RO - 371

SECOR

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

February 4, 2004

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

RE: **Quarterly Summary Report-Fourth Quarter 2003**
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	Location
76 Service Station No. 7004	15599 Hesperian Blvd San Leandro, CA

Sincerely,
SECOR International Incorporated

M. Gavan Heinrich
Associate Geologist

GH

cc: Mr. Thomas Kosel, ConocoPhillips (Bartlesville)

SECOR

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QUARTERLY SUMMARY REPORT
Fourth Quarter 2003

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 ft^2/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

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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 purgable petroleum hydrocarbons (TPPH), BTEX, and fuel oxygenates.

REMEDIAL STATUS

Oxygen releasing compound was place 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 form quarterly to semiannually.

THIS QUARTER ACTIVITIES (Fourth Quarter 2003)

1. TRC conducted quarterly groundwater monitoring and sampling event.

NEXT QUARTER ACTIVITIES (First Quarter 2004)

1. Perform quarterly groundwater monitoring and sampling event.

CONSULTANT: SECOR International Incorporated

RO-371

TRC
Customer-Focused Solutions

March 5, 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
JANUARY THROUGH MARCH 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

Anju Farfan
QMS Operations Manager

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

Enclosures
7004R02.QMS

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December 19, 2003

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

RE: **Quarterly Summary Report-Third Quarter 2003**
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	**Location**
76 Service Station No. 7004	15599 Hesperian Blvd San Leandro, CA

Sincerely,
SECOR International Incorporated

M. Gavan Heinrich
Associate Geologist

GH

cc: Mr. David DeWitt, ConocoPhillips

SECOR

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QUARTERLY SUMMARY REPORT
Third Quarter 2003

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

City/County ID #: San Leandro

County: Alameda

BACKGROUND

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.

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- Transmissivity (confined): 35 ft^2/day
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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.

THIS QUARTER ACTIVITIES (Third Quarter 2003)

1. Gettler-Ryan conducted quarterly groundwater monitoring and sampling event.

NEXT QUARTER ACTIVITIES (Fourth Quarter 2003)

1. Perform quarterly groundwater monitoring and sampling event.

CHARACTERIZATION/REMEDIAL STATUS

Soil contamination delineated?	Yes
Dissolved groundwater delineated	No
Free product delineated?	N/A
Soil/groundwater remediation in progress?	No
Start?	N/A
Anticipated completion date?	N/A

CONSULTANT: SECOR International Incorporated

R0371

TRC

Customer-Focused Solutions

December 15, 2003

ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

ATTN: MR. DAVID B. DeWITT

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

RE: QUARTERLY MONITORING REPORT
OCTOBER THROUGH DECEMBER 2003

Dear Mr. DeWitt:

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. Donna Drogos, Alameda County Health Care Service Division
Mr. Michael Bakaldin, City of San Leandro Fire Department
Mr. Gavan Heinrich, SECOR International Inc.

Enclosures
7004R01.QMS

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TRC

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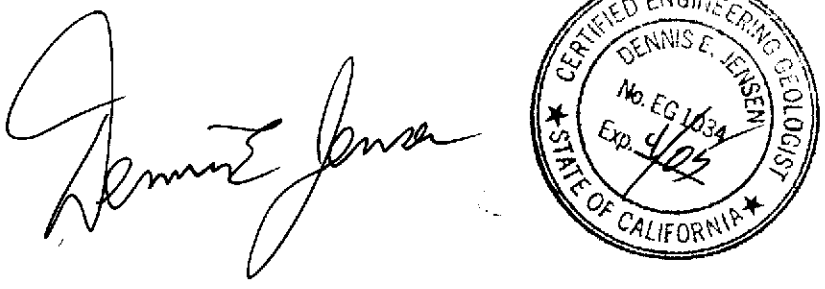
FOURTH QUARTER 2003
FLUID LEVEL MONITORING AND
GROUNDWATER SAMPLING REPORT
December 15, 2003

FORMER 76 STATION 7004
15599 Hesperian Boulevard
San Leandro, California

Prepared For:

Mr. David B. DeWitt
CONOCOPHILLIPS COMPANY
76 Broadway
Sacramento, California 95818

By:



Senior Project Geologist, Irvine Operations

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

GROUNDWATER MONITORING REPORT

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

Summary of Gauging and Sampling Activities
October 2003 through December 2003
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:	David DeWitt/916-558-7666
Groundwater wells onsite:	7
Groundwater wells offsite:	0

Field Activity:

Sampling consultant:	TRC
Date(s) sampled:	10/1/2003
Groundwater wells gauged:	7
Groundwater wells sampled:	7
Purging method:	submersible 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):	13.81
Maximum depth to groundwater (feet bgs):	15.58
Average groundwater elevation (feet relative to mean sea level):	21.70
Average change in groundwater elevations since previous event (feet):	-0.70
Groundwater gradient and flow direction:	0.004 ft/ft, southwest
Previous gradient and/or flow direction (and date):	(7/18/2003)

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):	0.56 (RW-1)
Minimum MTBE concentration (µg/l):	ND
Maximum MTBE concentration (µg/l):	100 (MW-5)
Minimum TPPH concentration (µg/l):	ND
Maximum TPPH concentration (µg/l):	9000 (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

October 1, 2003

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)**												
10/1/2003	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	
MW-2		**(Screen Interval in feet: 10.0-25.0)**												
10/1/2003	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	
MW-3		**(Screen Interval in feet: 10.0-25.0)**												
10/1/2003	36.79	15.12	0.00	21.67	-0.69	--	9000	ND<10	ND<10	820	ND<20	--	ND<10	
MW-4		**(Screen Interval in feet: 10.0-26.0)**												
10/1/2003	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	
MW-5		**(Screen Interval in feet: 10.0-26.0)**												
10/1/2003	36.81	15.36	0.00	21.45	-0.65	--	220	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	100	
MW-6		**(Screen Interval in feet: 10.0-26.0)**												
10/1/2003	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	
RW-1		**(Screen Interval in feet: 12.5-27.5)**												
10/1/2003	--	14.90	0.00	--	--	--	490	0.56	ND<0.50	1.7	ND<1.0	--	15	

Table 2
HISTORIC GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
May 1991 Through October 2003
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)**													
5/4/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
7/23/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
10/14/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
1/14/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
4/14/1992	--	--	--	--	--	76	--	ND	ND	ND	ND	--	--	
7/9/1992	--	--	--	--	--	70	--	ND	ND	ND	ND	130	--	
10/28/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	
1/21/1993	--	--	--	--	--	ND	--	ND	ND	ND	ND	42	--	
4/20/1993	36.89	14.89	0.00	22.00	--	--	--	--	--	--	--	56	--	
7/22/1993	36.89	14.34	0.00	22.55	0.55	ND	--	ND	ND	ND	ND	77	--	
10/6/1993	36.39	14.87	0.00	21.52	-1.03	--	--	--	--	--	--	--	--	
1/11/1994	36.39	15.14	0.00	21.25	-0.27	ND	--	ND	ND	ND	ND	--	--	
4/6/1994	36.39	14.19	0.00	22.20	0.95	--	--	--	--	--	--	--	--	
7/8/1994	36.39	14.66	0.00	21.73	-0.47	ND	--	ND	ND	ND	ND	--	--	
10/6/1994	36.39	16.71	0.00	19.68	-2.05	--	--	--	--	--	--	--	--	
1/5/1995	36.39	14.68	0.00	21.71	2.03	ND	--	ND	ND	ND	ND	--	--	
4/5/1995	36.39	11.76	0.00	24.63	2.92	--	--	--	--	--	--	--	--	
7/14/1995	36.39	12.93	0.00	23.46	-1.17	ND	--	0.65	2.2	ND	2.3	--	--	
10/12/1995	36.39	14.29	0.00	22.10	-1.36	--	--	--	--	--	--	--	--	
1/8/1996	36.39	14.18	0.00	22.21	0.11	ND	--	ND	ND	ND	ND	--	--	
7/8/1996	36.39	12.74	0.00	23.65	1.44	ND	--	ND	ND	ND	ND	ND	--	
1/3/1997	36.39	12.89	0.00	23.50	--	87	--	ND	ND	ND	ND	ND	--	
7/2/1997	36.39	13.66	0.00	22.73	-0.77	ND	--	ND	ND	ND	ND	ND	--	
1/15/1998	36.39	13.08	0.00	23.31	0.58	ND	--	ND	ND	ND	ND	ND	--	
7/8/1998	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)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-1 continued														
1/11/1999	36.39	13.68	0.00	22.71	-2.43	51	--	ND	ND	ND	ND	4.8	--	
7/7/1999	36.39	12.15	0.00	24.24	1.53	ND	--	ND	ND	ND	ND	ND	--	
1/4/2000	36.39	13.95	0.00	22.44	-1.80	ND	--	ND	ND	ND	ND	ND	--	
7/15/2000	36.39	13.46	0.00	22.93	0.49	ND	--	ND	0.86	ND	ND	ND	--	
1/19/2001	36.39	12.96	0.00	23.43	--	ND	--	ND	ND	ND	ND	ND	--	
7/31/2001	36.39	14.36	0.00	22.03	-1.40	ND	--	ND	ND	ND	ND	ND	--	
1/28/2002	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	--	
4/22/2002	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	--	
5/24/2002	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	
6/21/2002	36.39	13.52	0.00	22.87	-0.36	--	76	ND<0.50	ND<0.50	ND<0.50	ND<1	--	0.59	
7/29/2002	36.39	13.76	0.00	22.63	-0.24	--	54	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
8/29/2002	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	
9/14/2002	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	
10/25/2002	36.39	14.63	0.00	21.76	-0.45	--	ND<50	0.91	ND<0.50	ND<0.50	ND<1	--	ND<2	
11/27/2002	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	
12/19/2002	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	
1/24/2003	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	
2/15/2003	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	
3/17/2003	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	
4/18/2003	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	
5/19/2003	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	
6/16/2003	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	
7/18/2003	36.39	13.66	0.00	22.73	-0.64	--	56	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
10/1/2003	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	
MW-2	**(Screen Interval in feet: 10.0-25.0)**													
5/4/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
7/23/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
10/14/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
1/14/1992	--	--	--	--	--	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														
4/14/1992	--	--	--	--	--	45	--	ND	ND	ND	ND	--	--	
7/9/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	49	--	
10/28/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	
1/21/1993	--	--	--	--	--	ND	--	ND	ND	ND	ND	17	--	
4/20/1993	37.35	15.20	0.00	22.15	--	--	--	--	--	--	--	80	--	
7/22/1993	37.35	14.75	0.00	22.60	0.45	62	--	ND	ND	ND	ND	42	--	
10/6/1993	37.07	15.49	0.00	21.58	-1.02	--	--	--	--	--	--	--	--	
1/11/1994	37.07	15.77	0.00	21.30	-0.28	120	--	ND	ND	ND	ND	--	--	
4/6/1994	37.07	14.83	0.00	22.24	0.94	--	--	--	--	--	--	--	--	
7/8/1994	37.07	15.28	0.00	21.79	-0.45	140	--	ND	ND	ND	ND	--	--	
10/6/1994	37.07	16.32	0.00	20.75	-1.04	--	--	--	--	--	--	--	--	
1/5/1995	37.07	15.30	0.00	21.77	1.02	310	--	ND	ND	ND	ND	--	--	
4/5/1995	37.07	12.12	0.00	24.95	3.18	--	--	--	--	--	--	--	--	
7/14/1995	37.07	13.55	0.00	23.52	-1.43	86	--	ND	ND	ND	ND	--	--	
10/12/1995	37.07	14.88	0.00	22.19	-1.33	--	--	--	--	--	--	--	--	
1/8/1996	37.07	14.81	0.00	22.26	0.07	91	--	ND	ND	ND	ND	--	--	
7/8/1996	37.07	13.37	0.00	23.70	1.44	100	--	ND	ND	ND	ND	ND	--	
1/3/1997	37.07	13.14	0.00	23.93	--	160	--	ND	ND	ND	ND	ND	--	
7/2/1997	37.07	14.26	0.00	22.81	-1.12	91	--	ND	ND	ND	ND	ND	--	
1/15/1998	37.07	13.31	0.00	23.76	0.95	ND	--	ND	ND	ND	ND	ND	--	
7/8/1998	37.07	11.57	0.00	25.50	1.74	ND	--	ND	ND	ND	ND	ND	--	
1/11/1999	37.07	14.26	0.00	22.81	-2.69	ND	--	ND	ND	ND	ND	9.8	--	
7/7/1999	37.07	12.24	0.00	24.83	2.02	ND	--	ND	ND	ND	ND	9.4	--	
1/4/2000	37.07	14.14	0.00	22.93	-1.90	ND	--	ND	0.518	ND	ND	9.1	--	
7/15/2000	37.07	13.75	0.00	23.32	0.39	ND	--	ND	0.51	ND	ND	6.0	--	
1/19/2001	37.07	13.37	0.00	23.70	--	ND	--	ND	ND	ND	ND	6.8	--	
7/31/2001	37.07	14.96	0.00	22.11	-1.59	ND	--	ND	ND	ND	ND	ND	--	
1/28/2002	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	--	
4/22/2002	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	--	

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														
5/24/2002	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	
6/21/2002	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	
7/29/2002	37.07	14.36	0.00	22.71	-0.25	--	60	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
8/29/2002	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	
9/14/2002	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	
10/25/2002	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	
11/27/2002	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	
12/19/2002	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	
1/24/2003	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	
2/15/2003	37.07	13.06	0.00	24.01	-0.42	--	64	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
3/17/2003	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	
4/18/2003	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	
5/19/2003	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	
6/16/2003	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	
7/18/2003	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	
10/1/2003	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	
MW-3	**(Screen Interval in feet: 10.0-25.0)**													
5/4/1991	--	--	--	--	--	34000	--	6100	32	1200	6100	--	--	
7/23/1991	--	--	--	--	--	17000	--	5500	26	1800	2800	--	--	
10/14/1991	--	--	--	--	--	25000	--	6300	78	2000	1400	--	--	
1/14/1992	--	--	--	--	--	13000	--	6600	19	2600	1800	--	--	
4/14/1992	--	--	--	--	--	16000	--	3400	19	1400	1300	--	--	
7/9/1992	--	--	--	--	--	13000	--	3200	12	1900	1100	--	--	
10/28/1992	--	--	--	--	--	15000	--	4400	15	2400	800	--	--	
1/21/1993	--	--	--	--	--	12000	--	2800	11	1600	590	--	--	
4/20/1993	37.22	15.13	0.00	22.09	--	18000	--	3700	11	2300	1300	410	--	
7/22/1993	37.22	13.52	0.00	23.70	1.61	16000	--	4500	17	3600	1900	440	--	
10/6/1993	36.79	15.41	0.00	21.38	-2.32	24000	--	4100	ND	3600	2000	ND	--	
1/11/1994	36.79	15.66	0.00	21.13	-0.25	19000	--	3300	31	3300	890	--	--	

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														
4/6/1994	36.79	14.72	0.00	22.07	0.94	24000	--	3100	ND	3300	820	--	--	
7/8/1994	36.79	15.20	0.00	21.59	-0.48	18000	--	2200	25	2500	860	--	--	
10/6/1994	36.79	16.23	0.00	20.56	-1.03	20000	--	2100	26	3000	900	--	--	
1/5/1995	36.79	15.12	0.00	21.67	1.11	20000	--	2100	ND	3200	3800	--	--	
4/5/1995	36.79	12.03	0.00	24.76	3.09	18000	--	2100	ND	3700	690	--	--	
7/14/1995	36.79	13.46	0.00	23.33	-1.43	21000	--	1600	ND	3900	1500	--	--	
10/12/1995	36.79	14.81	0.00	21.98	-1.35	17000	--	1000	ND	3600	1000	--	--	
1/8/1996	36.79	14.70	0.00	22.09	0.11	14000	--	760	ND	3100	380	--	--	
7/8/1996	36.79	13.29	0.00	23.50	1.41	16000	--	470	45	4400	1000	340	--	
1/3/1997	36.79	13.09	0.00	23.70	--	14000	--	160	ND	2100	120	620	--	
7/2/1997	36.79	13.96	0.00	22.83	-0.87	23000	--	110	ND	3600	1600	1200	--	
1/15/1998	36.79	13.26	0.00	23.53	0.70	12000	--	33	ND	2800	120	1100	--	
7/8/1998	36.79	11.64	0.00	25.15	1.62	20000	--	76	ND	4100	1400	750	--	
1/11/1999	36.79	14.17	0.00	22.62	-2.53	23000	--	ND	ND	4100	460	920	--	
7/7/1999	36.79	13.18	0.00	23.61	0.99	15000	--	35	ND	3400	470	1700	--	
1/4/2000	36.79	14.27	0.00	22.52	-1.09	15500	--	ND	ND	3330	191	827	--	
7/15/2000	36.79	13.91	0.00	22.88	0.36	15000	--	ND	ND	3400	420	3300	--	
8/25/2000	36.79	14.24	0.00	22.55	-0.33	--	--	--	--	--	--	1920	--	
1/19/2001	36.79	13.42	0.00	23.37	0.82	11100	--	38.4	ND	1760	38.8	ND	--	
7/31/2001	36.79	14.90	0.00	21.89	-1.48	13000	--	ND	ND	1600	63	ND	--	
1/28/2002	36.79	13.41	0.00	23.38	1.49	82	--	ND<0.50	ND<0.50	10	ND<0.50	ND<2.5	--	
4/22/2002	36.79	13.41	0.00	23.38	0.00	7300	--	39	ND<25	970	ND<25	ND<120	--	
5/24/2002	36.79	13.69	0.00	23.10	-0.28	--	8500	ND<5	ND<5	1200	ND<10	--	12	
6/21/2002	36.79	14.04	0.00	22.75	-0.35	--	11000	ND<5	ND<5	690	ND<10	--	17	
7/29/2002	36.79	14.28	0.00	22.51	-0.24	--	6800	ND<5	ND<5	1100	ND<10	--	ND<20	
8/29/2002	36.79	14.62	0.00	22.17	-0.34	--	7200	ND<25	ND<25	1200	ND<50	--	ND<100	
9/14/2002	36.79	14.72	0.00	22.07	-0.10	--	180	ND<0.50	ND<0.50	20	ND<1	--	ND<2	
10/25/2002	36.79	15.13	0.00	21.66	-0.41	--	1000	ND<0.50	ND<0.50	110	ND<1	--	ND<2	
11/27/2002	36.79	14.85	0.00	21.94	0.28	--	7600	ND<10	ND<10	1200	ND<20	--	ND<40	

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-3 continued														
12/19/2002	36.79	13.83	0.00	22.96	1.02	--	6400	ND<10	ND<10	810	ND<20	--	ND<40	
1/24/2003	36.79	12.52	0.00	24.27	1.31	--	6600	ND<25	ND<25	930	ND<50	--	ND<100	
2/15/2003	36.79	12.96	0.00	23.83	-0.44	--	8400	ND<10	ND<10	970	ND<20	--	ND<40	
3/17/2003	36.79	13.08	0.00	23.71	-0.12	--	7900	ND<5	ND<5	1100	ND<10	--	ND<20	
4/18/2003	36.79	12.95	0.00	23.84	0.13	--	6700	ND<5	ND<5	1100	ND<10	--	ND<20	
5/19/2003	36.79	13.10	0.00	23.69	-0.15	--	8700	ND<5	ND<5	1100	ND<10	--	ND<20	
6/16/2003	36.79	13.75	0.00	23.04	-0.65	--	7700	ND<10	ND<10	1000	ND<20	--	ND<40	
7/18/2003	36.79	14.43	0.00	22.36	-0.68	--	11000	ND<10	ND<10	1800	1300	--	ND<40	
10/1/2003	36.79	15.12	0.00	21.67	-0.69	--	9000	ND<10	ND<10	820	ND<20	--	ND<10	
MW-4	**(Screen Interval in feet: 10.0-26.0)**													
7/23/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
10/14/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
1/14/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
4/14/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
7/9/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
10/28/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	
1/21/1993	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
4/20/1993	35.81	13.84	0.00	21.97	--	--	--	--	--	--	--	65	--	
7/22/1993	35.81	13.52	0.00	22.29	0.32	ND	--	ND	ND	ND	ND	54	--	
10/6/1993	35.44	14.17	0.00	21.27	-1.02	--	--	--	--	--	--	--	--	
1/11/1994	35.44	14.42	0.00	21.02	-0.25	ND	--	ND	ND	ND	ND	--	--	
4/6/1994	35.44	13.44	0.00	22.00	0.98	--	--	--	--	--	--	--	--	
7/8/1994	35.44	13.96	0.00	21.48	-0.52	ND	--	ND	ND	ND	ND	--	--	
10/6/1994	35.44	15.00	0.00	20.44	-1.04	--	--	--	--	--	--	--	--	
1/5/1995	35.44	13.83	0.00	21.61	1.17	ND	--	ND	ND	ND	ND	--	--	
4/5/1995	35.44	11.05	0.00	24.39	2.78	--	--	--	--	--	--	--	--	
7/14/1995	35.44	12.23	0.00	23.21	-1.18	ND	--	ND	ND	ND	ND	--	--	
10/12/1995	35.44	13.59	0.00	21.85	-1.36	--	--	--	--	--	--	--	--	
1/8/1996	35.44	13.43	0.00	22.01	0.16	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-4 continued														
7/8/1996	35.44	12.04	0.00	23.40	1.39	ND	--	ND	ND	ND	ND	ND	--	
1/3/1997	35.44	12.38	0.00	23.06	--	80	--	ND	ND	ND	ND	ND	--	
7/2/1997	35.44	13.00	0.00	22.44	-0.62	ND	--	ND	ND	ND	ND	25	--	
1/15/1998	35.44	12.50	0.00	22.94	0.50	ND	--	ND	ND	ND	ND	ND	--	
7/8/1998	35.44	10.53	0.00	24.91	1.97	ND	--	ND	ND	ND	ND	25	--	
1/11/1999	35.44	12.95	0.00	22.49	-2.42	ND	--	ND	ND	ND	ND	23	--	
7/7/1999	35.44	11.76	0.00	23.68	1.19	ND	--	ND	ND	ND	ND	15	--	
1/4/2000	35.44	13.17	0.00	22.27	-1.41	ND	--	ND	ND	ND	ND	13.2	--	
7/15/2000	35.44	13.04	0.00	22.40	0.13	ND	--	ND	ND	ND	ND	11	--	
1/19/2001	35.44	12.65	0.00	22.79	--	ND	--	ND	ND	ND	ND	9.97	--	
7/31/2001	35.44	13.69	0.00	21.75	-1.04	ND	--	ND	ND	ND	ND	6.0	--	
1/28/2002	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	--	
4/22/2002	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	--	
5/24/2002	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	
6/21/2002	35.44	12.48	0.00	22.96	-0.03	--	54	ND<0.50	ND<0.50	ND<0.50	ND<1	--	3.6	
7/29/2002	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	
8/29/2002	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	
9/14/2002	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	
10/25/2002	35.44	13.93	0.00	21.51	-0.44	--	ND<50	0.82	ND<0.50	ND<0.50	ND<1	--	7.1	
11/27/2002	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	
12/19/2002	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	
1/24/2003	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	
2/15/2003	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	
3/17/2003	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	
4/18/2003	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	
5/19/2003	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	
6/16/2003	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	
7/18/2003	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	
10/1/2003	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	

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	**(Screen Interval in feet: 10.0-26.0)**													
7/23/1991	--	--	--	--	--	260	--	1.2	0.39	10	0.71	--	--	
10/14/1991	--	--	--	--	--	140	--	0.72	ND	1.3	0.89	--	--	
1/14/1992	--	--	--	--	--	60	--	ND	ND	ND	ND	--	--	
4/14/1992	--	--	--	--	--	86	--	ND	ND	ND	ND	--	--	
7/9/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	71	--	
10/28/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	45	--	
1/21/1993	--	--	--	--	--	100	--	ND	ND	ND	ND	160	--	
4/20/1993	37.01	14.87	0.00	22.14	--	99	--	ND	ND	ND	ND	120	--	
7/22/1993	37.01	14.82	0.00	22.19	0.05	59	--	ND	ND	2.6	ND	42	--	
10/6/1993	36.81	15.61	0.00	21.20	-0.99	150	--	1.1	ND	3.1	0.85	57	--	
1/11/1994	36.81	15.84	0.00	20.97	-0.23	160	--	ND	0.79	0.54	ND	--	--	
4/6/1994	36.81	14.90	0.00	21.91	0.94	260	--	1.4	ND	0.88	ND	--	--	
7/8/1994	36.81	15.38	0.00	21.43	-0.48	200	--	ND	ND	ND	ND	--	--	
10/6/1994	36.81	16.42	0.00	20.39	-1.04	350	--	1.3	ND	ND	ND	--	--	
1/5/1995	36.81	15.20	0.00	21.61	1.22	85	--	ND	ND	ND	ND	--	--	
4/5/1995	36.81	11.72	0.00	25.09	3.48	ND	--	ND	ND	ND	ND	--	--	
7/14/1995	36.81	13.69	0.00	23.12	-1.97	180	--	1.3	ND	7.9	ND	--	--	
10/12/1995	36.81	15.02	0.00	21.79	-1.33	310	--	ND	ND	31	1.2	--	--	
1/8/1996	36.81	14.85	0.00	21.96	0.17	ND	--	0.55	ND	ND	0.58	--	--	
7/8/1996	36.81	13.52	0.00	23.29	1.33	140	--	2.1	1.4	5.6	0.51	110	--	
7/12/1996	36.81	14.50	0.00	22.31	-0.98	--	--	--	--	--	--	--	--	
1/3/1997	36.81	12.85	0.00	23.96	1.65	12000	--	150	ND	2100	120	660	--	
7/2/1997	36.81	13.79	0.00	23.02	-0.94	ND	--	ND	ND	ND	ND	72	--	
1/15/1998	36.81	13.03	0.00	23.78	0.76	69	--	ND	ND	ND	ND	--	--	
7/8/1998	36.81	12.05	0.00	24.76	0.98	ND	--	0.74	ND	ND	ND	95	--	
1/11/1999	36.81	14.41	0.00	22.40	-2.36	ND	--	1.0	ND	ND	ND	170	--	
7/7/1999	36.81	12.38	0.00	24.43	2.03	130	--	0.64	ND	ND	ND	330	--	
1/4/2000	36.81	14.33	0.00	22.48	-1.95	ND	--	ND	ND	ND	ND	183	--	
7/15/2000	36.81	13.88	0.00	22.93	0.45	ND	--	0.68	ND	ND	ND	350	--	

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														
1/19/2001	36.81	13.41	0.00	23.40	--	ND	--	ND	ND	ND	ND	195	--	
7/31/2001	36.81	15.12	0.00	21.69	-1.71	ND	--	ND	ND	ND	ND	190	--	
1/28/2002	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	--	
4/22/2002	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	--	
5/24/2002	36.81	13.89	0.00	22.92	-0.28	--	89	ND<0.50	ND<0.50	ND<0.50	ND<1	--	180	
6/21/2002	36.81	14.22	0.00	22.59	-0.33	--	190	ND<0.50	ND<0.50	ND<0.50	ND<1	--	85	
7/29/2002	36.81	14.48	0.00	22.33	-0.26	--	120	ND<0.50	ND<0.50	ND<0.50	ND<1	--	76	
8/29/2002	36.81	14.80	0.00	22.01	-0.32	--	ND<500	ND<5	ND<5	ND<5	ND<10	--	380	
9/14/2002	36.81	14.91	0.00	21.90	-0.11	--	130	ND<0.50	ND<0.50	ND<0.50	ND<1	--	91	
10/25/2002	36.81	15.32	0.00	21.49	-0.41	--	ND<200	ND<2	ND<2	ND<2	ND<4.0	--	270	
11/27/2002	36.81	15.03	0.00	21.78	0.29	--	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<5	--	330	
12/19/2002	36.81	13.75	0.00	23.06	1.28	--	290	ND<2.5	ND<2.5	ND<2.5	ND<5	--	320	
1/24/2003	36.81	12.68	0.00	24.13	1.07	--	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<5	--	200	
2/15/2003	36.81	13.15	0.00	23.66	-0.47	--	82	ND<0.50	ND<0.50	ND<0.50	ND<1	--	180	
3/17/2003	36.81	13.26	0.00	23.55	-0.11	--	400	ND<2.5	ND<2.5	ND<2.5	ND<5	--	510	
4/18/2003	36.81	13.14	0.00	23.67	0.12	--	140	ND<0.50	ND<0.50	ND<0.50	ND<1	--	170	
5/19/2003	36.81	13.45	0.00	23.36	-0.31	--	ND<500	ND<5	ND<5	ND<5	ND<10	--	1000	
6/16/2003	36.81	14.07	0.00	22.74	-0.62	--	ND<500	ND<5	ND<5	ND<5	ND<10	--	730	
7/18/2003	36.81	14.71	0.00	22.10	-0.64	--	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<5	--	260	
10/1/2003	36.81	15.36	0.00	21.45	-0.65	--	220	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	100	
MW-6	**(Screen Interval in feet: 10.0-26.0)**													
7/23/1991	--	--	0.00	--	--	ND	--	ND	ND	ND	ND	--	--	
10/14/1991	--	--	0.00	--	--	ND	--	ND	ND	ND	ND	--	--	
1/14/1992	--	--	0.00	--	--	ND	--	ND	ND	ND	ND	--	--	
4/14/1992	--	--	0.00	--	--	ND	--	ND	ND	ND	ND	--	--	
7/9/1992	--	--	0.00	--	--	ND	--	ND	ND	ND	ND	--	--	
10/28/1992	--	--	0.00	--	--	--	--	--	--	--	--	--	--	
1/21/1993	--	--	0.00	--	--	ND	--	ND	ND	ND	ND	--	--	
4/20/1993	37.55	15.27	0.00	22.28	--	--	--	--	--	--	--	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														
7/22/1993	37.55	15.20	0.00	22.35	0.07	ND	--	ND	ND	ND	ND	ND	--	
10/6/1993	37.13	15.75	0.00	21.38	-0.97	--	--	--	--	--	--	--	--	
1/11/1994	37.13	16.02	0.00	21.11	-0.27	ND	--	ND	ND	ND	ND	--	--	
4/6/1994	37.13	15.07	0.00	22.06	0.95	--	--	--	--	--	--	--	--	
7/8/1994	37.13	15.55	0.00	21.58	-0.48	ND	--	ND	ND	ND	ND	--	--	
10/6/1994	37.13	16.58	0.00	20.55	-1.03	--	--	--	--	--	--	--	--	
1/5/1995	37.13	15.42	0.00	21.71	1.16	ND	--	ND	ND	ND	ND	--	--	
4/5/1995	37.13	12.14	0.00	24.99	3.28	--	--	--	--	--	--	--	--	
7/14/1995	37.13	13.87	0.00	23.26	-1.73	ND	--	ND	ND	ND	ND	--	--	
10/12/1995	37.13	15.17	0.00	21.96	-1.30	--	--	--	--	--	--	--	--	
1/8/1996	37.13	15.05	0.00	22.08	0.12	ND	--	ND	ND	ND	ND	--	--	
7/8/1996	37.13	13.71	0.00	23.42	1.34	ND	--	ND	ND	ND	ND	ND	--	
1/3/1997	37.13	13.12	0.00	24.01	--	97	--	ND	ND	ND	ND	ND	--	
7/2/1997	37.13	14.57	0.00	22.56	-1.45	ND	--	ND	ND	ND	ND	ND	--	
1/15/1998	37.13	13.30	0.00	23.83	1.27	ND	--	ND	ND	ND	ND	ND	--	
7/8/1998	37.13	12.33	0.00	24.80	0.97	ND	--	ND	ND	ND	ND	ND	--	
1/11/1999	37.13	14.60	0.00	22.53	-2.27	ND	--	ND	ND	ND	ND	ND	--	
7/7/1999	37.13	13.23	0.00	23.90	1.37	ND	--	ND	ND	ND	ND	ND	--	
1/4/2000	37.13	14.41	0.00	22.72	-1.18	ND	--	ND	ND	ND	ND	ND	--	
7/15/2000	37.13	14.05	0.00	23.08	0.36	ND	--	ND	ND	ND	ND	ND	--	
1/19/2001	37.13	13.58	0.00	23.55	--	ND	--	ND	ND	ND	ND	ND	--	
7/31/2001	37.13	15.24	0.00	21.89	-1.66	ND	--	ND	ND	ND	ND	ND	--	
1/28/2002	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	--	
4/22/2002	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	--	
5/24/2002	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	
6/21/2002	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	
7/29/2002	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	
8/29/2002	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	
9/14/2002	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	

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														
10/25/2002	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	
11/27/2002	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	
12/19/2002	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	
1/24/2003	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	
2/15/2003	37.13	13.38	0.00	23.75	-0.47	--	ND<50	ND<0.50	ND<0.50	0.98	3.6	--	ND<2	
3/17/2003	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	
4/18/2003	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	
5/19/2003	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	
6/16/2003	37.13	14.41	0.00	22.72	-0.68	--	97	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
7/18/2003	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	
10/1/2003	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	
RW-1	**(Screen Interval in feet: 12.5-27.5)**													
7/8/1998	--	11.72	0.00	--	--	80	--	1.7	ND	ND	ND	1300	--	
1/11/1999	--	14.05	0.00	--	--	ND	--	3.0	ND	ND	ND	1200	--	
7/7/1999	--	13.05	0.00	--	--	ND	--	ND	ND	ND	ND	590	--	
1/4/2000	--	14.26	0.00	--	--	ND	--	ND	ND	ND	ND	270	--	
7/15/2000	--	13.77	0.00	--	--	ND	--	0.55	ND	ND	ND	460	--	
1/19/2001	--	13.29	0.00	--	--	ND	--	ND	ND	ND	ND	338	--	
7/31/2001	--	14.72	0.00	--	--	ND	--	ND	ND	ND	ND	1900	--	
1/28/2002	--	13.21	0.00	--	--	72	--	0.98	ND<0.50	ND<0.50	ND<0.50	460	--	
4/22/2002	--	13.22	0.00	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	290	--	
5/24/2002	--	13.51	0.00	--	--	--	1200	ND<1	ND<1	30	ND<2	--	300	
6/21/2002	--	13.85	0.00	--	--	--	400	ND<0.50	ND<0.50	ND<0.50	ND<1	--	130	
7/29/2002	--	14.11	0.00	--	--	--	130	ND<0.50	ND<0.50	ND<0.50	ND<1	--	91	
8/29/2002	--	14.43	0.00	--	--	--	2400	ND<2	ND<2	47	ND<4.0	--	210	
9/14/2002	--	14.54	0.00	--	--	--	390	ND<0.50	ND<0.50	ND<0.50	ND<1	--	120	
10/25/2002	--	14.95	0.00	--	--	--	2700	0.96	1.1	51	ND<1	--	160	
11/27/2002	--	14.66	0.00	--	--	--	1800	0.91	0.82	31	ND<1	--	170	
12/19/2002	--	13.60	0.00	--	--	--	2900	ND<5	ND<5	50	ND<10	--	200	

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														
1/24/2003	--	12.31	0.00	--	--	--	1800	0.88	0.69	29	ND<1	--	140	
2/15/2003	--	12.88	0.00	--	--	--	480	ND<0.50	ND<0.50	6.8	ND<1	--	88	
3/17/2003	--	12.88	0.00	--	--	--	ND<50	0.62	ND<0.50	21	ND<1	--	86	
4/18/2003	--	12.76	0.00	--	--	--	1600	0.76	0.92	34	ND<1	--	62	
5/19/2003	--	12.91	0.00	--	--	--	1200	0.60	ND<0.50	15	ND<1.5	--	76	
6/16/2003	--	13.55	0.00	--	--	--	760	0.60	0.64	4.1	ND<1	--	100	
7/18/2003	--	14.33	0.00	--	--	--	620	0.61	1.8	3.6	ND<1	--	60	
10/1/2003	--	14.90	0.00	--	--	--	490	0.56	ND<0.50	1.7	ND<1.0	--	15	
Trip Blank	**(Screen Interval in feet: DNA)**													
1/15/1998	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	--	
7/8/1998	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	--	
1/11/1999	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	--	
7/7/1999	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	--	
1/4/2000	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	--	
7/15/2000	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	--	
1/19/2001	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	--	
7/31/2001	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	--	
1/28/2002	--	--	--	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
4/22/2002	--	--	--	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
5/24/2002	--	--	--	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<0.50	
6/21/2002	--	--	--	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<0.50	
7/29/2002	--	--	--	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
8/29/2002	--	--	--	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
9/14/2002	--	--	--	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
10/25/2002	--	--	--	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
11/27/2002	--	--	--	--	--	--	ND<50	ND<0.50	0.69	ND<0.50	ND<1	--	ND<2	
12/19/2002	--	--	--	--	--	--	ND<50	ND<0.50	0.52	ND<0.50	ND<1	--	ND<2	
1/24/2003	--	--	--	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
2/15/2003	--	--	--	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	

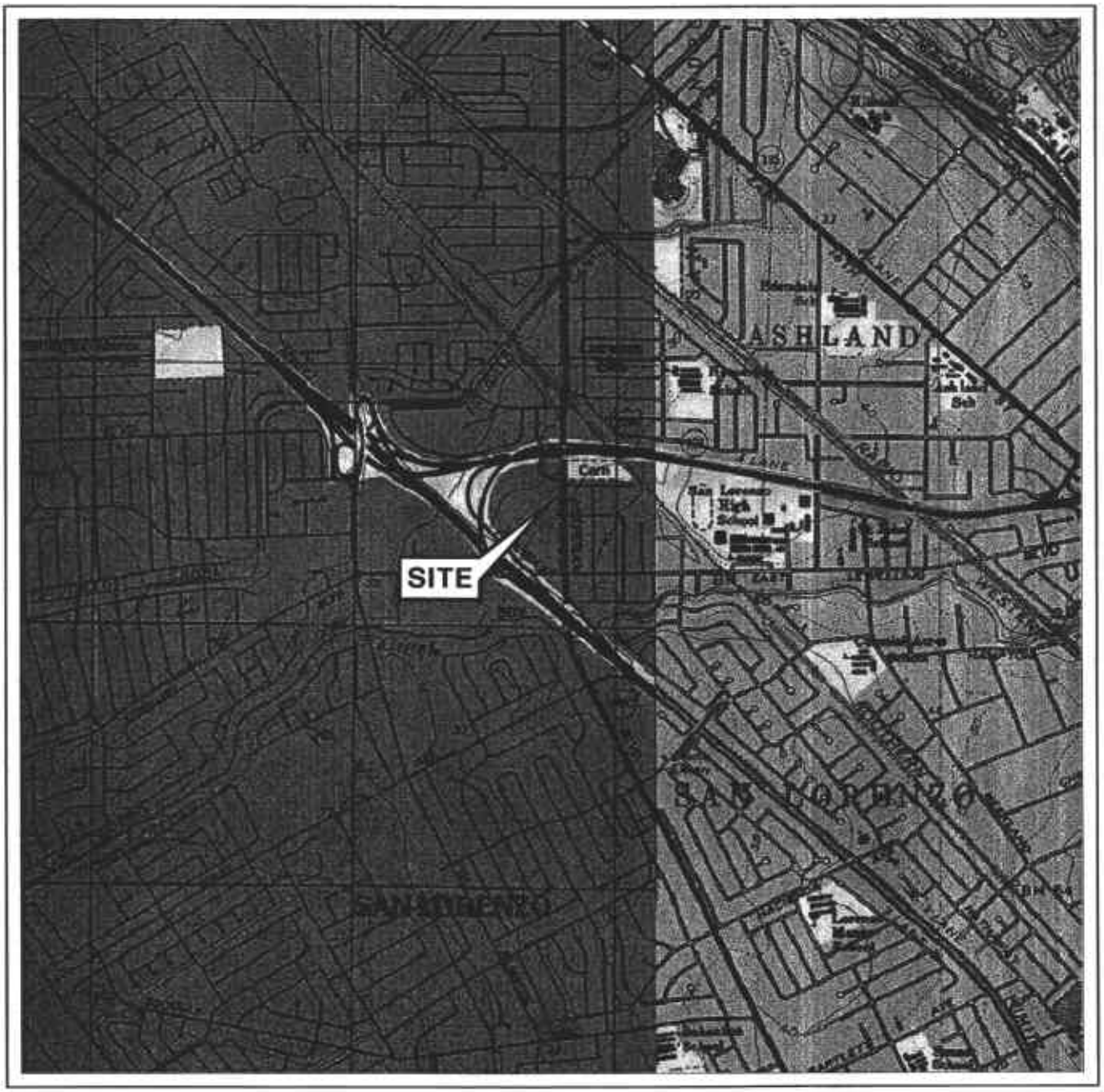
Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
Trip Blank continued														
3/17/2003	--	--	--	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
4/18/2003	--	--	--	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
5/19/2003	--	--	--	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
6/16/2003	--	--	--	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
7/18/2003	--	--	--	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	

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

Date Sampled	EDB	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8260B	1,2 DCE
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-1							
6/16/2003	--	--	--	--	--	ND<500	--
7/18/2003	--	--	--	--	--	ND<500	--
10/1/2003	--	--	--	--	--	ND<50	--
MW-2							
6/16/2003	--	--	--	--	--	ND<500	--
7/18/2003	--	--	--	--	--	ND<500	--
10/1/2003	--	--	--	--	--	ND<50	--
MW-3							
8/25/2000	ND	ND	ND	ND	ND	--	ND
6/16/2003	--	--	--	--	--	ND<10000	--
7/18/2003	--	--	--	--	--	ND<10000	--
10/1/2003	--	--	--	--	--	ND<50	--
MW-4							
6/16/2003	--	--	--	--	--	ND<500	--
7/18/2003	--	--	--	--	--	ND<500	--
10/1/2003	--	--	--	--	--	ND<50	--
MW-5							
6/16/2003	--	--	--	--	--	ND<5000	--
7/18/2003	--	--	--	--	--	ND<2500	--
10/1/2003	--	--	--	--	--	ND<50	--
MW-6							
6/16/2003	--	--	--	--	--	ND<500	--
7/18/2003	--	--	--	--	--	ND<500	--
10/1/2003	--	--	--	--	--	ND<50	--
RW-1							

Date Sampled	EDB	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8260B	1,2 DCE
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
RW-1 continued							
5/24/2002	ND<0.5	ND<1	ND<10	ND<2	ND<1	ND<50	ND<0.5
6/16/2003	--	--	--	--	--	ND<500	--
7/18/2003	--	--	--	--	--	ND<500	--
10/1/2003	--	--	--	--	--	ND<50	--

FIGURES



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

SCALE 1: 24,000

N

SOURCE:

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

VICINITY MAP

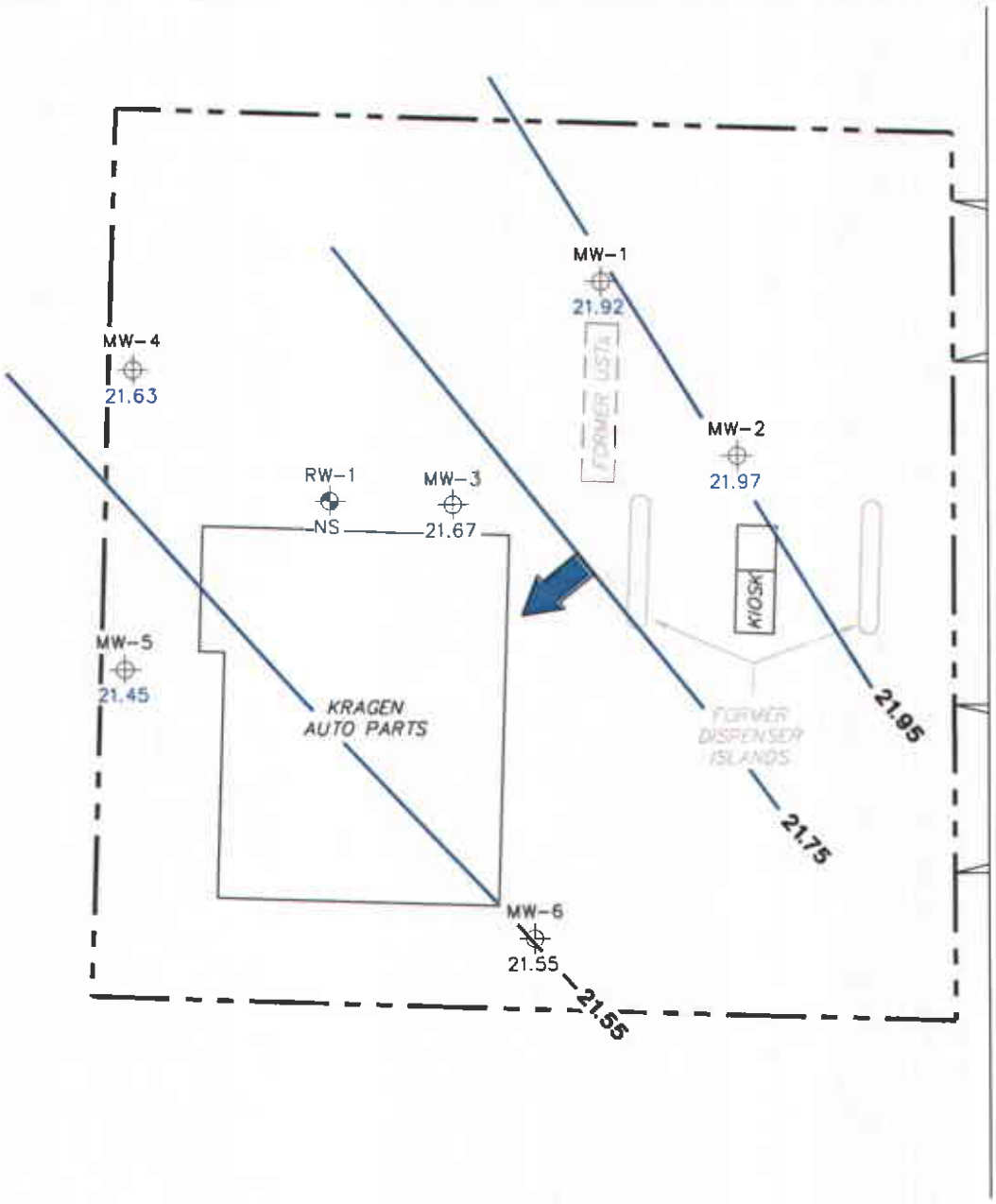
Former 76 Station 7004
15599 Hesperian Boulevard
San Leandro, California

TRC

FIGURE 1

PS = 1:1

Graphics on Ir1(i:)\VICINITY MAPS\7004vm.dwg 11/17/03 jw



LEGEND

- MW-6 — Monitoring Well with Groundwater Elevation (feet)
- RW-1 — Aquifer testing well
- 21.95 — 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
October 1, 2003

Former 76 Station 7004
15599 Hesperian Boulevard
San Leandro, California

TRC

SCALE (FEET)
0 40

PS=1:1

FIGURE 2

Graphics on Ir1(I:)\GRAPHICS\Projects By...\20-xxxx\20-0400\x-7000\7004qms.dwg 12/8/03 bbs

NOTES:

TPPH = total purgeable petroleum hydrocarbons. B = benzene. MTBE = methyl tertiary butyl ether. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. Results obtained using EPA Method 8260B.

LEGEND

Well No.
TPPH µg/l
B µg/l
MTBE µg/l

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

RW-1 Aquifer testing well

DISSOLVED-PHASE HYDROCARBON CONCENTRATIONS MAP
October 1, 2003

Former 76 Station 7004
15599 Hesperian Boulevard
San Leandro, California

TRC

SCALE (FEET)
0 40

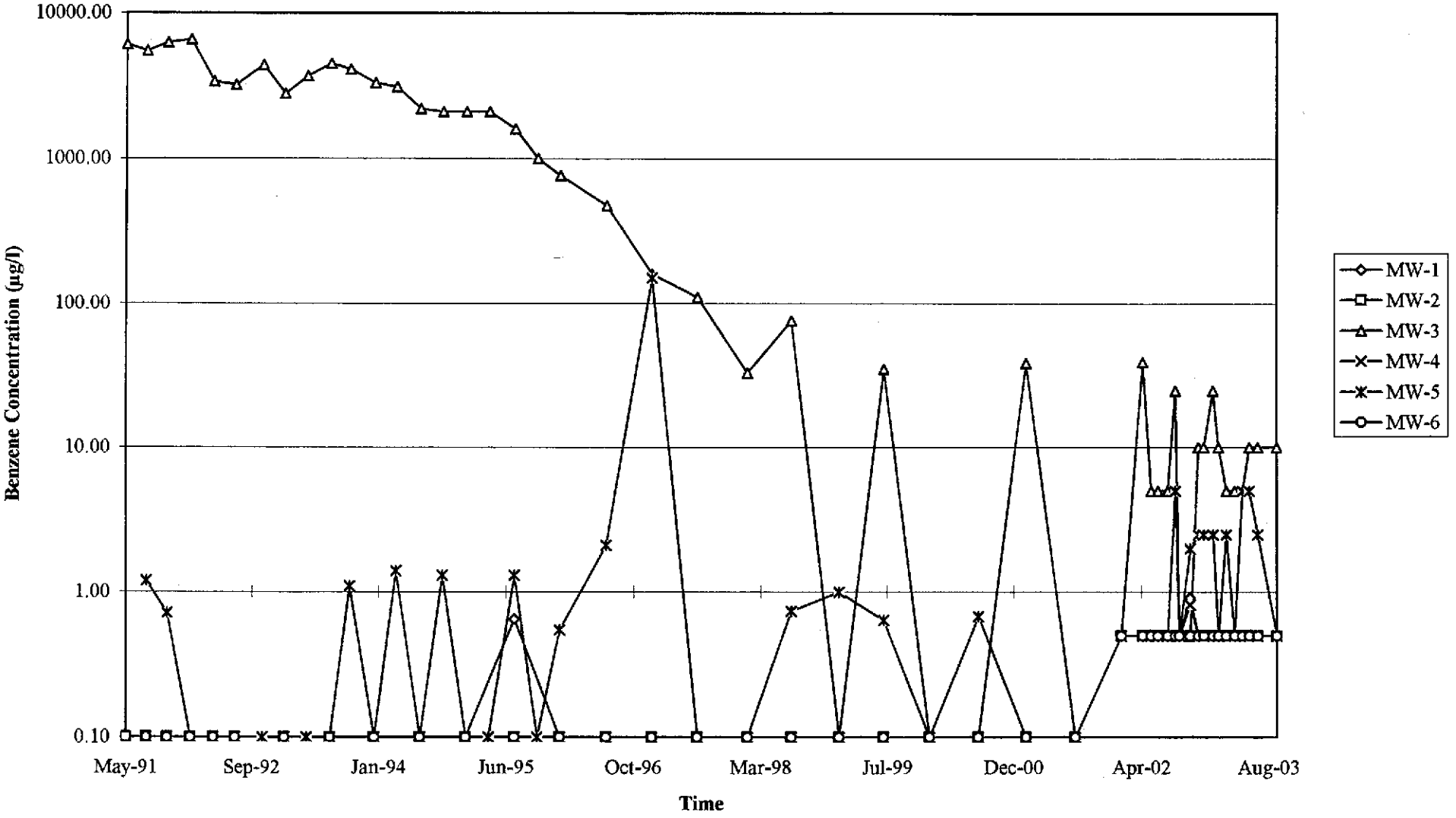
PS=1:1

FIGURE 3

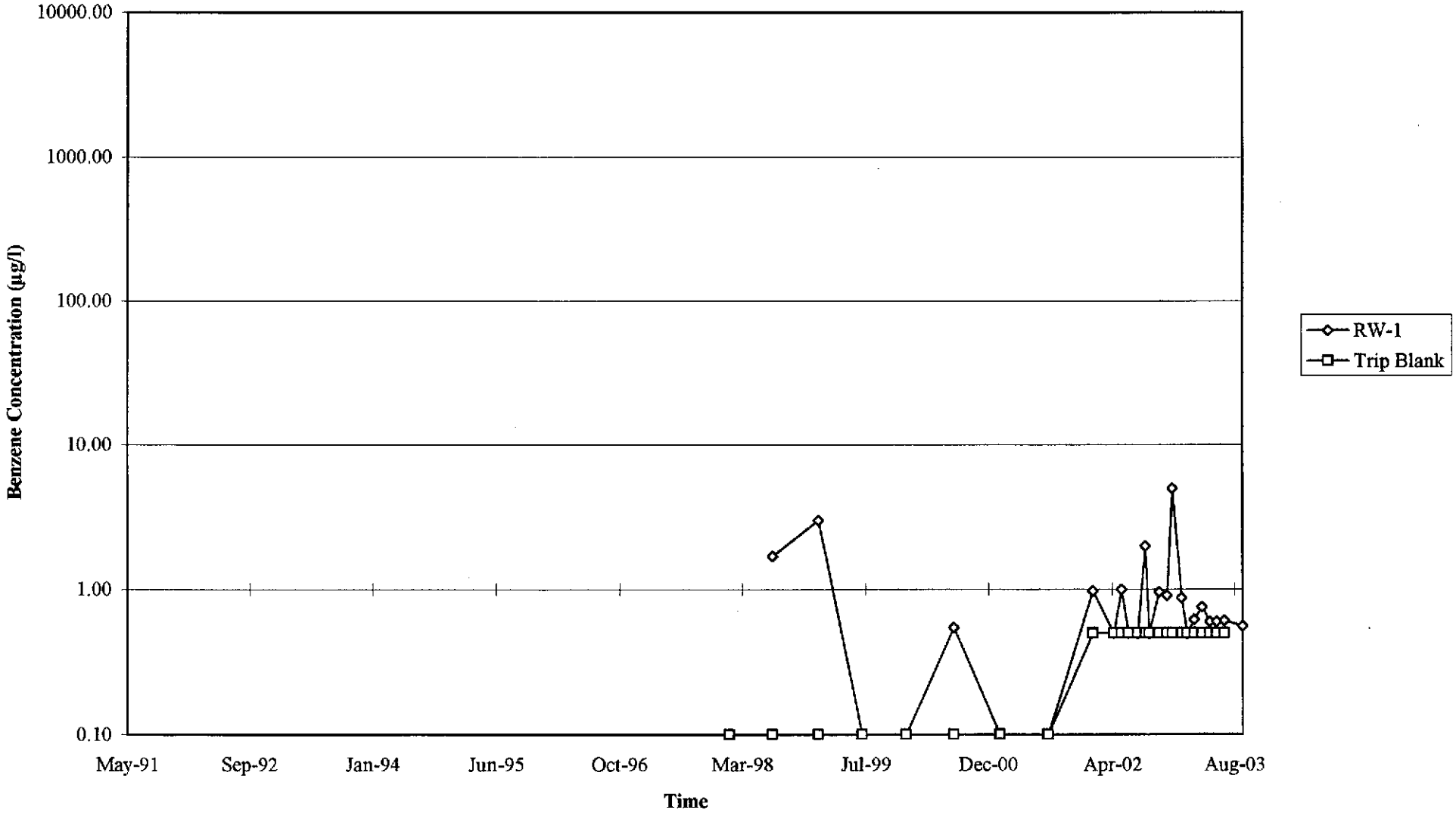
Graphics on Ir1(I:)\GRAPHICS\Projects By...\20-xxxx\20-0400\x-7000\7004qms.dwg 12/8/03 bbs

GRAPHS

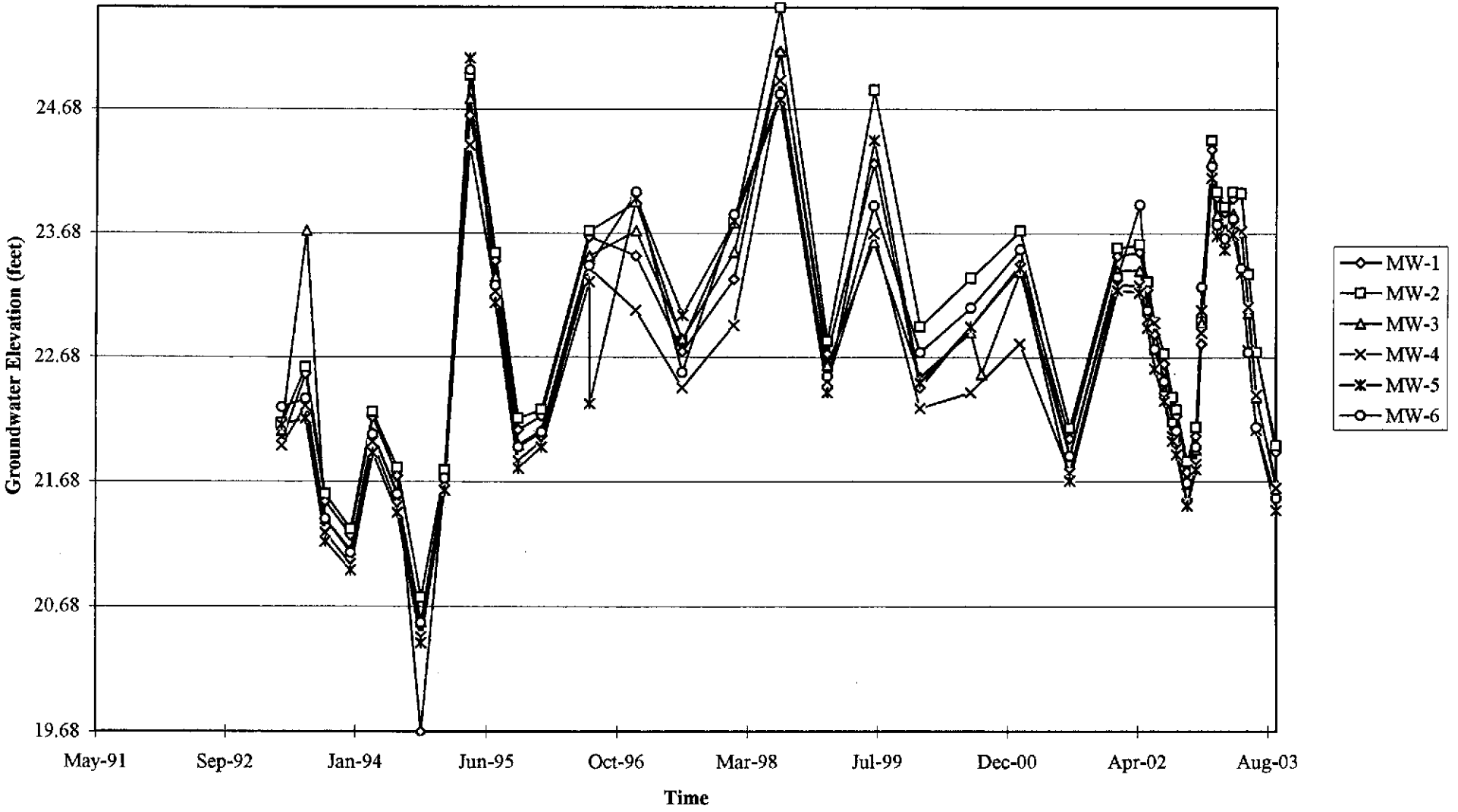
Graph 1
Benzene Concentrations vs. Time
Former 76 Station 7004



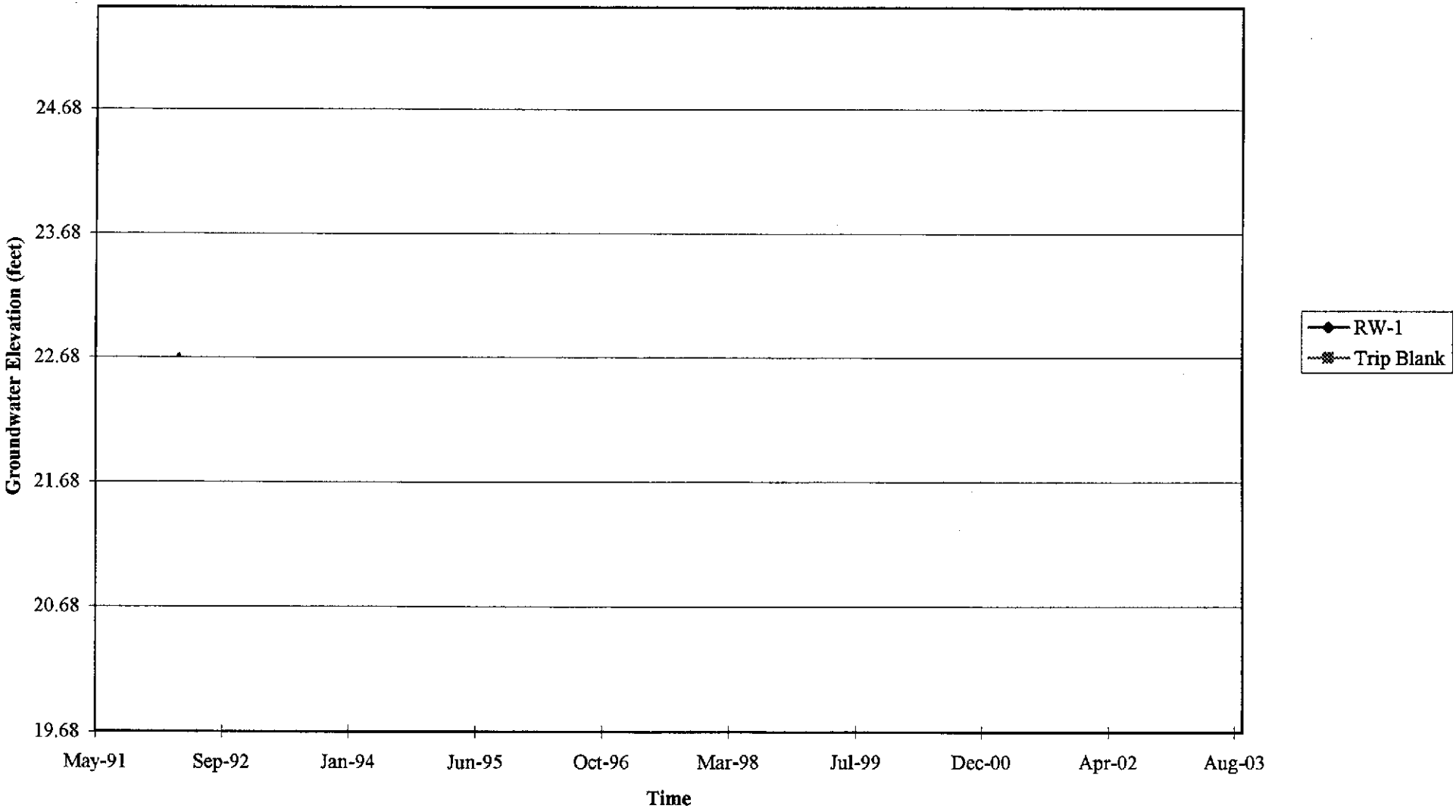
Graph 2
Benzene Concentrations vs. Time
Former 76 Station 7004



Graph 3
Hydrograph
Former 76 Station 7004



Graph 4
Hydrograph
Former 76 Station 7004



GENERAL FIELD PROCEDURES

General field procedures used during fluid level monitoring and groundwater sampling activities are described below.

FLUID LEVEL MONITORING

Fluid levels are monitored in the wells using an electronic interface probe with conductance sensors. The depth to liquid-phase hydrocarbons (LPH) and water is measured relative to the well box top or top of casing. Well box or casing elevations are surveyed to within 0.02 foot relative to a county or city benchmark.

GROUNDWATER SAMPLING

Groundwater monitoring wells are purged and sampled in accordance with standard regulatory protocol. Typically, monitoring wells that contain no LPH are purged of groundwater prior to sampling so that fluids collected are representative of fluids within the formation. Temperature, pH, and specific conductance are typically measured after each well casing volume has been removed. Purging is considered complete when the specified number of casing volumes of fluid have been removed and the three (3) parameters (pH, conductivity, and temperature) have stabilized (see groundwater sampling field notes for volume removed). Samples for laboratory analysis are collected without further purging if the well does not recharge within 2 hours to 80% of its volume before purging.

The purge water is either (1) pumped directly into a licensed vacuum truck; or (2) treated and disposed onsite using the TRC Alton Geoscience Mobile Groundwater Treatment Trailer; or (3) temporarily stored in labeled drums prior to transport to a treatment/recycling facility. If an automatic recovery system (ARS) is operating at the site, purged water may be pumped into the ARS for treatment.

In monitoring wells that are purged and contain measurable LPH, the purged water and LPH removed from wells will be either pumped directly into a licensed vacuum truck and removed from the site, or temporarily stored in labeled drums pending transport to an approved treatment/recycling facility.

With respect to wells that have been designated as "no purge", the wells will be sampled without bailing or pumping fluids from the well prior to collecting the sample. In addition, no purge samples are typically collected from active pumping wells.

GROUNDWATER SAMPLE COLLECTION

Groundwater samples are collected by lowering a ½ to 4-inch-diameter, bottom-fill, disposable polyethylene bailer to just below the static water level in the well. The samples are carefully transferred from the check-valve-equipped bailer to the container specified by the laboratory method. The sample containers are filled to zero headspace and fitted with Teflon-sealed caps. Each sample is labeled with the project number, well number, sample date, and sampler's initials, then transported to a state-certified laboratory for analysis. Samples remain chilled prior to and during shipment to an analytical laboratory.

Chain of custody protocol is followed for all groundwater samples selected for laboratory analysis. The chain of custody form(s) accompanies the samples from the sampling locality to the laboratory, providing a continuous record of possession prior to analysis. When a freight or overnight carrier ships samples, the carrier is noted on the chain of custody form.

DECONTAMINATION

Nitrile gloves are worn at all times during monitoring, sampling, and purging activities. Typically, gloves are changed between each well. All monitoring, sampling, and purging equipment that could contact well fluids is either dedicated to a particular well or cleaned prior to each use in a Liqui-nox solution followed by two rinses: the first rinse in tap water and the final rinse in deionized water.

FIELD MONITORING DATA SHEET

TRC

Technician: Carrillo Job #/Task #: 410500-01 FA20 Date: 6-01-03

Site # 7004 Project Manager Kathie Deskin Page 1 of 1

Well #	Grade	TOC	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
MW-1		X	2394	1447	⊖	⊖	1410	2
MW-2			24.26	15.10			1348	
MW-3			2460	1512			1320	
MW4			2554	1381			1205	
MW5			2601	1536			1145	
MW 6			2553	1558			1125	
RW-1			2665	1490			1251	

FIELD DATA COMPLETE QA/QC COC WELL BOX CONDITION SHEETS

WTT CERTIFICATE MANIFEST DRUM INVENTORY TRAFFIC CONTROL

GROUNDWATER SAMPLING FIELD NOTES

Site: 7004 Project No.: 410500-01 Date: [redacted] 10-01-03

Well No. MW-1
Depth to Water (feet): 14.47
Total Depth (feet) 29.94
Water Column (feet): 9.47
80% Recharge Depth (feet): 16.36

Purge Method: SUB
Depth to Product (feet): 0
LPH & Water Recovered (gallons): 0
Casing Diameter (Inches): 2
1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
0156			2	1103	22.4	7.58
			4	1135	21.9	7.42
	0200		6	1142	21.4	7.19

Static at Time Sampled	Total Purged	Time Sampled
1558	6	0210 = 1410

Comments:

Site:

Well No. MW-2
Depth to Water (feet): 15.19
Total Depth (feet) 24.26
Water Column (feet): 9.07 16.93
80% Recharge Depth (feet):

Project No:
Purge Method: SUB
Depth to Product (feet): 0
LPH & Water Recovered (gallons): 0
Casing Diameter (Inches): 2
1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
0132			2	1050	22.4	7.62
			4	1071	21.9	7.45
	0134		6	1092	21.6	7.28

Static at Time Sampled	Total Purged	Time Sampled
16.50	6	0148 1348

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Site: 7004 Project No.: 41050001 Date: 10-01-03

Well No. MW-3
Depth to Water (feet): 15.12
Total Depth (feet) 24.60
Water Column (feet): 9.48
80% Recharge Depth (feet) 17.01

Purge Method: SUB
Depth to Product (feet): 0
LPH & Water Recovered (gallons): 0
Casing Diameter (Inches): 2
1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
0105			2	1242	21.5	7.20
			4	1225	21.2	7.13
	0108		6	1218	21.6	7.07

Static at Time Sampled	Total Purged	Time Sampled
16.65	6	0120 = 1320

Comments:

Site: Project No.:

Well No. MW-4
Depth to Water (feet): 13.81
Total Depth (feet) 25.54
Water Column (feet): 11.73
80% Recharge Depth (feet): 14.55

Purge Method: SUB
Depth to Product (feet): 0
LPH & Water Recovered (gallons): 0
Casing Diameter (Inches): 2
1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
1153			2	1200	20.0	7.41
			4	1068	21.1	7.30
	1156		6	1095	21.4	7.28

Static at Time Sampled	Total Purged	Time Sampled
14.73	6	1205

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Site: 7004 Project No.: 41050001 Date: 10-01-03

Well No. MW-5
Depth to Water (feet): 15.36
Total Depth (feet) 26.01
Water Column (feet): 10.65
80% Recharge Depth (feet): 17.49

Purge Method: Sub
Depth to Product (feet): 0
LPH & Water Recovered (gallons): 0
Casing Diameter (Inches): 2
1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F C)	pH
1134			2	1320	19.4	7.45
			4	1161	19.7	7.38
	1137		6	1186	20.5	7.16

Static at Time Sampled	Total Purged	Time Sampled
15.81	6	1145

Comments:

Site: Project No.:

Well No. MW 6
Depth to Water (feet): 15.58
Total Depth (feet) 25.53
Water Column (feet): 9.95
80% Recharge Depth (feet): 17.57

Purge Method: Sub
Depth to Product (feet): 0
LPH & Water Recovered (gallons): 0
Casing Diameter (Inches): 2
1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F C)	pH
11.07			2	15.00	16.7	7.43
			4	1278	19.6	7.38
	1110		6	12.67	20.2	7.35

Static at Time Sampled	Total Purged	Time Sampled
16.40	6	1125

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Site: 7004 Project No.: 41050-01 Date: 10-01-03

Well No. RW-1
Depth to Water (feet): 14.90
Total Depth (feet) 26.65
Water Column (feet): 11.75
80% Recharge Depth (feet): 11.25

Purge Method: SUB
Depth to Product (feet): 0
LPH & Water Recovered (gallons): 0
Casing Diameter (Inches): 4
1 Well Volume (gallons): 17

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
1213			17	1180	21.2	7.19
			34	1163	20.2	7.23
	1240		51	1155	21	7.28

Static at Time Sampled	Total Purged	Time Sampled
15.03	51	1251

Comments:

(TOTAL 87 gallons)

Site: _____ Project No.: _____

Well No. _____
Depth to Water (feet): _____
Total Depth (feet) _____
Water Column (feet): _____
80% Recharge Depth (feet): _____

Purge Method: _____
Depth to Product (feet): _____
LPH & Water Recovered (gallons): _____
Casing Diameter (Inches): _____
1 Well Volume (gallons): _____

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

Static at Time Sampled	Total Purged	Time Sampled

Comments:

SEVERN TRENT STL

Submission#: 2003-10-0155

TRC Alton Geoscience

October 10, 2003

21 Technology Drive
Irvine, CA 92718

Attn.: Anju Farfan
Project: ConocoPhillips #7004
Site: 1559 Hesperian Blvd.

Attached is our report for your samples received on 10/02/2003 13:55
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 11/16/2003 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions,

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

Sincerely,

Surinder Sidhu.

Surinder Sidhu
Project Manager

SEVERN TRENT STL

Submission #: 2003-10-0155

Gas/BTEX/MTBE by 8260B

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: ConocoPhillips #7004

Received: 10/02/2003 13:55

Site: 1559 Hesperian Blvd.

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	10/01/2003 14:10	Water	1
MW-2	10/01/2003 13:48	Water	2
MW-3	10/01/2003 13:20	Water	3
MW-4	10/01/2003 12:05	Water	4
MW-5	10/01/2003 11:45	Water	5
MW-6	10/01/2003 11:25	Water	6
RW-1	10/01/2003 12:51	Water	7

Gas/BTEX/MTBE by 8260B

TRC Alton Geoscience

Attn.: Anju Farfan

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

Project: ConocoPhillips #7004

Received: 10/02/2003 13:55

Site: 1559 Hesperian Blvd.

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**MW-1**	Lab ID:	2003-10-0155 - 1
Sampled:	10/01/2003 14:10	Extracted:	10/7/2003 15:03
Matrix:	Water	QC Batch#:	2003/10/07-1C.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	10/07/2003 15:03	
Benzene	ND	0.50	ug/L	1.00	10/07/2003 15:03	
Toluene	ND	0.50	ug/L	1.00	10/07/2003 15:03	
Ethylbenzene	ND	0.50	ug/L	1.00	10/07/2003 15:03	
Total xylenes	ND	1.0	ug/L	1.00	10/07/2003 15:03	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/07/2003 15:03	
Ethanol	ND	50	ug/L	1.00	10/07/2003 15:03	
Surrogate(s)						
1,2-Dichloroethane-d4	103.0	76-130	%	1.00	10/07/2003 15:03	
Toluene-d8	100.0	78-115	%	1.00	10/07/2003 15:03	

Gas/BTEX/MTBE by 8260B

TRC Alton Geoscience

Attn.: Anju Farfan

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

Project: ConocoPhillips #7004

Received: 10/02/2003 13:55

Site: 1559 Hesperian Blvd.

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**MW-2**	Lab ID:	2003-10-0155 - 2
Sampled:	10/01/2003 13:48	Extracted:	10/7/2003 15:24
Matrix:	Water	QC Batch#:	2003/10/07-1C.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	10/07/2003 15:24	
Benzene	ND	0.50	ug/L	1.00	10/07/2003 15:24	
Toluene	ND	0.50	ug/L	1.00	10/07/2003 15:24	
Ethylbenzene	ND	0.50	ug/L	1.00	10/07/2003 15:24	
Total xylenes	ND	1.0	ug/L	1.00	10/07/2003 15:24	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/07/2003 15:24	
Ethanol	ND	50	ug/L	1.00	10/07/2003 15:24	
Surrogate(s)						
1,2-Dichloroethane-d4	95.2	76-130	%	1.00	10/07/2003 15:24	
Toluene-d8	95.8	78-115	%	1.00	10/07/2003 15:24	

Gas/BTEX/MTBE by 8260B

TRC Alton Geoscience

Attn.: Anju Farfan

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

Project: ConocoPhillips #7004

Received: 10/02/2003 13:55

Site: 1559 Hesperian Blvd.

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**MW-3**	Lab ID:	2003-10-0155 - 3
Sampled:	10/01/2003 13:20	Extracted:	10/7/2003 15:47
Matrix:	Water	QC Batch#:	2003/10/07-1C.68

Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	9000	1000	ug/L	20.00	10/07/2003 15:47	
Benzene	ND	10	ug/L	20.00	10/07/2003 15:47	
Toluene	ND	10	ug/L	20.00	10/07/2003 15:47	
Ethylbenzene	820	10	ug/L	20.00	10/07/2003 15:47	
Total xylenes	ND	20	ug/L	20.00	10/07/2003 15:47	
Methyl tert-butyl ether (MTBE)	ND	10	ug/L	20.00	10/07/2003 15:47	
Ethanol	ND	50	ug/L	1.00	10/07/2003 15:47	
Surrogate(s)						
1,2-Dichloroethane-d4	103.5	76-130	%	20.00	10/07/2003 15:47	
Toluene-d8	95.1	78-115	%	20.00	10/07/2003 15:47	

Gas/BTEX/MTBE by 8260B

TRC Alton Geoscience

Attn.: Anju Farfan

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

Project: ConocoPhillips #7004

Received: 10/02/2003 13:55

Site: 1559 Hesperian Blvd.

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**MW-4**	Lab ID:	2003-10-0155 - 4
Sampled:	10/01/2003 12:05	Extracted:	10/7/2003 16:08
Matrix:	Water	QC Batch#:	2003/10/07-1C.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	10/07/2003 16:08	
Benzene	ND	0.50	ug/L	1.00	10/07/2003 16:08	
Toluene	ND	0.50	ug/L	1.00	10/07/2003 16:08	
Ethylbenzene	ND	0.50	ug/L	1.00	10/07/2003 16:08	
Total xylenes	ND	1.0	ug/L	1.00	10/07/2003 16:08	
Methyl tert-butyl ether (MTBE)	0.89	0.50	ug/L	1.00	10/07/2003 16:08	
Ethanol	ND	50	ug/L	1.00	10/07/2003 16:08	
Surrogate(s)						
1,2-Dichloroethane-d4	101.2	76-130	%	1.00	10/07/2003 16:08	
Toluene-d8	98.0	78-115	%	1.00	10/07/2003 16:08	

Gas/BTEX/MTBE by 8260B

TRC Alton Geoscience

Attn.: Anju Farfan

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

Project: ConocoPhillips #7004

Received: 10/02/2003 13:55

Site: 1559 Hesperian Blvd.

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**MW-5**	Lab ID:	2003-10-0155 - 5
Sampled:	10/01/2003 11:45	Extracted:	10/7/2003 16:29
Matrix:	Water	QC Batch#:	2003/10/07-1C.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	220	50	ug/L	1.00	10/07/2003 16:29	g
Benzene	ND	0.50	ug/L	1.00	10/07/2003 16:29	
Toluene	ND	0.50	ug/L	1.00	10/07/2003 16:29	
Ethylbenzene	ND	0.50	ug/L	1.00	10/07/2003 16:29	
Total xylenes	ND	1.0	ug/L	1.00	10/07/2003 16:29	
Methyl tert-butyl ether (MTBE)	100	0.50	ug/L	1.00	10/07/2003 16:29	
Ethanol	ND	50	ug/L	1.00	10/07/2003 16:29	
Surrogate(s)						
1,2-Dichloroethane-d4	98.2	76-130	%	1.00	10/07/2003 16:29	
Toluene-d8	93.2	78-115	%	1.00	10/07/2003 16:29	

Gas/BTEX/MTBE by 8260B

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: ConocoPhillips #7004

Received: 10/02/2003 13:55

Site: 1559 Hesperian Blvd.

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-6	Lab ID:	2003-10-0155 - 6
Sampled:	10/01/2003 11:25	Extracted:	10/7/2003 18:55
Matrix:	Water	QC Batch#:	2003/10/07-1C.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	10/07/2003 18:55	
Benzene	ND	0.50	ug/L	1.00	10/07/2003 18:55	
Toluene	ND	0.50	ug/L	1.00	10/07/2003 18:55	
Ethylbenzene	ND	0.50	ug/L	1.00	10/07/2003 18:55	
Total xylenes	ND	1.0	ug/L	1.00	10/07/2003 18:55	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/07/2003 18:55	
Ethanol	ND	50	ug/L	1.00	10/07/2003 18:55	
Surrogate(s)						
1,2-Dichloroethane-d4	107.1	76-130	%	1.00	10/07/2003 18:55	
Toluene-d8	101.6	78-115	%	1.00	10/07/2003 18:55	

Gas/BTEX/MTBE by 8260B

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: ConocoPhillips #7004

Received: 10/02/2003 13:55

Site: 1559 Hesperian Blvd.

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**RW-1**	Lab ID:	2003-10-0155 - 7
Sampled:	10/01/2003 12:51	Extracted:	10/7/2003 19:16
Matrix:	Water	QC Batch#:	2003/10/07-1C.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	490	50	ug/L	1.00	10/07/2003 19:16	
Benzene	0.56	0.50	ug/L	1.00	10/07/2003 19:16	
Toluene	ND	0.50	ug/L	1.00	10/07/2003 19:16	
Ethylbenzene	1.7	0.50	ug/L	1.00	10/07/2003 19:16	
Total xylenes	ND	1.0	ug/L	1.00	10/07/2003 19:16	
Methyl tert-butyl ether (MTBE)	15	0.50	ug/L	1.00	10/07/2003 19:16	
Ethanol	ND	50	ug/L	1.00	10/07/2003 19:16	
Surrogate(s)						
1,2-Dichloroethane-d4	95.1	76-130	%	1.00	10/07/2003 19:16	
Toluene-d8	96.1	78-115	%	1.00	10/07/2003 19:16	

Gas/BTEX/MTBE by 8260B

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: ConocoPhillips #7004

Received: 10/02/2003 13:55

Site: 1559 Hesperian Blvd.

Batch QC Report

Prep(s): 5030B — Test(s): 8260FAB

Method Blank — **Water** — **QC Batch # 2003/10/07-1C.68**

MB: 2003/10/07-1C.68-050 — Date Extracted: 10/07/2003 11:50

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	10/07/2003 11:50	
Benzene	ND	0.5	ug/L	10/07/2003 11:50	
Toluene	ND	0.5	ug/L	10/07/2003 11:50	
Ethylbenzene	ND	0.5	ug/L	10/07/2003 11:50	
Total xylenes	ND	1.0	ug/L	10/07/2003 11:50	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/07/2003 11:50	
Ethanol	ND	50	ug/L	10/07/2003 11:50	
Surrogates(s)					
1,2-Dichloroethane-d4	99.1	76-130	%	10/07/2003 11:50	
Toluene-d8	97.3	78-115	%	10/07/2003 11:50	

Gas/BTEX/MTBE by 8260B

TRC Alton Geoscience

Attn.: Anju Farfan

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

Project: ConocoPhillips #7004

Received: 10/02/2003 13:55

Site: 1559 Hesperian Blvd.

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike **Water** **QC Batch # 2003/10/07-1C.68**

LCS 2003/10/07-1C.68-005 Extracted: 10/07/2003 Analyzed: 10/07/2003 11:05

LCSD 2003/10/07-1C.68-028 Extracted: 10/07/2003 Analyzed: 10/07/2003 11:28

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	23.3	23.5	25	93.2	94.0	0.9	69-129	20		
Toluene	23.2	23.3	25	92.8	93.2	0.4	70-130	20		
Methyl tert-butyl ether (MTBE)	21.8	23.6	25	87.2	94.4	7.9	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	493	517	500	98.6	103.4		76-130			
Toluene-d8	499	507	500	99.8	101.4		78-115			

Gas/BTEX/MTBE by 8260B

TRC Alton Geoscience

Attn.: Anju Farfan

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

Project: ConocoPhillips #7004

Received: 10/02/2003 13:55

Site: 1559 Hesperian Blvd.

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.

SEVERN TRENT STL

STL San Francisco

Sample Receipt Checklist

Submission #:2003- 10 - 0155

Checklist completed by: (initials) DSH Date: 10 /03 /03

Courier name: ☐ STL San Francisco ☐ Client WORLD

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^{o} C ± 2)?	Temp: 6.0 °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: ☐ HNO_3 ☐ HCl ☐ H_2SO_4 ☐ NaOH ☐ ZnOAc –**Lot #(s)** _____

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

Comments: _____

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

Project Manager: (initials) _____ Date: ___/___/03

Client contacted: ☐ Yes ☐ No

Summary of discussion: _____

Corrective Action (per PM/Client): _____

ConocoPhillips Chain Of Custody Record

78005

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

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

2003-10-0155

ConocoPhillips Work Order Number:
ConocoPhillips Cost Object:

DATE: 10-01-03
PAGE: 1 of 1

SAMPLING COMPANY:	TRC
Valid Value ID:	
CONOCOPHILLIPS SITE NUMBER	7004
GLOBAL ID NO.:	
ADDRESS:	21 Technology Drive, Irvine, CA 92618
SITE ADDRESS (Street and City):	15599 Hesperian Blvd
PROJECT CONTACT (Hardcopy or PDF Report to):	Anju Farfan
EDF DELIVERABLE TO (RP or Designee):	Chris Rentz, crentz@trcsolutions.com
PHONE NO.:	949-753-0101
E-MAIL:	
LAB USE ONLY	
TELEPHONE:	949-341-7440
FAX:	949-753-0111
E-MAIL:	afarfan@trcsolutions.com
SAMPLER NAME(S) (Print):	Carrillo
CONSULTANT PROJECT NUMBER	

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

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

* Field Point name only required if different from Sample ID

REQUESTED ANALYSES

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	8015m - TPHd Extractable	8260B - [illegible]/BTEX/MtBE	8260B - TPHg / BTEX / 8 Oxygenates	8260B - TPHg / BTEX / 8 oxygenates + methanol (8015M)	8260B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	8015M / 8021B - TPHg/BTEX/MtBE	Lead ☐Total ☐STLC ☐TCLP	Ethanol by 8260B	TPPH - by 8260B	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	MW-1	10-1-03	1410	GW	3		X							X	X	6.0 °C
	MW-2	↓	1348	↓	↓		↓							↓	↓	
	MW 3	↓	1320	↓	↓		↓							↓	↓	
	MW 4	↓	1205	↓	↓		↓							↓	↓	
	MW 5	↓	1145	↓	↓		↓							↓	↓	
	MW 6	↓	1125	↓	↓		↓							↓	↓	
	RW-1	↓	1251	↓	↓		↓							↓	↓	

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	Alfredo	10-02-03	13:17
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature) Alfredo [signature] STL. SF	10-02-03	1355

9/19/03 Revision

TRC Customer Focused Solutions
5052 Commercial Circle
Concord, CA 94520-1248

Statement of Authorized Transportation and Disposal

This is to certify that non-hazardous groundwater produced during purging and sampling of monitoring wells at ConocoPhillips site number 7004 was accumulated at TRC's groundwater monitoring facility at Concord, California, for transportation by Onyx Transportation, Inc. to the ConocoPhillips Refinery at Rodeo California for disposal. TRC records indicate that approximately 87 gallons of purge water from the site were transferred to the purge water holding tank on 10/1/03. The contents of the holding tank were transported to the Unit 100 Water Treatment Facility at the Rodeo Refinery on 11/3/03.

Disposal at the facility was authorized by ConocoPhillips in accordance with "ESD Standard Operating Procedures – Water Quality and Compliance", as revised on February 7, 2003. The procedure requires that TRC dispose only of monitoring well purge water from sites for which TRC services are under contract by ConocoPhillips. The non-hazardous nature of the purge water is confirmed quarterly by analysis by an independent certified laboratory of a random sample from the TRC holding facility . The sample is analyzed for all analytes and parameters that might affect the ConocoPhillips NPDES permit for ultimate disposal of the water. Documentation of compliance with ConocoPhillips requirements is provided by an ESD Form R-149, which is on file with ConocoPhillips.

In witness of this statement

Dennis E. Jensen — 12/16/03
Dennis E. Jensen — date
QMS Program Manager

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.