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3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
916-861-0400 TEL
916-861-0430 FAX

August 17, 2004

Ms. Eva Chu
Alameda County Environmental Health Services
1131 Harbor Bay Parkway Suite 250
Alameda, CA 94502

RE: **Quarterly Summary Report-Second Quarter 2004**
SECOR Project No.: 77CP.60008.00.7004

Dear Ms. Chu:

On behalf of ConocoPhillips, SECOR International Incorporated (SECOR) is forwarding the quarterly summary report for the following location:

Service Station

76 Service Station No. 7004

Location

15599 Hesperian Blvd
San Leandro, CA

Sincerely,
SECOR International Incorporated

A handwritten signature in cursive script, appearing to read "M. Gavan Heinrich".

M. Gavan Heinrich
Associate Geologist

Attachment – Dissolved Contamination Concentration Maps April through June, 2004
(TRC, 2004)

cc: Mr. Thomas Kosel, ConocoPhillips (Bartlesville)

QUARTERLY SUMMARY REPORT Second Quarter 2004

76 Service Station No. 7004
15599 Hesperian Blvd
San Leandro, CA

City/County ID #: San Leandro

County: Alameda

PREVIOUS ASSESSMENT

The site is a former 76 Service Station which was demolished in May of 2000. At that time all subsurface tanks, piping and aboveground components were removed. The site is currently a paved parking lot within a Target department store complex, and is situated adjacent to a former auto parts store, which is currently vacant. The site is located at the northwest corner of Hesperian Boulevard and Lewelling Boulevard, in San Leandro, California.

In October, 1990, Kaprealian Engineering, Inc (Kaprealian) observed the removal of three underground storage tanks (USTs) and removal and replacement of product piping at the Site. The tanks included one [steel] 12,000-gallon super unleaded fuel tank and two [steel] 12,000-gallon regular unleaded fuel tanks. No holes or cracks were observed in the tanks. 14 confirmation soil samples were collected from the tank pit and analyzed for total petroleum hydrocarbons as gasoline (TPHg), and benzene, toluene, ethylbenzene, and xylenes (BTEX). Soil samples collected from the final tank excavation contained up to 30 milligrams per kilogram (mg/kg) TPHg and 0.054 mg/kg benzene. Toluene, ethylbenzene, and xylenes were also detected. A water sample collected from the tank pit contained 4,300 parts per billion (ppb) TPHg and 40 ppb benzene. Samples collected from the final pipeline trenches contained up to 20 mg/kg TPHg and 0.057 mg/kg benzene, as well as toluene, ethylbenzene, and xylenes.

In April and June, 1991 KEI supervised the installation of six 2-inch diameter monitoring wells (MW1 through MW6). All wells were completed to 25 to 26 feet below ground surface (bgs). Select soil samples and grab groundwater samples from each well were analyzed for TPHg and BTEX. Soil samples contained up to 4,800 parts per million (ppm) TPHg and 23 ppm benzene (17.5 feet bgs in MW3). Toluene, ethylbenzene, and xylenes were also detected. Post development groundwater samples from these wells contained up to 34,000 ppb TPHg and 6,100 ppb benzene (MW3).

In May, 1992 KEI conducted an Aquifer test at the site utilizing well RW-1 for extraction and MW-2, MW3, MW4, and MW5 for observation. Aquifer parameters determined from the test (via the Theis method) for RW1 were as follows:

- Transmissivity (confined): 35 ft²/day
- Storativity (confined): 6.3E⁻⁶
- Conductivity (confined): 0.3 ft/day

In May, 2000, Gettler-Ryan observed the removal of two 12,000-gallon, double-walled glasteel USTs and fiberglass product piping and dispensers at the Site. At this time all Station-related structures were also demolished and removed. Four soil samples were collected from the tank pit excavation, and four were collected from the pipeline trenches. The samples were analyzed for

TPHg, BTEX and methyl tertiary butyl ether (MtBE). Tank pit samples contained up to 350 ppm TPHg, 4.8 ppm ethylbenzene, and 0.81 ppm xylenes, but were non-detectable for benzene and MtBE. Pipeline trench samples were non-detectable for all analytes.

SENSITIVE RECEPTORS

In 2001 GR performed a ½ mile radius well survey for the Site. The survey identified three domestic water supply wells located within 2,500 feet of the Site. One of the wells was located 2,275 feet from the site in the upgradient direction. Two of the wells were located within 2,300 feet of the Site in the downgradient direction.

MONITORING AND SAMPLING

The Site has been monitored and sampled since 2nd quarter, 1991. Between 1991 and 1995, Monitoring was conducted quarterly. Between 1996 and 2001 the Site was monitored semiannually. From January, 2002 to July, 2003 the Site was monitored monthly. Currently, seven well (MW-1 through MW-6 and RW-1) are sampled quarterly. Samples are analyzed for total petroleum hydrocarbons (TPPH), BTEX, and fuel oxygenates.

REMEDIAL STATUS

Oxygen releasing compound was placed in MW-5 in 1999. Oxygen releasing compound (360 pounds) was also placed in the bottom of the UST pit during 2000 tank removal in 2000. There is no current active remediation.

CHARACTERIZATION STATUS

Contamination in soil has been adequately delineated. Samples collected the initial tank and line replacement in 1990 and during demolition and closure of the service station in 2000 indicate that contamination in soil is limited to small areas adjacent to the west and north sides of the former UST pit. Contamination in groundwater has been partially delineated. 4th quarter, 2003 groundwater monitoring data indicate dissolved contamination is localized in the vicinity of MW-3. This contamination is delineated to the north, east, and south, but is not fully delineated in the downgradient direction (southwest).

RECENT SUBMITTALS/CORRESPONDENCE

April 9, 2003 – Letter to Alameda County Health Care Services (Gettler-Ryan): requested reduction of sampling frequency from quarterly to semiannually.

THIS QUARTER ACTIVITIES (Second Quarter 2004)

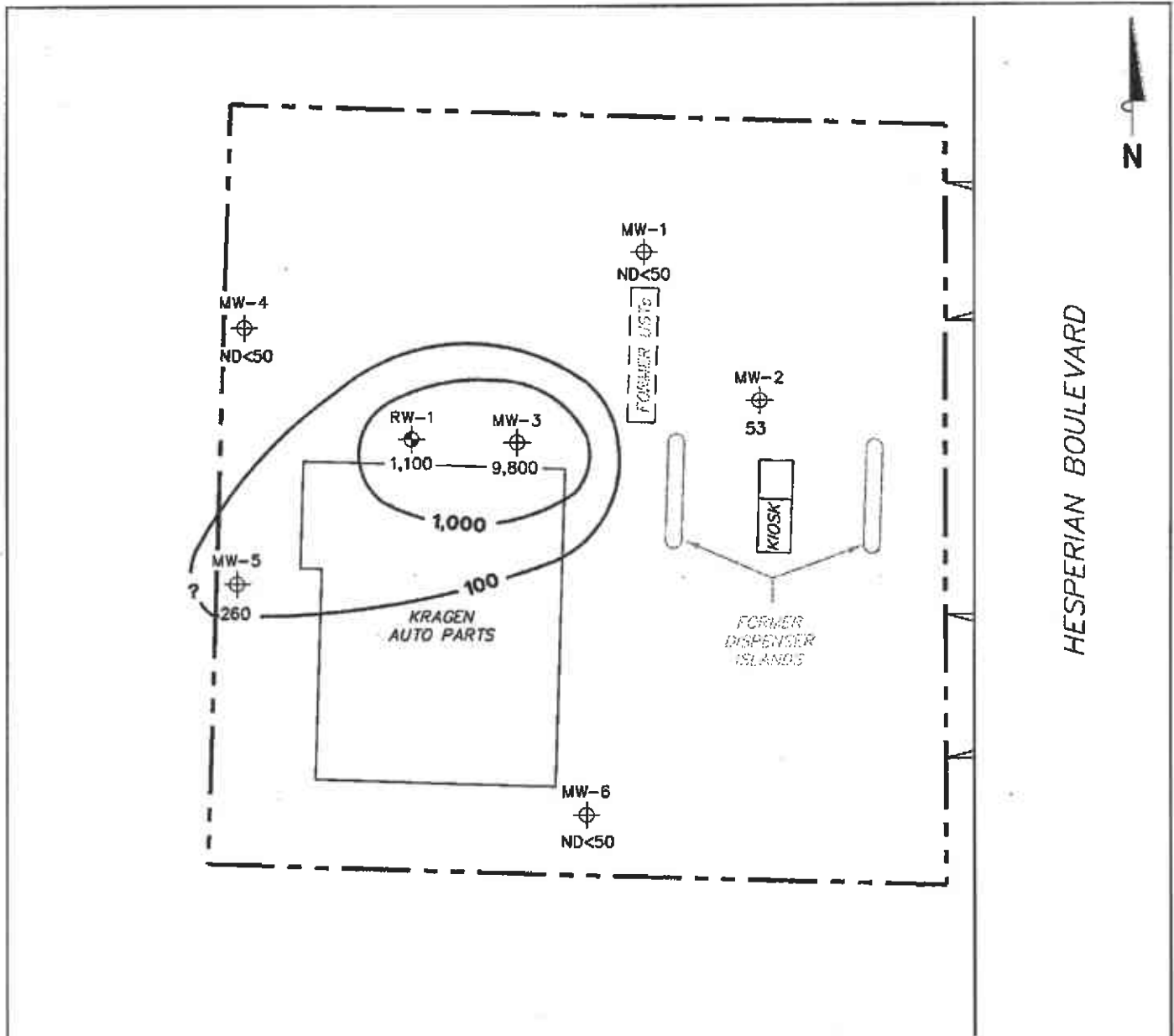
1. TRC conducted quarterly groundwater monitoring and sampling event.

NEXT QUARTER ACTIVITIES (Third Quarter 2004)

1. Perform quarterly groundwater monitoring and sampling event.
2. Prepare and submit work plan for off-Site delineation.

CONSULTANT: SECOR International Incorporated

ATTACHMENT
DISSOLVED CONTAMINATION CONCENTRATION MAPS
APIRL THROUGH JUNE 2004 (TRC)
76 Service Station No. 7004
15599 Hesperian Blvd
San Leandro, California
SECOR Project No.: 77CP.60008.00.7004
August 17, 2004



NOTES:

Contour lines are interpretive and based on fluid levels measured in monitoring wells. TPPH = total purgeable petroleum hydrocarbons. $\mu\text{g/l}$ = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. Results obtained using EPA Method 8260B.

LEGEND

- MW-6 Monitoring Well with Dissolved-Phase TPPH Concentration ($\mu\text{g/l}$)
- RW-1 Aquifer testing well
- 1,000 Dissolved-Phase TPPH Contour ($\mu\text{g/l}$)

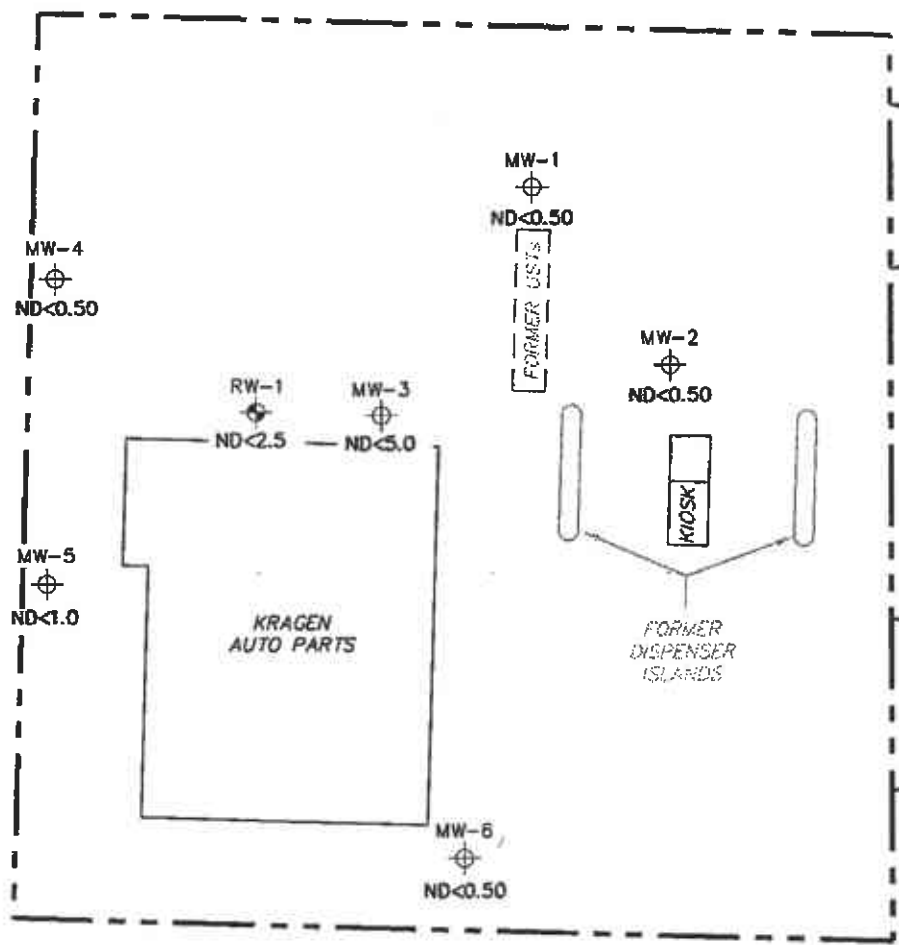
DISSOLVED-PHASE TPPH CONCENTRATION MAP
April 26, 2004

Former 76 Station 7004
 15599 Hesperian Boulevard
 San Leandro, California



FIGURE 3



PS=1:17004-003



NOTES:

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

LEGEND

- MW-6  Monitoring Well with Dissolved-Phase Benzene Concentration (µg/l)
- RW-1  Aquifer testing well

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
April 26, 2004

Former 76 Station 7004
 15599 Hesperian Boulevard
 San Leandro, California

TRC

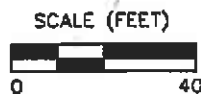
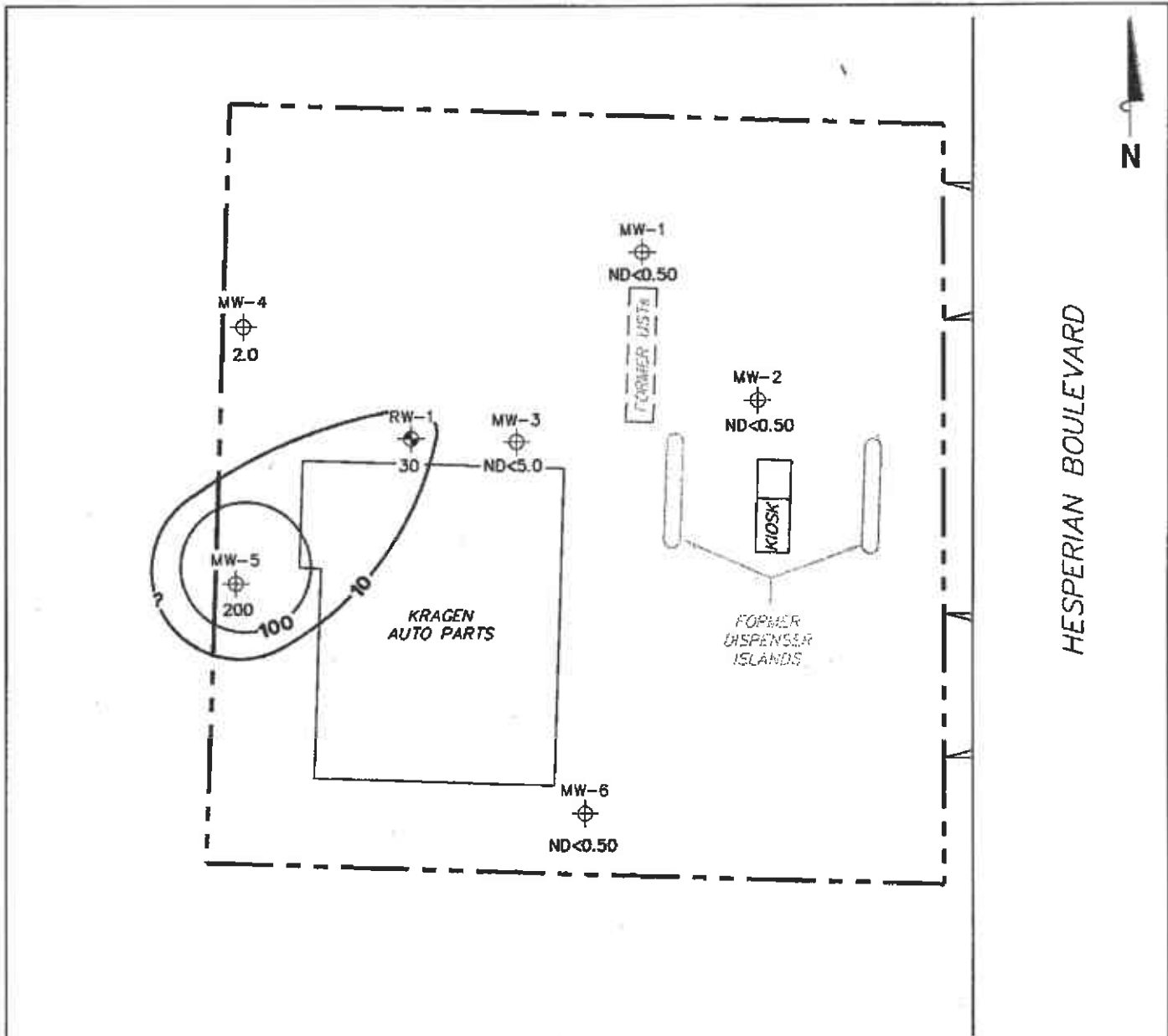


FIGURE 4

PS=1:17004-003



HESPERIAN BOULEVARD

NOTES:

Contour lines are interpretive and based on fluid levels measured in monitoring wells. MTBE = methyl tertiary butyl ether. $\mu\text{g/l}$ = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. Results obtained using EPA Method 8260B.

LEGEND

- MW-6 Monitoring Well with Dissolved-Phase MTBE Concentration ($\mu\text{g/l}$)
- RW-1 Aquifer testing well
- 100 Dissolved-Phase MTBE Contour ($\mu\text{g/l}$)

DISSOLVED-PHASE MTBE CONCENTRATION MAP
April 26, 2004

Former 76 Station 7004
 15599 Hesperian Boulevard
 San Leandro, California

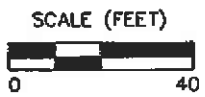


FIGURE 5

PS=1:17004-003

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TRC
Customer-Focused Solutions

May 20, 2004

ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

ATTN: MR. THOMAS KOSEL

SITE: FORMER 76 STATION 7004
15599 HESPERIAN BOULEVARD
SAN LEANDRO, CALIFORNIA

RE: QUARTERLY MONITORING REPORT
APRIL THROUGH JUNE 2004

Dear Mr. Kosel:

Please find enclosed our Quarterly Monitoring Report for Former 76 Station 7004, located at 15599 Hesperian Boulevard, San Leandro, California. If you have any questions regarding this report, please call us at (949) 753-0101.

Sincerely,

TRC



Anju Farfan
QMS Operations Manager

CC: Ms. Eva Chu, Alameda County Health Care Service Division
Mr. Michael Bakaldin, City of San Leandro Fire Department
Mr. Gavan Heinrich, SECOR International Inc.

Enclosures
7004R03.QMS



Customer-Focused Solutions

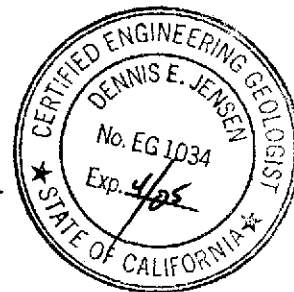
**QUARTERLY MONITORING REPORT
APRIL THROUGH JUNE 2004**

FORMER 76 STATION 7004
15599 Hesperian Boulevard
San Leandro, California

Prepared For:

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

By:



Senior Project Geologist, Irvine Operations
May 20, 2004

QUARTERLY MONITORING REPORT

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

**Summary of Gauging and Sampling Activities
 April 2004 through June 2004
 Former 76 Station 7004
 15599 Hesperian Boulevard
 San Leandro, CA**

Site Information:

Site:	Former 76 Station 15599 Hesperian Boulevard San Leandro, CA
Project Coordinator/Phone Number:	Thomas Kosel/916-558-7666
Groundwater wells onsite:	7
Groundwater wells offsite:	0

Field Activity:

Sampling consultant:	TRC
Date(s) sampled:	04/26/04
Groundwater wells gauged:	7
Groundwater wells sampled:	7
Purging method:	diaphragm pump
Treatment/disposal method during sampling event:	Onyx/Rodeo Unit 100
Free product pumpouts other than sampling event:	No
Treatment/Disposal method during free product pumpouts:	N/A

Site Hydrogeology:

Minimum depth to groundwater (feet bgs):	11.99
Maximum depth to groundwater (feet bgs):	13.64
Average groundwater elevation (feet relative to mean sea level):	23.53
Average change in groundwater elevations since previous event (feet):	0.45
Groundwater gradient and flow direction:	0.004 ft/ft, southwest
Previous gradient and/or flow direction (and date):	0.004 ft/ft, southwest (01/30/04)

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

Wells with benzene concentrations below MCL:	7
Wells with benzene concentrations at or above MCL:	0
Minimum benzene concentration (µg/l):	ND
Maximum benzene concentration (µg/l):	ND
Minimum MTBE concentration (µg/l):	ND
Maximum MTBE concentration (µg/l):	200
Minimum TPPH concentration (µg/l):	ND
Maximum TPPH concentration (µg/l):	9800 (MW-3)
Groundwater wells with free product:	0
Minimum free product thickness (feet):	0
Maximum free product thickness (feet):	0

Additional Information:

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

TABLES

TABLE KEY

ABBREVIATIONS / SYMBOLS

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

NOTES

Elevations are in feet above mean sea level.

Groundwater elevation for wells with LPH is calculated as follows:

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

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

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

REFERENCE

TRC began groundwater monitoring and sampling activities in October 2003. Historical data Former 76 Station 7004 was provided by Gettler-Ryan Inc., Dublin, California, in an excel table received in September 2003.

Table 1
SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
April 26, 2004
Former 76 Station 7004

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
MW-1		(Screen Interval in feet: 10.0-25.0)												
04/26/04	36.39	12.68	0.00	23.71	0.46	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-2		(Screen Interval in feet: 10.0-25.0)												
04/26/04	37.07	13.31	0.00	23.76	0.47	--	53	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-3		(Screen Interval in feet: 10.0-25.0)												
04/26/04	36.79	13.23	0.00	23.56	0.47	--	9800	ND<5.0	ND<5.0	470	ND<10	--	ND<5.0	
MW-4		(Screen Interval in feet: 10.0-26.0)												
04/26/04	35.44	11.99	0.00	23.45	0.43	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.0	
MW-5		(Screen Interval in feet: 10.0-26.0)												
04/26/04	36.81	13.60	0.00	23.21	0.45	--	260	ND<1.0	ND<1.0	ND<1.0	ND<2.0	--	200	
MW-6		(Screen Interval in feet: 10.0-26.0)												
04/26/04	37.13	13.64	0.00	23.49	0.41	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
RW-1		(Screen Interval in feet: 12.5-27.5)												
04/26/04	--	13.03	0.00	--	--	--	1100	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	30	

Table 2
HISTORIC GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
May 1991 Through April 2004
Former 76 Station 7004

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
MW-1 (Screen Interval in feet: 10.0-25.0)														
05/04/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
07/23/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
10/14/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
01/14/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
04/14/92	--	--	--	--	--	76	--	ND	ND	ND	ND	--	--	
07/09/92	--	--	--	--	--	70	--	ND	ND	ND	ND	130	--	
10/28/92	--	--	--	--	--	--	--	--	--	--	--	--	--	
01/21/93	--	--	--	--	--	ND	--	ND	ND	ND	ND	42	--	
04/20/93	36.89	14.89	0.00	22.00	--	--	--	--	--	--	--	56	--	
07/22/93	36.89	14.34	0.00	22.55	0.55	ND	--	ND	ND	ND	ND	77	--	
10/06/93	36.39	14.87	0.00	21.52	-1.03	--	--	--	--	--	--	--	--	
01/11/94	36.39	15.14	0.00	21.25	-0.27	ND	--	ND	ND	ND	ND	--	--	
04/06/94	36.39	14.19	0.00	22.20	0.95	--	--	--	--	--	--	--	--	
07/08/94	36.39	14.66	0.00	21.73	-0.47	ND	--	ND	ND	ND	ND	--	--	
10/06/94	36.39	16.71	0.00	19.68	-2.05	--	--	--	--	--	--	--	--	
01/05/95	36.39	14.68	0.00	21.71	2.03	ND	--	ND	ND	ND	ND	--	--	
04/05/95	36.39	11.76	0.00	24.63	2.92	--	--	--	--	--	--	--	--	
07/14/95	36.39	12.93	0.00	23.46	-1.17	ND	--	0.65	2.2	ND	2.3	--	--	
10/12/95	36.39	14.29	0.00	22.10	-1.36	--	--	--	--	--	--	--	--	
01/08/96	36.39	14.18	0.00	22.21	0.11	ND	--	ND	ND	ND	ND	--	--	
07/08/96	36.39	12.74	0.00	23.65	1.44	ND	--	ND	ND	ND	ND	ND	--	
01/03/97	36.39	12.89	0.00	23.50	--	87	--	ND	ND	ND	ND	ND	--	
07/02/97	36.39	13.66	0.00	22.73	-0.77	ND	--	ND	ND	ND	ND	ND	--	
01/15/98	36.39	13.08	0.00	23.31	0.58	ND	--	ND	ND	ND	ND	ND	--	
07/08/98	36.39	11.25	0.00	25.14	1.83	ND	--	ND	ND	ND	ND	ND	--	

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)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-1 continued														
01/11/99	36.39	13.68	0.00	22.71	-2.43	51	--	ND	ND	ND	ND	4.8	--	
07/07/99	36.39	12.15	0.00	24.24	1.53	ND	--	ND	ND	ND	ND	ND	--	
01/04/00	36.39	13.95	0.00	22.44	-1.80	ND	--	ND	ND	ND	ND	ND	--	
07/15/00	36.39	13.46	0.00	22.93	0.49	ND	--	ND	0.86	ND	ND	ND	--	
01/19/01	36.39	12.96	0.00	23.43	--	ND	--	ND	ND	ND	ND	ND	--	
07/31/01	36.39	14.36	0.00	22.03	-1.40	ND	--	ND	ND	ND	ND	ND	--	
01/28/02	36.39	12.89	0.00	23.50	1.47	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
04/22/02	36.39	12.86	0.00	23.53	0.03	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
05/24/02	36.39	13.16	0.00	23.23	-0.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<0.50	
06/21/02	36.39	13.52	0.00	22.87	-0.36	--	76	ND<0.50	ND<0.50	ND<0.50	ND<1	--	0.59	
07/29/02	36.39	13.76	0.00	22.63	-0.24	--	54	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
08/29/02	36.39	14.10	0.00	22.29	-0.34	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
09/14/02	36.39	14.18	0.00	22.21	-0.08	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
10/25/02	36.39	14.63	0.00	21.76	-0.45	--	ND<50	0.91	ND<0.50	ND<0.50	ND<1	--	ND<2	
11/27/02	36.39	14.34	0.00	22.05	0.29	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
12/19/02	36.39	13.60	0.00	22.79	0.74	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
01/24/03	36.39	12.03	0.00	24.36	1.57	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
02/15/03	36.39	12.42	0.00	23.97	-0.39	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
03/17/03	36.39	12.54	0.00	23.85	-0.12	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
04/18/03	36.39	12.43	0.00	23.96	0.11	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
05/19/03	36.39	12.38	0.00	24.01	0.05	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
06/16/03	36.39	13.02	0.00	23.37	-0.64	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
07/18/03	36.39	13.66	0.00	22.73	-0.64	--	56	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
10/01/03	36.39	14.47	0.00	21.92	-0.81	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
01/30/04	36.39	13.14	0.00	23.25	1.33	--	120	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
04/26/04	36.39	12.68	0.00	23.71	0.46	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-2 (Screen Interval in feet: 10.0-25.0)														
05/04/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
07/23/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	

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
MW-2 continued														
10/14/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
01/14/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
04/14/92	--	--	--	--	--	45	--	ND	ND	ND	ND	--	--	
07/09/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	49	--	
10/28/92	--	--	--	--	--	--	--	--	--	--	--	--	--	
01/21/93	--	--	--	--	--	ND	--	ND	ND	ND	ND	17	--	
04/20/93	37.35	15.20	0.00	22.15	--	--	--	--	--	--	--	80	--	
07/22/93	37.35	14.75	0.00	22.60	0.45	62	--	ND	ND	ND	ND	42	--	
10/06/93	37.07	15.49	0.00	21.58	-1.02	--	--	--	--	--	--	--	--	
01/11/94	37.07	15.77	0.00	21.30	-0.28	120	--	ND	ND	ND	ND	--	--	
04/06/94	37.07	14.83	0.00	22.24	0.94	--	--	--	--	--	--	--	--	
07/08/94	37.07	15.28	0.00	21.79	-0.45	140	--	ND	ND	ND	ND	--	--	
10/06/94	37.07	16.32	0.00	20.75	-1.04	--	--	--	--	--	--	--	--	
01/05/95	37.07	15.30	0.00	21.77	1.02	310	--	ND	ND	ND	ND	--	--	
04/05/95	37.07	12.12	0.00	24.95	3.18	--	--	--	--	--	--	--	--	
07/14/95	37.07	13.55	0.00	23.52	-1.43	86	--	ND	ND	ND	ND	--	--	
10/12/95	37.07	14.88	0.00	22.19	-1.33	--	--	--	--	--	--	--	--	
01/08/96	37.07	14.81	0.00	22.26	0.07	91	--	ND	ND	ND	ND	--	--	
07/08/96	37.07	13.37	0.00	23.70	1.44	100	--	ND	ND	ND	ND	ND	--	
01/03/97	37.07	13.14	0.00	23.93	--	160	--	ND	ND	ND	ND	ND	--	
07/02/97	37.07	14.26	0.00	22.81	-1.12	91	--	ND	ND	ND	ND	ND	--	
01/15/98	37.07	13.31	0.00	23.76	0.95	ND	--	ND	ND	ND	ND	ND	--	
07/08/98	37.07	11.57	0.00	25.50	1.74	ND	--	ND	ND	ND	ND	ND	--	
01/11/99	37.07	14.26	0.00	22.81	-2.69	ND	--	ND	ND	ND	ND	9.8	--	
07/07/99	37.07	12.24	0.00	24.83	2.02	ND	--	ND	ND	ND	ND	9.4	--	
01/04/00	37.07	14.14	0.00	22.93	-1.90	ND	--	ND	0.518	ND	ND	9.1	--	
07/15/00	37.07	13.75	0.00	23.32	0.39	ND	--	ND	0.51	ND	ND	6.0	--	
01/19/01	37.07	13.37	0.00	23.70	--	ND	--	ND	ND	ND	ND	6.8	--	
07/31/01	37.07	14.96	0.00	22.11	-1.59	ND	--	ND	ND	ND	ND	ND	--	

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
MW-2 continued														
01/28/02	37.07	13.51	0.00	23.56	1.45	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
04/22/02	37.07	13.48	0.00	23.59	0.03	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
05/24/02	37.07	13.78	0.00	23.29	-0.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<0.50	
06/21/02	37.07	14.11	0.00	22.96	-0.33	--	100	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<0.50	
07/29/02	37.07	14.36	0.00	22.71	-0.25	--	60	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
08/29/02	37.07	14.71	0.00	22.36	-0.35	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
09/14/02	37.07	14.81	0.00	22.26	-0.10	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
10/25/02	37.07	15.23	0.00	21.84	-0.42	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
11/27/02	37.07	14.95	0.00	22.12	0.28	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
12/19/02	37.07	14.10	0.00	22.97	0.85	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
01/24/03	37.07	12.64	0.00	24.43	1.46	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
02/15/03	37.07	13.06	0.00	24.01	-0.42	--	64	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
03/17/03	37.07	13.18	0.00	23.89	-0.12	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
04/18/03	37.07	13.06	0.00	24.01	0.12	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
05/19/03	37.07	13.07	0.00	24.00	-0.01	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
06/16/03	37.07	13.72	0.00	23.35	-0.65	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
07/18/03	37.07	14.35	0.00	22.72	-0.63	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
10/01/03	37.07	15.10	0.00	21.97	-0.75	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
01/30/04	37.07	13.78	0.00	23.29	1.32	--	130	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
04/26/04	37.07	13.31	0.00	23.76	0.47	--	53	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-3 (Screen Interval in feet: 10.0-25.0)														
05/04/91	--	--	--	--	--	34000	--	6100	32	1200	6100	--	--	
07/23/91	--	--	--	--	--	17000	--	5500	26	1800	2800	--	--	
10/14/91	--	--	--	--	--	25000	--	6300	78	2000	1400	--	--	
01/14/92	--	--	--	--	--	13000	--	6600	19	2600	1800	--	--	
04/14/92	--	--	--	--	--	16000	--	3400	19	1400	1300	--	--	
07/09/92	--	--	--	--	--	13000	--	3200	12	1900	1100	--	--	
10/28/92	--	--	--	--	--	15000	--	4400	15	2400	800	--	--	
01/21/93	--	--	--	--	--	12000	--	2800	11	1600	590	--	--	

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)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-3	continued													
04/20/93	37.22	15.13	0.00	22.09	--	18000	--	3700	11	2300	1300	410	--	
07/22/93	37.22	13.52	0.00	23.70	1.61	16000	--	4500	17	3600	1900	440	--	
10/06/93	36.79	15.41	0.00	21.38	-2.32	24000	--	4100	ND	3600	2000	ND	--	
01/11/94	36.79	15.66	0.00	21.13	-0.25	19000	--	3300	31	3300	890	--	--	
04/06/94	36.79	14.72	0.00	22.07	0.94	24000	--	3100	ND	3300	820	--	--	
07/08/94	36.79	15.20	0.00	21.59	-0.48	18000	--	2200	25	2500	860	--	--	
10/06/94	36.79	16.23	0.00	20.56	-1.03	20000	--	2100	26	3000	900	--	--	
01/05/95	36.79	15.12	0.00	21.67	1.11	20000	--	2100	ND	3200	3800	--	--	
04/05/95	36.79	12.03	0.00	24.76	3.09	18000	--	2100	ND	3700	690	--	--	
07/14/95	36.79	13.46	0.00	23.33	-1.43	21000	--	1600	ND	3900	1500	--	--	
10/12/95	36.79	14.81	0.00	21.98	-1.35	17000	--	1000	ND	3600	1000	--	--	
01/08/96	36.79	14.70	0.00	22.09	0.11	14000	--	760	ND	3100	380	--	--	
07/08/96	36.79	13.29	0.00	23.50	1.41	16000	--	470	45	4400	1000	340	--	
01/03/97	36.79	13.09	0.00	23.70	--	14000	--	160	ND	2100	120	620	--	
07/02/97	36.79	13.96	0.00	22.83	-0.87	23000	--	110	ND	3600	1600	1200	--	
01/15/98	36.79	13.26	0.00	23.53	0.70	12000	--	33	ND	2800	120	1100	--	
07/08/98	36.79	11.64	0.00	25.15	1.62	20000	--	76	ND	4100	1400	750	--	
01/11/99	36.79	14.17	0.00	22.62	-2.53	23000	--	ND	ND	4100	460	920	--	
07/07/99	36.79	13.18	0.00	23.61	0.99	15000	--	35	ND	3400	470	1700	--	
01/04/00	36.79	14.27	0.00	22.52	-1.09	15500	--	ND	ND	3330	191	827	--	
07/15/00	36.79	13.91	0.00	22.88	0.36	15000	--	ND	ND	3400	420	3300	--	
08/25/00	36.79	14.24	0.00	22.55	-0.33	--	--	--	--	--	--	1920	--	
01/19/01	36.79	13.42	0.00	23.37	0.82	11100	--	38.4	ND	1760	38.8	ND	--	
07/31/01	36.79	14.90	0.00	21.89	-1.48	13000	--	ND	ND	1600	63	ND	--	
01/28/02	36.79	13.41	0.00	23.38	1.49	82	--	ND<0.50	ND<0.50	10	ND<0.50	ND<2.5	--	
04/22/02	36.79	13.41	0.00	23.38	0.00	7300	--	39	ND<25	970	ND<25	ND<120	--	
05/24/02	36.79	13.69	0.00	23.10	-0.28	--	8500	ND<5	ND<5	1200	ND<10	--	12	
06/21/02	36.79	14.04	0.00	22.75	-0.35	--	11000	ND<5	ND<5	690	ND<10	--	17	
07/29/02	36.79	14.28	0.00	22.51	-0.24	--	6800	ND<5	ND<5	1100	ND<10	--	ND<20	

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
MW-3 continued														
08/29/02	36.79	14.62	0.00	22.17	-0.34	--	7200	ND<25	ND<25	1200	ND<50	--	ND<100	
09/14/02	36.79	14.72	0.00	22.07	-0.10	--	180	ND<0.50	ND<0.50	20	ND<1	--	ND<2	
10/25/02	36.79	15.13	0.00	21.66	-0.41	--	1000	ND<0.50	ND<0.50	110	ND<1	--	ND<2	
11/27/02	36.79	14.85	0.00	21.94	0.28	--	7600	ND<10	ND<10	1200	ND<20	--	ND<40	
12/19/02	36.79	13.83	0.00	22.96	1.02	--	6400	ND<10	ND<10	810	ND<20	--	ND<40	
01/24/03	36.79	12.52	0.00	24.27	1.31	--	6600	ND<25	ND<25	930	ND<50	--	ND<100	
02/15/03	36.79	12.96	0.00	23.83	-0.44	--	8400	ND<10	ND<10	970	ND<20	--	ND<40	
03/17/03	36.79	13.08	0.00	23.71	-0.12	--	7900	ND<5	ND<5	1100	ND<10	--	ND<20	
04/18/03	36.79	12.95	0.00	23.84	0.13	--	6700	ND<5	ND<5	1100	ND<10	--	ND<20	
05/19/03	36.79	13.10	0.00	23.69	-0.15	--	8700	ND<5	ND<5	1100	ND<10	--	ND<20	
06/16/03	36.79	13.75	0.00	23.04	-0.65	--	7700	ND<10	ND<10	1000	ND<20	--	ND<40	
07/18/03	36.79	14.43	0.00	22.36	-0.68	--	11000	ND<10	ND<10	1800	1300	--	ND<40	
10/01/03	36.79	15.12	0.00	21.67	-0.69	--	9000	ND<10	ND<10	820	ND<20	--	ND<10	
01/30/04	36.79	13.70	0.00	23.09	1.42	--	7800	ND<5.0	ND<5.0	670	ND<10	--	ND<20	
04/26/04	36.79	13.23	0.00	23.56	0.47	--	9800	ND<5.0	ND<5.0	470	ND<10	--	ND<5.0	
MW-4 (Screen Interval in feet: 10.0-26.0)														
07/23/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
10/14/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
01/14/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
04/14/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
07/09/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
10/28/92	--	--	--	--	--	--	--	--	--	--	--	--	--	
01/21/93	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
04/20/93	35.81	13.84	0.00	21.97	--	--	--	--	--	--	--	65	--	
07/22/93	35.81	13.52	0.00	22.29	0.32	ND	--	ND	ND	ND	ND	54	--	
10/06/93	35.44	14.17	0.00	21.27	-1.02	--	--	--	--	--	--	--	--	
01/11/94	35.44	14.42	0.00	21.02	-0.25	ND	--	ND	ND	ND	ND	--	--	
04/06/94	35.44	13.44	0.00	22.00	0.98	--	--	--	--	--	--	--	--	
07/08/94	35.44	13.96	0.00	21.48	-0.52	ND	--	ND	ND	ND	ND	--	--	

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)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-4 continued														
10/06/94	35.44	15.00	0.00	20.44	-1.04	--	--	--	--	--	--	--	--	
01/05/95	35.44	13.83	0.00	21.61	1.17	ND	--	ND	ND	ND	ND	--	--	
04/05/95	35.44	11.05	0.00	24.39	2.78	--	--	--	--	--	--	--	--	
07/14/95	35.44	12.23	0.00	23.21	-1.18	ND	--	ND	ND	ND	ND	--	--	
10/12/95	35.44	13.59	0.00	21.85	-1.36	--	--	--	--	--	--	--	--	
01/08/96	35.44	13.43	0.00	22.01	0.16	ND	--	ND	ND	ND	ND	--	--	
07/08/96	35.44	12.04	0.00	23.40	1.39	ND	--	ND	ND	ND	ND	ND	--	
01/03/97	35.44	12.38	0.00	23.06	--	80	--	ND	ND	ND	ND	ND	--	
07/02/97	35.44	13.00	0.00	22.44	-0.62	ND	--	ND	ND	ND	ND	25	--	
01/15/98	35.44	12.50	0.00	22.94	0.50	ND	--	ND	ND	ND	ND	ND	--	
07/08/98	35.44	10.53	0.00	24.91	1.97	ND	--	ND	ND	ND	ND	25	--	
01/11/99	35.44	12.95	0.00	22.49	-2.42	ND	--	ND	ND	ND	ND	23	--	
07/07/99	35.44	11.76	0.00	23.68	1.19	ND	--	ND	ND	ND	ND	15	--	
01/04/00	35.44	13.17	0.00	22.27	-1.41	ND	--	ND	ND	ND	ND	13.2	--	
07/15/00	35.44	13.04	0.00	22.40	0.13	ND	--	ND	ND	ND	ND	11	--	
01/19/01	35.44	12.65	0.00	22.79	--	ND	--	ND	ND	ND	ND	9.97	--	
07/31/01	35.44	13.69	0.00	21.75	-1.04	ND	--	ND	ND	ND	ND	6.0	--	
01/28/02	35.44	12.17	0.00	23.27	1.52	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	13	--	
04/22/02	35.44	12.18	0.00	23.26	-0.01	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.7	--	
05/24/02	35.44	12.45	0.00	22.99	-0.27	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	2.9	
06/21/02	35.44	12.48	0.00	22.96	-0.03	--	54	ND<0.50	ND<0.50	ND<0.50	ND<1	--	3.6	
07/29/02	35.44	13.08	0.00	22.36	-0.60	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	5.7	
08/29/02	35.44	13.39	0.00	22.05	-0.31	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	8.5	
09/14/02	35.44	13.49	0.00	21.95	-0.10	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	4.8	
10/25/02	35.44	13.93	0.00	21.51	-0.44	--	ND<50	0.82	ND<0.50	ND<0.50	ND<1	--	7.1	
11/27/02	35.44	13.62	0.00	21.82	0.31	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	7.3	
12/19/02	35.44	12.56	0.00	22.88	1.06	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	8.1	
01/24/03	35.44	11.26	0.00	24.18	1.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	8.4	
02/15/03	35.44	11.71	0.00	23.73	-0.45	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	6.2	

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
MW-4 continued														
03/17/03	35.44	11.82	0.00	23.62	-0.11	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	7.3	
04/18/03	35.44	11.70	0.00	23.74	0.12	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	6.2	
05/19/03	35.44	11.74	0.00	23.70	-0.04	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	3.2	
06/16/03	35.44	12.35	0.00	23.09	-0.61	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	4.3	
07/18/03	35.44	13.06	0.00	22.38	-0.71	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
10/01/03	35.44	13.81	0.00	21.63	-0.75	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.89	
01/30/04	35.44	12.42	0.00	23.02	1.39	--	55	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.2	
04/26/04	35.44	11.99	0.00	23.45	0.43	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.0	
MW-5 (Screen Interval in feet: 10.0-26.0)														
07/23/91	--	--	--	--	--	260	--	1.2	0.39	10	0.71	--	--	
10/14/91	--	--	--	--	--	140	--	0.72	ND	1.3	0.89	--	--	
01/14/92	--	--	--	--	--	60	--	ND	ND	ND	ND	--	--	
04/14/92	--	--	--	--	--	86	--	ND	ND	ND	ND	--	--	
07/09/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	71	--	
10/28/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	45	--	
01/21/93	--	--	--	--	--	100	--	ND	ND	ND	ND	160	--	
04/20/93	37.01	14.87	0.00	22.14	--	99	--	ND	ND	ND	ND	120	--	
07/22/93	37.01	14.82	0.00	22.19	0.05	59	--	ND	ND	2.6	ND	42	--	
10/06/93	36.81	15.61	0.00	21.20	-0.99	150	--	1.1	ND	3.1	0.85	57	--	
01/11/94	36.81	15.84	0.00	20.97	-0.23	160	--	ND	0.79	0.54	ND	--	--	
04/06/94	36.81	14.90	0.00	21.91	0.94	260	--	1.4	ND	0.88	ND	--	--	
07/08/94	36.81	15.38	0.00	21.43	-0.48	200	--	ND	ND	ND	ND	--	--	
10/06/94	36.81	16.42	0.00	20.39	-1.04	350	--	1.3	ND	ND	ND	--	--	
01/05/95	36.81	15.20	0.00	21.61	1.22	85	--	ND	ND	ND	ND	--	--	
04/05/95	36.81	11.72	0.00	25.09	3.48	ND	--	ND	ND	ND	ND	--	--	
07/14/95	36.81	13.69	0.00	23.12	-1.97	180	--	1.3	ND	7.9	ND	--	--	
10/12/95	36.81	15.02	0.00	21.79	-1.33	310	--	ND	ND	31	1.2	--	--	
01/08/96	36.81	14.85	0.00	21.96	0.17	ND	--	0.55	ND	ND	0.58	--	--	
07/08/96	36.81	13.52	0.00	23.29	1.33	140	--	2.1	1.4	5.6	0.51	110	--	

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
MW-5	continued													
07/12/96	36.81	14.50	0.00	22.31	-0.98	--	--	--	--	--	--	--	--	
01/03/97	36.81	12.85	0.00	23.96	1.65	12000	--	150	ND	2100	120	660	--	
07/02/97	36.81	13.79	0.00	23.02	-0.94	ND	--	ND	ND	ND	ND	72	--	
01/15/98	36.81	13.03	0.00	23.78	0.76	69	--	ND	ND	ND	ND	--	--	
07/08/98	36.81	12.05	0.00	24.76	0.98	ND	--	0.74	ND	ND	ND	95	--	
01/11/99	36.81	14.41	0.00	22.40	-2.36	ND	--	1.0	ND	ND	ND	170	--	
07/07/99	36.81	12.38	0.00	24.43	2.03	130	--	0.64	ND	ND	ND	330	--	
01/04/00	36.81	14.33	0.00	22.48	-1.95	ND	--	ND	ND	ND	ND	183	--	
07/15/00	36.81	13.88	0.00	22.93	0.45	ND	--	0.68	ND	ND	ND	350	--	
01/19/01	36.81	13.41	0.00	23.40	--	ND	--	ND	ND	ND	ND	195	--	
07/31/01	36.81	15.12	0.00	21.69	-1.71	ND	--	ND	ND	ND	ND	190	--	
01/28/02	36.81	13.59	0.00	23.22	1.53	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	97	--	
04/22/02	36.81	13.61	0.00	23.20	-0.02	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	160	--	
05/24/02	36.81	13.89	0.00	22.92	-0.28	--	89	ND<0.50	ND<0.50	ND<0.50	ND<1	--	180	
06/21/02	36.81	14.22	0.00	22.59	-0.33	--	190	ND<0.50	ND<0.50	ND<0.50	ND<1	--	85	
07/29/02	36.81	14.48	0.00	22.33	-0.26	--	120	ND<0.50	ND<0.50	ND<0.50	ND<1	--	76	
08/29/02	36.81	14.80	0.00	22.01	-0.32	--	ND<500	ND<5	ND<5	ND<5	ND<10	--	380	
09/14/02	36.81	14.91	0.00	21.90	-0.11	--	130	ND<0.50	ND<0.50	ND<0.50	ND<1	--	91	
10/25/02	36.81	15.32	0.00	21.49	-0.41	--	ND<200	ND<2	ND<2	ND<2	ND<4.0	--	270	
11/27/02	36.81	15.03	0.00	21.78	0.29	--	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<5	--	330	
12/19/02	36.81	13.75	0.00	23.06	1.28	--	290	ND<2.5	ND<2.5	ND<2.5	ND<5	--	320	
01/24/03	36.81	12.68	0.00	24.13	1.07	--	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<5	--	200	
02/15/03	36.81	13.15	0.00	23.66	-0.47	--	82	ND<0.50	ND<0.50	ND<0.50	ND<1	--	180	
03/17/03	36.81	13.26	0.00	23.55	-0.11	--	400	ND<2.5	ND<2.5	ND<2.5	ND<5	--	510	
04/18/03	36.81	13.14	0.00	23.67	0.12	--	140	ND<0.50	ND<0.50	ND<0.50	ND<1	--	170	
05/19/03	36.81	13.45	0.00	23.36	-0.31	--	ND<500	ND<5	ND<5	ND<5	ND<10	--	1000	
06/16/03	36.81	14.07	0.00	22.74	-0.62	--	ND<500	ND<5	ND<5	ND<5	ND<10	--	730	
07/18/03	36.81	14.71	0.00	22.10	-0.64	--	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<5	--	260	
10/01/03	36.81	15.36	0.00	21.45	-0.65	--	220	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	100	

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
MW-5 continued														
01/30/04	36.81	14.05	0.00	22.76	1.31	--	460	ND<1.0	ND<1.0	ND<1.0	ND<2.0	--	210	
04/26/04	36.81	13.60	0.00	23.21	0.45	--	260	ND<1.0	ND<1.0	ND<1.0	ND<2.0	--	200	
MW-6 (Screen Interval in feet: 10.0-26.0)														
07/23/91	--	--	0.00	--	--	ND	--	ND	ND	ND	ND	--	--	
10/14/91	--	--	0.00	--	--	ND	--	ND	ND	ND	ND	--	--	
01/14/92	--	--	0.00	--	--	ND	--	ND	ND	ND	ND	--	--	
04/14/92	--	--	0.00	--	--	ND	--	ND	ND	ND	ND	--	--	
07/09/92	--	--	0.00	--	--	ND	--	ND	ND	ND	ND	--	--	
10/28/92	--	--	0.00	--	--	--	--	--	--	--	--	--	--	
01/21/93	--	--	0.00	--	--	ND	--	ND	ND	ND	ND	--	--	
04/20/93	37.55	15.27	0.00	22.28	--	--	--	--	--	--	--	ND	--	
07/22/93	37.55	15.20	0.00	22.35	0.07	ND	--	ND	ND	ND	ND	ND	--	
10/06/93	37.13	15.75	0.00	21.38	-0.97	--	--	--	--	--	--	--	--	
01/11/94	37.13	16.02	0.00	21.11	-0.27	ND	--	ND	ND	ND	ND	--	--	
04/06/94	37.13	15.07	0.00	22.06	0.95	--	--	--	--	--	--	--	--	
07/08/94	37.13	15.55	0.00	21.58	-0.48	ND	--	ND	ND	ND	ND	--	--	
10/06/94	37.13	16.58	0.00	20.55	-1.03	--	--	--	--	--	--	--	--	
01/05/95	37.13	15.42	0.00	21.71	1.16	ND	--	ND	ND	ND	ND	--	--	
04/05/95	37.13	12.14	0.00	24.99	3.28	--	--	--	--	--	--	--	--	
07/14/95	37.13	13.87	0.00	23.26	-1.73	ND	--	ND	ND	ND	ND	--	--	
10/12/95	37.13	15.17	0.00	21.96	-1.30	--	--	--	--	--	--	--	--	
01/08/96	37.13	15.05	0.00	22.08	0.12	ND	--	ND	ND	ND	ND	--	--	
07/08/96	37.13	13.71	0.00	23.42	1.34	ND	--	ND	ND	ND	ND	ND	--	
01/03/97	37.13	13.12	0.00	24.01	--	97	--	ND	ND	ND	ND	ND	--	
07/02/97	37.13	14.57	0.00	22.56	-1.45	ND	--	ND	ND	ND	ND	ND	--	
01/15/98	37.13	13.30	0.00	23.83	1.27	ND	--	ND	ND	ND	ND	ND	--	
07/08/98	37.13	12.33	0.00	24.80	0.97	ND	--	ND	ND	ND	ND	ND	--	
01/11/99	37.13	14.60	0.00	22.53	-2.27	ND	--	ND	ND	ND	ND	ND	--	
07/07/99	37.13	13.23	0.00	23.90	1.37	ND	--	ND	ND	ND	ND	ND	--	

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
MW-6 continued														
01/04/00	37.13	14.41	0.00	22.72	-1.18	ND	--	ND	ND	ND	ND	ND	--	
07/15/00	37.13	14.05	0.00	23.08	0.36	ND	--	ND	ND	ND	ND	ND	--	
01/19/01	37.13	13.58	0.00	23.55	--	ND	--	ND	ND	ND	ND	ND	--	
07/31/01	37.13	15.24	0.00	21.89	-1.66	ND	--	ND	ND	ND	ND	ND	--	
01/28/02	37.13	13.80	0.00	23.33	1.44	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
04/22/02	37.13	13.22	0.00	23.91	0.58	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
05/24/02	37.13	14.07	0.00	23.06	-0.85	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<0.50	
06/21/02	37.13	14.38	0.00	22.75	-0.31	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<0.50	
07/29/02	37.13	14.64	0.00	22.49	-0.26	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
08/29/02	37.13	14.97	0.00	22.16	-0.33	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
09/14/02	37.13	15.04	0.00	22.09	-0.07	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
10/25/02	37.13	15.46	0.00	21.67	-0.42	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
11/27/02	37.13	15.17	0.00	21.96	0.29	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
12/19/02	37.13	13.88	0.00	23.25	1.29	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
01/24/03	37.13	12.91	0.00	24.22	0.97	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
02/15/03	37.13	13.38	0.00	23.75	-0.47	--	ND<50	ND<0.50	ND<0.50	0.98	3.6	--	ND<2	
03/17/03	37.13	13.49	0.00	23.64	-0.11	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
04/18/03	37.13	13.33	0.00	23.80	0.16	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
05/19/03	37.13	13.73	0.00	23.40	-0.40	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
06/16/03	37.13	14.41	0.00	22.72	-0.68	--	97	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
07/18/03	37.13	15.01	0.00	22.12	-0.60	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
10/01/03	37.13	15.58	0.00	21.55	-0.57	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
01/30/04	37.13	14.05	0.00	23.08	1.53	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
04/26/04	37.13	13.64	0.00	23.49	0.41	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
RW-1 (Screen Interval in feet: 12.5-27.5)														
07/08/98	--	11.72	0.00	--	--	80	--	1.7	ND	ND	ND	1300	--	
01/11/99	--	14.05	0.00	--	--	ND	--	3.0	ND	ND	ND	1200	--	
07/07/99	--	13.05	0.00	--	--	ND	--	ND	ND	ND	ND	590	--	
01/04/00	--	14.26	0.00	--	--	ND	--	ND	ND	ND	ND	270	--	

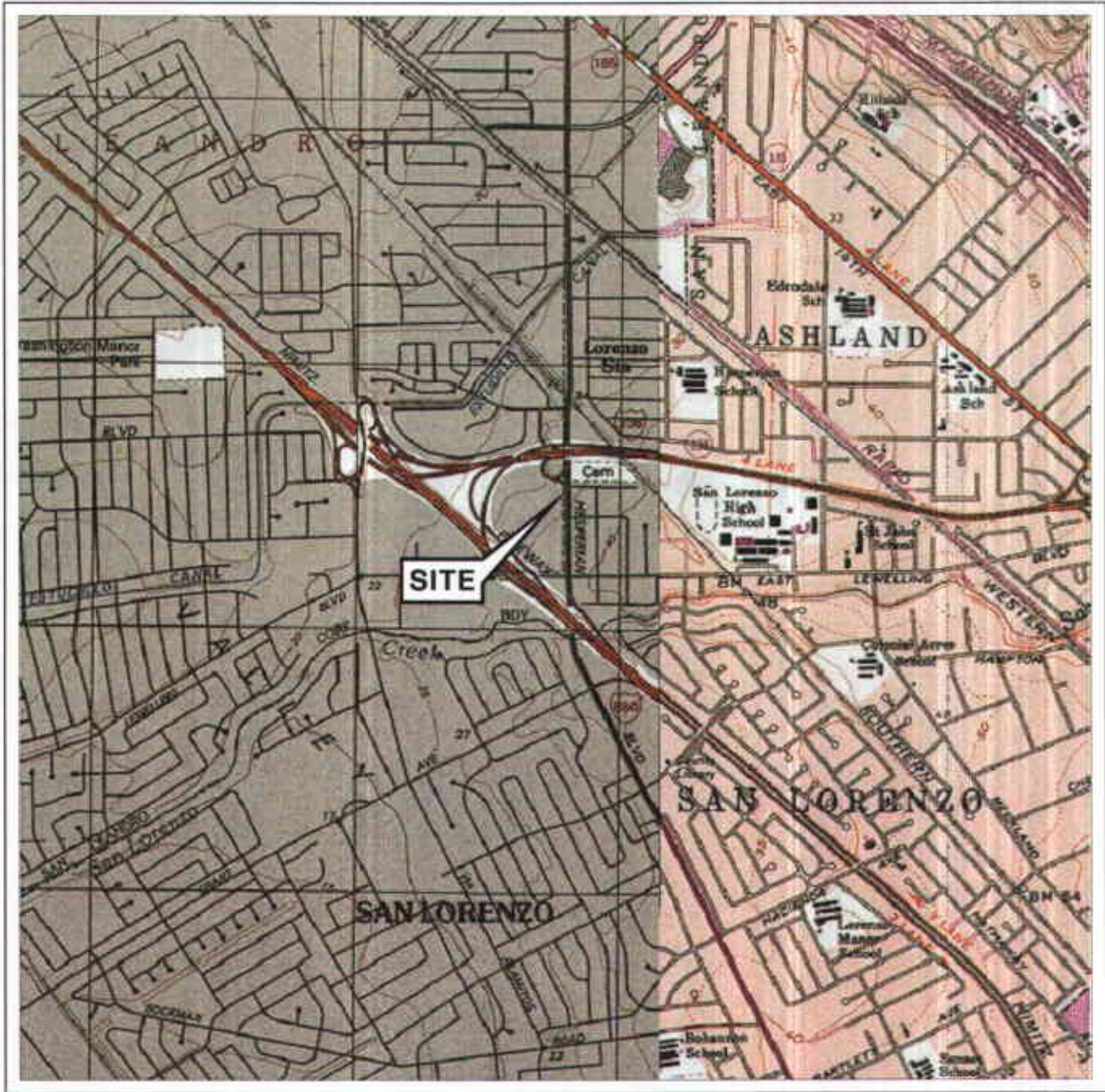
Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
RW-1 continued														
07/15/00	--	13.77	0.00	--	--	ND	--	0.55	ND	ND	ND	460	--	
01/19/01	--	13.29	0.00	--	--	ND	--	ND	ND	ND	ND	338	--	
07/31/01	--	14.72	0.00	--	--	ND	--	ND	ND	ND	ND	1900	--	
01/28/02	--	13.21	0.00	--	--	72	--	0.98	ND<0.50	ND<0.50	ND<0.50	460	--	
04/22/02	--	13.22	0.00	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	290	--	
05/24/02	--	13.51	0.00	--	--	--	1200	ND<1	ND<1	30	ND<2	--	300	
06/21/02	--	13.85	0.00	--	--	--	400	ND<0.50	ND<0.50	ND<0.50	ND<1	--	130	
07/29/02	--	14.11	0.00	--	--	--	130	ND<0.50	ND<0.50	ND<0.50	ND<1	--	91	
08/29/02	--	14.43	0.00	--	--	--	2400	ND<2	ND<2	47	ND<4.0	--	210	
09/14/02	--	14.54	0.00	--	--	--	390	ND<0.50	ND<0.50	ND<0.50	ND<1	--	120	
10/25/02	--	14.95	0.00	--	--	--	2700	0.96	1.1	51	ND<1	--	160	
11/27/02	--	14.66	0.00	--	--	--	1800	0.91	0.82	31	ND<1	--	170	
12/19/02	--	13.60	0.00	--	--	--	2900	ND<5	ND<5	50	ND<10	--	200	
01/24/03	--	12.31	0.00	--	--	--	1800	0.88	0.69	29	ND<1	--	140	
02/15/03	--	12.88	0.00	--	--	--	480	ND<0.50	ND<0.50	6.8	ND<1	--	88	
03/17/03	--	12.88	0.00	--	--	--	ND<50	0.62	ND<0.50	21	ND<1	--	86	
04/18/03	--	12.76	0.00	--	--	--	1600	0.76	0.92	34	ND<1	--	62	
05/19/03	--	12.91	0.00	--	--	--	1200	0.60	ND<0.50	15	ND<1.5	--	76	
06/16/03	--	13.55	0.00	--	--	--	760	0.60	0.64	4.1	ND<1	--	100	
07/18/03	--	14.33	0.00	--	--	--	620	0.61	1.8	3.6	ND<1	--	60	
10/01/03	--	14.90	0.00	--	--	--	490	0.56	ND<0.50	1.7	ND<1.0	--	15	
01/30/04	--	13.46	0.00	--	--	--	1400	ND<2.5	ND<2.5	8.6	ND<5.0	--	38	
04/26/04	--	13.03	0.00	--	--	--	1100	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	30	

Table 3
SUMMARY OF ADDITIONAL CHEMICAL ANALYSIS RESULTS
Former 76 Station 7004

Date Sampled	EDB (µg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8260B (µg/l)	1,2 DCE (µg/l)
MW-1							
06/16/03	--	--	--	--	--	ND<500	--
07/18/03	--	--	--	--	--	ND<500	--
10/01/03	--	--	--	--	--	ND<50	--
01/30/04	--	--	--	--	--	ND<500	--
04/26/04	--	--	--	--	--	ND<50	--
MW-2							
06/16/03	--	--	--	--	--	ND<500	--
07/18/03	--	--	--	--	--	ND<500	--
10/01/03	--	--	--	--	--	ND<50	--
01/30/04	--	--	--	--	--	ND<500	--
04/26/04	--	--	--	--	--	ND<50	--
MW-3							
08/25/00	ND	ND	ND	ND	ND	--	ND
06/16/03	--	--	--	--	--	ND<10000	--
07/18/03	--	--	--	--	--	ND<10000	--
10/01/03	--	--	--	--	--	ND<50	--
01/30/04	--	--	--	--	--	ND<5000	--
04/26/04	--	--	--	--	--	ND<500	--
MW-4							
06/16/03	--	--	--	--	--	ND<500	--
07/18/03	--	--	--	--	--	ND<500	--
10/01/03	--	--	--	--	--	ND<50	--
01/30/04	--	--	--	--	--	ND<500	--
04/26/04	--	--	--	--	--	ND<50	--
MW-5							

Date Sampled	EDB (µg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8260B (µg/l)	1,2 DCE (µg/l)
MW-5 continued							
06/16/03	--	--	--	--	--	ND<5000	--
07/18/03	--	--	--	--	--	ND<2500	--
10/01/03	--	--	--	--	--	ND<50	--
01/30/04	--	--	--	--	--	ND<1000	--
04/26/04	--	--	--	--	--	ND<100	--
MW-6							
06/16/03	--	--	--	--	--	ND<500	--
07/18/03	--	--	--	--	--	ND<500	--
10/01/03	--	--	--	--	--	ND<50	--
01/30/04	--	--	--	--	--	ND<500	--
04/26/04	--	--	--	--	--	ND<50	--
RW-1							
05/24/02	ND<0.5	ND<1	ND<10	ND<2	ND<1	ND<50	ND<0.5
06/16/03	--	--	--	--	--	ND<500	--
07/18/03	--	--	--	--	--	ND<500	--
10/01/03	--	--	--	--	--	ND<50	--
01/30/04	--	--	--	--	--	ND<2500	--
04/26/04	--	--	--	--	--	ND<250	--

FIGURES



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



SCALE 1:24,000



VICINITY MAP

Former 76 Station 7004
15599 Hesperian Boulevard
San Leandro, California

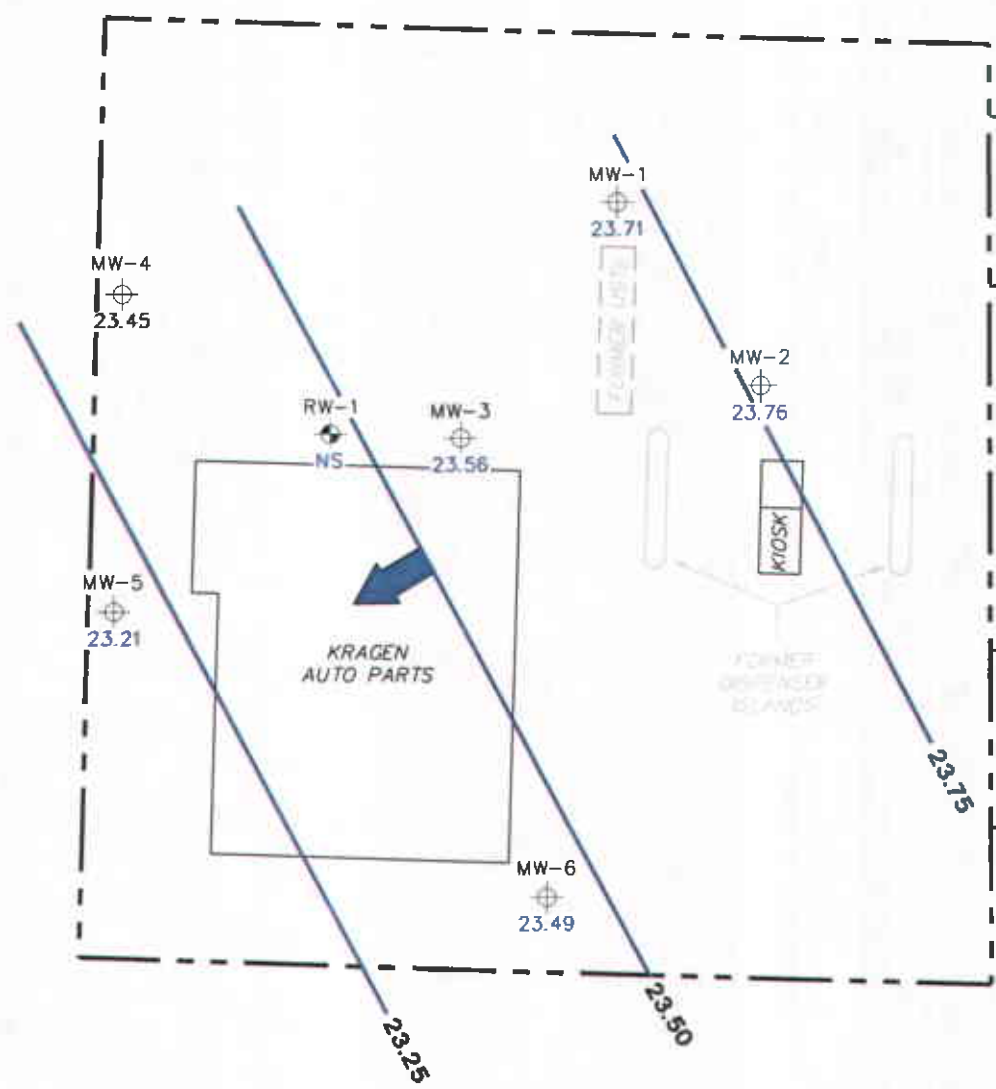
SOURCE:

United States Geological Survey
7.5 Minute Topographic Map:
San Leandro Quadrangle

FIGURE 1







PS = 1:1



HESPERIAN BOULEVARD

LEGEND

- MW-6  Monitoring Well with Groundwater Elevation (feet)
- RW-1  Aquifer testing well
- 23.75  Groundwater Elevation Contour
-  General Direction of Groundwater Flow

NOTES:

Contour lines are interpretive and based on fluid levels measured in monitoring wells. Elevations are in feet above mean sea level. UST = underground storage tank. NS = not surveyed.

**GROUNDWATER ELEVATION CONTOUR MAP
April 26, 2004**

Former 76 Station 7004
15599 Hesperian Boulevard
San Leandro, California

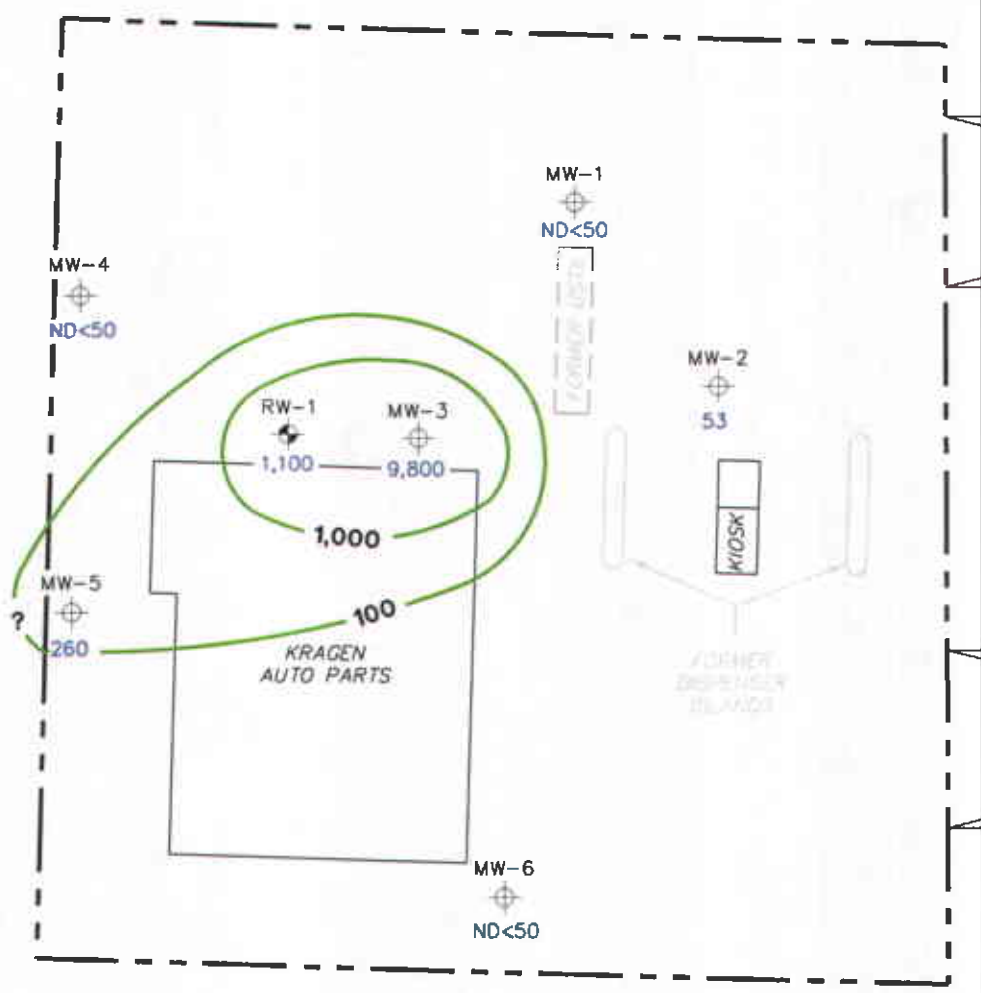


FIGURE 2

PS=1:17004-003



HESPERIAN BOULEVARD



NOTES:

Contour lines are interpretive and based on fluid levels measured in monitoring wells.
 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

- MW-6 Monitoring Well with Dissolved-Phase TPPH Concentration (µg/l)
- RW-1 Aquifer testing well
- 1,000 Dissolved-Phase TPPH Contour (µg/l)

**DISSOLVED-PHASE TPPH
 CONCENTRATION MAP
 April 26, 2004**

Former 76 Station 7004
 15599 Hesperian Boulevard
 San Leandro, California

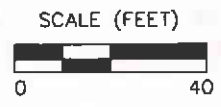
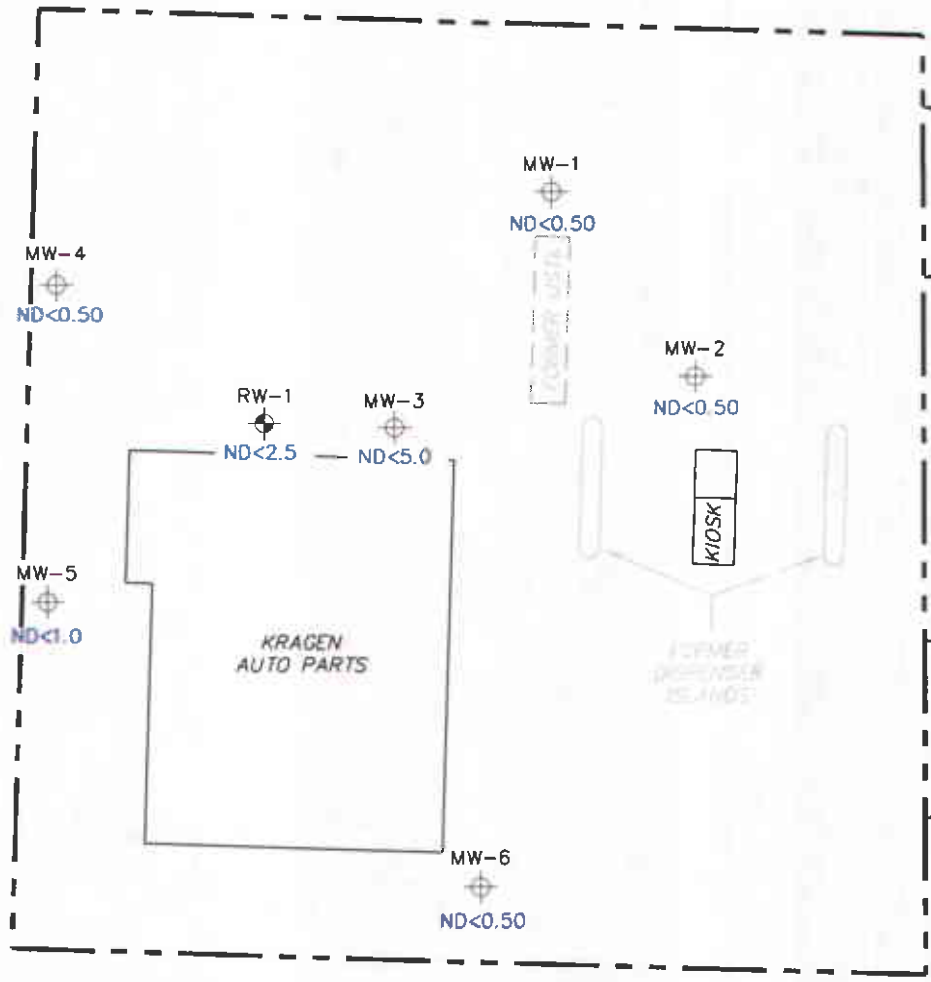


FIGURE 3

PS=1:17004-003





HESPERIAN BOULEVARD

NOTES:

$\mu\text{g/l}$ = micrograms per liter.
 ND = not detected at limit indicated on official laboratory report. UST = underground storage tank.

LEGEND

- MW-6  Monitoring Well with Dissolved-Phase Benzene Concentration ($\mu\text{g/l}$)
- RW-1  Aquifer testing well

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
April 26, 2004

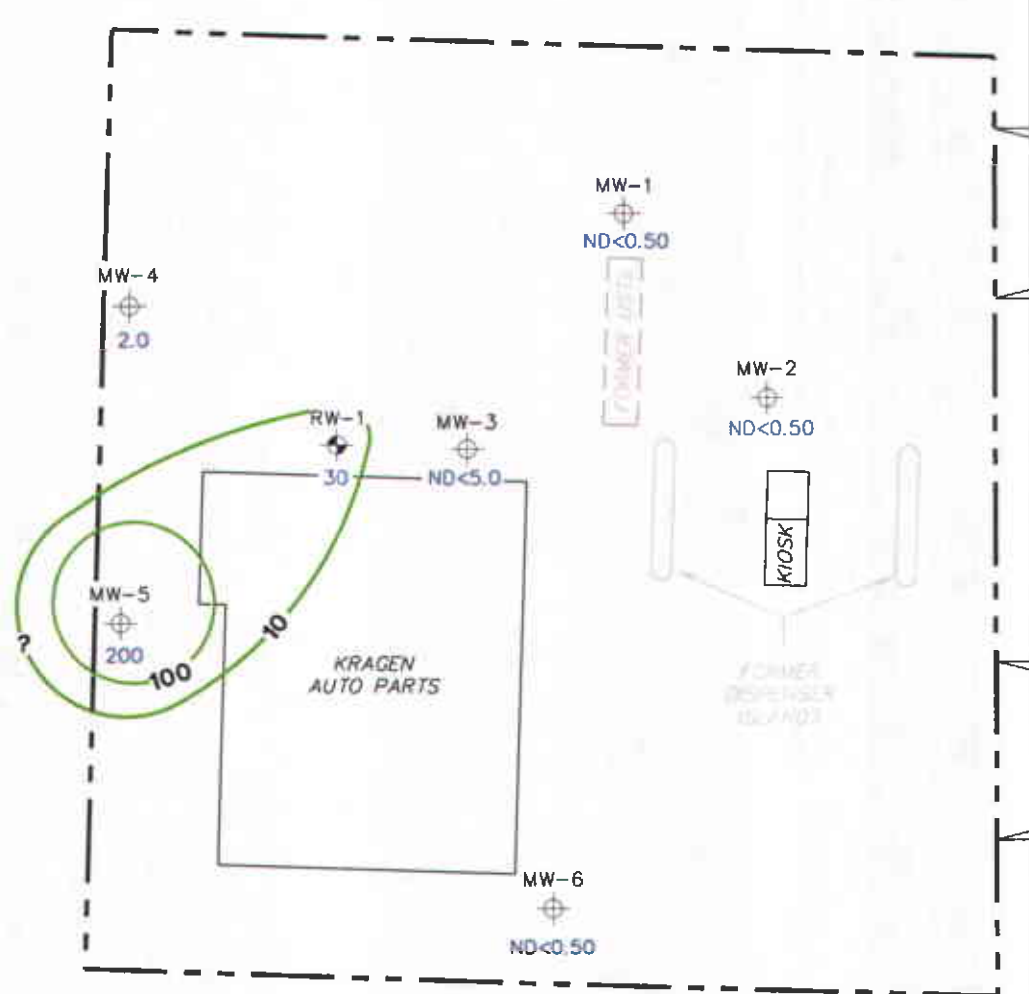
Former 76 Station 7004
 15599 Hesperian Boulevard
 San Leandro, California



FIGURE 4



PS=1:17004-003



HESPERIAN BOULEVARD

NOTES:

Contour lines are interpretive and based on fluid levels measured in monitoring wells.
 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

- MW-6 Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)
- RW-1 Aquifer testing well
- 100 Dissolved-Phase MTBE Contour (µg/l)

**DISSOLVED-PHASE MTBE CONCENTRATION MAP
 April 26, 2004**

Former 76 Station 7004
 15599 Hesperian Boulevard
 San Leandro, California

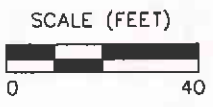
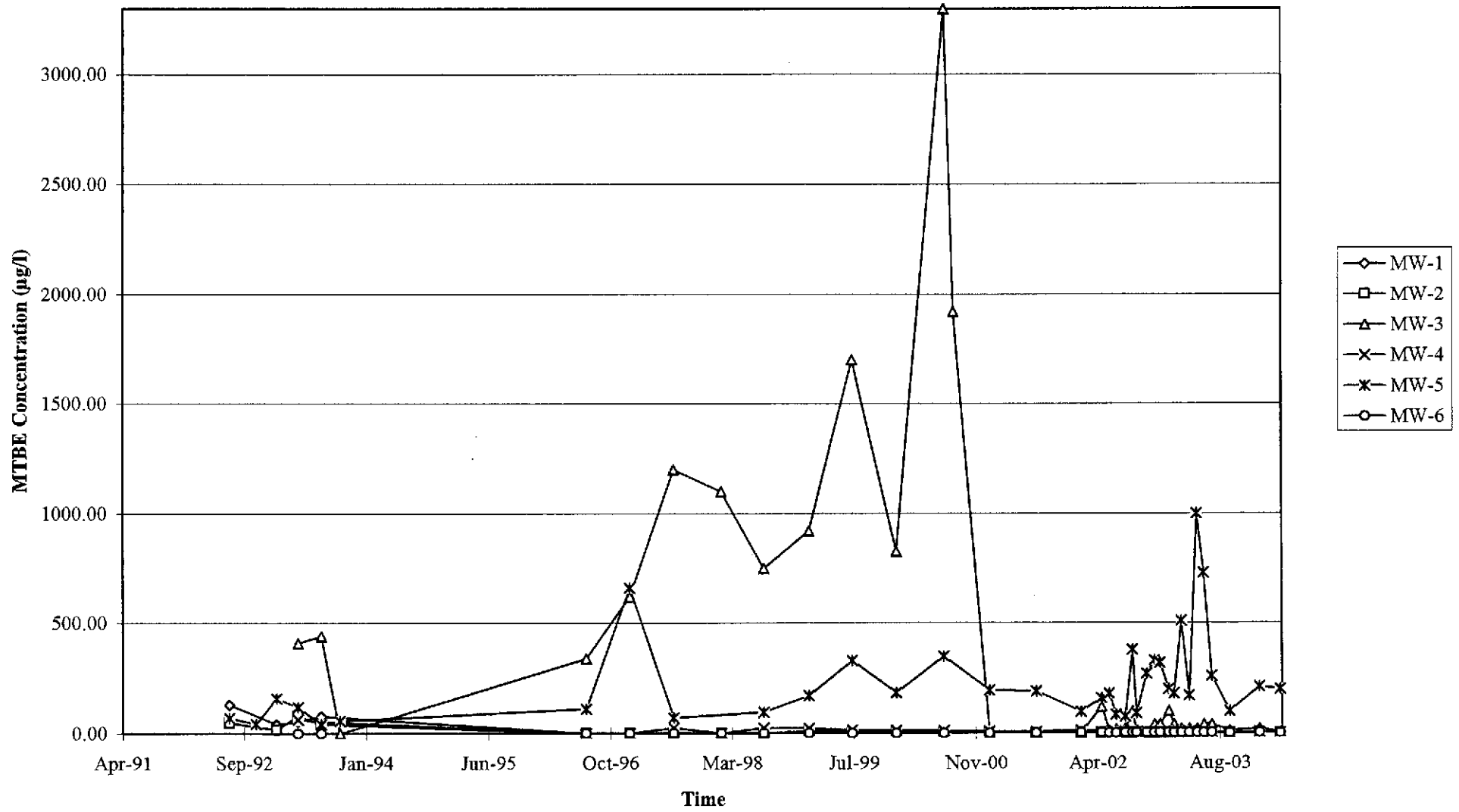


FIGURE 5

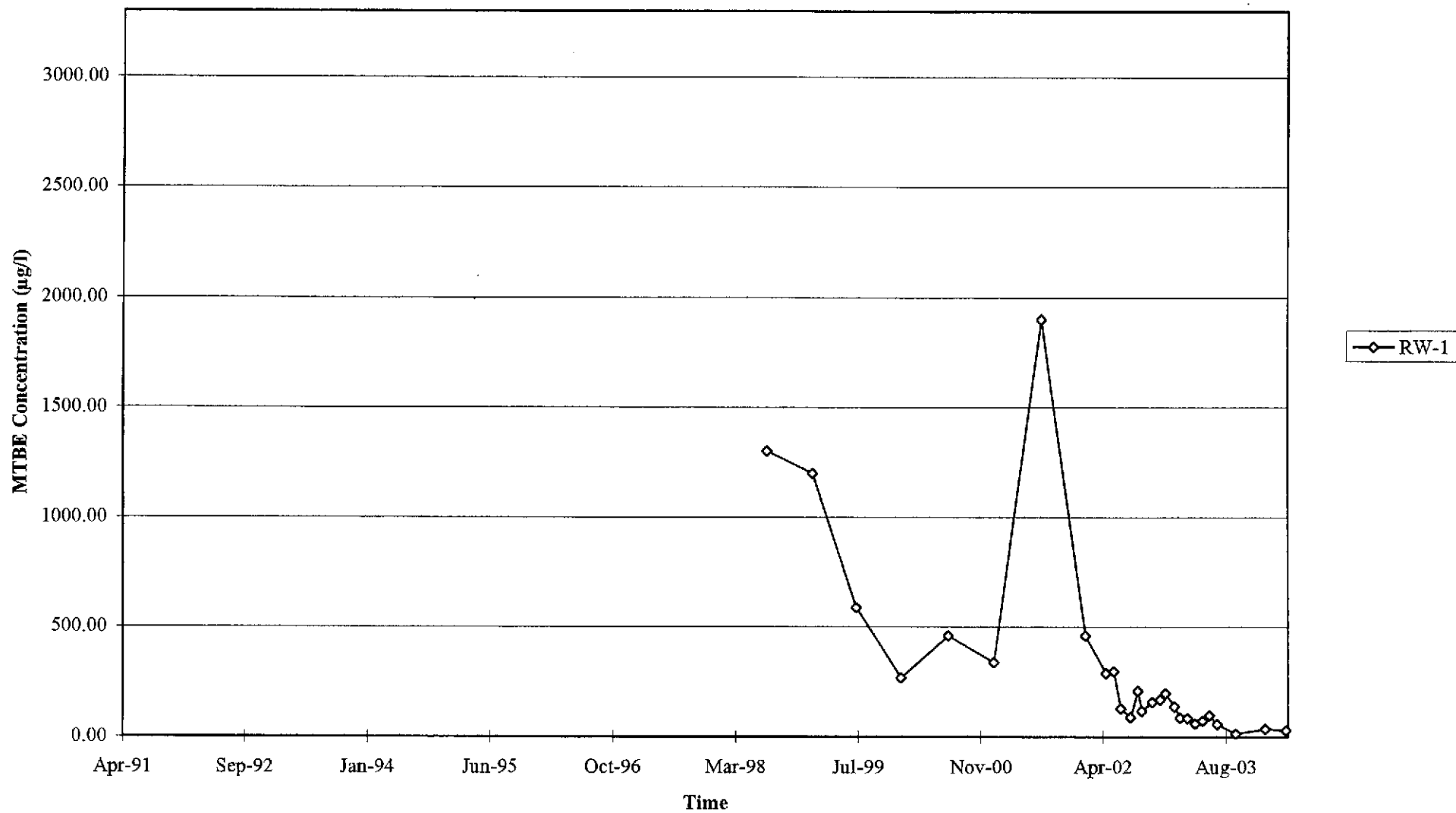
PS=1:17004-003

GRAPHS

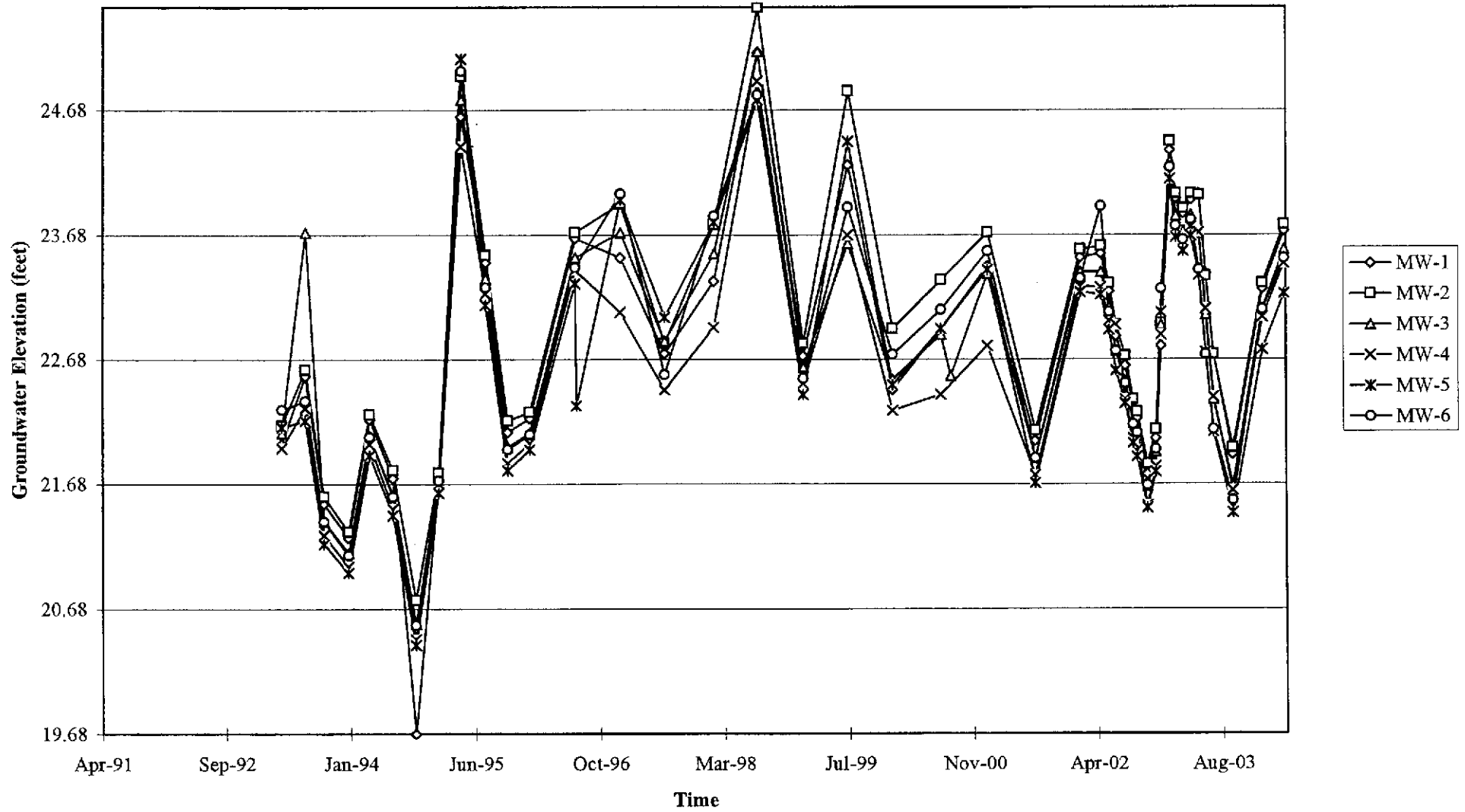
Graph 1
MTBE Concentrations vs. Time
Former 76 Station 7004



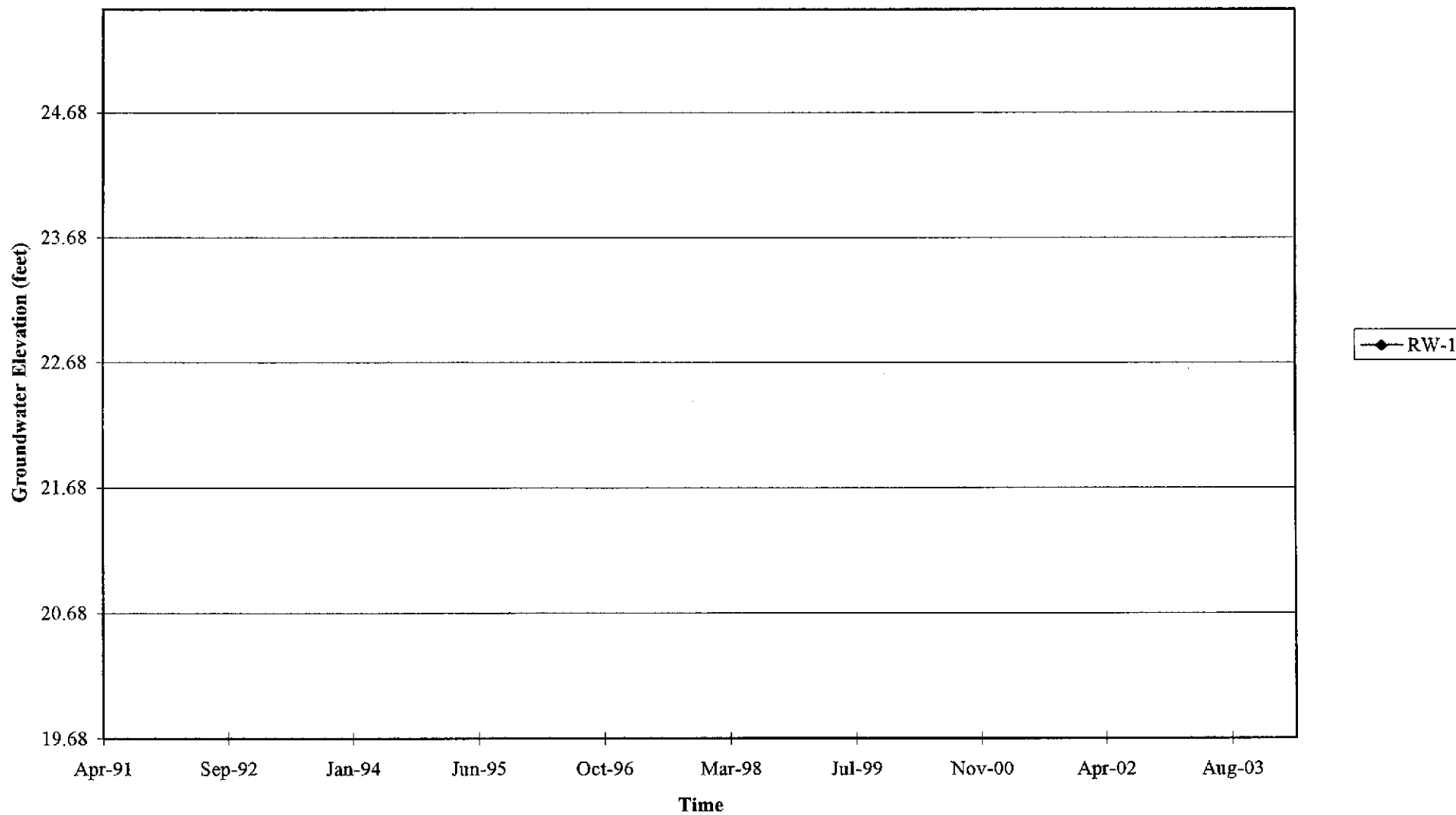
Graph 2
MTBE Concentrations vs. Time
Former 76 Station 7004



Graph 3
Hydrograph
Former 76 Station 7004



Graph 4
Hydrograph
Former 76 Station 7004



GENERAL FIELD PROCEDURES

Groundwater Monitoring and Sampling Assignments

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

Fluid Level Measurements

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

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

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

Purging and Groundwater Parameter Measurement

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

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

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

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

Groundwater Sample Collection

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

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

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

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

Sequence of Gauging, Purging, and Sampling

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

Decontamination

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

Exceptions

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

GROUNDWATER SAMPLING FIELD NOTES

Technician: David Tenney

Site: 7004

Project No.: 410500-01/FA20

Date: 4-26-04

Well No.: MW-4

Purge Method: diaphragm 0969

Depth to Water (feet): 11.99

Depth to Product (feet): 0

Total Depth (feet): 25.56

LPH & Water Recovered (gallons): 0

Water Column (feet): 13.57

Casing Diameter (Inches): 2

80% Recharge Depth (feet): 14.70

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F. C)	pH	Turbidity	D.O.
0843			2	656 _u	26.3	6.31		
			4	678	26.4	6.44		
	0846		6	708	24.8	6.51		
Static at Time Sampled			Total Gallons Purged		Time Sampled			
12:07			6		0848			
Comments:								

Well No.: RW-1

Purge Method: diaphragm 0969

Depth to Water (feet): 13.03

Depth to Product (feet): 0

Total Depth (feet): 26.55

LPH & Water Recovered (gallons): 0

Water Column (feet): 13.52

Casing Diameter (Inches): 6

80% Recharge Depth (feet): 15.73

1 Well Volume (gallons): 20

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F. C)	pH	Turbidity	D.O.
0900			20	785 _u	21.2	6.40		
			40	820	21.7	6.69		
			60	823	21.6	6.76		
	0921							
Static at Time Sampled			Total Gallons Purged		Time Sampled			
1314			60		1034			
Comments:								

GROUNDWATER SAMPLING FIELD NOTES

Technician: David Tenney

Site: 7004

Project No.: 410500-01/A20

Date: 4-26-04

Well No.: MW-6

Purge Method: diaphragm 0969

Depth to Water (feet): 13.64

Depth to Product (feet): 0

Total Depth (feet): 25.54

LPH & Water Recovered (gallons): 0

Water Column (feet): 11.90

Casing Diameter (Inches): 2

80% Recharge Depth (feet): 16.02

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F/C)	pH	Turbidity	D.O.
0759			2	1057u	20.5	6.26		
			4	1020	20.5	6.58		
	0805		6	979	21.2	6.54		
Static at Time Sampled		Total Gallons Purged			Time Sampled			
14.24		6			0008			
Comments:								

Well No.: MW-5

Purge Method: diaphragm 0969

Depth to Water (feet): 13.60

Depth to Product (feet): 0

Total Depth (feet): 26.00

LPH & Water Recovered (gallons): 0

Water Column (feet): 12.40

Casing Diameter (Inches): 2

80% Recharge Depth (feet): 16.08

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F/C)	pH	Turbidity	D.O.
0820			2	894u	20.5	6.34		
			4	888	20.5	6.55		
	0824		6	888	20.8	6.50		
Static at Time Sampled		Total Gallons Purged			Time Sampled			
13.66		6			0826			
Comments:								

GROUNDWATER SAMPLING FIELD NOTES

Technician: David Tenney

Site: 7004

Project No.: 410500-01/PA20

Date: 4-26-04

Well No.: MW-3

Purge Method: diaphragm 0969

Depth to Water (feet): 13.23

Depth to Product (feet): 0

Total Depth (feet): 24.61

LPH & Water Recovered (gallons): 0

Water Column (feet): 11.38

Casing Diameter (Inches): 2

80% Recharge Depth (feet): 15.51

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F/C)	pH	Turbidity	D.O.
0935			2	809N	23.2	7.04		
			4	827	21.7	6.50		
	0938		6	821	21.3	6.47		
Static at Time Sampled		Total Gallons Purged			Time Sampled			
13.78		6			0941			
Comments:								

Well No.: MW-1

Purge Method: diaphragm 0969

Depth to Water (feet): 12.68

Depth to Product (feet): 0

Total Depth (feet): 23.93

LPH & Water Recovered (gallons): 0

Water Column (feet): 11.29

Casing Diameter (Inches): 2

80% Recharge Depth (feet): 14.93

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F/C)	pH	Turbidity	D.O.
0954			2	720W	23.9	6.29		
			4	607 712	22.4	6.52		
	0958		6	729	22.2	6.57		
Static at Time Sampled		Total Gallons Purged			Time Sampled			
12.78		6			1000			
Comments:								

GROUNDWATER SAMPLING FIELD NOTES

Technician: David Tenney

Site: 7004

Project No.: 410500-01/FA20

Date: 4-26-04

Well No.: MW-2

Purge Method: diaphragm 0969

Depth to Water (feet): 13.31

Depth to Product (feet): 0

Total Depth (feet): 24.28

LPH & Water Recovered (gallons): 0

Water Column (feet): 10.97

Casing Diameter (Inches): 2

80% Recharge Depth (feet): 15.90

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
1011			2	705W	24.4	6.28		
			4	726	22.3	6.54		
	1015		6	734	22.1	6.59		
Static at Time Sampled		Total Gallons Purged		Time Sampled				
13.65		6		1017				
Comments:								

Well No.: _____

Purge Method: _____

Depth to Water (feet): _____

Depth to Product (feet): _____

Total Depth (feet): _____

LPH & Water Recovered (gallons): _____

Water Column (feet): _____

Casing Diameter (Inches): _____

80% Recharge Depth (feet): _____

1 Well Volume (gallons): _____

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

TRC Alton Geoscience

May 12, 2004

21 Technology Drive
Irvine, CA 92718

Attn.: Anju Farfan

Project#: 41050001FA20

Project: Conoco Phillips # 7004

Site: 15599 Hesperian Boulevard

Attached is our report for your samples received on 04/27/2004 17:30

This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 06/11/2004 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.

You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,



Dimple Sharma
Project Manager

Severn Trent Laboratories, Inc.

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

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

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111
Project: 41050001FA20
Conoco Phillips # 7004

Received: 04/27/2004 17:30

Site: 15599 Hesperian Boulevard

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-6	04/26/2004 08:08	Water	1
MW-5	04/26/2004 08:26	Water	2
MW-4	04/26/2004 08:48	Water	3
RW-1	04/26/2004 10:34	Water	4
MW-3	04/26/2004 09:41	Water	5
MW-1	04/26/2004 10:00	Water	6
MW-2	04/26/2004 10:17	Water	7

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

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

Project: 41050001FA20

Conoco Phillips # 7004

Received: 04/27/2004 17:30

Site: 15599 Hesperian Boulevard

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-6	Lab ID:	2004-04-0894 - 1
Sampled:	04/26/2004 08:08	Extracted:	5/8/2004 13:52
Matrix:	Water	QC Batch#:	2004/05/08-01.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	05/08/2004 13:52	
Benzene	ND	0.50	ug/L	1.00	05/08/2004 13:52	
Toluene	ND	0.50	ug/L	1.00	05/08/2004 13:52	
Ethylbenzene	ND	0.50	ug/L	1.00	05/08/2004 13:52	
Total xylenes	ND	1.0	ug/L	1.00	05/08/2004 13:52	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	05/08/2004 13:52	
Ethanol	ND	50	ug/L	1.00	05/08/2004 13:52	
Surrogate(s)						
Toluene-d8	97.2	88-110	%	1.00	05/08/2004 13:52	
1,2-Dichloroethane-d4	96.0	76-114	%	1.00	05/08/2004 13:52	

Severn Trent Laboratories, Inc.

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

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

05/12/2004 10:50

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

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

Project: 41050001FA20

Conoco Phillips # 7004

Received: 04/27/2004 17:30

Site: 15599 Hesperian Boulevard

Prep(s): 5030B Test(s): 8260FAB
 Sample ID: MW-5 Lab ID: 2004-04-0894 - 2
 Sampled: 04/26/2004 08:26 Extracted: 5/8/2004 14:16
 Matrix: Water QC Batch#: 2004/05/08-01.66
 Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	260	100	ug/L	2.00	05/08/2004 14:16	g
Benzene	ND	1.0	ug/L	2.00	05/08/2004 14:16	
Toluene	ND	1.0	ug/L	2.00	05/08/2004 14:16	
Ethylbenzene	ND	1.0	ug/L	2.00	05/08/2004 14:16	
Total xylenes	ND	2.0	ug/L	2.00	05/08/2004 14:16	
Methyl tert-butyl ether (MTBE)	200	1.0	ug/L	2.00	05/08/2004 14:16	
Ethanol	ND	100	ug/L	2.00	05/08/2004 14:16	
Surrogate(s)						
Toluene-d8	93.5	88-110	%	2.00	05/08/2004 14:16	
1,2-Dichloroethane-d4	112.2	76-114	%	2.00	05/08/2004 14:16	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

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

Project: 41050001FA20

Conoco Phillips # 7004

Received: 04/27/2004 17:30

Site: 15599 Hesperian Boulevard

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MW-4	Lab ID: 2004-04-0894 - 3
Sampled: 04/26/2004 08:48	Extracted: 5/8/2004 14:40
Matrix: Water	QC Batch#: 2004/05/08-01.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	05/08/2004 14:40	
Benzene	ND	0.50	ug/L	1.00	05/08/2004 14:40	
Toluene	ND	0.50	ug/L	1.00	05/08/2004 14:40	
Ethylbenzene	ND	0.50	ug/L	1.00	05/08/2004 14:40	
Total xylenes	ND	1.0	ug/L	1.00	05/08/2004 14:40	
Methyl tert-butyl ether (MTBE)	2.0	0.50	ug/L	1.00	05/08/2004 14:40	
Ethanol	ND	50	ug/L	1.00	05/08/2004 14:40	
Surrogate(s)						
Toluene-d8	97.6	88-110	%	1.00	05/08/2004 14:40	
1,2-Dichloroethane-d4	95.2	76-114	%	1.00	05/08/2004 14:40	

Severn Trent Laboratories, Inc.

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

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

05/12/2004 10:50

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

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

Project: 41050001FA20

Conoco Phillips # 7004

Received: 04/27/2004 17:30

Site: 15599 Hesperian Boulevard

Prep(s): 5030B Test(s): 8260FAB
 Sample ID: RW-1 Lab ID: 2004-04-0894 - 4
 Sampled: 04/26/2004 10:34 Extracted: 5/10/2004 12:45
 Matrix: Water QC Batch#: 2004/05/10-1A.66
 Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1100	250	ug/L	5.00	05/10/2004 12:45	
Benzene	ND	2.5	ug/L	5.00	05/10/2004 12:45	
Toluene	ND	2.5	ug/L	5.00	05/10/2004 12:45	
Ethylbenzene	ND	2.5	ug/L	5.00	05/10/2004 12:45	
Total xylenes	ND	5.0	ug/L	5.00	05/10/2004 12:45	
Methyl tert-butyl ether (MTBE)	30	2.5	ug/L	5.00	05/10/2004 12:45	
Ethanol	ND	250	ug/L	5.00	05/10/2004 12:45	
Surrogate(s)						
Toluene-d8	99.4	88-110	%	5.00	05/10/2004 12:45	
1,2-Dichloroethane-d4	103.1	76-114	%	5.00	05/10/2004 12:45	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

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

Project: 41050001FA20

Conoco Phillips # 7004

Received: 04/27/2004 17:30

Site: 15599 Hesperian Boulevard

Prep(s): 5030B Test(s): 8260FAB
 Sample ID: MW-3 Lab ID: 2004-04-0894 - 5
 Sampled: 04/26/2004 09:41 Extracted: 5/8/2004 15:28
 Matrix: Water QC Batch#: 2004/05/08-01.66
 Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	9800	500	ug/L	10.00	05/08/2004 15:28	
Benzene	ND	5.0	ug/L	10.00	05/08/2004 15:28	
Toluene	ND	5.0	ug/L	10.00	05/08/2004 15:28	
Ethylbenzene	470	5.0	ug/L	10.00	05/08/2004 15:28	
Total xylenes	ND	10	ug/L	10.00	05/08/2004 15:28	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	10.00	05/08/2004 15:28	
Ethanol	ND	500	ug/L	10.00	05/08/2004 15:28	
Surrogate(s)						
Toluene-d8	101.5	88-110	%	10.00	05/08/2004 15:28	
1,2-Dichloroethane-d4	100.9	76-114	%	10.00	05/08/2004 15:28	

Severn Trent Laboratories, Inc.

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

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

05/12/2004 10:50

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

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

Project: 41050001FA20

Conoco Phillips # 7004

Received: 04/27/2004 17:30

Site: 15599 Hesperian Boulevard

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-1	Lab ID:	2004-04-0894 - 6
Sampled:	04/26/2004 10:00	Extracted:	5/8/2004 15:52
Matrix:	Water	QC Batch#:	2004/05/08-01.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	05/08/2004 15:52	
Benzene	ND	0.50	ug/L	1.00	05/08/2004 15:52	
Toluene	ND	0.50	ug/L	1.00	05/08/2004 15:52	
Ethylbenzene	ND	0.50	ug/L	1.00	05/08/2004 15:52	
Total xylenes	ND	1.0	ug/L	1.00	05/08/2004 15:52	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	05/08/2004 15:52	
Ethanol	ND	50	ug/L	1.00	05/08/2004 15:52	
Surrogate(s)						
Toluene-d8	95.5	88-110	%	1.00	05/08/2004 15:52	
1,2-Dichloroethane-d4	99.3	76-114	%	1.00	05/08/2004 15:52	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience

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Irvine, CA 92718

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Project: 41050001FA20

Conoco Phillips # 7004

Received: 04/27/2004 17:30

Site: 15599 Hesperian Boulevard

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-2	Lab ID:	2004-04-0894 - 7
Sampled:	04/26/2004 10:17	Extracted:	5/8/2004 16:16
Matrix:	Water	QC Batch#:	2004/05/08-01.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	53	50	ug/L	1.00	05/08/2004 16:16	g
Benzene	ND	0.50	ug/L	1.00	05/08/2004 16:16	
Toluene	ND	0.50	ug/L	1.00	05/08/2004 16:16	
Ethylbenzene	ND	0.50	ug/L	1.00	05/08/2004 16:16	
Total xylenes	ND	1.0	ug/L	1.00	05/08/2004 16:16	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	05/08/2004 16:16	
Ethanol	ND	50	ug/L	1.00	05/08/2004 16:16	
Surrogate(s)						
Toluene-d8	97.8	88-110	%	1.00	05/08/2004 16:16	
1,2-Dichloroethane-d4	99.1	76-114	%	1.00	05/08/2004 16:16	

Severn Trent Laboratories, Inc.

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05/12/2004 10:50

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience

Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 7004

Received: 04/27/2004 17:30

Site: 15599 Hesperian Boulevard

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2004/05/08-01.66-007

Water

Test(s): 8260FAB

QC Batch # 2004/05/08-01.66

Date Extracted: 05/08/2004 10:07

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	05/08/2004 10:07	
Benzene	ND	0.5	ug/L	05/08/2004 10:07	
Toluene	ND	0.5	ug/L	05/08/2004 10:07	
Ethylbenzene	ND	0.5	ug/L	05/08/2004 10:07	
Total xylenes	ND	1.0	ug/L	05/08/2004 10:07	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	05/08/2004 10:07	
Ethanol	ND	50	ug/L	05/08/2004 10:07	
Surrogates(s)					
Toluene-d8	99.8	88-110	%	05/08/2004 10:07	
1,2-Dichloroethane-d4	94.0	76-114	%	05/08/2004 10:07	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

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

Project: 41050001FA20

Conoco Phillips # 7004

Received: 04/27/2004 17:30

Site: 15599 Hesperian Boulevard

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2004/05/10-1A.66-041

Water

Test(s): 8260FAB

QC Batch # 2004/05/10-1A.66

Date Extracted: 05/10/2004 08:41

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	05/10/2004 08:41	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	05/10/2004 08:41	
Benzene	ND	0.5	ug/L	05/10/2004 08:41	
Toluene	ND	0.5	ug/L	05/10/2004 08:41	
Ethylbenzene	ND	0.5	ug/L	05/10/2004 08:41	
Total xylenes	ND	1.0	ug/L	05/10/2004 08:41	
Ethanol	ND	50	ug/L	05/10/2004 08:41	
Surrogates(s)					
1,2-Dichloroethane-d4	96.6	76-114	%	05/10/2004 08:41	
Toluene-d8	97.4	88-110	%	05/10/2004 08:41	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience

Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 7004

Received: 04/27/2004 17:30

Site: 15599 Hesperian Boulevard

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike

Water

QC Batch # 2004/05/08-01.66

LCS 2004/05/08-01.66-019

Extracted: 05/08/2004

Analyzed: 05/08/2004 09:19

LCSD 2004/05/08-01.66-043

Extracted: 05/08/2004

Analyzed: 05/08/2004 09:43

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	25.6	28.2	25.0	102.4	112.8	9.7	69-129	20		
Toluene	24.9	27.2	25.0	99.6	108.8	8.8	70-130	20		
Methyl tert-butyl ether (MTBE)	24.5	26.8	25.0	98.0	107.2	9.0	65-165	20		
Surrogates(s)										
Toluene-d8	516	507	500	103.2	101.4		88-110			
1,2-Dichloroethane-d4	470	471	500	94.0	94.2		76-114			

Severn Trent Laboratories, Inc.

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

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

05/12/2004 10:50

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

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

Project: 41050001FA20

Conoco Phillips # 7004

Received: 04/27/2004 17:30

Site: 15599 Hesperian Boulevard

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike

Water

QC Batch # 2004/05/10-1A.66

LCS 2004/05/10-1A.66-053

Extracted: 05/10/2004

Analyzed: 05/10/2004 07:53

LCSD 2004/05/10-1A.66-017

Extracted: 05/10/2004

Analyzed: 05/10/2004 08:17

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	23.1	21.3	25	92.4	85.2	8.1	65-165	20		
Benzene	23.1	23.3	25	92.4	93.2	0.9	69-129	20		
Toluene	23.7	22.5	25	94.8	90.0	5.2	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	448	439	500	89.6	87.8		76-114			
Toluene-d8	496	492	500	99.2	98.4		88-110			

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

05/12/2004 10:50

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

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

Project: 41050001FA20

Conoco Phillips # 7004

Received: 04/27/2004 17:30

Site: 15599 Hesperian Boulevard

Legend and Notes

Analysis Flag

o

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

Result Flag

g

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

STL San Francisco

Sample Receipt Checklist

Submission #: 2004- 04 - 0894

Checklist completed by: (initials) JM Date: 04/29/04

Courier name: STL San Francisco Client ABC

Custody seals intact on shipping container/samples

Yes ___ No ___ Not Present

Chain of custody present?

Yes No ___

Chain of custody signed when relinquished and received?

Yes No ___

Chain of custody agrees with sample labels?

Yes No ___

Samples in proper container/bottle?

Yes No ___

Sample containers intact?

Yes No ___

Sufficient sample volume for indicated test?

Yes No ___

All samples received within holding time?

Yes No ___

Container/Temp Blank temperature in compliance ($4^{\circ}C \pm 2$)?

Temp: 3.0°C Yes No ___

Ice Present Yes No ___

Water - VOA vials have zero headspace?

No VOA vials submitted ___ Yes No ___

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

Water - pH acceptable upon receipt? Yes No

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

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

Comments:

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

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

Client contacted: Yes No

Summary of discussion:

Corrective Action (per PM/Client):

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

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

ConocoPhillips Work Order Number:
DATE: 4-26-04
ConocoPhillips Cost Object:
PAGE: 1 of 1

SAMPLING COMPANY: TRC		Valid Value ID:		CONOCOPHILLIPS SITE NUMBER 7004		GLOBAL ID NO.: T0600101451	
ADDRESS: 21 Technology Drive, Irvine CA 92618				SITE ADDRESS (Street and City): 15599 Hesperian Boulevard		CONOCOPHILLIPS SITE MANAGER: Thomas Kosel	
PROJECT CONTACT (Hardcopy or PDF Report to): Anju Farfan				EDF DELIVERABLE TO (RP or Designee): Peter Thomson, TRC pthomson@trcsolutions.com		PHONE NO.: 949-341-7408	
TELEPHONE: 949-341-7440		FAX: 949-753-0111		E-MAIL: afarfan@trcsolutions.com		E-MAIL: LAB USE ONLY	
SAMPLER NAME(S) (Print): David Tenney				CONSULTANT PROJECT NUMBER 41050001/FA20			

TURNAROUND TIME (CALENDAR DAYS): <input checked="" type="checkbox"/> 14 DAYS <input type="checkbox"/> 7 DAYS <input type="checkbox"/> 72 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 24 HOURS <input type="checkbox"/> LESS THAN 24 HOURS			REQUESTED ANALYSES 8015m - TPHd Extractable 8260B - TPHg/BTEX/MBE 8260B - TPHg / BTEX / 8 Oxygenates 8260B - TPHg / BTEX / 8 oxygenates + methanol (8015M) 8260B - Full Scan VOCs (does not include oxygenates) 8270C - Semi-Volatiles 8015M / 8021B - TPHg/BTEX/MBE Lead <input type="checkbox"/> Total <input type="checkbox"/> TLCLP TPPH by 8260B BTEX/MTBE by 8260B Ethanol by 8260B				
SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED <input checked="" type="checkbox"/>							
FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes 3.0°C TEMPERATURE ON RECEIPT C°							

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING		MATRIX	NO. OF CONT.	8015m - TPHd Extractable	8260B - TPHg/BTEX/MBE	8260B - TPHg / BTEX / 8 Oxygenates	8260B - TPHg / BTEX / 8 oxygenates + methanol (8015M)	8260B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	8015M / 8021B - TPHg/BTEX/MBE	Lead <input type="checkbox"/> Total <input type="checkbox"/> TLCLP	TPPH by 8260B	BTEX/MTBE by 8260B	Ethanol by 8260B															
		DATE	TIME																												
	MW-6	4-26	0808	GW	3									X	X	X															
	MW-5		0826																												
	MW-4		0848																												
	RW-1		1034																												
	MW-3		0941																												
	MW-1		1000																												
	MW-2		1017																												

Relinquished by: (Signature) <i>DAVID TENNEY</i>	Received by: (Signature) <i>Refrigerator</i>	Date: 4-26-04	Time: 1705
Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>Stev</i>	Date: 4/27/04	Time: 1030
Relinquished by: (Signature) <i>Stev 4/27/04 1730</i>	Received by: (Signature) <i>Nou na / S.</i>	Date: 4/27/04	Time: 1730

STATEMENTS

Purge Water Transport and Disposal

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

Limitations

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