ConocoPhillips

76 Broadway
Sacramento, CA 95818
phone 916.558.7676
fax 916.558.7639

April 27, 2005

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

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

Dear Mr. Hwang:

Please find attached TRC's *Quarterly Status Report, dated 4/29/05,* and TRC's *Quarterly Monitoring Report, dated 4/21/05* for the above referenced site. I declare, under penalty of perjury, that to the best of my knowledge the information and/or recommendations contained in the attached proposal or report are true and correct.

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

Sincerely,

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

Attachment
cc: Roger Batra, TRC

TRC

Customer-Focused Solutions

April 29, 2005

TRC Project No. 42013704

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

RE: Quarterly Status Report - First Quarter 2005
76 Service Station #5325, 3220 Lakeshore Avenue, Oakland, California
Alameda County

Dear Mr. Hwang:

On behalf of ConocoPhillips Company (ConocoPhillips), TRC is submitting the First Quarter 2005 Quarterly Status Report for the subject site, shown on the attached Figures 3 through 5.

PREVIOUS ASSESSMENTS

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

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

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

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

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

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

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

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

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

SENSITIVE RECEPTORS

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

MONITORING AND SAMPLING

Currently, five onsite and one offsite wells are monitored quarterly. 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 three of six wells sampled, with a maximum concentration of 37,000 micrograms per liter (µg/l) in onsite monitoring well U-1.

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 wells sampled, with a maximum concentration of 7,000 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

March 28, 2005: 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 after approval is received from Alameda County Environmental Health Services (ACEHS). The Work Plan was submitted to ACEHS 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

Roger Batra
Senior Project Manager

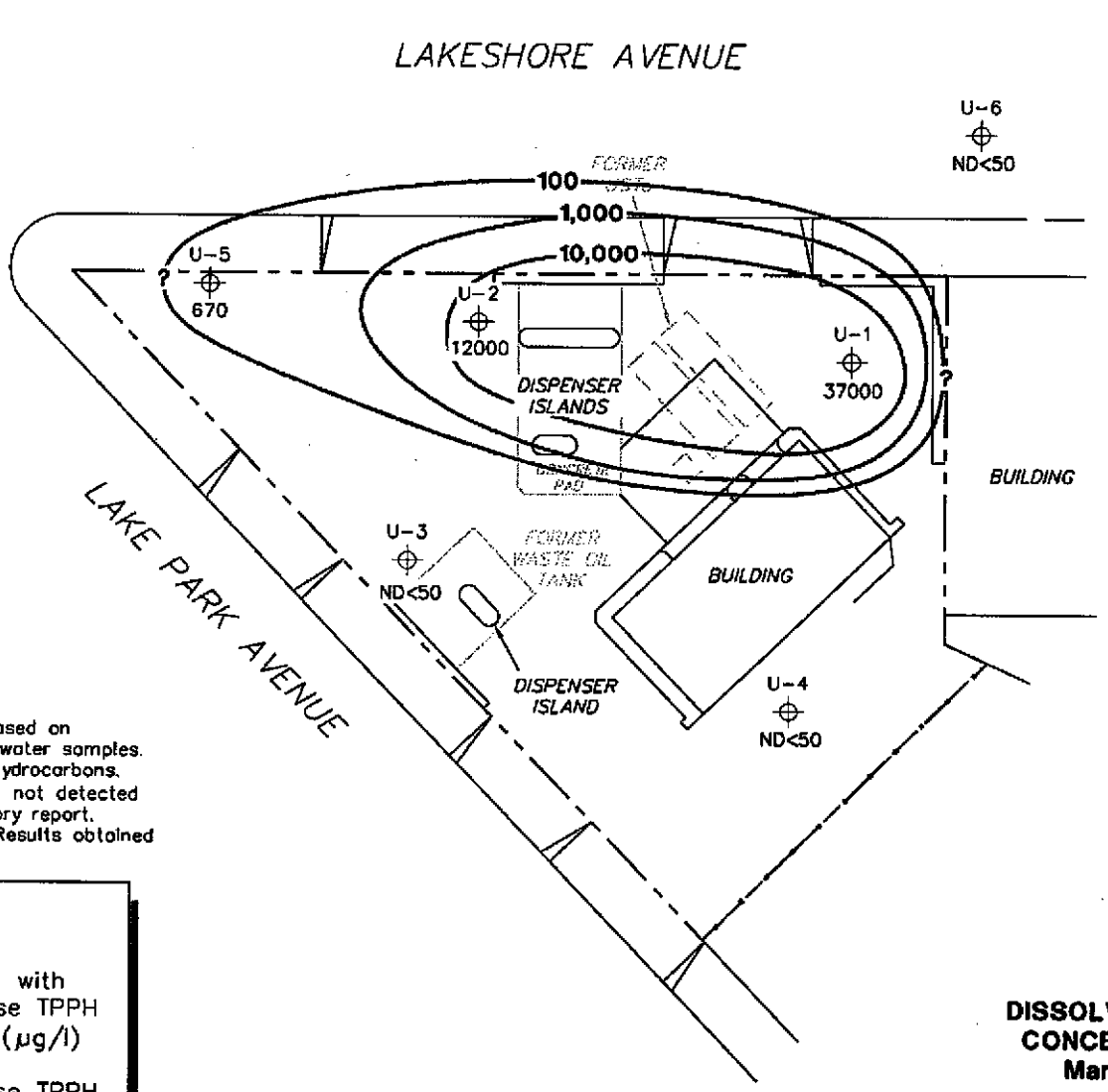
Attachments:

Figure 3 – Dissolved-Phase TPPH Concentration Map, March 28, 2005, from Quarterly Monitoring Report, January through March 2005, dated April 21, 2005 by TRC.

Figure 4 – Dissolved-Phase Benzene Concentration Map, March 28, 2005, from Quarterly Monitoring Report, January through March 2005, dated April 21, 2005 by TRC.

Figure 5 – Dissolved-Phase MTBE Concentration Map, March 28, 2005, from Quarterly Monitoring Report, January through March 2005, dated April 21, 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. Results obtained using EPA Method 8260B.

LEGEND

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

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

TRC

SCALE (FEET)

0 40

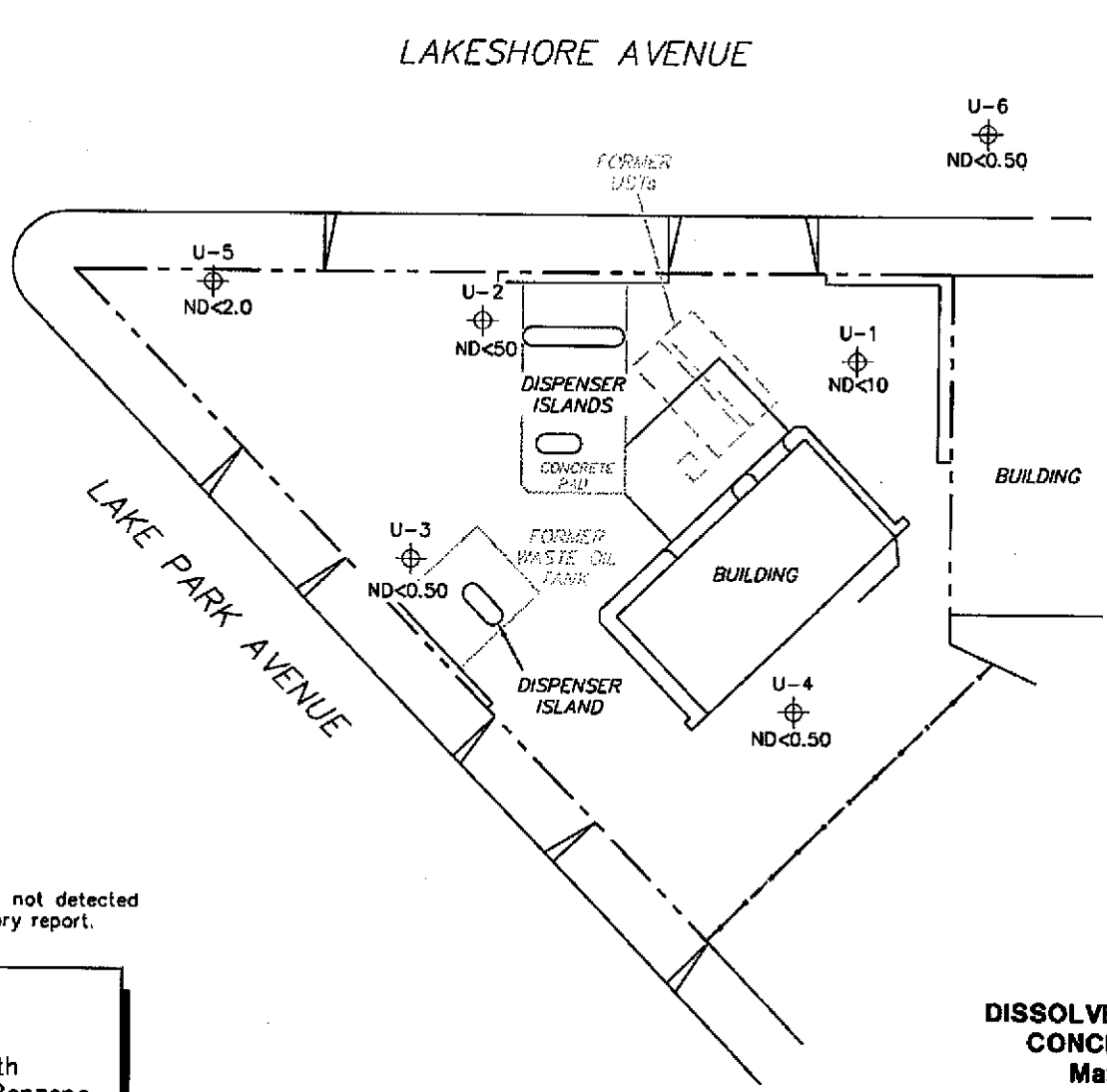
DISSOLVED-PHASE TPPH CONCENTRATION MAP
March 28, 2005

76 Station 5325
3220 Lakeshore Avenue
Oakland, California

FIGURE 3

PS=1:1 5325-003

L:\Graphics\ProjectsByNumber\20-xxxx\20-0400(UnocalQMS)\x-5000\5325+\5325QMS.DWG Apr 19, 2005 - 1:23pm mesten



NOTES:

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

LEGEND

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

SCALE (FEET)

0 40

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
March 28, 2005

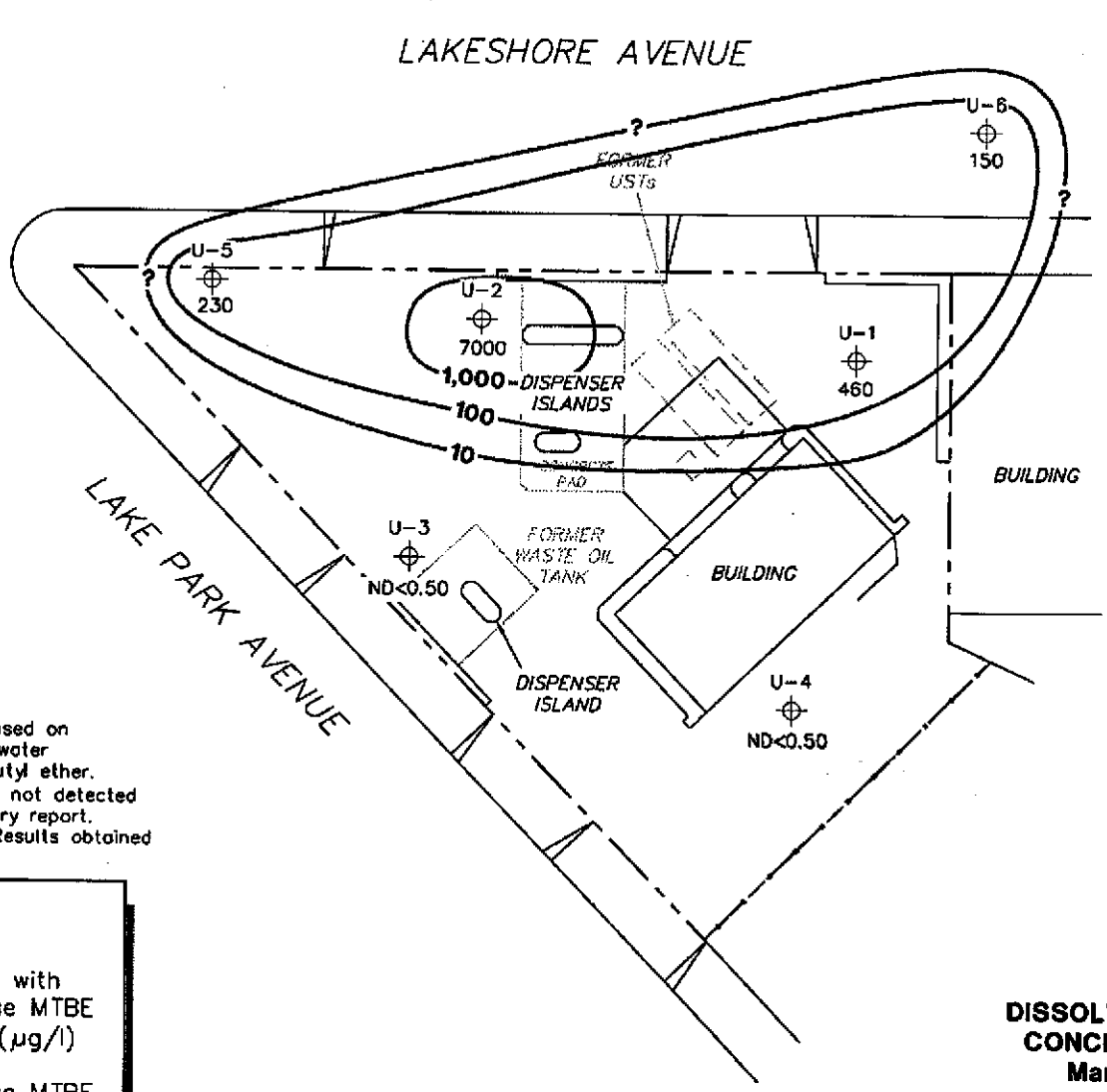
76 Station 5325
3220 Lakeshore Avenue
Oakland, California

FIGURE 4

TRC

PS=1:1 5325-003

L:\Graphics\ProjectsByNumber\20-xxxx\20-0400(UnocalOMS)\x-5000\5325+\5325OMS.DWG Apr 19, 2005 - 1:23pm mesten



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)

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

TRC

SCALE (FEET)

0 40

DISSOLVED-PHASE MTBE CONCENTRATION MAP
March 28, 2005

76 Station 5325
3220 Lakeshore Avenue
Oakland, California

FIGURE 5

PS=1:1 5325-003

L:\Graphics\ProjectsByNumber\20-xxxx\20-0400(UnocalQMS)\x-5000\5325+\5325QMS.DWG Apr 19, 2005 - 1:26pm mesten

TRC

Customer-Focused Solutions

April 21, 2005

ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

ATTN: MR. THOMAS H. KOSEL

SITE: 76 STATION 5325
3220 LAKESHORE AVENUE
OAKLAND, CALIFORNIA

RE: QUARTERLY MONITORING REPORT
JANUARY THROUGH MARCH 2005

Dear Mr. Kosel:

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

Sincerely,

TRC

Anju Farfan
QMS Operations Manager

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

Enclosures
20-0400/5325R06.QMS

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

TRC

Customer-Focused Solutions

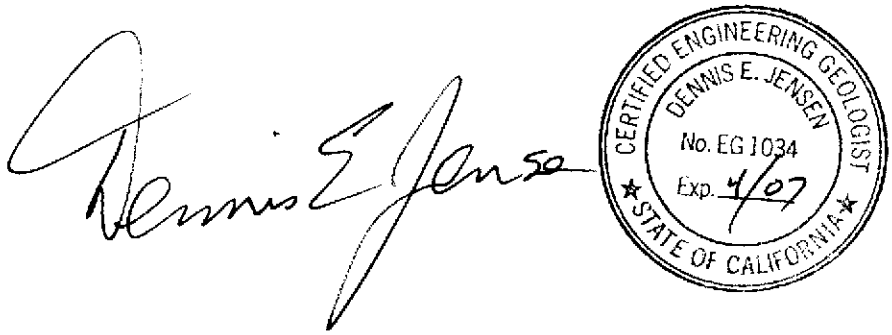
QUARTERLY MONITORING REPORT
JANUARY THROUGH MARCH 2005

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
April 20, 2005

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

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

Summary of Gauging and Sampling Activities
January 2005 through March 2005
76 Station 5325
3220 Lakeshore Avenue
Oakland, CA

Project Coordinator: **Thomas H. Kosel**
Telephone: **916-558-7666**
Water Sampling Contractor: ***TRC***
Compiled by: **Valentina Tobon**
Date(s) of Gauging/Sampling Event: **03/28/05**

Sample Points

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

Liquid Phase Hydrocarbons (LPH)

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

Hydrogeologic Parameters

Depth to groundwater (below TOC): Minimum: **6.24 feet** Maximum: **9.8 feet**
Average groundwater elevation (relative to available local datum): **1.26 feet**
Average change in groundwater elevation since previous event: **1.08 feet**
Interpreted groundwater gradient and flow direction:
Current event: **0.03 ft/ft, northwest**
Previous event: **0.03 ft/ft, northwest (12/20/04)**

Selected Laboratory Results

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

Wells with **TPPH 8260B**	**3**	Maximum: **37,000 µg/l (U-1)**
Wells with **MTBE**	**4**	Maximum: **7,000 µg/l (U-2)**

Notes:

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

TABLE KEY

STANDARD ABREVIATIONS

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

ANALYTES

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

NOTES

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

REFERENCE

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

Table 1

CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

March 28, 2005

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)**												
03/28/05	8.46	8.10	0.00	0.36	0.90	--	37000	ND<10	ND<10	1500	5300	--	460	
U-2		**(Screen Interval in feet: 5.0-20.0)**												
03/28/05	7.62	6.24	0.00	1.38	1.49	--	12000	ND<50	ND<50	160	120	--	7000	
U-3		**(Screen Interval in feet: 5.0-20.0)**												
03/28/05	10.98	9.80	0.00	1.18	0.99	--	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)**												
03/28/05	11.15	6.35	0.00	4.80	1.93	--	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)**												
03/28/05	6.98	7.22	0.00	-0.24	0.29	--	670	ND<2.0	ND<2.0	ND<2.0	ND<4.0	--	230	
U-6		**(Screen Interval in feet: 5.0-24.0)**												
03/28/05	7.14	7.07	0.00	0.07	0.89	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	150	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 1990 Through March 2005

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)**													
08/10/90	--	--	--	--	--	690	--	38	75	8.6	130	--	--	
01/07/91	--	--	--	--	--	250	--	22	16	4.2	17	--	--	
04/01/91	--	--	--	--	--	160	--	13	8.6	1.0	15	--	--	
07/03/91	--	--	--	--	--	140	--	21	4.3	0.36	17	--	--	
10/09/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
02/12/92	--	--	--	--	--	250	--	ND	ND	ND	ND	--	--	
05/05/92	--	--	--	--	--	230	--	1.2	ND	ND	ND	--	--	
06/11/92	--	--	--	--	--	1000	--	80	1.4	6.7	41	--	--	
08/20/92	--	--	--	--	--	400	--	1.0	ND	ND	0.6	--	--	
02/22/93	--	--	--	--	--	34000	--	1400	5500	910	7300	--	--	
05/07/93	--	--	--	--	--	8700	--	600	240	650	3300	--	--	
08/08/93	--	--	--	--	--	4900	--	79	ND	832	270	--	--	
11/16/93	5.32	8.61	0.00	-3.29	--	690	--	ND	ND	ND	ND	--	--	
02/16/94	5.32	8.54	0.00	-3.22	0.07	6800	--	ND	ND	ND	ND	--	--	
06/22/94	8.46	8.39	0.00	0.07	3.29	200	--	ND	ND	5.9	21	--	--	
09/22/94	8.46	8.66	0.00	-0.20	-0.27	6100	--	ND	ND	ND	ND	--	--	
12/24/94	8.46	8.04	0.00	0.42	0.62	50000	--	2500	9700	2400	17000	--	--	
03/25/95	8.46	7.72	0.37	1.02	0.60	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
06/21/95	8.46	9.30	0.20	-0.69	-1.71	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
09/19/95	8.46	9.29	0.40	-0.53	0.16	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
12/19/95	8.46	8.98	0.03	-0.50	0.03	--	--	--	--	--	--	--	--	Not sampled due to LPH in well

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 1990 Through March 2005

76 Station 5325

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
U-1 continued														
03/18/96	8.46	8.25	0.00	0.21	0.71	27000	--	ND	2300	1400	11000	4900	--	
06/27/96	8.46	7.92	0.00	0.54	0.33	120000	--	540	4300	2600	26000	ND	--	
09/26/96	8.46	9.10	0.02	-0.63	-1.17	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
12/09/96	8.46	6.88	0.03	1.60	2.23	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
03/14/97	8.46	9.02	0.55	-0.15	-1.75	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
06/30/97	8.46	8.41	0.02	0.07	0.21	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
09/19/97	8.46	8.56	0.02	-0.09	-0.15	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
12/12/97	8.46	8.58	0.01	-0.11	-0.03	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
03/03/98	8.46	8.23	0.04	0.26	0.37	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
06/15/98	8.46	8.37	0.00	0.09	-0.17	52000	--	ND	900	1800	13000	ND	--	Sheen
09/30/98	8.46	8.94	0.00	-0.48	-0.57	1000000	--	ND	2600	13000	83000	4800	--	Sheen
12/28/98	8.46	8.57	0.00	-0.11	0.37	1100000	--	ND	1600	8600	71000	5700	--	
03/22/99	8.46	8.18	0.00	0.28	0.39	130000	--	470	1100	2000	28000	5700	--	Sheen
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	--	89.3	ND	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	ND	1200	7200	15000	20000	
09/27/00	8.46	9.29	0.00	-0.83	0.16	15000	--	92	ND	540	2800	74000	83000	
12/12/00	8.46	9.37	0.00	-0.91	-0.08	50000	--	ND	ND	250	1900	12000	15000	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
August 1990 Through March 2005
76 Station 5325

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
U-1 continued														
03/07/01	8.46	8.45	0.00	0.01	0.92	6220	--	29.8	10.4	96.3	638	11200	11800	
06/06/01	8.46	9.29	0.00	-0.83	-0.84	5200	--	17	ND	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	ND<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	
06/07/04	8.46	10.35	0.00	-1.89	-1.97	--	13000	ND<100	ND<100	ND<100	ND<200	--	12000	
09/09/04	8.46	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
12/20/04	8.46	9.00	0.00	-0.54	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	8.2	
03/28/05	8.46	8.10	0.00	0.36	0.90	--	37000	ND<10	ND<10	1500	5300	--	460	
U-2 (Screen Interval in feet: 5.0-20.0)														
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	3.1	290	--	--	
10/09/91	--	--	--	--	--	230	--	7.1	ND	ND	11	--	--	
02/12/92	--	--	--	--	--	410	--	1.9	ND	0.36	0.4	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
August 1990 Through March 2005
76 Station 5325

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
U-2 continued														
05/05/92	--	--	--	--	--	1600	--	120	52	6.2	290	--	--	
06/11/92	--	--	--	--	--	620	--	17	2.1	ND	37	--	--	
08/20/92	--	--	--	--	--	700	--	28	6.5	1.3	4.6	--	--	
02/22/93	--	--	--	--	--	3400	--	2400	2100	1200	5800	--	--	
05/07/93	--	--	--	--	--	17000	--	1800	660	1700	4000	--	--	
08/08/93	--	--	--	--	--	5600	--	420	ND	410	670	--	--	
11/16/93	4.53	8.17	0.00	-3.64	--	510	--	ND	ND	ND	ND	--	--	
02/16/94	4.53	7.73	0.00	-3.20	0.44	980	--	49	13	2.7	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	ND	ND	ND	--	--	
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	ND	1800	1700	--	--	
09/19/95	7.62	7.70	0.00	-0.08	-0.72	3000	--	610	ND	78	240	--	--	
12/19/95	7.62	7.30	0.00	0.32	0.40	1600	--	140	55	52	270	--	--	
03/18/96	7.62	6.45	0.00	1.17	0.85	12000	--	2200	ND	1200	2200	22000	--	
06/27/96	7.62	7.41	0.00	0.21	-0.96	28000	--	3400	ND	2800	3100	3000	--	
09/26/96	7.62	7.90	0.00	-0.28	-0.49	5900	--	750	ND	ND	ND	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	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
06/30/97	7.62	6.19	0.00	1.43	0.91	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
09/19/97	7.62	7.31	0.00	0.31	-1.12	--	--	--	--	--	--	--	--	Not sampled due to LPH in well

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
August 1990 Through March 2005
76 Station 5325

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
U-2 continued														
12/12/97	7.62	6.75	0.00	0.87	0.56	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
03/03/98	7.62	6.36	0.00	1.26	0.39	80000	--	3000	1100	820	16000	16000	--	Sheen
06/15/98	7.62	6.51	0.00	1.11	-0.15	48000	--	1800	330	470	7900	20000	--	Sheen
09/30/98	7.62	7.17	0.00	0.45	-0.66	60000	--	1300	ND	500	9700	19000	--	Sheen
12/28/98	7.62	7.06	0.00	0.56	0.11	63000	--	590	160	320	5600	16000	--	
03/22/99	7.62	6.82	0.00	0.80	0.24	28000	--	1100	ND	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	--	17.2	ND	ND	157	14900	15600	
03/13/00	7.62	6.69	0.00	0.93	1.62	11000	--	380	160	ND	2100	22000	26000	
06/21/00	7.62	7.67	0.00	-0.05	-0.98	9100	--	22	ND	ND	800	16000	22000	
09/27/00	7.62	7.44	0.00	0.18	0.23	2900	--	43	ND	ND	39	20000	26000	
12/12/00	7.62	7.51	0.00	0.11	-0.07	3600	--	17	ND	ND	87	8000	7800	
03/07/01	7.62	7.15	0.00	0.47	0.36	1670	--	51.0	ND	7.20	19.5	5930	7900	
06/06/01	7.62	7.57	0.00	0.05	-0.42	1100	--	14	ND	9.3	35	9200	10000	
09/24/01	7.62	7.63	0.00	-0.01	-0.06	1000	--	25	ND<2.5	12	100	9800	11000	
12/10/01	7.62	6.78	0.00	0.84	0.85	83	--	14	0.55	3.4	6.8	2500	2500	
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	--	
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	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 1990 Through March 2005

76 Station 5325

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
U-2 continued														
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	
06/07/04	7.62	7.75	0.00	-0.13	-0.68	--	14000	ND<100	ND<100	ND<100	ND<200	--	13000	
09/09/04	7.62	8.65	0.00	-1.03	-0.90	--	ND<10000	ND<100	ND<100	ND<100	ND<200	--	9500	
12/20/04	7.62	7.73	0.00	-0.11	0.92	--	ND<5000	ND<50	ND<50	ND<50	ND<100	--	11000	
03/28/05	7.62	6.24	0.00	1.38	1.49	--	12000	ND<50	ND<50	160	120	--	7000	
U-3	**(Screen Interval in feet: 5.0-20.0)**													
08/10/90	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
01/07/91	--	--	--	--	--	ND	--	ND	ND	ND	1.8	--	--	
04/01/91	--	--	--	--	--	ND	--	1.0	2.9	0.53	5.4	--	--	
07/03/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
10/09/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
02/12/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
05/05/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
06/11/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
08/20/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
02/22/93	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
05/07/93	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
08/08/93	--	--	--	--	--	210	--	5.0	9.7	0.7	4.1	--	--	
11/16/93	7.86	11.82	0.00	-3.96	--	ND	--	ND	ND	ND	ND	--	--	
02/16/94	7.86	11.62	0.00	-3.76	0.20	ND	--	ND	ND	ND	ND	--	--	
06/22/94	10.98	11.64	0.00	-0.66	3.10	ND	--	ND	ND	ND	ND	--	--	
09/22/94	10.98	11.76	0.00	-0.78	-0.12	ND	--	ND	ND	ND	ND	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
August 1990 Through March 2005
76 Station 5325

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
U-3 continued														
12/24/94	10.98	11.28	0.00	-0.30	0.48	ND	--	ND	ND	ND	ND	--	--	
03/25/95	10.98	10.96	0.00	0.02	0.32	ND	--	ND	ND	ND	ND	--	--	
06/21/95	10.98	11.37	0.00	-0.39	-0.41	ND	--	ND	ND	ND	ND	--	--	
09/19/95	10.98	11.55	0.00	-0.57	-0.18	ND	--	ND	ND	ND	ND	--	--	
12/19/95	10.98	11.45	0.00	-0.47	0.10	ND	--	ND	ND	ND	ND	--	--	
03/18/96	10.98	11.10	0.00	-0.12	0.35	ND	--	ND	ND	ND	ND	--	--	
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	ND	--	ND	ND	ND	ND	ND	--	
12/09/96	10.98	10.12	0.00	0.86	1.43	ND	--	ND	ND	ND	ND	29	--	
03/14/97	10.98	10.87	0.00	0.11	-0.75	ND	--	ND	ND	ND	ND	ND	--	
06/30/97	10.98	11.08	0.00	-0.10	-0.21	ND	--	ND	ND	ND	ND	ND	--	
09/19/97	10.98	11.05	0.00	-0.07	0.03	ND	--	ND	ND	ND	ND	ND	--	
12/12/97	10.98	10.58	0.00	0.40	0.47	ND	--	ND	ND	ND	ND	ND	--	
03/03/98	10.98	9.84	0.00	1.14	0.74	ND	--	ND	ND	ND	ND	ND	--	
06/15/98	10.98	10.56	0.00	0.42	-0.72	ND	--	ND	ND	ND	ND	ND	--	
09/30/98	10.98	11.12	0.00	-0.14	-0.56	ND	--	ND	ND	ND	ND	ND	--	
12/28/98	10.98	10.96	0.00	0.02	0.16	ND	--	ND	ND	ND	ND	ND	--	
03/22/99	10.98	9.46	0.00	1.52	1.50	ND	--	ND	ND	ND	ND	ND	--	
06/09/99	10.98	11.01	0.00	-0.03	-1.55	ND	--	ND	ND	ND	ND	ND	--	
09/08/99	10.98	11.31	0.00	-0.33	-0.30	ND	--	ND	ND	ND	ND	ND	--	
12/07/99	10.98	11.26	0.00	-0.28	0.05	ND	--	ND	ND	ND	ND	ND	--	
03/13/00	10.98	8.28	0.00	2.70	2.98	ND	--	ND	ND	ND	ND	ND	--	
06/21/00	10.98	11.12	0.00	-0.14	-2.84	ND	--	ND	ND	ND	ND	ND	--	
09/27/00	10.98	11.07	0.00	-0.09	0.05	ND	--	ND	ND	ND	ND	ND	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
August 1990 Through March 2005
76 Station 5325

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
U-3 continued														
12/12/00	10.98	10.94	0.00	0.04	0.13	ND	--	ND	ND	ND	ND	ND	--	
03/07/01	10.98	8.32	0.00	2.66	2.62	ND	--	ND	ND	ND	ND	ND	--	
06/06/01	10.98	10.94	0.00	0.04	-2.62	ND	--	ND	ND	ND	ND	ND	--	
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<2.5	--	
12/10/01	10.98	8.16	0.00	2.82	2.87	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
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<2.5	--	
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<2.5	--	
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	
06/07/04	10.98	11.00	0.00	-0.02	-0.36	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/09/04	10.98	11.31	0.00	-0.33	-0.31	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/20/04	10.98	10.79	0.00	0.19	0.52	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/28/05	10.98	9.80	0.00	1.18	0.99	--	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	--	ND	--	ND	ND	ND	ND	--	--	
09/22/94	11.15	10.79	0.00	0.36	-0.63	ND	--	0.78	1.3	ND	1.4	--	--	
12/24/94	11.15	9.81	0.00	1.34	0.98	ND	--	ND	ND	ND	ND	--	--	
03/25/95	11.15	9.51	0.00	1.64	0.30	ND	--	ND	ND	ND	ND	--	--	
06/21/95	11.15	9.54	0.00	1.61	-0.03	ND	--	ND	ND	ND	ND	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 1990 Through March 2005

76 Station 5325

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
U-4 continued														
09/19/95	11.15	10.17	0.00	0.98	-0.63	ND	--	ND	ND	ND	ND	--	--	
12/19/95	11.15	9.98	0.00	1.17	0.19	ND	--	ND	ND	ND	ND	--	--	
03/18/96	11.15	9.66	0.00	1.49	0.32	ND	--	ND	ND	ND	ND	--	--	
06/27/96	11.15	9.74	0.00	1.41	-0.08	ND	--	ND	ND	ND	ND	ND	--	
09/26/96	11.15	10.14	0.00	1.01	-0.40	ND	--	ND	ND	ND	ND	ND	--	
12/09/96	11.15	8.67	0.00	2.48	1.47	ND	--	ND	ND	ND	ND	33	--	
03/14/97	11.15	9.35	0.00	1.80	-0.68	ND	--	ND	ND	ND	ND	ND	--	
06/30/97	11.15	9.89	0.00	1.26	-0.54	ND	--	ND	ND	ND	ND	ND	--	
09/19/97	11.15	9.96	0.00	1.19	-0.07	ND	--	ND	ND	ND	ND	ND	--	
12/12/97	11.15	8.56	0.00	2.59	1.40	ND	--	ND	ND	ND	ND	ND	--	
03/03/98	11.15	7.85	0.00	3.30	0.71	ND	--	ND	ND	ND	ND	ND	--	
06/15/98	11.15	9.08	0.00	2.07	-1.23	ND	--	ND	ND	ND	ND	ND	--	
09/30/98	11.15	9.75	0.00	1.40	-0.67	ND	--	ND	ND	ND	ND	ND	--	
12/28/98	11.15	9.59	0.00	1.56	0.16	ND	--	ND	ND	ND	ND	ND	--	
03/22/99	11.15	8.34	0.00	2.81	1.25	ND	--	ND	ND	ND	ND	ND	--	
06/09/99	11.15	9.39	0.00	1.76	-1.05	ND	--	ND	ND	ND	ND	ND	--	
09/08/99	11.15	9.90	0.00	1.25	-0.51	ND	--	ND	ND	ND	ND	ND	--	
12/07/99	11.15	10.05	0.00	1.10	-0.15	ND	--	ND	ND	ND	ND	ND	--	
03/13/00	11.15	7.24	0.00	3.91	2.81	ND	--	ND	ND	ND	ND	ND	--	
06/21/00	11.15	9.48	0.00	1.67	-2.24	ND	--	ND	ND	ND	ND	ND	--	
09/27/00	11.15	9.42	0.00	1.73	0.06	ND	--	ND	ND	ND	ND	ND	--	
12/12/00	11.15	9.50	0.00	1.65	-0.08	ND	--	ND	ND	ND	ND	ND	--	
03/07/01	11.15	6.88	0.00	4.27	2.62	ND	--	ND	ND	ND	ND	ND	--	
06/06/01	11.15	9.18	0.00	1.97	-2.30	ND	--	ND	ND	ND	ND	ND	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
August 1990 Through March 2005
76 Station 5325

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
U-4 continued														
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<2.5	--	
12/10/01	11.15	7.32	0.00	3.83	1.89	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
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<2.5	--	
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<2.5	--	
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	
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	
06/07/04	11.15	8.93	0.00	2.22	-1.46	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/09/04	11.15	9.83	0.00	1.32	-0.90	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/20/04	11.15	8.28	0.00	2.87	1.55	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/28/05	11.15	6.35	0.00	4.80	1.93	--	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	--	7.1	13	4.5	26	--	--	
09/22/94	6.98	6.90	0.00	0.08	-0.07	170	--	8.4	10	8.5	18	--	--	
12/24/94	6.98	6.43	0.00	0.55	0.47	8700	--	560	70	670	430	--	--	
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	ND	9.1	3.5	--	--	
09/19/95	6.98	6.99	0.00	-0.01	0.12	850	--	14	7.1	13	66	--	--	
12/19/95	6.98	7.17	0.00	-0.19	-0.18	ND	--	ND	ND	ND	ND	--	--	
03/18/96	6.98	6.65	0.00	0.33	0.52	100	--	0.67	0.5	0.51	5.4	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
August 1990 Through March 2005
76 Station 5325

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
U-5 continued														
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	ND	--	ND	0.57	ND	0.96	ND	--	
12/09/96	6.98	5.90	0.00	1.08	1.23	1300	--	29	46	ND	140	97	--	
03/14/97	6.98	6.99	0.00	-0.01	-1.09	ND	--	ND	ND	ND	ND	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	--	1.3	ND	1.6	2.1	47	--	
03/03/98	6.98	6.50	0.00	0.48	0.44	1700	--	29	ND	150	190	330	--	
06/15/98	6.98	6.85	0.00	0.13	-0.35	1500	--	32	ND	91	83	330	--	
09/30/98	6.98	7.31	0.00	-0.33	-0.46	1700	--	44	ND	39	150	60	--	
12/28/98	6.98	7.25	0.00	-0.27	0.06	1400	--	59	ND	13	27	150	--	
03/22/99	6.98	6.86	0.00	0.12	0.39	780	--	8.9	ND	0.76	4.5	350	--	
06/09/99	6.98	7.28	0.00	-0.30	-0.42	1000	--	ND	ND	10	35	280	350	
09/08/99	6.98	7.52	0.00	-0.54	-0.24	2620	--	26.2	ND	32.2	157	280	239	
12/07/99	6.98	7.67	0.00	-0.69	-0.15	949	--	9.26	ND	11.2	22.7	235	301	
03/13/00	6.98	6.73	0.00	0.25	0.94	880	--	12	1.0	5.6	8.7	46	37	
06/21/00	6.98	7.39	0.00	-0.41	-0.66	700	--	4.0	ND	0.99	4.0	120	140	
09/27/00	6.98	7.45	0.00	-0.47	-0.06	400	--	1.9	ND	ND	1.5	160	250	
12/12/00	6.98	7.68	0.00	-0.70	-0.23	770	--	3.2	ND	ND	ND	27	13	
03/07/01	6.98	6.83	0.00	0.15	0.85	623	--	5.15	ND	ND	0.669	35.7	43.4	
06/06/01	6.98	7.42	0.00	-0.44	-0.59	110	--	ND	ND	ND	ND	ND	--	
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<2.5	--	
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	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
August 1990 Through March 2005
76 Station 5325

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
U-5 continued														
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	5.7	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	
06/07/04	6.98	8.53	0.00	-1.55	-1.65	--	250	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	160	
09/09/04	6.98	12.28	0.00	-5.30	-3.75	--	340	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	260	
12/20/04	6.98	7.51	0.00	-0.53	4.77	--	130	ND<0.50	ND<0.50	1.9	2.0	--	120	
03/28/05	6.98	7.22	0.00	-0.24	0.29	--	670	ND<2.0	ND<2.0	ND<2.0	ND<4.0	--	230	
U-6	**(Screen Interval in feet: 5.0-24.0)**													
06/22/94	7.14	7.14	0.00	0.00	--	ND	--	ND	ND	ND	ND	--	--	
09/22/94	7.14	7.34	0.00	-0.20	-0.20	130	--	1.3	0.8	ND	0.73	--	--	
12/24/94	7.14	6.67	0.00	0.47	0.67	6900	--	500	59	600	380	--	--	
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	ND	--	ND	ND	ND	ND	--	--	
09/19/95	7.14	7.70	0.00	-0.56	-0.10	ND	--	ND	ND	ND	ND	--	--	
12/19/95	7.14	7.75	0.00	-0.61	-0.05	210	--	2.5	1.0	2.9	17	--	--	
03/18/96	7.14	6.86	0.00	0.28	0.89	ND	--	ND	ND	ND	ND	--	--	
06/27/96	7.14	6.52	0.00	0.62	0.34	ND	--	ND	ND	ND	ND	510	--	
09/26/96	7.14	7.62	0.00	-0.48	-1.10	ND	--	ND	ND	ND	ND	1400	--	
12/09/96	7.14	5.88	0.00	1.26	1.74	1200	--	29	48	6.4	140	58	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
August 1990 Through March 2005
76 Station 5325

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
U-6 continued														
03/14/97	7.14	7.30	0.00	-0.16	-1.42	ND	--	ND	ND	ND	ND	1500	--	
06/30/97	7.14	7.35	0.00	-0.21	-0.05	ND	--	ND	ND	ND	ND	990	--	
09/19/97	7.14	7.25	0.00	-0.11	0.10	ND	--	ND	ND	ND	ND	1400	--	
12/12/97	7.14	7.29	0.00	-0.15	-0.04	ND	--	ND	ND	ND	ND	680	--	
03/03/98	7.14	7.00	0.00	0.14	0.29	ND	--	ND	ND	ND	ND	1600	--	
06/15/98	7.14	7.18	0.00	-0.04	-0.18	ND	--	ND	ND	ND	ND	1000	--	
09/30/98	7.14	7.90	0.00	-0.76	-0.72	ND	--	ND	ND	ND	ND	1200	--	
12/28/98	7.14	7.79	0.00	-0.65	0.11	ND	--	ND	ND	ND	ND	730	--	
03/22/99	7.14	7.47	0.00	-0.33	0.32	ND	--	ND	ND	ND	ND	1800	--	
06/09/99	7.14	7.73	0.00	-0.59	-0.26	ND	--	ND	ND	ND	ND	1000	850	
09/08/99	7.14	7.95	0.00	-0.81	-0.22	ND	--	ND	ND	ND	ND	851	1040	
12/07/99	7.14	8.10	0.00	-0.96	-0.15	ND	--	ND	ND	ND	ND	1140	1150	
03/13/00	7.14	6.95	0.00	0.19	1.15	ND	--	ND	ND	ND	ND	560	670	
06/21/00	7.14	7.84	0.00	-0.70	-0.89	ND	--	ND	ND	ND	ND	400	590	
09/27/00	7.14	7.68	0.00	-0.54	0.16	ND	--	ND	ND	ND	ND	2500	2800	
12/12/00	7.14	7.74	0.00	-0.60	-0.06	ND	--	ND	ND	ND	ND	590	580	
03/07/01	7.14	7.27	0.00	-0.13	0.47	ND	--	ND	ND	ND	ND	310	321	
06/06/01	7.14	7.80	0.00	-0.66	-0.53	ND	--	ND	ND	ND	ND	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	--	
09/03/02	7.14	7.72	0.00	-0.58	-0.54	420	--	ND<2.5	ND<2.5	ND<2.5	4.7	860	1200	
12/03/02	7.14	6.92	0.00	0.22	0.80	--	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<10	--	870	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
August 1990 Through March 2005
76 Station 5325

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
U-6 continued														
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	
06/07/04	7.14	9.35	0.00	-2.21	-2.03	--	1700	ND<10	ND<10	ND<10	ND<20	--	1800	
09/09/04	7.14	12.81	0.00	-5.67	-3.46	--	ND<1000	ND<10	ND<10	ND<10	ND<20	--	1400	
12/20/04	7.14	7.96	0.00	-0.82	4.85	--	320	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	65	
03/28/05	7.14	7.07	0.00	0.07	0.89	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	150	

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 5325

Date Sampled	EDC	EDB	Pre-Purge DO	Post Purge DO	NO3	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Fe+2	ORP	Acenaph-thylene	ortho-Phosphate	Phosphate	Ethanol 8260B
	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mV)	(µg/l)	(mg/l)	(mg/l)	(µg/l)
U-1															
06/15/98	--	--	--	--	ND	--	--	--	--	39	382	--	--	ND	--
09/30/98	--	--	--	--	ND	--	--	--	--	17	366	--	--	ND	--
12/28/98	--	--	--	--	6.30	--	--	--	--	4.30	298	--	--	28	--
03/22/99	--	--	--	--	ND	--	--	--	--	4.90	320	--	--	3.5	--
06/09/99	--	--	--	--	ND	--	--	--	--	1.2	260	--	--	ND	--
09/08/99	--	--	--	--	ND	--	--	--	--	1.80	85	--	--	ND	--
12/07/99	--	--	1.36	--	ND	--	--	--	--	5.70	404	--	--	17.0	--
03/13/00	--	--	--	--	0.18	--	--	--	--	8.0	262	--	--	ND	--
06/21/00	--	--	1.53	--	ND	--	--	--	--	9.3	148	--	--	ND	--
09/27/00	--	ND	1.63	--	ND	ND	ND	ND	ND	2.8	119	--	--	18.4	--
12/12/00	--	--	1.48	--	ND	--	--	--	--	0.49	131	--	--	16.0	--
03/07/01	--	ND	1.91	--	2.64	ND	ND	ND	ND	0.483	125	--	--	6.89	--
06/06/01	--	ND	1.77	--	ND	ND	ND	ND	ND	1.0	141	--	--	2.7	--
09/24/01	ND<1000	ND<1000	1.64	--	0.45	ND<1000	ND<20000	ND<1000	ND<1000	ND<0.10	125	--	--	--	ND<400000
12/10/01	ND<100	ND<100	1.82	--	ND<0.50	ND<100	ND<4000	ND<100	ND<100	14	141	--	--	2.2	ND<8000
03/11/02	ND<100	ND<100	2.21	--	ND<0.50	ND<100	ND<5000	ND<100	ND<100	15	132	--	--	0.11	ND<25000
06/04/02	--	--	1.88	--	ND<0.50	--	--	--	--	ND<0.50	117	--	--	ND<0.10	--
09/03/02	ND<200	ND<200	1.62	--	ND<0.50	ND<200	ND<10000	ND<200	ND<200	ND<0.50	94	--	--	ND<0.10	ND<50000
12/03/02	ND<200	ND<200	1.71	--	ND<1.0	ND<200	ND<10000	ND<200	ND<200	9.6	72	--	--	ND<1.0	ND<50000
03/04/03	ND<100	ND<100	0.30	--	ND<1.0	ND<100	ND<5000	ND<100	ND<100	36	-125	--	--	ND<1.0	ND<25000
06/18/03	ND<100	ND<100	--	1.7	ND<1.0	ND<100	ND<5000	ND<100	ND<100	16	-48	--	--	ND<1.0	ND<25000
09/24/03	ND<400	ND<400	0.40	--	ND<1.0	ND<400	ND<20000	ND<400	ND<400	15	-36	--	--	ND<1.0	ND<100000
12/02/03	--	--	--	--	--	--	--	--	--	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
06/07/04	ND<100	ND<100	--	--	ND<0.50	ND<100	3300	ND<200	ND<100	0.66	--	--	--	6.8	ND<10000
12/20/04	ND<0.50	ND<0.50	--	--	ND<1.0	ND<0.50	11	ND<1.0	ND<0.50	0.015	--	--	--	ND<1.0	ND<50

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 5325

Date Sampled	EDC	EDB	Pre-Purge DO	Post Purge DO	NO3	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Fe+2	ORP	Acenaph-thylene	ortho-Phosphate	Phosphate	Ethanol 8260B
	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mV)	(µg/l)	(mg/l)	(mg/l)	(µg/l)
U-1 continued															
03/28/05	--	--	--	--	ND<1.0	--	--	--	--	16	--	--	ND<1.0	--	ND<1000
U-2															
03/03/98	--	--	--	--	ND	--	--	--	--	25	369	--	--	ND	--
06/15/98	--	--	--	--	ND	--	--	--	--	42	341	--	--	ND	--
09/30/98	--	--	--	--	ND	--	--	--	--	25	354	--	--	ND	--
12/28/98	--	--	--	--	ND	--	--	--	--	28	276	--	--	ND	--
03/22/99	--	--	--	--	ND	--	--	--	--	0.68	320	--	--	2.3	--
06/09/99	--	--	--	--	ND	--	--	--	--	0.50	290	--	--	ND	--
09/08/99	--	--	--	--	ND	--	--	--	--	1.90	235	--	--	ND	--
12/07/99	--	--	2.28	--	ND	--	--	--	--	0.250	389	--	--	ND	--
03/13/00	--	--	--	--	0.31	--	--	--	--	4.3	184	--	--	ND	--
06/21/00	--	--	1.96	--	ND	--	--	--	--	0.26	136	--	--	ND	--
09/27/00	--	--	2.12	--	ND	--	--	--	--	0.64	142	--	--	10.5	--
12/12/00	--	--	2.35	--	ND	--	--	--	--	2.7	155	--	--	ND	--
03/07/01	ND	ND	2.21	--	2.24	ND	ND	ND	ND	0.677	148	--	--	3.02	ND
06/06/01	ND	ND	2.67	--	ND	ND	ND	ND	ND	0.80	163	--	--	2.8	ND
09/24/01	ND<1000	ND<1000	2.10	--	0.49	ND<1000	ND<20000	ND<1000	ND<1000	ND<0.10	151	--	--	--	ND<400000
12/10/01	ND<50	ND<50	2.81	--	ND<0.50	ND<50	ND<2000	ND<50	ND<50	ND<0.10	171	--	--	0.20	ND<4000
03/11/02	ND<200	ND<200	2.77	--	ND<0.50	ND<200	ND<10000	ND<200	ND<200	ND<0.10	156	--	--	0.65	ND<50000
06/04/02	--	--	3.14	--	ND<0.50	--	--	--	--	ND<0.10	144	--	--	ND<0.10	--
09/03/02	ND<1000	ND<1000	2.85	--	ND<0.50	ND<1000	ND<50000	ND<1000	ND<1000	ND<0.25	151	--	--	0.26	ND<250000
12/03/02	ND<200	ND<200	1.97	--	ND<1.0	ND<200	ND<10000	ND<200	ND<200	9.9	94	--	--	ND<1.0	ND<50000
03/04/03	ND<200	ND<200	0.40	--	ND<1.0	ND<200	ND<10000	ND<200	ND<200	8.6	-147	--	--	ND<1.0	ND<50000
06/18/03	ND<200	ND<200	--	3.2	ND<1.0	ND<200	ND<10000	ND<200	ND<200	5.5	-8	--	--	3.1	ND<50000
09/24/03	ND<400	ND<400	0.20	--	ND<1.0	ND<400	ND<20000	ND<400	ND<400	14	-10	--	--	ND<1.0	ND<100000
12/02/03	--	--	--	--	--	--	--	--	--	2.7	--	--	--	--	ND<100000

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 5325

Date Sampled	EDC	EDB	Pre-Purge DO	Post Purge DO	NO3	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Fe+2	ORP	Acenaph-thylene	ortho-Phosphate	Phosphate	Ethanol 8260B
	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mV)	(µg/l)	(mg/l)	(mg/l)	(µg/l)
U-2 continued															
03/30/04	ND<100	ND<100	--	--	ND<1.0	ND<100	2400	ND<200	ND<100	ND<0.20	--	--	--	2.9	ND<10000
06/07/04	ND<100	ND<100	--	--	ND<0.50	ND<100	2600	ND<200	ND<100	0.21	--	--	--	2.4	ND<10000
09/09/04	ND<100	ND<100	--	--	ND<1.0	ND<100	2700	ND<200	ND<100	0.93	--	--	--	5.9	ND<10000
12/20/04	ND<50	ND<50	--	--	ND<1.0	ND<50	3500	ND<100	ND<50	0.87	--	--	--	ND<1.0	ND<5000
03/28/05	ND<50	ND<50	--	--	ND<1.0	ND<0.50	830	ND<50	ND<50	4.0	--	--	ND<1.0	--	ND<5000
U-3															
06/30/97	--	--	4.10	--	21	--	--	--	--	1.4	190	--	--	0.86	--
09/19/97	--	--	4.20	--	19	--	--	--	--	0.57	75	--	--	ND	--
12/12/97	--	--	2.97	--	23	--	--	--	--	1.9	390	--	--	0.85	--
03/03/98	--	--	2.63	--	36	--	--	--	--	0.013	358	--	--	ND	--
06/15/98	--	--	2.93	--	33	--	--	--	--	0.16	318	--	--	ND	--
09/30/98	--	--	3.11	--	31	--	--	--	--	0.040	295	--	--	ND	--
12/28/98	--	--	3.59	--	29	--	--	--	--	ND	281	--	--	ND	--
03/22/99	--	--	4.02	--	30	--	--	--	--	0.015	310	--	--	0.14	--
06/09/99	--	--	3.70	--	26	--	--	--	--	ND	350	--	--	1.2	--
09/08/99	--	--	3.96	--	32.90	--	--	--	--	ND	417	--	--	ND	--
12/07/99	--	--	4.21	--	27.90	--	--	--	--	0.0520	437	--	--	ND	--
03/13/00	--	--	--	--	33	--	--	--	--	0.15	307	--	--	ND	--
06/21/00	--	--	4.27	--	32	--	--	--	--	0.20	225	--	--	ND	--
09/27/00	--	--	4.67	--	34	--	--	--	--	ND	211	307	--	15.7	--
12/12/00	--	--	4.79	--	31	--	--	--	--	ND	246	--	--	ND	--
03/07/01	--	--	5.16	--	36.5	--	--	--	--	ND	251	--	--	0.443	--
06/06/01	--	--	4.79	--	8.0	--	--	--	--	ND	214	--	--	0.18	--
09/24/01	--	--	4.27	--	23.0	--	--	--	--	ND<0.10	198	--	--	ND	--
12/10/01	--	--	4.66	--	21	--	--	--	--	ND<0.10	188	--	--	0.11	--
03/11/02	--	--	5.06	--	30	--	--	--	--	ND<0.10	166	--	--	0.14	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 5325

Date Sampled	EDC	EDB	Pre-Purge DO	Post Purge DO	NO3	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Fe+2	ORP	Acenaph-thylene	ortho-Phosphate	Phosphate	Ethanol 8260B
	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mV)	(µg/l)	(mg/l)	(mg/l)	(µg/l)
U-3 continued															
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	--	--	--	3.5	17	--	--	--	--	ND<0.20	333	--	--	ND<1.0	--
09/24/03	--	--	0.60	--	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
06/07/04	--	--	--	--	17	--	--	--	--	ND<0.20	--	--	--	ND<0.20	ND<50
09/09/04	--	--	--	--	16	--	--	--	--	ND<0.010	--	--	--	1.2	ND<50
12/20/04	--	--	--	--	17	--	--	--	--	ND<0.010	--	--	--	ND<1.0	ND<50
03/28/05	--	--	--	--	17	--	--	--	--	ND<0.050	--	--	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	--	--	ND	--
12/12/97	--	--	3.11	--	31	--	--	--	--	0.68	380	--	--	0.73	--
03/03/98	--	--	2.94	--	3.2	--	--	--	--	0.018	284	--	--	ND	--
06/15/98	--	--	3.08	--	33	--	--	--	--	0.14	256	--	--	ND	--
09/30/98	--	--	4.05	--	31	--	--	--	--	0.049	276	--	--	ND	--
12/28/98	--	--	4.57	--	31	--	--	--	--	0.36	280	--	--	ND	--
03/22/99	--	--	4.26	--	30	--	--	--	--	ND	320	--	--	0.14	--
06/09/99	--	--	3.61	--	35	--	--	--	--	ND	340	--	--	0.91	--
09/08/99	--	--	3.75	--	24	--	--	--	--	ND	391	--	--	ND	--
12/07/99	--	--	4.03	--	27.7	--	--	--	--	ND	478	--	--	ND	--
03/13/00	--	--	--	--	33	--	--	--	--	ND	244	--	--	ND	--
06/21/00	--	--	4.89	--	32	--	--	--	--	0.034	248	--	--	ND	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 5325

Date Sampled	EDC	EDB	Pre-Purge DO	Post Purge DO	NO3	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Fe+2	ORP	Acenaph-thylene	ortho-Phosphate	Phosphate	Ethanol 8260B
	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mV)	(µg/l)	(mg/l)	(mg/l)	(µg/l)
U-4 continued															
09/27/00	--	--	5.09	--	28	--	--	--	--	ND	198	--	--	ND	--
12/12/00	--	--	4.86	--	30	--	--	--	--	ND	210	--	--	ND	--
03/07/01	--	--	4.97	--	33.9	--	--	--	--	ND	233	--	--	0.226	--
06/06/01	--	--	5.12	--	7.4	--	--	--	--	ND	248	--	--	0.21	--
09/24/01	--	--	4.86	--	24	--	--	--	--	ND<0.10	262	--	--	--	--
12/10/01	--	--	5.05	--	19	--	--	--	--	ND<0.10	242	--	--	0.10	--
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	--	--	--	3.6	31	--	--	--	--	ND<0.20	250	--	--	ND<1.0	--
09/24/03	--	--	0.20	--	17	--	--	--	--	ND<0.20	-24	--	--	1.5	ND<500
12/02/03	--	--	--	--	--	--	--	--	--	ND<0.20	--	--	--	--	ND<500
03/30/04	--	--	--	--	25	--	--	--	--	ND<0.20	--	--	--	ND<1.0	ND<50
06/07/04	--	--	--	--	24	--	--	--	--	ND<0.20	--	--	--	ND<0.20	ND<50
09/09/04	--	--	--	--	22	--	--	--	--	ND<0.010	--	--	--	ND<1.0	ND<50
12/20/04	--	--	--	--	20	--	--	--	--	ND<0.010	--	--	--	ND<1.0	ND<50
03/28/05	--	--	--	--	31	--	--	--	--	0.060	--	--	ND<1.0	--	ND<50
U-5															
06/30/97	--	--	3.40	--	ND	--	--	--	--	16	160	--	--	ND	--
09/19/97	--	--	0.60	--	ND	--	--	--	--	0.22	63	--	--	ND	--
12/12/97	--	--	1.75	--	ND	--	--	--	--	6.7	400	--	--	ND	--
03/03/98	--	--	2.36	--	3.1	--	--	--	--	18	345	--	--	ND	--
06/15/98	--	--	2.55	--	ND	--	--	--	--	17	333	--	--	ND	--
09/30/98	--	--	1.93	--	ND	--	--	--	--	17	318	--	--	ND	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 5325

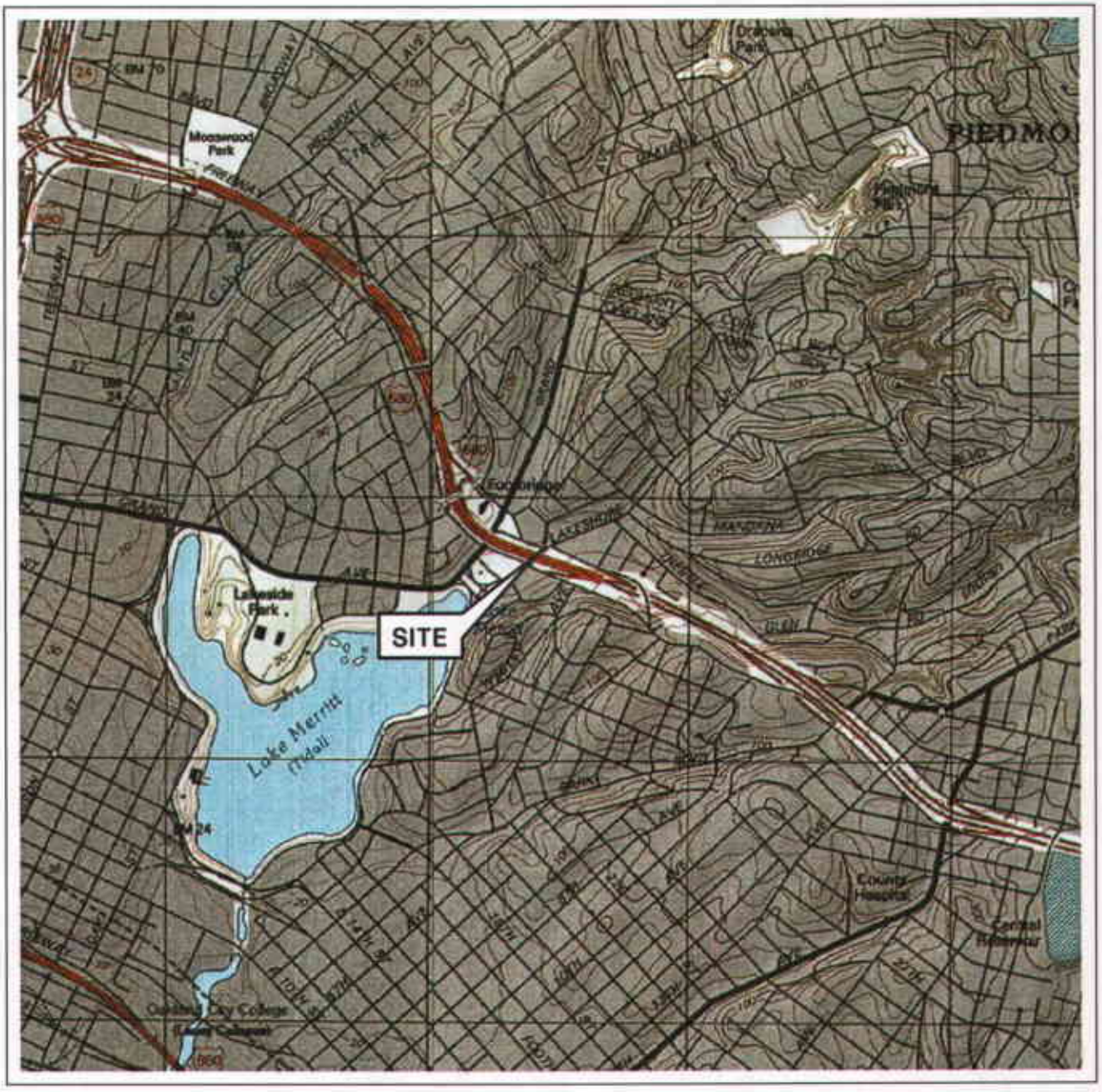
Date Sampled	EDC	EDB	Pre-Purge DO	Post Purge DO	NO3	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Fe+2	ORP	Acenaph-thylene	ortho-Phosphate	Phosphate	Ethanol 8260B
	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mV)	(µg/l)	(mg/l)	(mg/l)	(µg/l)
U-5 continued															
12/28/98	--	--	1.64	--	6.6	--	--	--	--	17	305	--	--	ND	--
03/22/99	--	--	1.99	--	ND	--	--	--	--	0.12	340	--	--	2.4	--
06/09/99	--	--	2.10	--	ND	--	--	--	--	0.23	320	--	--	ND	--
09/08/99	--	--	2.21	--	ND	--	--	--	--	2.10	335	--	--	ND	--
12/07/99	--	--	2.66	--	ND	--	--	--	--	0.310	408	--	--	ND	--
03/13/00	--	--	--	--	0.16	--	--	--	--	0.33	264	--	--	ND	--
06/21/00	--	--	3.42	--	ND	--	--	--	--	0.15	159	--	--	ND	--
09/27/00	--	--	3.85	--	ND	--	--	--	--	0.33	136	--	--	ND	--
12/12/00	--	--	3.53	--	ND	--	--	--	--	0.086	122	--	--	ND	--
03/07/01	ND	ND	2.98	--	3.02	ND	ND	ND	ND	1.07	141	--	--	4.00	ND
06/06/01	--	--	2.67	--	ND	--	--	--	--	ND	112	--	--	1.2	--
09/24/01	ND<10	ND<10	3.15	--	0.77	ND<10	ND<200	ND<10	ND<10	ND<0.10	146	--	--	--	ND<4000
12/10/01	--	--	2.85	--	ND<0.50	--	--	--	--	3.7	96	--	--	2.6	--
03/11/02	ND<2.0	ND<2.0	3.15	--	ND<0.50	ND<2.0	ND<100	ND<2.0	ND<2.0	0.10	108	--	--	0.52	ND<500
06/04/02	--	--	3.46	--	ND<0.50	--	--	--	--	ND<0.25	118	--	--	ND<0.10	--
09/03/02	ND<2.0	ND<2.0	2.85	--	ND<0.50	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.25	87	--	--	ND<0.10	ND<500
12/03/02	ND<2.0	ND<2.0	2.71	--	ND<1.0	ND<2.0	ND<100	ND<2.0	ND<2.0	22	104	--	--	ND<1.0	ND<500
03/04/03	ND<2.0	ND<2.0	0.20	--	ND<1.0	ND<2.0	ND<100	ND<2.0	ND<2.0	19	-166	--	--	ND<1.0	ND<500
06/18/03	ND<2.0	ND<2.0	--	2.4	ND<1.0	ND<2.0	ND<100	ND<2.0	ND<2.0	11	-10	--	--	ND<1.0	ND<500
09/24/03	--	--	0.30	--	18	--	--	--	--	ND<0.20	-28	--	--	1.8	ND<500
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
06/07/04	ND<0.5	ND<0.5	--	--	ND<0.50	ND<0.5	69	ND<1.0	ND<0.5	3.8	--	--	--	ND<0.20	ND<50
09/09/04	ND<0.50	ND<0.50	--	--	ND<1.0	ND<0.50	130	ND<1.0	ND<0.50	4.1	--	--	--	ND<1.0	ND<50
12/20/04	--	--	--	--	ND<1.0	--	--	--	--	5.0	--	--	--	ND<1.0	ND<50
03/28/05	ND<0.50	ND<0.50	--	--	ND<1.0	ND<0.50	150	ND<0.50	ND<0.50	6.5	--	--	ND<1.0	--	ND<50

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 5325

Date Sampled	EDC	EDB	Pre-Purge DO	Post Purge DO	NO3	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Fe+2	ORP	Acenaph-thylene	ortho-Phosphate	Phosphate	Ethanol 8260B
	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mV)	(µg/l)	(mg/l)	(mg/l)	(µg/l)
U-6															
06/30/97	--	--	0.30	--	0.80	--	--	--	--	88	190	--	--	ND	--
09/19/97	--	--	0.60	--	1.80	--	--	--	--	2.9	ND	--	--	ND	--
12/12/97	--	--	2.70	--	ND	--	--	--	--	51	380	--	--	ND	--
03/03/98	--	--	2.18	--	3.5	--	--	--	--	60	327	--	--	ND	--
06/15/98	--	--	2.48	--	4.8	--	--	--	--	590	315	--	--	ND	--
09/30/98	--	--	3.06	--	ND	--	--	--	--	33	345	--	--	ND	--
12/28/98	--	--	3.42	--	7.2	--	--	--	--	83	297	--	--	ND	--
03/22/99	--	--	3.88	--	ND	--	--	--	--	2.1	330	--	--	0.98	--
06/09/99	--	--	3.29	--	0.20	--	--	--	--	0.47	320	--	--	ND	--
09/08/99	--	--	3.12	--	5.59	--	--	--	--	0.140	305	--	--	ND	--
12/07/99	--	--	3.44	--	ND	--	--	--	--	0.260	443	--	--	ND	--
03/13/00	--	--	--	--	0.26	--	--	--	--	0.79	222	--	--	ND	--
06/21/00	--	--	3.27	--	ND	--	--	--	--	1.9	159	--	--	ND	--
09/27/00	--	--	3.49	--	ND	--	--	--	--	2.6	170	--	--	ND	--
12/12/00	--	--	3.06	--	2.7	--	--	--	--	ND	128	--	--	ND	--
03/07/01	ND	ND	--	--	--	ND	ND	ND	ND	--	--	--	--	--	ND
06/06/01	ND	ND	2.46	--	0.15	ND	ND	ND	ND	0.47	97	--	--	0.70	ND
09/24/01	ND<100	ND<100	3.10	--	0.58	ND<100	ND<2000	ND<100	ND<100	ND<0.10	123	--	--	--	ND<40000
12/10/01	ND<5.0	ND<5.0	2.57	--	0.50	ND<5.0	ND<200	ND<5.0	ND<5.0	0.99	112	--	--	2.0	ND<400
03/11/02	ND<8.0	ND<8.0	3.03	--	ND<0.50	ND<8.0	ND<400	ND<8.0	ND<8.0	1.2	128	--	--	0.089	ND<2000
06/04/02	--	--	2.84	--	ND<0.50	--	--	--	--	ND<0.10	97	--	--	ND<1.0	--
09/03/02	ND<40	ND<40	3.12	--	0.58	ND<40	ND<2000	ND<40	ND<40	ND<0.10	110	--	--	1.1	ND<10000
12/03/02	ND<20	ND<20	2.96	--	ND<1.0	ND<20	ND<1000	ND<20	ND<20	1.2	95	--	--	2.6	ND<5000
03/04/03	ND<40	ND<40	0.30	--	ND<1.0	ND<40	ND<2000	ND<40	ND<40	20	-112	--	--	ND<1.0	ND<10000
06/18/03	ND<40	ND<40	--	3.2	ND<1.0	ND<40	ND<2000	ND<40	ND<40	3.2	-15	--	--	2.0	ND<10000
09/24/03	ND<400	ND<400	0.30	--	ND<1.0	ND<400	ND<20000	ND<400	ND<400	1.4	-12	--	--	4.6	ND<100000

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 5325

Date Sampled	EDC	EDB	Pre-Purge DO	Post Purge DO	NO3	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Fe+2	ORP	Acenaph-thylene	ortho-Phosphate	Phosphate	Ethanol 8260B
	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mV)	(µg/l)	(mg/l)	(mg/l)	(µg/l)
U-6 continued															
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
06/07/04	ND<10	ND<10	--	--	0.8	ND<10	110	ND<20	ND<10	2.1	--	--	--	ND<0.20	ND<1000
09/09/04	ND<10	ND<10	--	--	ND<1.0	ND<10	1900	ND<20	ND<10	0.87	--	--	--	3.8	ND<1000
12/20/04	ND<2.5	ND<2.5	--	--	ND<1.0	ND<2.5	5000	ND<5.0	ND<2.5	2.5	--	--	--	ND<1.0	ND<250
03/28/05	ND<0.50	ND<2.5	--	--	ND<1.0	ND<0.50	990	ND<0.50	ND<0.50	3.4	--	--	ND<1.0	--	ND<50



0 1/4 1/2 3/4 1 MILE

SCALE 1:24,000

N

SOURCE:

United States Geological Survey
7.5 Minute Topographic Map:
Oakland West Quadrangle

VICINITY MAP

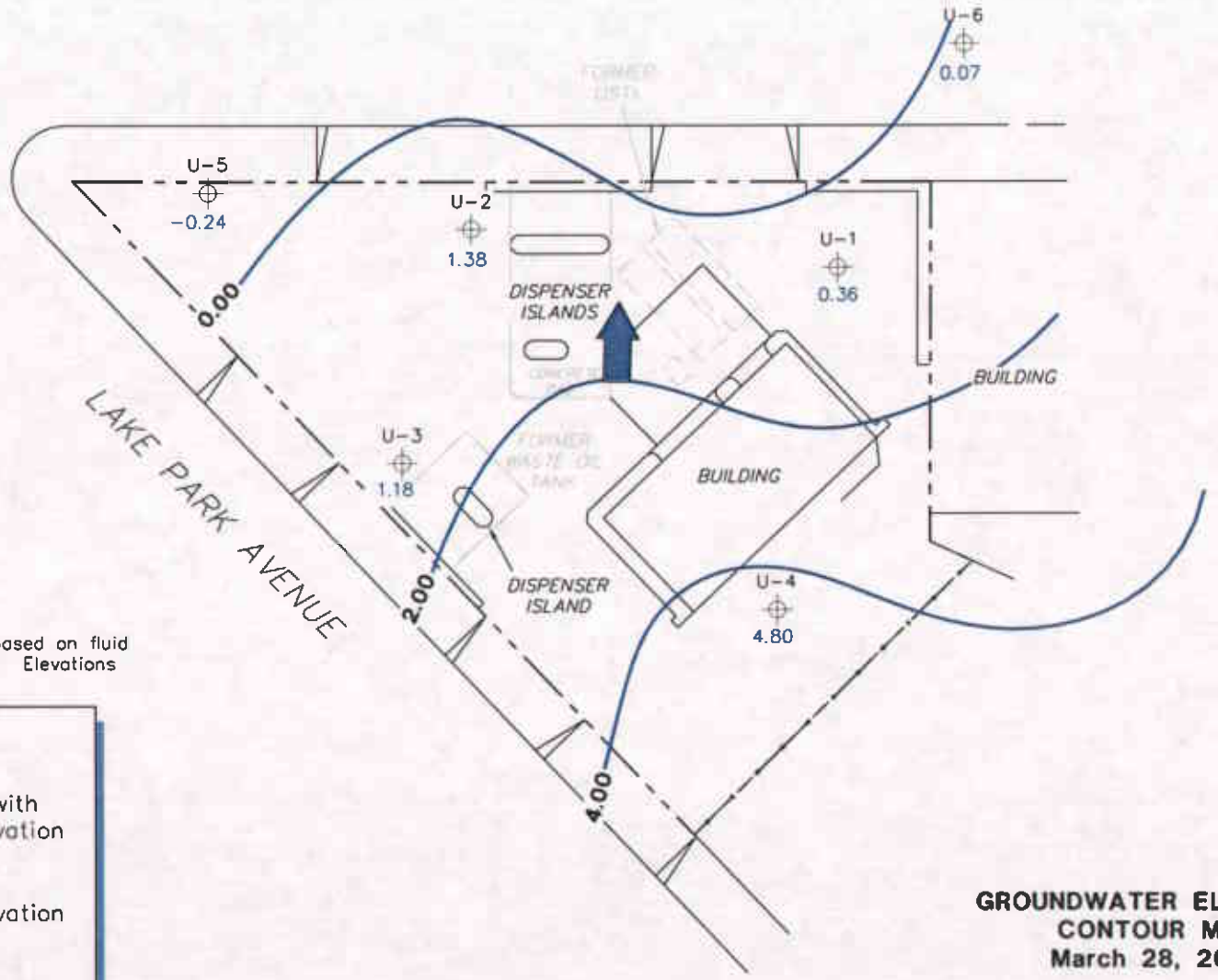
76 Station 5325
3220 Lakeshore Avenue
Oakland, California

TRC

FIGURE 1

PS = 1:1

Graphics on Irt1(i:)\VICINITY MAPS\1234vm.dwg 11/21/03 blw



NOTES:

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

LEGEND

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

4.00 — Groundwater Elevation Contour

General Direction of Groundwater Flow

SCALE (FEET)

0 40

GROUNDWATER ELEVATION CONTOUR MAP
March 28, 2005

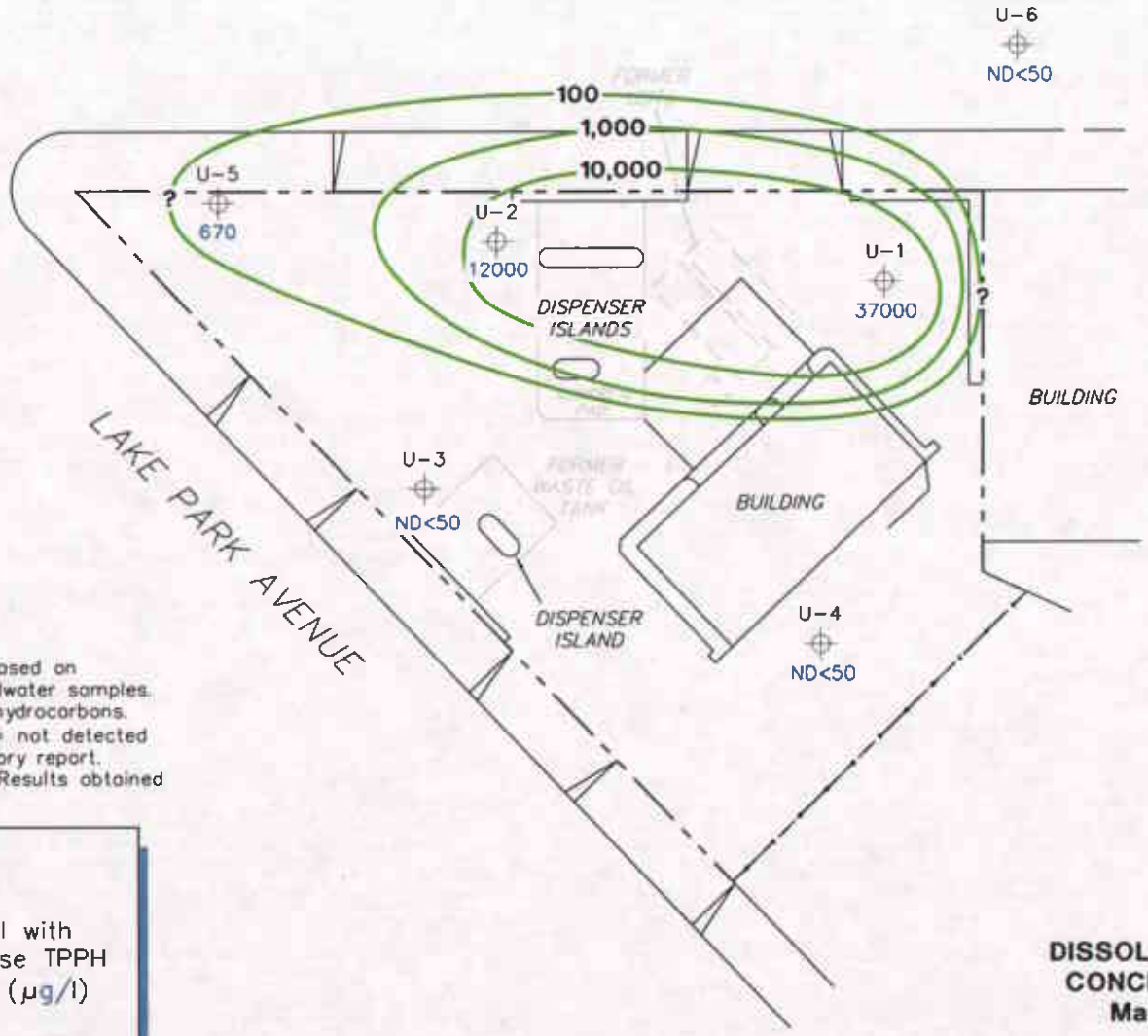
76 Station 5325
3220 Lakeshore Avenue
Oakland, California

FIGURE 2

TRC

PS=1:1 5325-003

L:\Graphics\ProjectsByNumber\20-xxxx\20-0400(UnocalQMS)\x-5000\5325+\5325QMS.DWG Apr 19, 2005 - 1:20pm mesten



NOTES:

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

LEGEND

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

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

SCALE (FEET)

0 40

DISSOLVED-PHASE TPPH CONCENTRATION MAP
March 28, 2005

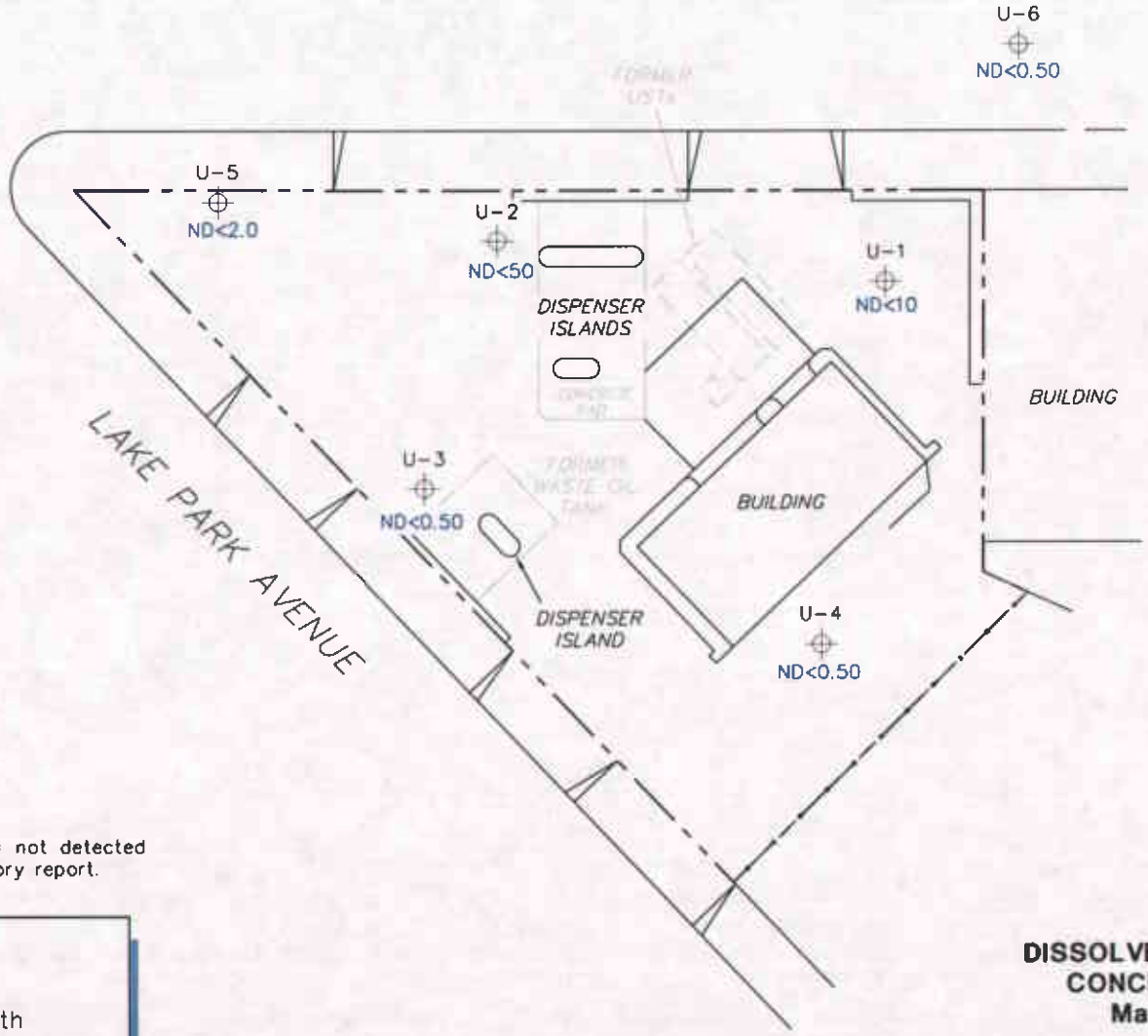
76 Station 5325
3220 Lakeshore Avenue
Oakland, California

FIGURE 3

TRC

PS=1:1 5325-003

L:\Graphics\ProjectsByNumber\20-xxxx\20-0400(UnocalQMS)\x-5000\5325+\5325QMS.DWG Apr 19, 2005 - 1:23pm mesten



NOTES:

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

LEGEND

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

SCALE (FEET)

0 40

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
March 28, 2005

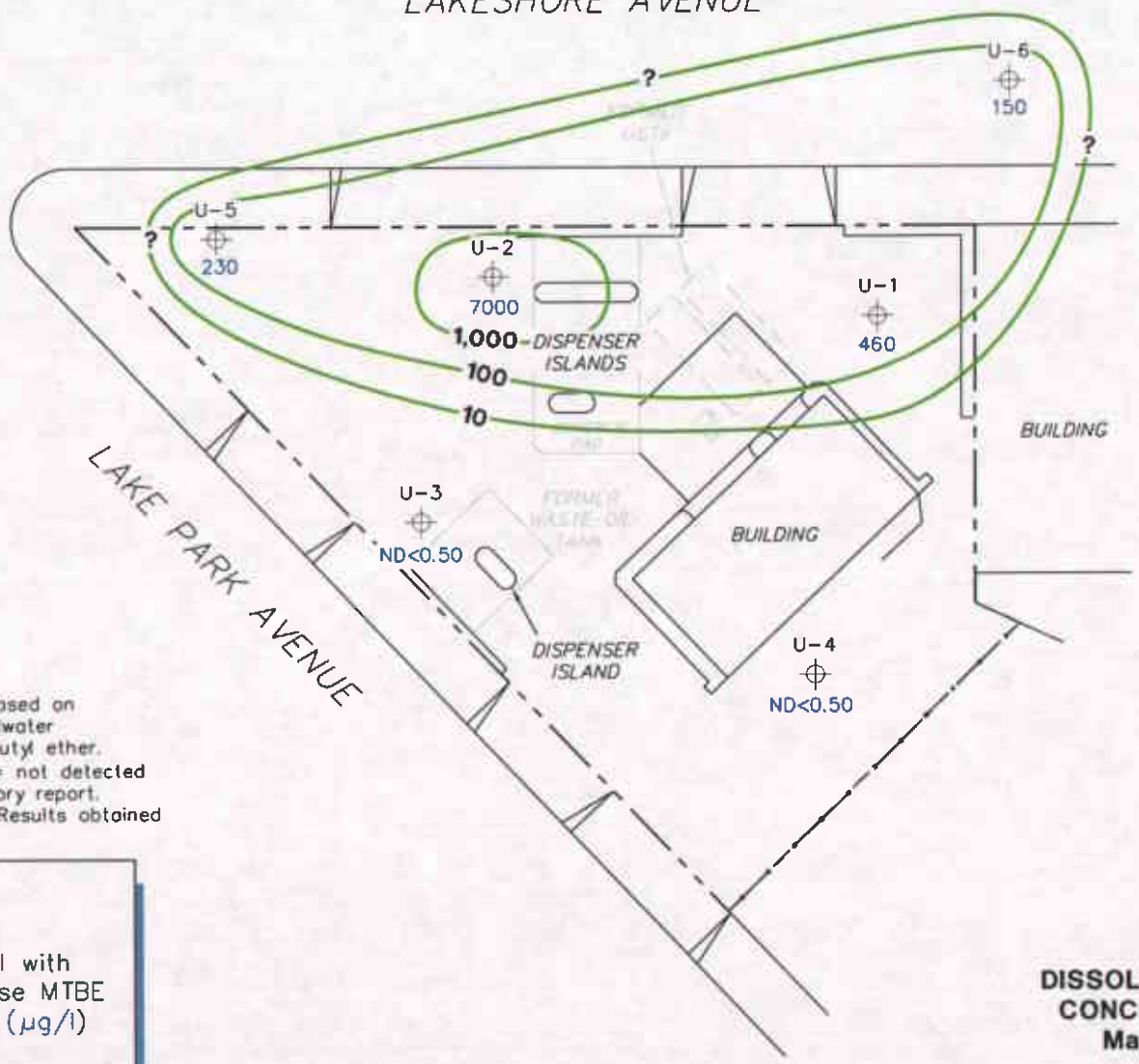
76 Station 5325
3220 Lakeshore Avenue
Oakland, California

FIGURE 4

5325-003

PS=1:1

L:\Graphics\ProjectsByNumber\20-xxxx\20-0400(UnocalQMS)\x-5000\5325+\5325QMS.DWG Apr 19, 2005 - 1:23pm mesten



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)

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

TRC

SCALE (FEET)

0 40

PS=1:1 5325-003

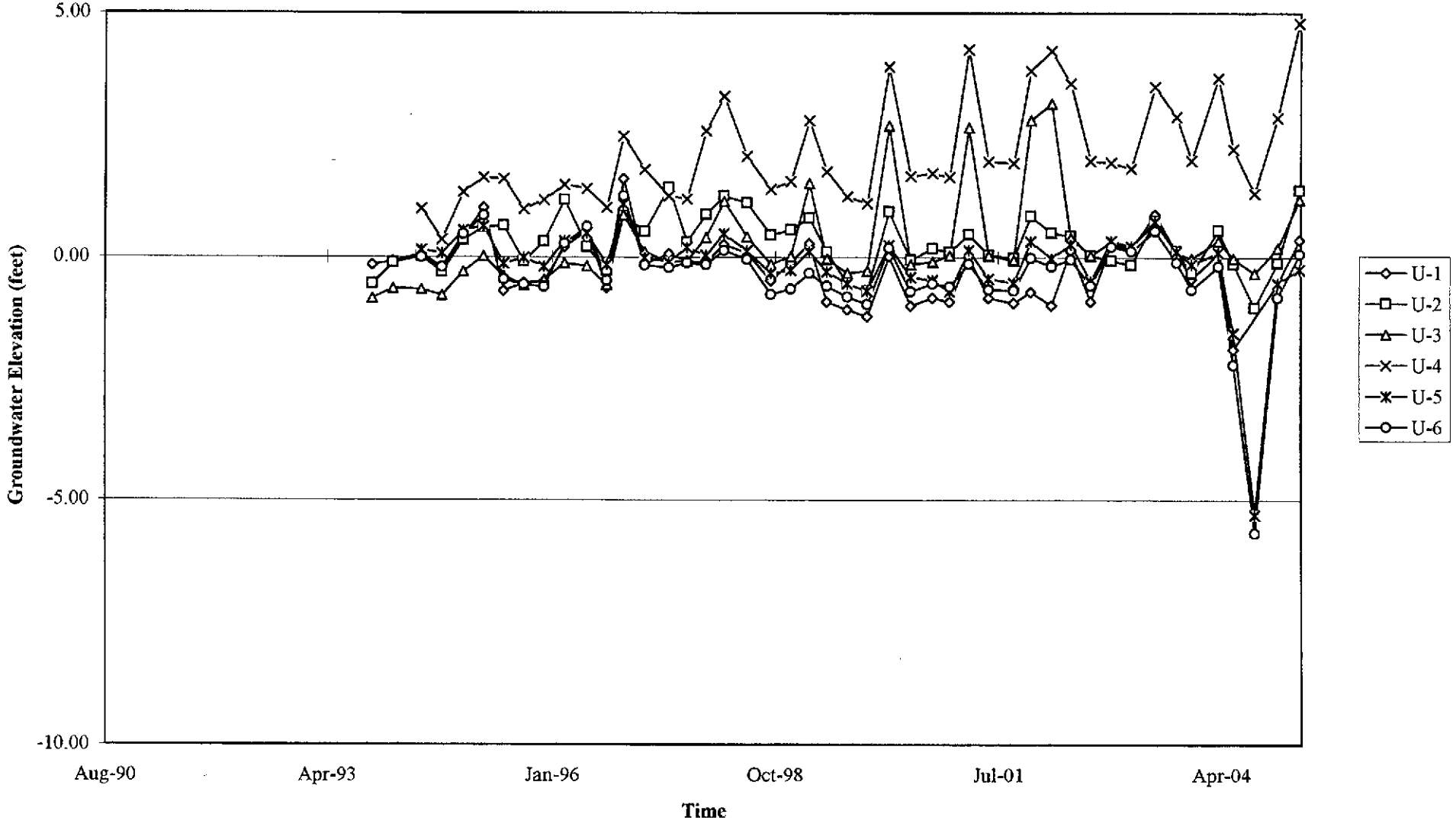
DISSOLVED-PHASE MTBE CONCENTRATION MAP
March 28, 2005

76 Station 5325
3220 Lakeshore Avenue
Oakland, California

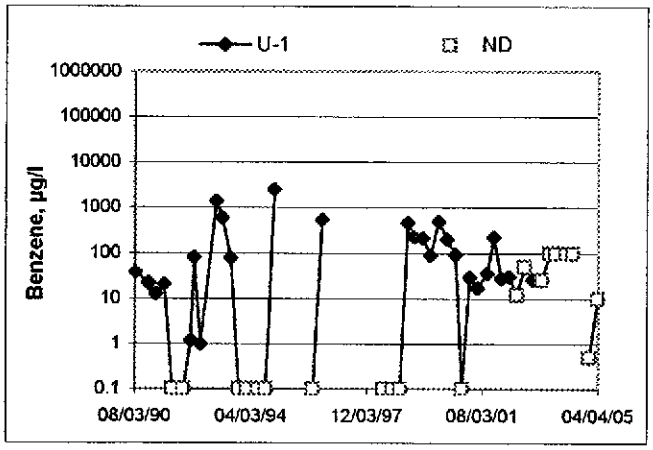
FIGURE 5

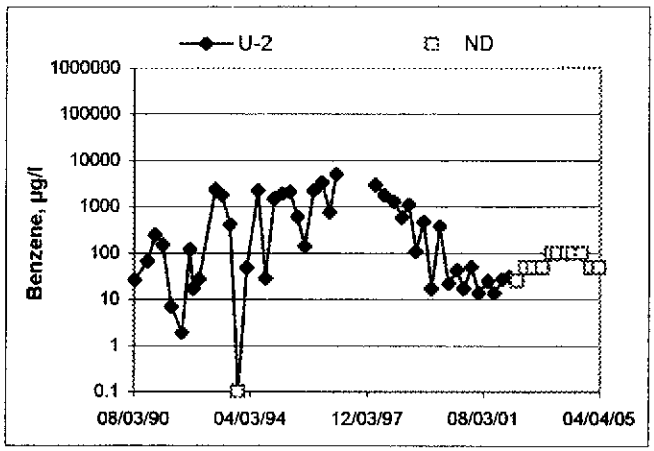
L:\Graphics\ProjectsByNumber\20-xxxx\20-0400(UnocalQMS)\x-5000\5325+\5325QMS.DWG Apr 19, 2005 - 1:26pm mesten

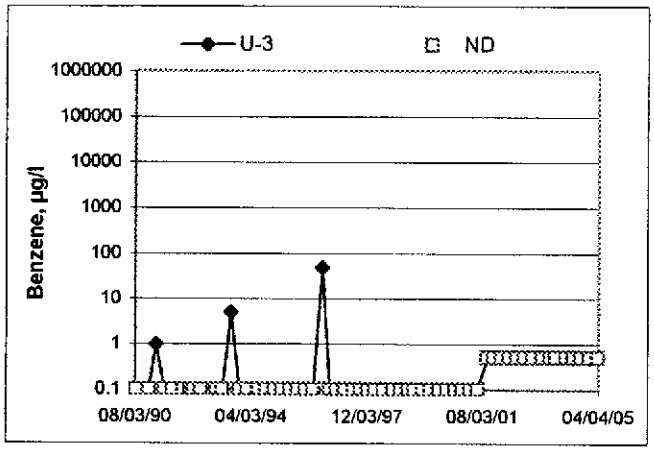
Groundwater Elevations vs. Time
76 Station 5325

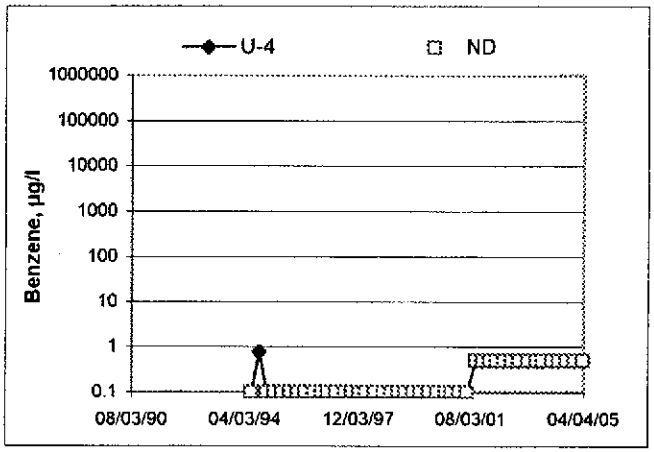


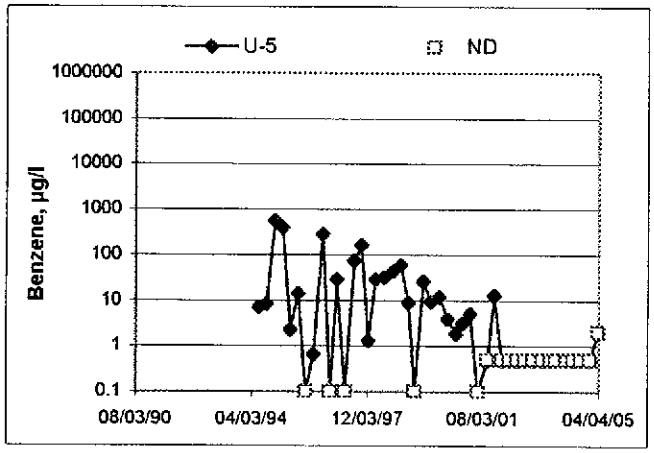
Benzene Concentrations vs Time
76 Station 5325

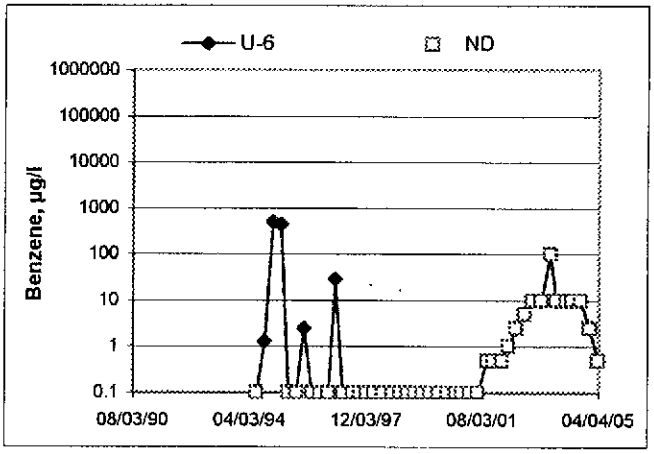












GENERAL FIELD PROCEDURES

Groundwater Monitoring and Sampling Assignments

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

Fluid Level Measurements

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

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

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

Purging and Groundwater Parameter Measurement

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

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

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

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

Groundwater Sample Collection

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

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

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

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

Sequence of Gauging, Purging, and Sampling

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

Decontamination

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

Exceptions

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

FIELD MONITORING DATA SHEET

Technician: ALEX Job #/Task #: 41050001 / PA20 Date: 032805

Site # 5325 Project Manager ROGER PATRA Page 1 of 1

Well #	TOC	Time Gauged	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
U-3	✓	0542	19.35	9.80	0	0	0837	3"
U-4	✓	0537	19.95	6.35	0	0	0852	4"
U-1	✓	0549	13.20	8.10	0	0	0901	3"
U-6	✓	0553	23.70	7.07	0	0	0916	2"
U-5	✓	0557	20.02	7.22	0	0	0928	4"
U-2	✓	0602	19.76	6.24	0	0	1003	3"

FIELD DATA COMPLETE QA/QC COC WELL BOX CONDITION SHEETS

WTT CERTIFICATE MANIFEST DRUM INVENTORY TRAFFIC CONTROL

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: MEK

Site: 5325 Project No.: 405001 Date: 032805

Well No.: U-4 Purge Method: DI

Depth to Water (feet): 6.35 Depth to Product (feet): 0

Total Depth (feet): 19.95 LPH & Water Recovered (gallons): 6

Water Column (feet): 13.60 Casing Diameter (Inches): 4"

80% Recharge Depth (feet): 9.07 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.
0641			9	668	22.6	7.15	163	4.54
			18	667	22.6	7.22	155	4.03
	0649		27	686	22.0	7.63	130	4.66

Static at Time Sampled	Total Gallons Purged	Time Sampled
15.31	27	0852

Comments: WELL DID NOT RECOVER IN 2HRS.

Well No.: U-3 Purge Method: PM

Depth to Water (feet): 9.80 Depth to Product (feet): 0

Total Depth (feet): 19.35 LPH & Water Recovered (gallons): 0

Water Column (feet): 9.55 Casing Diameter (Inches): 3"

80% Recharge Depth (feet): 11.71 1 Well Volume (gallons): 4

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	~~Turbidity~~ ORP	D.O.
0657			4	629	21.1	7.49	145	3.32
			8	632	21.3	7.45	135	4.10
	0702		12	639	21.4	7.43	137	4.21

Static at Time Sampled	Total Gallons Purged	Time Sampled
10.37	12	0837

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: AKK

Site: 5325 Project No.: 4050001 Date: 082805

Well No.: U-5

Purge Method: DIA

Depth to Water (feet): 7.22

Depth to Product (feet): 0

Total Depth (feet): 20.02

LPH & Water Recovered (gallons): 0

Water Column (feet): 12.80

Casing Diameter (Inches): 4"

80% Recharge Depth (feet): 9.78

1 Well Volume (gallons): 8

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity ~~Turbidity~~ ORP	D.O.
0746			8	978	24.8	6.56	132	1.06
			16	1073	24.7	6.59	131	1.66
	0747		24	1331	24.4	6.67	133	2.02

Static at Time Sampled	Total Gallons Purged	Time Sampled
9.15	24	0928

Comments:

Well No.: U-2

Purge Method: DIA

Depth to Water (feet): 6.24

Depth to Product (feet): 0

Total Depth (feet): 19.76

LPH & Water Recovered (gallons): 0

Water Column (feet): 13.52

Casing Diameter (Inches): 6"

80% Recharge Depth (feet): 8.94

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.
0755			5	1181	23.6	6.81	118	3.76
			10	1410	23.4	7.26	139	4.75
	0800		15	1489	25.7	7.17	140	4.30

Static at Time Sampled	Total Gallons Purged	Time Sampled
14.65	15	1003

Comments: WELL DID NOT RECOVER IN 2HRS.

GROUNDWATER SAMPLING FIELD NOTES

Technician: Alex

Site: 5325 Project No.: 4105001 Date: 03 28 05

Well No.: U-1 Purge Method: DA

Depth to Water (feet): 8.10 Depth to Product (feet): 0

Total Depth (feet): 13.20 LPH & Water Recovered (gallons): 0

Water Column (feet): 5.10 Casing Diameter (Inches): 3"

80% Recharge Depth (feet): 9.12 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F, C)	pH	~~Turbidity~~ ORP	D.O.
0708			2	589	20.4	6.51	124	3.26
			4	593	21.2	6.49	132	3.30
	0712		6	619	20.4	6.65	138	4.32

Static at Time Sampled	Total Gallons Purged	Time Sampled
8.44	6	0901

Comments:

Well No.: U-4 Purge Method: DA

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

Total Depth (feet): 23.70 LPH & Water Recovered (gallons): 0

Water Column (feet): 16.63 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): ~~13.32~~ 10.39 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F, C)	pH	~~Turbidity~~ ORP	D.O.
0722			3	975	19.7	6.61	84	2.57
			6	1041	19.9	6.60	97	2.53
	0727		9	1063	20.2	6.68	76	3.18

Static at Time Sampled	Total Gallons Purged	Time Sampled
7.32	9	0916

Comments:

SEVERN TRENT STL

Submission#: 2005-03-0973

TRC Alton Geoscience- Irvine

April 14, 2005

21 Technology Drive
Irvine, CA 92718
Attn.: Anju Farfan

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

Attached is our report for your samples received on 03/28/2005 17:14
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 05/12/2005 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,

Dimple Sharma
Project Manager

SEVERN TRENT STL

Submission: 2005-03-0973

Misc Anions by Ion Chromatograph

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
U-3	03/28/2005 08:37	Water	1
U-4	03/28/2005 08:52	Water	2
U-1	03/28/2005 09:01	Water	3
U-6	03/28/2005 09:16	Water	4
U-5	03/28/2005 09:28	Water	5
U-2	03/28/2005 10:03	Water	6

Misc Anions by Ion Chromatograph

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	300.0/9056	Test(s):	300.0/9056
Sample ID:	**U-3**	Lab ID:	2005-03-0973 - 1
Sampled:	03/28/2005 08:37	Extracted:	3/29/2005 20:20
Matrix:	Water	QC Batch#:	2005/03/29-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	17	1.0	mg/L	5.00	03/30/2005 01:54	
Orthophosphate	ND	1.0	mg/L	5.00	03/30/2005 01:54	

Misc Anions by Ion Chromatograph

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	300.0/9056	Test(s):	300.0/9056
Sample ID:	**U-4**	Lab ID:	2005-03-0973 - 2
Sampled:	03/28/2005 08:52	Extracted:	3/29/2005 20:20
Matrix:	Water	QC Batch#:	2005/03/29-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	31	1.0	mg/L	5.00	03/30/2005 02:10	
Orthophosphate	ND	1.0	mg/L	5.00	03/30/2005 02:10	

Misc Anions by Ion Chromatograph

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	300.0/9056	Test(s):	300.0/9056
Sample ID:	U-1	Lab ID:	2005-03-0973 - 3
Sampled:	03/28/2005 09:01	Extracted:	3/29/2005 20:20
Matrix:	Water	QC Batch#:	2005/03/29-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	ND	1.0	mg/L	5.00	03/30/2005 02:25	
Orthophosphate	ND	1.0	mg/L	5.00	03/30/2005 02:25	

Misc Anions by Ion Chromatograph

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	300.0/9056	Test(s):	300.0/9056
Sample ID:	**U-6**	Lab ID:	2005-03-0973 - 4
Sampled:	03/28/2005 09:16	Extracted:	3/29/2005 20:20
Matrix:	Water	QC Batch#:	2005/03/29-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	ND	1.0	mg/L	5.00	03/30/2005 02:41	
Orthophosphate	ND	1.0	mg/L	5.00	03/30/2005 02:41	

Misc Anions by Ion Chromatograph

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	300.0/9056	Test(s):	300.0/9056
Sample ID:	**U-5**	Lab ID:	2005-03-0973 - 5
Sampled:	03/28/2005 09:28	Extracted:	3/29/2005 20:20
Matrix:	Water	QC Batch#:	2005/03/29-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	ND	1.0	mg/L	5.00	03/30/2005 02:56	
Orthophosphate	ND	1.0	mg/L	5.00	03/30/2005 02:56	

Misc Anions by Ion Chromatograph

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	300.0/9056	Test(s):	300.0/9056
Sample ID:	**U-2**	Lab ID:	2005-03-0973 - 6
Sampled:	03/28/2005 10:03	Extracted:	3/29/2005 20:20
Matrix:	Water	QC Batch#:	2005/03/29-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	ND	1.0	mg/L	5.00	03/30/2005 03:12	
Orthophosphate	ND	1.0	mg/L	5.00	03/30/2005 03:12	

Misc Anions by Ion Chromatograph

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Batch QC Report

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

Method Blank **Water** **QC Batch # 2005/03/29-01.41**

MB: 2005/03/29-01.41-001 Date Extracted: 03/29/2005 20:20

Compound	Conc.	RL	Unit	Analyzed	Flag
Nitrate	ND	0.2	mg/L	03/29/2005 20:44	
Orthophosphate	ND	0.2	mg/L	03/29/2005 20:44	

Misc Anions by Ion Chromatograph

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Batch QC Report

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

Laboratory Control Spike **Water** **QC Batch # 2005/03/29-01.41**

LCS 2005/03/29-01.41-002 Extracted: 03/29/2005 Analyzed: 03/29/2005 20:59
LCSD 2005/03/29-01.41-003 Extracted: 03/29/2005 Analyzed: 03/29/2005 21:15

Compound	Conc.	mg/L	Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Nitrate	26.1	26.3	26.7	97.8	98.5	0.7	80-120	20		
Orthophosphate	29.1	29.3	30.6	95.1	95.8	0.7	80-120	20		

SEVERN TRENT STL

Submission: 2005-03-0973

Ferrous Iron by SM 3500-Fe B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
U-3	03/28/2005 08:37	Water	1
U-4	03/28/2005 08:52	Water	2
U-1	03/28/2005 09:01	Water	3
U-6	03/28/2005 09:16	Water	4
U-5	03/28/2005 09:28	Water	5
U-2	03/28/2005 10:03	Water	6

Ferrous Iron by SM 3500-Fe B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	3500 Fe B	Test(s):	SM 3500-Fe B
Sample ID:	**U-3**	Lab ID:	2005-03-0973 - 1
Sampled:	03/28/2005 08:37	Extracted:	3/28/2005 19:00
Matrix:	Water	QC Batch#:	2005/03/28-01.72

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Ferrous Iron	ND	0.050	mg/L	1.00	03/28/2005 19:10	

Ferrous Iron by SM 3500-Fe B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	3500 Fe B	Test(s):	SM 3500-Fe B
Sample ID:	U-4	Lab ID:	2005-03-0973 - 2
Sampled:	03/28/2005 08:52	Extracted:	3/28/2005 19:00
Matrix:	Water	QC Batch#:	2005/03/28-01.72

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Ferrous Iron	0.060	0.050	mg/L	1.00	03/28/2005 19:10	

Ferrous Iron by SM 3500-Fe B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	3500 Fe B	Test(s):	SM 3500-Fe B
Sample ID:	U-1	Lab ID:	2005-03-0973 - 3
Sampled:	03/28/2005 09:01	Extracted:	3/28/2005 19:00
Matrix:	Water	QC Batch#:	2005/03/28-01.72

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Ferrous Iron	16	0.25	mg/L	5.00	03/28/2005 19:10	

Ferrous Iron by SM 3500-Fe B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	3500 Fe B	Test(s):	SM 3500-Fe B
Sample ID:	**U-6**	Lab ID:	2005-03-0973 - 4
Sampled:	03/28/2005 09:16	Extracted:	3/28/2005 19:00
Matrix:	Water	QC Batch#:	2005/03/28-01.72

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Ferrous Iron	3.4	0.050	mg/L	1.00	03/28/2005 19:10	

Ferrous Iron by SM 3500-Fe B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	3500 Fe B	Test(s):	SM 3500-Fe B
Sample ID:	**U-5**	Lab ID:	2005-03-0973 - 5
Sampled:	03/28/2005 09:28	Extracted:	3/28/2005 19:00
Matrix:	Water	QC Batch#:	2005/03/28-01.72

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Ferrous Iron	6.5	0.25	mg/L	5.00	03/28/2005 19:10	

Ferrous Iron by SM 3500-Fe B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	3500 Fe B	Test(s):	SM 3500-Fe B
Sample ID:	**U-2**	Lab ID:	2005-03-0973 - 6
Sampled:	03/28/2005 10:03	Extracted:	3/28/2005 19:00
Matrix:	Water	QC Batch#:	2005/03/28-01.72

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Ferrous Iron	4.0	0.050	mg/L	1.00	03/28/2005 19:10	

Ferrous Iron by SM 3500-Fe B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Batch QC Report

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

Method Blank — **Water** — **QC Batch # 2005/03/28-01.72**

MB: 2005/03/28-01.72-001 — Date Extracted: 03/28/2005 17:45

Compound	Conc.	RL	Unit	Analyzed	Flag
Ferrous Iron	ND	0.05	mg/L	03/28/2005 17:55	

Ferrous Iron by SM 3500-Fe B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Batch QC Report

Prep(s): 3500 Fe B

Test(s): SM 3500-Fe B

Laboratory Control Spike **Water** **QC Batch # 2005/03/28-01.72**

LCS 2005/03/28-01.72-002 Extracted: 03/28/2005 Analyzed: 03/28/2005 17:55
LCSD 2005/03/28-01.72-003 Extracted: 03/28/2005 Analyzed: 03/28/2005 17:55

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Ferrous Iron	1.01	1.03	1	101.0	103.0	2.0	80-120	20		

Ferrous Iron by SM 3500-Fe B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Legend and Notes

Analysis Flag

L2

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

SEVERN TRENT STL

Submission: 2005-03-0973

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
U-3	03/28/2005 08:37	Water	1
U-4	03/28/2005 08:52	Water	2
U-1	03/28/2005 09:01	Water	3
U-6	03/28/2005 09:16	Water	4
U-5	03/28/2005 09:28	Water	5
U-2	03/28/2005 10:03	Water	6

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**U-3**	Lab ID:	2005-03-0973 - 1
Sampled:	03/28/2005 08:37	Extracted:	4/6/2005 20:04
Matrix:	Water	QC Batch#:	2005/04/06-2A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	04/06/2005 20:04	Q6
Benzene	ND	0.50	ug/L	1.00	04/06/2005 20:04	
Toluene	ND	0.50	ug/L	1.00	04/06/2005 20:04	
Ethylbenzene	ND	0.50	ug/L	1.00	04/06/2005 20:04	
Total xylenes	ND	1.0	ug/L	1.00	04/06/2005 20:04	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	04/06/2005 20:04	
Ethanol	ND	50	ug/L	1.00	04/06/2005 20:04	
Surrogate(s)						
1,2-Dichloroethane-d4	97.4	73-130	%	1.00	04/06/2005 20:04	
Toluene-d8	92.5	81-114	%	1.00	04/06/2005 20:04	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**U-4**	Lab ID:	2005-03-0973 - 2
Sampled:	03/28/2005 08:52	Extracted:	4/6/2005 20:19
Matrix:	Water	QC Batch#:	2005/04/06-2A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	04/06/2005 20:19	
Benzene	ND	0.50	ug/L	1.00	04/06/2005 20:19	
Toluene	ND	0.50	ug/L	1.00	04/06/2005 20:19	
Ethylbenzene	ND	0.50	ug/L	1.00	04/06/2005 20:19	
Total xylenes	ND	1.0	ug/L	1.00	04/06/2005 20:19	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	04/06/2005 20:19	
Ethanol	ND	50	ug/L	1.00	04/06/2005 20:19	
Surrogate(s)						
1,2-Dichloroethane-d4	109.5	73-130	%	1.00	04/06/2005 20:19	
Toluene-d8	97.9	81-114	%	1.00	04/06/2005 20:19	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**U-1**	Lab ID:	2005-03-0973 - 3
Sampled:	03/28/2005 09:01	Extracted:	4/6/2005 22:20 4/8/2005 12:43
Matrix:	Water	QC Batch#:	2005/04/06-2A.69 2005/04/08-1A.64

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	37000	1000	ug/L	20.00	04/08/2005 12:43	
Benzene	ND	10	ug/L	20.00	04/08/2005 12:43	
Toluene	ND	10	ug/L	20.00	04/08/2005 12:43	
Ethylbenzene	1500	10	ug/L	20.00	04/08/2005 12:43	
Total xylenes	5300	20	ug/L	20.00	04/08/2005 12:43	
tert-Butyl alcohol (TBA)	2500	100	ug/L	20.00	04/08/2005 12:43	
Methyl tert-butyl ether (MTBE)	460	10	ug/L	20.00	04/08/2005 12:43	
Di-isopropyl Ether (DIPE)	ND	10	ug/L	20.00	04/08/2005 12:43	
Ethyl tert-butyl ether (ETBE)	ND	10	ug/L	20.00	04/08/2005 12:43	
tert-Amyl methyl ether (TAME)	ND	10	ug/L	20.00	04/08/2005 12:43	
1,2-DCA	ND	10	ug/L	20.00	04/08/2005 12:43	
EDB	ND	0.50	ug/L	1.00	04/06/2005 22:20	
Ethanol	ND	1000	ug/L	20.00	04/08/2005 12:43	
Surrogate(s)						
1,2-Dichloroethane-d4	112.6	73-130	%	20.00	04/08/2005 12:43	
1,2-Dichloroethane-d4	95.9	73-130	%	1.00	04/06/2005 22:20	
Toluene-d8	101.1	81-114	%	20.00	04/08/2005 12:43	
Toluene-d8	93.0	81-114	%	1.00	04/06/2005 22:20	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**U-6**	Lab ID:	2005-03-0973 - 4
Sampled:	03/28/2005 09:16	Extracted:	4/6/2005 22:39 4/7/2005 20:05 4/11/2005 20:08
Matrix:	Water	QC Batch#:	2005/04/06-2A.69 2005/04/07-2A.64 2005/04/11-1A.68

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	04/07/2005 20:05	Q6
Benzene	ND	0.50	ug/L	1.00	04/11/2005 20:08	
Toluene	ND	0.50	ug/L	1.00	04/11/2005 20:08	
Ethylbenzene	ND	0.50	ug/L	1.00	04/11/2005 20:08	
Total xylenes	ND	1.0	ug/L	1.00	04/11/2005 20:08	
tert-Butyl alcohol (TBA)	990	5.0	ug/L	1.00	04/07/2005 20:05	
Methyl tert-butyl ether (MTBE)	150	0.50	ug/L	1.00	04/07/2005 20:05	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	04/07/2005 20:05	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	04/07/2005 20:05	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	04/07/2005 20:05	
1,2-DCA	ND	0.50	ug/L	1.00	04/07/2005 20:05	
EDB	ND	2.5	ug/L	5.00	04/06/2005 22:39	
Ethanol	ND	50	ug/L	1.00	04/07/2005 20:05	
Surrogate(s)						
1,2-Dichloroethane-d4	113.2	73-130	%	1.00	04/07/2005 20:05	
1,2-Dichloroethane-d4	96.2	73-130	%	1.00	04/11/2005 20:08	
1,2-Dichloroethane-d4	98.7	73-130	%	5.00	04/06/2005 22:39	
Toluene-d8	99.3	81-114	%	1.00	04/11/2005 20:08	
Toluene-d8	99.2	81-114	%	1.00	04/07/2005 20:05	
Toluene-d8	93.7	81-114	%	5.00	04/06/2005 22:39	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**U-5**	Lab ID:	2005-03-0973 - 5
Sampled:	03/28/2005 09:28	Extracted:	4/6/2005 22:58 4/7/2005 20:27
Matrix:	Water	QC Batch#:	2005/04/06-2A.69 2005/04/07-2A.64

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	670	50	ug/L	1.00	04/06/2005 22:58	
Benzene	ND	2.0	ug/L	4.00	04/07/2005 20:27	
Toluene	ND	2.0	ug/L	4.00	04/07/2005 20:27	
Ethylbenzene	ND	2.0	ug/L	4.00	04/07/2005 20:27	
Total xylenes	ND	4.0	ug/L	4.00	04/07/2005 20:27	
tert-Butyl alcohol (TBA)	150	5.0	ug/L	1.00	04/06/2005 22:58	
Methyl tert-butyl ether (MTBE)	230	2.0	ug/L	4.00	04/07/2005 20:27	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	04/06/2005 22:58	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	04/06/2005 22:58	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	04/06/2005 22:58	
1,2-DCA	ND	0.50	ug/L	1.00	04/06/2005 22:58	
EDB	ND	0.50	ug/L	1.00	04/06/2005 22:58	
Ethanol	ND	50	ug/L	1.00	04/06/2005 22:58	
Surrogate(s)						
1,2-Dichloroethane-d4	121.6	73-130	%	4.00	04/07/2005 20:27	
1,2-Dichloroethane-d4	99.2	73-130	%	1.00	04/06/2005 22:58	
Toluene-d8	100.5	81-114	%	4.00	04/07/2005 20:27	
Toluene-d8	93.1	81-114	%	1.00	04/06/2005 22:58	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**U-2**	Lab ID:	2005-03-0973 - 6
Sampled:	03/28/2005 10:03	Extracted:	4/6/2005 23:18
Matrix:	Water	QC Batch#:	2005/04/06-2A.69

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	12000	5000	ug/L	100.00	04/06/2005 23:18	
Benzene	ND	50	ug/L	100.00	04/06/2005 23:18	
Toluene	ND	50	ug/L	100.00	04/06/2005 23:18	
Ethylbenzene	160	50	ug/L	100.00	04/06/2005 23:18	
Total xylenes	120	100	ug/L	100.00	04/06/2005 23:18	
tert-Butyl alcohol (TBA)	8300	500	ug/L	100.00	04/06/2005 23:18	
Methyl tert-butyl ether (MTBE)	7000	50	ug/L	100.00	04/06/2005 23:18	
Di-isopropyl Ether (DIPE)	ND	50	ug/L	100.00	04/06/2005 23:18	
Ethyl tert-butyl ether (ETBE)	ND	50	ug/L	100.00	04/06/2005 23:18	
tert-Amyl methyl ether (TAME)	ND	50	ug/L	100.00	04/06/2005 23:18	
1,2-DCA	ND	50	ug/L	100.00	04/06/2005 23:18	
EDB	ND	50	ug/L	100.00	04/06/2005 23:18	
Ethanol	ND	5000	ug/L	100.00	04/06/2005 23:18	
Surrogate(s)						
1,2-Dichloroethane-d4	103.4	73-130	%	100.00	04/06/2005 23:18	
Toluene-d8	93.0	81-114	%	100.00	04/06/2005 23:18	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2005/04/06-2A.64**

MB: 2005/04/06-2A.64-004 — Date Extracted: 04/06/2005 19:04

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	04/06/2005 19:04	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	04/06/2005 19:04	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	04/06/2005 19:04	
Di-isopropyl Ether (DIPE)	ND	0.5	ug/L	04/06/2005 19:04	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	04/06/2005 19:04	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	04/06/2005 19:04	
1,2-DCA	ND	0.5	ug/L	04/06/2005 19:04	
EDB	ND	0.5	ug/L	04/06/2005 19:04	
Benzene	ND	0.5	ug/L	04/06/2005 19:04	
Toluene	ND	0.5	ug/L	04/06/2005 19:04	
Ethylbenzene	ND	0.5	ug/L	04/06/2005 19:04	
Total xylenes	ND	1.0	ug/L	04/06/2005 19:04	
Ethanol	ND	50	ug/L	04/06/2005 19:04	
Surrogates(s)					
1,2-Dichloroethane-d4	104.8	73-130	%	04/06/2005 19:04	
Toluene-d8	95.8	81-114	%	04/06/2005 19:04	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2005/04/06-2A.69**

MB: 2005/04/06-2A.69-034 — Date Extracted: 04/06/2005 19:34

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	04/06/2005 19:34	
Benzene	ND	0.5	ug/L	04/06/2005 19:34	
Toluene	ND	0.5	ug/L	04/06/2005 19:34	
Ethylbenzene	ND	0.5	ug/L	04/06/2005 19:34	
Total xylenes	ND	1.0	ug/L	04/06/2005 19:34	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	04/06/2005 19:34	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	04/06/2005 19:34	
Di-isopropyl Ether (DIPE)	ND	0.5	ug/L	04/06/2005 19:34	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	04/06/2005 19:34	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	04/06/2005 19:34	
1,2-DCA	ND	0.5	ug/L	04/06/2005 19:34	
EDB	ND	0.5	ug/L	04/06/2005 19:34	
Ethanol	ND	50	ug/L	04/06/2005 19:34	
Surrogates(s)					
1,2-Dichloroethane-d4	92.0	73-130	%	04/06/2005 19:34	
Toluene-d8	90.8	81-114	%	04/06/2005 19:34	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2005/04/07-2A.64**

MB: 2005/04/07-2A.64-032 — Date Extracted: 04/07/2005 18:32

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	04/07/2005 18:32	
Benzene	ND	0.5	ug/L	04/07/2005 18:32	
Toluene	ND	0.5	ug/L	04/07/2005 18:32	
Ethylbenzene	ND	0.5	ug/L	04/07/2005 18:32	
Total xylenes	ND	1.0	ug/L	04/07/2005 18:32	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	04/07/2005 18:32	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	04/07/2005 18:32	
Di-isopropyl Ether (DIPE)	ND	0.5	ug/L	04/07/2005 18:32	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	04/07/2005 18:32	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	04/07/2005 18:32	
1,2-DCA	ND	0.5	ug/L	04/07/2005 18:32	
EDB	ND	0.5	ug/L	04/07/2005 18:32	
Ethanol	ND	50	ug/L	04/07/2005 18:32	
Surrogates(s)					
1,2-Dichloroethane-d4	115.6	73-130	%	04/07/2005 18:32	
Toluene-d8	100.2	81-114	%	04/07/2005 18:32	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2005/04/08-1A.64**

MB: 2005/04/08-1A.64-035 — Date Extracted: 04/08/2005 08:35

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	04/08/2005 08:35	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	04/08/2005 08:35	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	04/08/2005 08:35	
Di-isopropyl Ether (DIPE)	ND	0.5	ug/L	04/08/2005 08:35	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	04/08/2005 08:35	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	04/08/2005 08:35	
1,2-DCA	ND	0.5	ug/L	04/08/2005 08:35	
EDB	ND	0.5	ug/L	04/08/2005 08:35	
Benzene	ND	0.5	ug/L	04/08/2005 08:35	
Toluene	ND	0.5	ug/L	04/08/2005 08:35	
Ethylbenzene	ND	0.5	ug/L	04/08/2005 08:35	
Total xylenes	ND	1.0	ug/L	04/08/2005 08:35	
Ethanol	ND	50	ug/L	04/08/2005 08:35	
Surrogates(s)					
1,2-Dichloroethane-d4	113.8	73-130	%	04/08/2005 08:35	
Toluene-d8	98.6	81-114	%	04/08/2005 08:35	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2005/04/11-1A.68**

MB: 2005/04/11-1A.68-050 — Date Extracted: 04/11/2005 18:50

Compound	Conc.	RL	Unit	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	04/11/2005 18:50	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	04/11/2005 18:50	
Di-isopropyl Ether (DIPE)	ND	0.5	ug/L	04/11/2005 18:50	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	04/11/2005 18:50	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	04/11/2005 18:50	
1,2-DCA	ND	0.5	ug/L	04/11/2005 18:50	
EDB	ND	0.5	ug/L	04/11/2005 18:50	
Benzene	ND	0.5	ug/L	04/11/2005 18:50	
Toluene	ND	0.5	ug/L	04/11/2005 18:50	
Ethylbenzene	ND	0.5	ug/L	04/11/2005 18:50	
Total xylenes	ND	1.0	ug/L	04/11/2005 18:50	
Ethanol	ND	50	ug/L	04/11/2005 18:50	
Surrogates(s)					
1,2-Dichloroethane-d4	97.8	73-130	%	04/11/2005 18:50	
Toluene-d8	101.8	81-114	%	04/11/2005 18:50	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/04/06-2A.64**

LCS 2005/04/06-2A.64-042 Extracted: 04/06/2005 Analyzed: 04/06/2005 18:42
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	24.5		25	98.0			65-165	20		
Benzene	25.9		25	103.6			69-129	20		
Toluene	23.6		25	94.4			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	522		500	104.4			73-130			
Toluene-d8	475		500	95.0			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/04/06-2A.69**

LCS 2005/04/06-2A.69-015 Extracted: 04/06/2005 Analyzed: 04/06/2005 19:15
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	25.4		25	101.6			65-165	20		
Benzene	23.7		25	94.8			69-129	20		
Toluene	25.0		25	100.0			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	437		500	87.4			73-130			
Toluene-d8	456		500	91.2			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/04/07-2A.64**

LCS 2005/04/07-2A.64-010 Extracted: 04/07/2005 Analyzed: 04/07/2005 18:10
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	28.1		25	112.4			65-165	20		
Benzene	25.5		25	102.0			69-129	20		
Toluene	24.1		25	96.4			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	557		500	111.4			73-130			
Toluene-d8	493		500	98.6			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/04/08-1A.64**

LCS 2005/04/08-1A.64-014 Extracted: 04/08/2005 Analyzed: 04/08/2005 08:14
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	25.3		25	101.2			65-165	20		
Benzene	25.3		25	101.2			69-129	20		
Toluene	23.5		25	94.0			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	536		500	107.2			73-130			
Toluene-d8	490		500	98.0			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/04/11-1A.68**

LCS 2005/04/11-1A.68-033 Extracted: 04/11/2005 Analyzed: 04/11/2005 18:33
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	28.6		25	114.4			65-165	20		
Benzene	26.0		25	104.0			69-129	20		
Toluene	28.5		25	114.0			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	461		500	92.2			73-130			
Toluene-d8	523		500	104.6			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/04/06-2A.64**

U-4 >> MS

Lab ID: 2005-03-0973 - 002

MS: 2005/04/06-2A.64-043 Extracted: 04/06/2005 Analyzed: 04/06/2005 20:41

Dilution: 1.00

MSD: 2005/04/06-2A.64-044 Extracted: 04/06/2005 Analyzed: 04/06/2005 21:03

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	22.9	24.0	ND	25	91.6	96.0	4.7	65-165	20		
Benzene	22.2	24.9	ND	25	88.8	99.6	11.5	69-129	20		
Toluene	21.2	21.7	ND	25	84.8	86.8	2.3	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	520	524		500	104.0	104.8		73-130			
Toluene-d8	483	464		500	96.6	92.8		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/04/06-2A.69**

U-3 >> MS

Lab ID: 2005-03-0973 - 001

MS: 2005/04/06-2A.69-024 Extracted: 04/06/2005 Analyzed: 04/06/2005 20:24

Dilution: 1.00

MSD: 2005/04/06-2A.69-043 Extracted: 04/06/2005 Analyzed: 04/06/2005 20:43

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	27.3	25.5	ND	25	109.2	102.0	6.8	65-165	20		
Benzene	24.8	21.6	ND	25	99.2	86.4	13.8	69-129	20		
Toluene	25.6	22.6	ND	25	102.4	90.4	12.4	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	450	473		500	90.0	94.6		73-130			
Toluene-d8	453	444		500	90.6	88.8		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/04/07-2A.64**

MS/MSD

Lab ID: 2005-04-0035 - 001

MS: 2005/04/07-2A.64-054 Extracted: 04/07/2005 Analyzed: 04/07/2005 21:54

Dilution: 1.00

MSD: 2005/04/07-2A.64-015 Extracted: 04/07/2005 Analyzed: 04/07/2005 22:15

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	30.1	31.7	ND	25	120.4	126.8	5.2	65-165	20		
Benzene	28.4	28.3	ND	25	113.6	113.2	0.4	69-129	20		
Toluene	25.3	27.0	ND	25	101.2	108.0	6.5	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	560	565		500	112.1	113.0		73-130			
Toluene-d8	478	484		500	95.6	96.8		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/04/08-1A.64**

MS/MSD

Lab ID: 2005-04-0017 - 001

MS: 2005/04/08-1A.64-029 Extracted: 04/08/2005 Analyzed: 04/08/2005 09:29

Dilution: 1.00

MSD: 2005/04/08-1A.64-051 Extracted: 04/08/2005 Analyzed: 04/08/2005 09:51

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	213	213	167	25	184.0	852.0	129.	65-165	20	M3	M3,R2
Benzene	25.6	26.8	1.43	25	96.7	107.2	10.3	69-129	20		
Toluene	22.2	23.7	ND	25	88.8	94.8	6.5	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	552	543		500	110.4	108.6		73-130			
Toluene-d8	489	479		500	97.8	95.8		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/04/11-1A.68**

U-6 >> MS

Lab ID: 2005-03-0973 - 004

MS: 2005/04/11-1A.68-026 Extracted: 04/11/2005

Analyzed: 04/11/2005 20:26

Dilution: 1.00

MSD: 2005/04/11-1A.68-043 Extracted: 04/11/2005

Analyzed: 04/11/2005 20:43

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	263	159	132	25	524.0	108.0	131.	65-165	20	M3	M3,R1
Benzene	30.7	24.5	ND	25	122.8	98.0	22.5	69-129	20		R1
Toluene	32.7	26.9	ND	25	130.8	107.6	19.5	70-130	20	M4	
Surrogate(s)											
1,2-Dichloroethane-d4	637	429		500	127.4	85.8		73-130			
Toluene-d8	558	523		500	111.6	104.6		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #5325

Received: 03/28/2005 17:14

Site: 3220 Lakeshore Ave., Oakland

Legend and Notes

Sample Comment

Lab ID: 2005-03-0973 -1

Siloxane peaks were found in the sample which are not believed to be gasoline related. If they were to be quantified as gasoline, the concentration would be 79 ug/L.

Lab ID: 2005-03-0973 -4

Siloxane peaks were found in the sample, which are not believed to be gasoline related. If they were to be quantified as gasoline, the concentration would be 91 ug/L

Analysis Flag

L2

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

Result Flag

M3

Sample > 4x spike concentration.

M4

MS/MSD spike recoveries were above acceptance limits. See blank spike (LCS).

Q6

The concentration reported reflect(s) individual or discrete unidentified peaks not matching a typical fuel pattern.

R1

Analyte RPD was out of QC limits.

R2

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

ConocoPhillips Chain Of Custody Record

113685

STL-San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
(925) 484-1919 (925) 484-1096 fax

2005-03-0973

ConocoPhillips Site Manager:

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

ConocoPhillips Work Order Number: [illegible] TRC501

ConocoPhillips Cost Object

DATE: 032805

PAGE: 1 of 1

Consultant:	TRC
Address:	21 Technology Drive, Irvine CA 92618
Project Contact:	Anju Farfan
Telephone:	949-341-7440
Fax:	949-753-0111
E-mail:	afarfan@trcsolutions.com
Sampler Name(s):	[illegible]
Consultant Project Number:	4103001FA20
ConocoPhillips Site Number:	6325
Global ID:	T0600101463
Site Address:	3220 Lakeshore Ave. Oakland
ConocoPhillips Site Manager:	[illegible]
EDF Deliverable To:	Peter Thomson, TRC, pthomson@trcsolutions.com
Phone:	949-341-7408

Turnaround Time (Calendar Days): ☐ 14 days ☐ 7 days ☐ 72 hours ☐ 48 hours ☐ 24 hours ☐ less than 24 hours

Hold time [illegible]

SPECIAL INSTRUCTIONS OR NOTES: ☒

- Run 8 OXYS by 8260 on all [illegible] hits

* Field Point name only required if different from Sample ID

REQUESTED ANALYSES

Sample Identification/Field Point Name*	Sampling Date	Sampling Time	Matrix	No. of Cont.	TPH by 8260B	BTEX/MTBE by 8260B	Ethanol by 8260B	Nitrate	Ferrous Iron	Field Notes
U-3	032805	0839	GW	5	X	X	X	X	X	3 VOAs w/ HCl
U-4	↓	0850	↓	↓	↓	↓	↓	↓	↓	1 500 amber poly unpres
U-1	↓	0907	↓	↓	↓	↓	↓	↓	↓	1 250 poly unpres
U-6	↓	0916	↓	↓	↓	↓	↓	↓	↓	↓
U-5	↓	0928	↓	↓	↓	↓	↓	↓	↓	↓
U-2	↓	0953	↓	↓	↓	↓	↓	↓	↓	↓

Printed analysis column headings (partly illegible): 8015m - TPHd Extractable; 8260B - TPHg/BTEX/MTBE; 8260B - TPHg/BTEX/8 Oxygenates; 8260B - TPHg/BTEX/5 Oxygenates + Methanol (8015M); 8260B - Full Scan VOCs (does not include oxygenates); 8270C - Semivolatiles; 8015M/8021B - TPHg/BTEX/MTBE; Lead CCR/TTLC/STLC

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

Temperature on receipt: 2

		Date	Time
Relinquished by (Signature): [signature]	Received by (Signature): [illegible] (courier)	032805	1126
Relinquished by (Signature): [signature]	Received by (Signature): [signature]	032805	1714
Relinquished by (Signature):	Received by (Signature):		

STATEMENTS

Purge Water Disposal

Non-hazardous groundwater produced during purging and sampling of monitoring 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 containing a significant amount of liquid-phase hydrocarbons was accumulated separately in drums 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.