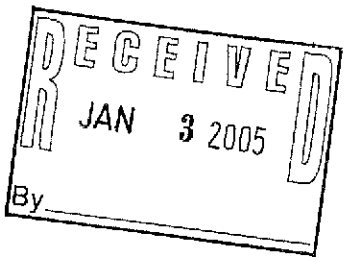
RO 499

ConocoPhillips



76 Broadway
Sacramento, CA 95818
phone 916.558.7676
fax 916.558.7639

December 28, 2004

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

Re: **Document Transmittal**
Fuel Leak Case
76 Station #5367
500 Bancroft Avenue
San Leandro, CA

Dear Mr. Hwang:

Please find attached Delta's *Semi-annual Summary Report, dated 12/10/04,* and TRC's *Semi-annual Monitoring Report, dated 10/28/04* for the above referenced site. I declare, under penalty of perjury, that to the best of my knowledge the information and/or recommendations contained in the attached proposal or report is true and correct.

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

Sincerely,

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

Attachment
cc: Steve Meeks, Delta

Delta
Environmental
Consultants, Inc.

Solving environment-related business problems worldwide

3164 Gold Camp Drive • Suite 200
Rancho Cordova, California 95670 USA

916.638.2085 800.477.7411
Fax 916.638.8385

3164 Gold Camp Dr., Suite 200
Rancho Cordova, CA 95670
916-536-2616 TEL
916-638-8385 FAX

www.deltaenv.com

December 10, 2004

Mr. Thomas Kosel
ConocoPhillips
76 Broadways Avenue
Sacramento, CA 95818

RE: **Semi-Annual Summary Report-Second and Third Quarter 2004**
Delta Project Number: C1DD-QSR-1

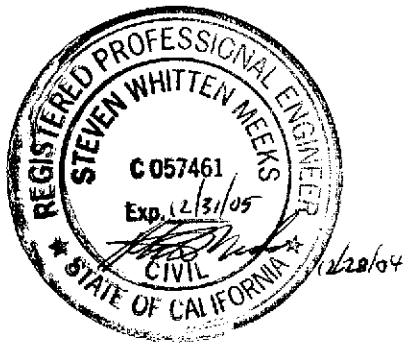
Dear Mr. Kosel:

On behalf of ConocoPhillips, Delta Environmental Consultants, Inc. is forwarding this Semi-Annual Summary report and TRC's Semi-Annual Monitoring Report, dated 10/28/04, for the following location:

Service Station	**Location**
76 Service Station No. 5367	500 Bancroft Ave. San Leandro, California

Sincerely,
Delta Environmental Consultants, Inc.

Steven W. Meeks, PE
Project Manager



cc:

3164 Gold Camp Dr., Suite 200
Rancho Cordova, CA 95670
916-536-2616 TEL
916-638-8385 FAX

SEMI-ANNUAL SUMMARY REPORT
Second and Third Quarter 2004

76 Service Station No. 5367
500 Bancroft Avenue
San Leandro, California

City/County ID #: San Leandro

County: Alameda

PREVIOUS ASSESSMENT

The Site is located at 500 Bancroft Avenue in San Leandro, California

In 1987 all of the Underground Storage Tanks (USTs) and their associated piping were replaced. In conjunction with the removal of the USTs and piping, over 250 cubic yards of contaminated soil was also removed. The limited environmental investigation in 1987 included the drilling of one borehole and the construction of onsite groundwater monitoring well (MW-1). This investigation indicated that floating gasoline product was present on the groundwater beneath the site. Approximately ¼ of an inch of clear gasoline product was measured at the time of completion of the monitoring well. Approximately 120 pounds of free product was removed by bailing. The results of this activity are documented in a report titled *Subsurface Environmental Investigation Report* prepared by Applied Geosystems dated December 16, 1987.

During September and October, 1988 additional assessment was performed. This investigation included drilling and installing 3 additional onsite groundwater monitoring wells (MW-2 through MW-4). The results of this investigation indicate that soil contamination appears to be limited to a zone between depths of 30 and 36 feet west and south of the tank pit. The results of this investigation are documented in a report titled *Subsurface Environmental Investigation Report* prepared by Applied Geosystems dated November 18, 1998.

In February, 1990 four additional groundwater monitoring wells (MW-5 through MW-8 were installed. MW-5 was installed onsite and MW-6 through MW-8 were installed offsite. This investigation report stated the results of this and previous investigations indicated the presence of gasoline-related hydrocarbons beneath the site and offsite toward the southwest (well MW-8). Hydrocarbons in the soil and groundwater have been delineated east of the UST's and West of the site. Additional work may be needed to delineate hydrocarbons in groundwater North, Southwest and South of the site. The results of this investigation are documented in a report titled *Supplemental Subsurface Investigation* prepared by Applied Geosystems dated August 10, 1990.

Between mid-1994 and mid 1995 two additional monitoring wells (MW-9 and MW-10) were installed west and south of the site respectively and added to the quarterly monitoring and sampling program.

Between March 1996 & March 1997 a Soil vapor Extraction (SVE) and groundwater extraction systems operated at the site. During this time the systems processed 637,151 gallons of water. An estimated 180 pounds of TPH-g was removed by the SVE system and 108 pounds of TPH-g was removed by the groundwater extraction system.

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In November of 1998 the product piping was replaced again, and this time, approximately 30 cubic yards of soil was removed. Spill containment sumps and electronic leak detection was also installed at this time. This activity is documented in a report titled *Product Piping Removal Activities* prepared by Pacific Environmental Group (Pacific) dated December 2, 1998.

SENSITIVE RECEPTOR SURVEY

A record search performed in 1990 indicated at least 15 wells are within ½ mile of the site. Groundwater within the vicinity of the site is dominantly used for irrigation. Five of the wells are downgradient and within approximately 600 feet of the site. One well is used for irrigation, one is abandoned and records of the status of the other wells were not available at the time of the record search. No municipal wells are within ½ mile radius of the site. The nearest water-supply wells are located approximately 400 feet southwest of the site. This information is documented in a report titled *Supplemental Subsurface Investigation* prepared by Applied Geosystems dated August 10, 1990.

MONITORING AND SAMPLING

Currently there are nine monitoring wells (five onsite and 4 offsite) included in the monitoring and sampling program. Monitoring well MW-9 had been used in the past but has been paved over and inaccessible since 2002.

Site has been under a semi-annual sampling schedule since March, 1996. Between 1991 and 1996, the interval was primarily quarterly.

REMEDIATION STATUS

In 1987 as part of a UST and associated piping replacement over 250 cubic yards of contaminated soil was also removed.

Between March 1996 & March 1997 a Soil vapor Extraction (SVE) and groundwater extraction systems operated at the site. During this time, the systems processed 637,151 gallons of water. An estimated 180 pounds of TPH-g was removed by the SVE system and 108 pounds of TPH-g was removed by the groundwater extraction system.

In November of 1998, during the replacement of product piping, approximately 30 cubic yards of soil was removed

CHARACTERIZATION STATUS

The extent of hydrocarbon impact in soils beneath the site has been defined. Residual hydrocarbon contamination appears to be limited to the West and South of the tank pit, in the depth zone between 30 and 36 feet below ground surface (bgs). The extent of hydrocarbons in groundwater is well understood. The residual dissolved hydrocarbon plume beneath the site is stable and has declined significantly since 1993.

<u>April through September, 2004 discussion:</u>
Nine wells (5 onsite and 4 offsite) were sampled and gauged. MW-9 has been paved over and inaccessible since 2002.

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The groundwater elevation dropped 5.64 feet from the Marc, 2004 event. Depths to groundwater ranged from 30.42 to 32.42 feet bgs.

Interpreted groundwater gradient ranged from 0.003 ft/ft to 0.01 ft/ft in September, 2004.

The gradient was interpreted as 0.003 ft/ft in March, 2004.

The groundwater flow direction shifted to Southwest and East from only Southwest in March, 2004.

Note: MW-1 was not included in the groundwater contour interpretation.

Chemicals of Concern:
TPHH: TPHH concentrations remained relatively unchanged from the March, 2004 event. Only 1 well is > 1,000 µg/l; MW-1 with a concentration of 29,000 µg/l. Remaining sampled wells are <1,000 µg/l or ND<50 µg/l

Benzene: Only detected in MW-1 at a concentration of 15 µg/l which is similar to the concentration of 10 µg/l detected in March, 2004. All other sampled wells were ND<.5 µg/l

MTBE: Essentially non-detect in all wells.

RECENT CORRESPONDENCE

No regulatory correspondence sent or received in the second and third quarter, 2004.

This Semi-annual Activities (Second and Third quarter 2004)

1. TRC performed April through September, 2004 monitoring and sampling event on September, 24, 2004.
2. Meeting held between ConocoPhillips and Alameda County in late September, 2004 to discuss site prioritization and potential closure.

NEXT SEMI-ANNUAL ACTIVITIES (Fourth quarter 2004 and First quarter, 2005)

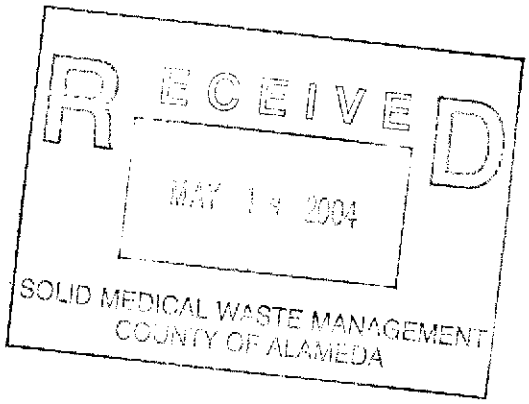
1. TRC to prepare and submit the April through September Semi-Annual Monitoring Report.
2. Delta to maintain dialogue with Alameda County regarding potential closure.

CONSULTANT: Delta Environmental Consultants, Inc.

RO-499

TRC

Customer-Focused Solutions



April 28, 2004

ConocoPhillips Company
76 Broadway Avenue
Sacramento, CA 95818

ATTN: MR. THOMAS H. KOSEL

SITE: 76 STATION 5367
500 BANCROFT AVENUE
SAN LEANDRO, CALIFORNIA

RE: SEMI-ANNUAL MONITORING REPORT
OCTOBER 2003 THROUGH MARCH 2004

Dear Mr. Kosel:

Please find enclosed our Semi-Annual Monitoring Report for 76 Station 5367, located at 500 Bancroft Avenue, 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 Services
Mr. Michael Bakaldin, City of San Leandro Fire Department
Mr. Steve Meeks, Delta Environmental

Enclosures
20-0400/5367RO1.QMS

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

TRC

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FLUID LEVEL MONITORING AND GROUNDWATER SAMPLING REPORT

OCTOBER 2003 THROUGH MARCH 2004

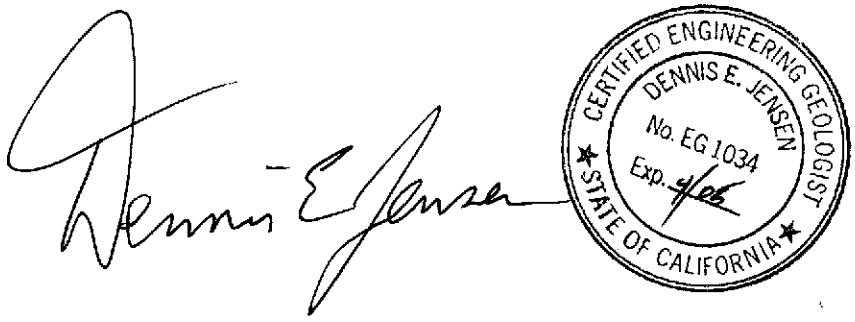
April 28, 2004

76 STATION 5367
500 Bancroft Avenue
San Leandro, California

Prepared For:

Mr. Thomas H. Kosel
CONOCOPHILLIPS COMPANY
76 Broadway Avenue
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 TPPH Concentration Map Figure 4: Dissolved-Phase Benzene Concentration Map Figure 5: Dissolved-Phase MTBE 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
Statements	Purge Water Transport and Disposal Limitations

Summary of Gauging and Sampling Activities

76 Station 5367
500 Bancroft Avenue
San Leandro, CA

Site Information:

Site:	76 Station 500 Bancroft Avenue San Leandro, CA
Project Coordinator/Phone Number:	Thomas Kosel/916-558-7666
Groundwater wells onsite:	5
Groundwater wells offsite:	5

Field Activity:

Sampling consultant:	TRC
Date(s) sampled:	03/11/04
Groundwater wells gauged:	9
Groundwater wells sampled:	9
Purging method:	bailer
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):	24.78
Maximum depth to groundwater (feet bgs):	26.8
Average groundwater elevation (feet relative to mean sea level):	32.37
Average change in groundwater elevations since previous event (feet):	4.89
Groundwater gradient and flow direction:	0.003 ft/ft, Southwest

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

Wells with benzene concentrations below MCL:	8
Wells with benzene concentrations at or above MCL:	1
Minimum benzene concentration (µg/l):	ND
Maximum benzene concentration (µg/l):	10 (MW-1)
Minimum MTBE concentration (µg/l):	ND
Maximum MTBE concentration (µg/l):	ND
Minimum TPPH concentration (µg/l):	ND
Maximum TPPH concentration (µg/l):	23000 (MW-1)
Groundwater wells with free product:	0
Minimum free product thickness (feet):	0
Maximum free product thickness (feet):	0

Additional Information:

MW-9=Covered with asphalt,

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 for 76 Station 5367 was provided by Gettler-Ryan Inc., Dublin, California, in an excel table received in September 2003.

Table 1

SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS

March 11, 2004

76 Station 5367

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: 10.0-35.0)**												
03/11/04	57.83	25.57	0.00	32.26	3.97	--	23000	10	ND<5.0	1100	2100	--	ND<20	
MW-2		**(Screen Interval in feet: 28.0-48.0)**												
03/11/04	58.13	25.41	0.00	32.72	3.93	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
MW-3		**(Screen Interval in feet: 23.0-48.0)**												
03/11/04	57.92	25.03	0.00	32.89	4.01	--	130	ND<0.50	ND<0.50	1.1	ND<1.0	--	ND<2.0	
MW-4		**(Screen Interval in feet: 23.0-48.0)**												
03/11/04	58.29	26.07	0.00	32.22	3.92	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
MW-5		**(Screen Interval in feet: 25.0-45.0)**												
03/11/04	58.50	26.05	0.00	32.45	3.99	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
MW-6		**(Screen Interval in feet: 25.0-45-0)**												
03/11/04	56.96	24.78	0.00	32.18	4.00	--	69	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
MW-7		**(Screen Interval in feet: 24.0-44.0)**												
03/11/04	57.25	25.09	0.00	32.16	4.05	--	72	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
MW-8		**(Screen Interval in feet: 24.0-44.0)**												
03/11/04	57.71	25.42	0.00	32.29	4.04	--	950	ND<0.50	ND<0.50	15	1.4	--	ND<2.0	
MW-9		**(Screen Interval in feet: 20.0-45.0)**												
03/11/04	56.47	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
MW-10		**(Screen Interval in feet: 20.0-45.0)**												
03/11/04	58.94	26.80	0.00	32.14	12.07	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	

Table 2
HISTORIC GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
September 1987 Through March 2004
76 Station 5367

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: 10.0-35.0)**													
09/24/87	57.83	33.24	0.01	24.60	--	--	--	--	--	--	--	--	--	
10/06/87	57.83	33.39	0.01	24.45	-0.15	--	--	--	--	--	--	--	--	
11/05/87	57.83	34.14	0.31	23.92	-0.52	--	--	--	--	--	--	--	--	
11/13/87	57.83	34.15	0.38	23.97	0.04	--	--	--	--	--	--	--	--	
11/19/87	57.83	33.89	0.06	23.99	0.02	--	--	--	--	--	--	--	--	
04/27/88	57.83	32.40	0.01	25.44	1.45	--	--	--	--	--	--	--	--	
09/07/88	57.83	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
10/03/88	57.83	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
01/27/89	57.83	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
02/16/90	57.83	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
07/19/90	57.83	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
08/24/90	57.83	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
11/30/90	57.83	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
02/06/91	57.83	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
05/06/91	57.83	33.00	0.00	24.83	--	--	--	--	--	--	--	--	--	
09/27/91	57.83	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
03/31/92	57.83	31.00	0.00	26.83	--	330000	--	8200	33000	6800	36000	--	--	
06/18/92	57.83	32.76	0.00	25.07	-1.76	680000	--	9000	40000	7600	44000	--	--	
10/16/92	57.83	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
11/18/92	57.83	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
03/03/93	57.83	26.03	0.00	31.80	--	330000	--	3800	21000	4200	24000	--	--	
06/25/93	57.83	28.36	0.00	29.47	-2.33	160000	--	4300	36000	5800	34000	--	--	
09/03/93	57.83	30.80	0.00	27.03	-2.44	160000	--	3900	41000	6800	38000	--	--	
12/13/93	57.83	32.73	0.00	25.10	-1.93	140000	--	3600	37000	7100	40000	--	--	
03/18/94	57.83	30.10	0.00	27.73	2.63	99000	--	3800	37000	6800	36000	--	--	

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														
06/23/94	57.83	31.32	0.00	26.51	-1.22	150000	--	2500	33000	6400	37000	--	--	
09/21/94	57.83	33.21	0.00	24.62	-1.89	110000	--	2500	23000	4500	25000	--	--	
12/19/94	57.83	30.97	0.00	26.86	2.24	200000	--	2400	28000	6600	37000	--	--	
03/27/95	57.83	22.77	0.00	35.06	8.20	88000	--	1500	20000	4200	25000	--	--	
06/26/95	57.83	25.69	0.00	32.14	-2.92	130000	--	1000	23000	5600	33000	--	--	
07/28/95	57.83	26.97	0.00	30.86	-1.28	--	--	--	--	--	--	--	--	
09/28/95	57.83	29.55	0.00	28.28	-2.58	100000	--	810	21000	6500	37000	--	--	
10/24/95	57.83	29.99	0.00	27.84	-0.44	--	--	--	--	--	--	--	--	
12/29/95	57.83	30.40	0.00	27.43	-0.41	110000	--	990	22000	8300	47000	--	--	
03/27/96	57.83	22.29	0.00	35.54	8.11	120000	--	920	17000	7100	41000	--	180	
09/21/96	57.83	29.44	0.00	28.39	-7.15	110000	--	270	3500	5900	16000	--	260	
03/31/97	57.83	24.18	0.00	33.65	5.26	82000	--	240	8700	3800	23000	--	--	
09/27/97	57.83	31.86	0.00	25.97	-7.68	81000	--	ND	1000	5900	31000	--	--	
03/20/98	57.83	16.88	0.00	40.95	14.98	52000	--	--	350	2900	14000	--	--	
09/09/98	57.83	26.21	0.00	31.62	-9.33	59000	--	51	64	6000	4800	--	--	
03/11/99	57.83	23.60	0.00	34.23	2.61	60000	--	130	--	2900	12000	--	--	
09/08/99	57.83	28.70	0.00	29.13	-5.10	74000	--	--	--	2600	10000	--	--	
03/24/00	57.83	21.61	0.00	36.22	7.09	37000	--	--	--	1980	6880	--	--	
09/15/00	57.83	28.19	0.00	29.64	-6.58	45800	--	--	--	3150	10500	--	--	
03/16/01	57.83	25.59	0.00	32.24	2.60	37500	--	76.2	16.6	2010	7330	--	--	
08/31/01	57.83	29.03	0.00	28.80	-3.44	62000	--	79	ND<50	3000	13000	ND<250	--	
03/15/02	57.83	25.58	0.00	32.25	3.45	26000	--	43	22	2400	10000	ND<100	--	
09/26/02	57.83	29.51	0.00	28.32	-3.93	--	56000	31	ND<25	2500	11000	--	ND<100	
03/16/03	57.83	26.71	0.00	31.12	2.80	--	43000	ND<250	ND<250	2200	6800	--	ND<1000	
09/03/03	57.83	29.54	0.00	28.29	-2.83	--	55000	ND<50	ND<50	2200	4200	--	ND<200	
03/11/04	57.83	25.57	0.00	32.26	3.97	--	23000	10	ND<5.0	1100	2100	--	ND<20	
MW-2	**(Screen Interval in feet: 28.0-48.0)**													
10/03/88	58.13	36.04	0.00	22.09	--	1760	--	47.8	7.4	20.9	81.6	--	--	
01/27/89	58.13	34.77	0.00	23.36	1.27	510	--	58	8.7	22.6	20.3	--	--	

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														
02/16/90	58.13	34.50	0.00	23.63	0.27	840	--	50	0.5	28	44	--	--	
05/01/90	58.13	--	--	--	--	1000	--	39	--	32	52	--	--	
07/19/90	58.13	35.72	0.00	22.41	--	--	--	--	--	--	--	--	--	
08/24/90	58.13	36.30	0.00	21.83	-0.58	330	--	17	--	19	20	--	--	
11/30/90	58.13	37.40	0.00	20.73	-1.10	400	--	41	--	39	37	--	--	
02/07/91	58.13	37.27	0.00	20.86	--	510	--	40	--	29	44	--	--	
05/06/91	58.13	33.31	0.00	24.82	3.96	2300	--	150	10	52	110	--	--	
09/27/91	58.13	36.86	0.00	21.27	-3.55	110	--	2.6	--	5.6	5.1	--	--	
12/27/91	58.13	37.66	0.00	20.47	-0.80	170	--	3.9	--	7.3	60	--	--	
03/31/92	58.13	37.66	0.00	20.47	0.00	--	--	--	--	--	--	--	--	
06/18/92	58.13	31.27	0.00	26.86	6.39	1200	--	35	1.6	56	26	--	--	
09/30/92	58.13	--	--	--	--	820	--	21	--	42	25	--	--	
10/16/92	58.13	35.87	0.00	22.26	--	--	--	--	--	--	--	--	--	
11/18/92	58.13	36.24	0.00	21.89	-0.37	65	--	1.2	--	2.8	1.4	--	--	
03/03/93	58.13	26.30	0.00	31.83	9.94	4200	--	62	2.9	97	120	--	--	
06/25/93	58.13	28.40	0.00	29.73	-2.10	4000	--	110	--	320	280	--	--	
09/03/93	58.13	31.10	0.00	27.03	-2.70	1400	--	31	4.3	99	53	--	--	
12/13/93	58.13	33.03	0.00	25.10	-1.93	260	--	7.7	0.83	17	23	--	--	
03/18/94	58.13	30.34	0.00	27.79	2.69	250	--	6.4	0.64	28	24	--	--	
06/23/94	58.13	31.63	0.00	26.50	-1.29	420	--	3.9	0.66	23	11	--	--	
09/21/94	58.13	33.52	0.00	24.61	-1.89	--	--	--	--	--	--	--	--	
12/19/94	58.13	31.26	0.00	26.87	2.26	190	--	1.9	--	15	6.8	--	--	
03/27/95	58.13	23.02	0.00	35.11	8.24	--	--	--	0.55	1.2	2.5	--	--	
06/26/95	58.13	25.98	0.00	32.15	-2.96	--	--	--	0.93	0.88	3.4	--	--	
07/28/95	58.13	27.26	0.00	30.87	-1.28	--	--	--	--	--	--	--	--	
09/28/95	58.13	29.77	0.00	28.36	-2.51	730	--	2.9	--	41	29	--	--	
10/24/95	58.13	30.56	0.00	27.57	-0.79	--	--	--	--	--	--	--	--	
12/29/95	58.13	30.25	0.00	27.88	0.31	860	--	4.3	1	27	50	--	--	
03/27/96	58.13	22.30	0.00	35.83	7.95	--	--	--	--	--	--	--	--	Connected to system

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														
09/21/96	58.13	29.47	0.00	28.66	-7.17	--	--	--	--	--	--	--	--	Connected to system
03/31/97	58.13	24.20	0.00	33.93	5.27	--	--	--	--	--	--	--	--	
09/27/97	58.13	31.07	0.00	27.06	-6.87	--	--	--	--	--	--	--	--	
03/20/98	58.13	16.73	0.00	41.40	14.34	--	--	--	--	--	--	--	--	
09/09/98	58.13	26.03	0.00	32.10	-9.30	--	--	--	0.54	--	0.57	--	--	
03/11/99	58.13	23.46	0.00	34.67	2.57	--	--	--	0.59	--	1.1	--	--	
09/08/99	58.13	28.53	0.00	29.60	-5.07	--	--	--	--	--	--	--	--	
03/24/00	58.13	21.45	0.00	36.68	7.08	--	--	--	--	--	--	--	--	
09/15/00	58.13	28.02	0.00	30.11	-6.57	--	--	--	--	--	--	--	--	
03/16/01	58.13	25.41	0.00	32.72	2.61	--	--	--	--	--	--	--	--	
08/31/01	58.13	28.74	0.00	29.39	-3.33	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	
03/15/02	58.13	25.45	0.00	32.68	3.29	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	
09/26/02	58.13	29.36	0.00	28.77	-3.91	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
03/16/03	58.13	26.58	0.00	31.55	2.78	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
09/03/03	58.13	29.34	0.00	28.79	-2.76	--	ND<50	ND<0.50	0.71	ND<0.50	ND<1	--	ND<2	
03/11/04	58.13	25.41	0.00	32.72	3.93	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
MW-3	**(Screen Interval in feet: 23.0-48.0)**													
10/03/88	57.92	35.86	0.00	22.06	--	61000	--	1060	3380	1520	8720	--	--	
01/27/89	57.92	34.60	0.00	23.32	1.26	39000	--	1570	2830	1250	7070	--	--	
02/16/90	57.92	35.23	0.00	22.69	-0.63	22000	--	710	4100	6900	33000	--	--	
05/01/90	57.92	--	--	--	--	19000	--	330	170	310	1500	--	--	
07/19/90	57.92	35.50	0.00	22.42	--	--	--	--	--	--	--	--	--	
08/24/90	57.92	36.08	0.00	21.84	-0.58	19000	--	480	160	510	1500	--	--	
11/30/90	57.92	37.17	0.00	20.75	-1.09	13000	--	390	81	410	1000	--	--	
02/06/91	57.92	37.07	0.00	20.85	0.10	13000	--	310	150	380	1200	--	--	
05/06/91	57.92	33.11	0.00	24.81	--	39000	--	1000	570	930	3900	--	--	
09/27/91	57.92	36.64	0.00	21.28	-3.53	4000	--	160	84	180	560	--	--	
12/27/91	57.92	37.46	0.00	20.46	-0.82	31000	--	240	280	400	1600	--	--	
03/31/92	57.92	31.10	0.00	26.82	6.36	100000	--	1900	1900	2300	9400	--	--	

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														
06/18/92	57.92	32.83	0.00	25.09	-1.73	180000	--	2200	1700	2300	1100	--	--	
09/30/92	57.92	--	--	--	--	36000	--	730	200	1000	4400	--	--	
10/16/92	57.92	35.66	0.00	22.26	--	--	--	--	--	--	--	--	--	
11/18/92	57.92	36.04	0.00	21.88	-0.38	24000	--	430	160	640	2800	--	--	
03/03/93	57.92	26.11	0.00	31.81	9.93	96000	--	1400	1900	1400	8400	--	--	
06/25/93	57.92	28.43	0.00	29.49	-2.32	27000	--	1200	980	1700	6900	--	--	
09/03/93	57.92	30.88	0.00	27.04	-2.45	82000	--	2400	3400	4200	21000	--	--	
12/13/93	57.92	32.82	0.00	25.10	-1.94	49000	--	1300	360	2300	9200	--	--	
03/18/94	57.92	30.17	0.00	27.75	2.65	22000	--	1200	430	2200	9700	--	--	
06/23/94	57.92	31.42	0.00	26.50	-1.25	37000	--	1300	670	3100	14000	--	--	
09/21/94	57.92	33.30	0.00	24.62	-1.88	24000	--	890	110	2200	8800	--	--	
12/19/94	57.92	31.07	0.00	26.85	2.23	100000	--	1200	2900	4200	23000	--	--	
03/27/95	57.92	22.78	0.00	35.14	8.29	33000	--	410	66	1600	6500	--	--	
06/26/95	57.92	25.78	0.00	32.14	-3.00	14000	--	300	--	1300	3900	--	--	
07/28/95	57.92	27.06	0.00	30.86	-1.28	--	--	--	--	--	--	--	--	
09/28/95	57.92	29.57	0.00	28.35	-2.51	17000	--	730	30	4000	8800	--	--	
10/24/95	57.92	30.34	0.00	27.58	-0.77	--	--	--	--	--	--	--	--	
12/29/95	57.92	29.91	0.00	28.01	0.43	55000	--	700	--	4900	16000	--	--	
03/27/96	57.92	21.99	0.00	35.93	7.92	--	--	--	--	--	--	--	--	Connected to system
09/21/96	57.92	29.15	0.00	28.77	-7.16	34000	--	140	--	2200	6600	1800	--	
03/31/97	57.92	23.86	0.00	34.06	5.29	17000	--	58	110	530	1500	--	--	
09/27/97	57.92	30.76	0.00	27.16	-6.90	11000	--	19	--	850	420	140	--	
03/20/98	57.92	16.39	0.00	41.53	14.37	--	--	--	--	--	--	74	--	
09/09/98	57.92	25.70	0.00	32.22	-9.31	--	--	--	--	--	--	--	--	
03/11/99	57.92	23.12	0.00	34.80	2.58	7300	--	--	--	320	210	--	--	
09/08/99	57.92	28.21	0.00	29.71	-5.09	7900	--	--	--	--	160	--	--	
03/24/00	57.92	21.12	0.00	36.80	7.09	3310	--	5.4	--	101	43.3	--	--	
09/15/00	57.92	27.68	0.00	30.24	-6.56	1540	--	--	--	56.4	--	--	12.6	
03/16/01	57.92	25.09	0.00	32.83	2.59	678	--	3.14	1	16.4	14.6	42.9	--	

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														
08/31/01	57.92	28.53	0.00	29.39	-3.44	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	
03/15/02	57.92	25.05	0.00	32.87	3.48	1500	--	ND<2.50	ND<2.50	43	ND<2.50	ND<12	--	
09/26/02	57.92	28.98	0.00	28.94	-3.93	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
03/16/03	57.92	26.19	0.00	31.73	2.79	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
09/03/03	57.92	29.04	0.00	28.88	-2.85	--	1300	ND<0.50	0.53	19	ND<1	--	5.9	
03/11/04	57.92	25.03	0.00	32.89	4.01	--	130	ND<0.50	ND<0.50	1.1	ND<1.0	--	ND<2.0	
MW-4	**(Screen Interval in feet: 23.0-48.0)**													
10/03/88	58.29	36.12	0.00	22.17	--	--	--	--	--	--	--	--	--	
01/27/89	58.29	34.87	0.00	23.42	1.25	--	--	--	--	--	--	--	--	
02/16/90	58.29	35.60	0.00	22.69	-0.73	--	--	--	--	--	--	--	--	
05/01/90	58.29	--	--	--	--	--	--	--	--	0.68	1.4	--	--	
07/19/90	58.29	35.78	0.00	22.51	--	--	--	--	--	--	--	--	--	
08/24/90	58.29	36.35	0.00	21.94	-0.57	--	--	--	--	--	--	--	--	
11/30/90	58.29	37.46	0.00	20.83	-1.11	--	--	--	--	--	1.2	--	--	
02/06/91	58.29	37.40	0.00	20.89	0.06	--	--	--	--	--	--	--	--	
05/06/91	58.29	33.39	0.00	24.90	--	--	--	--	--	--	--	--	--	
09/27/91	58.29	36.90	0.00	21.39	-3.51	--	--	--	--	--	--	--	--	
12/27/91	58.29	37.76	0.00	20.53	-0.86	--	--	--	--	--	--	--	--	
03/31/92	58.29	31.41	0.00	26.88	6.35	--	--	--	--	--	--	--	--	
06/18/92	58.29	33.09	0.00	25.20	-1.68	--	--	--	--	--	--	--	--	
10/16/92	58.29	35.92	0.00	22.37	--	--	--	--	--	--	--	--	--	
11/18/92	58.29	36.33	0.00	21.96	-0.41	--	--	--	--	--	--	--	--	
03/03/93	58.29	26.43	0.00	31.86	9.90	68	--	0.9	0.6	--	1.9	--	--	
06/25/93	58.29	28.60	0.00	29.69	-2.17	--	--	--	--	--	--	--	--	
09/03/93	58.29	31.05	0.00	27.24	-2.45	86	--	14	13	1.4	7.1	--	--	
12/13/93	58.29	33.09	0.00	25.20	-2.04	--	--	--	--	--	--	--	--	Sampled semi-annually
03/18/94	58.29	30.42	0.00	27.87	2.67	--	--	--	--	--	--	--	--	
06/23/94	58.29	31.95	0.00	26.34	-1.53	--	--	--	--	--	--	--	--	
09/21/94	58.29	33.86	0.00	24.43	-1.91	--	--	--	0.78	--	0.81	--	--	

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														
12/19/94	58.29	31.72	0.00	26.57	2.14	--	--	--	--	--	--	--	--	
03/27/95	58.29	23.44	0.00	34.85	8.28	--	--	--	0.79	0.51	3.1	--	--	
06/26/95	58.29	26.26	0.00	32.03	-2.82	--	--	--	--	--	--	--	--	
07/28/95	58.29	27.53	0.00	30.76	-1.27	--	--	--	--	--	--	--	--	
09/28/95	58.29	30.05	0.00	28.24	-2.52	--	--	--	--	--	--	--	--	
10/24/95	58.29	30.79	0.00	27.50	-0.74	--	--	--	--	--	--	--	--	
12/29/95	58.29	30.96	0.00	27.33	-0.17	--	--	--	--	--	--	--	--	
03/27/96	58.29	22.71	0.00	35.58	8.25	--	--	--	0.7	--	0.79	--	--	
09/21/96	58.29	29.88	0.00	28.41	-7.17	--	--	--	--	--	--	--	--	
03/31/97	58.29	24.72	0.00	33.57	5.16	--	--	--	--	--	--	--	--	
09/27/97	58.29	31.68	0.00	26.61	-6.96	--	--	--	--	--	--	--	--	
03/20/98	58.29	17.27	0.00	41.02	14.41	--	--	--	--	--	--	--	--	
09/09/98	58.29	26.58	0.00	31.71	-9.31	--	--	--	--	--	0.65	3	--	
03/11/99	58.29	24.12	0.00	34.17	2.46	--	--	--	0.7	--	1.2	--	--	
09/08/99	58.29	29.18	0.00	29.11	-5.06	--	--	--	--	--	0.78	--	--	
03/24/00	58.29	22.08	0.00	36.21	7.10	--	--	--	--	--	--	--	--	
09/15/00	58.29	28.63	0.00	29.66	-6.55	--	--	--	1.36	--	1.46	--	--	
03/16/01	58.29	26.14	0.00	32.15	2.49	--	--	--	--	--	--	--	--	
08/31/01	58.29	29.27	0.00	29.02	-3.13	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	
03/15/02	58.29	26.07	0.00	32.22	3.20	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	
09/26/02	58.29	29.95	0.00	28.34	-3.88	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
03/16/03	58.29	27.20	0.00	31.09	2.75	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
09/03/03	58.29	29.99	0.00	28.30	-2.79	--	ND<50	ND<0.50	0.58	ND<0.50	ND<1	--	ND<2	
03/11/04	58.29	26.07	0.00	32.22	3.92	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
MW-5	**(Screen Interval in feet: 25.0-45.0)**													
02/16/90	58.50	35.89	0.00	22.61	--	67	--	0.51	1.6	2.9	7.5	--	--	
05/01/90	58.50	--	--	--	--	--	--	--	--	--	--	--	--	
07/19/90	58.50	36.10	0.00	22.40	--	--	--	--	--	--	--	--	--	
08/24/90	58.50	36.67	0.00	21.83	-0.57	--	--	--	--	--	--	--	--	

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														
11/30/90	58.50	37.74	0.00	20.76	-1.07	--	--	--	0.7	--	--	--	--	
02/06/91	58.50	37.62	0.00	20.88	0.12	--	--	--	--	--	--	--	--	
05/06/91	58.50	33.67	0.00	24.83	--	--	--	--	--	--	--	--	--	
09/27/91	58.50	37.23	0.00	21.27	-3.56	--	--	--	--	--	--	--	--	
12/27/91	58.50	38.02	0.00	20.48	-0.79	--	--	--	--	--	--	--	--	
03/31/92	58.50	31.62	0.00	26.88	6.40	--	--	--	--	--	1.1	--	--	
06/18/92	58.50	33.46	0.00	25.04	-1.84	--	--	--	--	--	--	--	--	
10/16/92	58.50	36.23	0.00	22.27	--	--	--	--	--	--	--	--	--	
11/18/92	58.50	36.62	0.00	21.88	-0.39	--	--	--	--	--	--	--	--	
03/03/93	58.50	26.62	0.00	31.88	10.00	--	--	--	--	--	--	--	--	
06/25/93	58.50	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
09/03/93	58.50	31.45	0.00	27.05	--	--	--	--	1.5	--	7.9	--	--	
12/13/93	58.50	33.39	0.00	25.11	-1.94	--	--	--	--	--	--	--	--	Sampled semi-annually
03/18/94	58.50	30.67	0.00	27.83	2.72	--	--	--	--	--	--	--	--	
06/23/94	58.50	32.00	0.00	26.50	-1.33	--	--	--	--	--	--	--	--	
09/21/94	58.50	33.90	0.00	24.60	-1.90	--	--	--	0.98	--	1.6	--	--	
12/19/94	58.50	31.63	0.00	26.87	2.27	--	--	--	--	--	--	--	--	
03/27/95	58.50	23.44	0.00	35.06	8.19	--	--	--	0.66	--	2.9	--	--	
06/26/95	58.50	26.35	0.00	32.15	-2.91	--	--	--	--	--	--	--	--	
07/28/95	58.50	27.63	0.00	30.87	-1.28	--	--	--	--	--	--	--	--	
09/28/95	58.50	30.15	0.00	28.35	-2.52	--	--	--	--	--	--	--	--	
10/24/95	58.50	30.98	0.00	27.52	-0.83	--	--	--	--	--	--	--	--	
12/29/95	58.50	30.87	0.00	27.63	0.11	--	--	--	--	--	--	--	--	
03/27/96	58.50	22.75	0.00	35.75	8.12	--	--	--	1.7	--	2.4	--	--	
09/21/96	58.50	29.95	0.00	28.55	-7.20	--	--	--	--	--	--	--	--	
03/31/97	58.50	24.80	0.00	33.70	5.15	--	--	--	--	--	--	--	--	
09/27/97	58.50	31.65	0.00	26.85	-6.85	--	--	--	--	--	--	--	--	
03/20/98	58.50	17.31	0.00	41.19	14.34	--	--	--	--	--	--	--	--	
09/09/98	58.50	26.63	0.00	31.87	-9.32	--	--	--	--	--	--	--	--	

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														
03/11/99	58.50	24.08	0.00	34.42	2.55	--	--	--	0.96	--	1.7	--	--	
09/08/99	58.50	29.16	0.00	29.34	-5.08	--	--	--	--	--	--	--	--	
03/24/00	58.50	22.06	0.00	36.44	7.10	--	--	--	--	--	0.957	--	--	
09/15/00	58.50	28.64	0.00	29.86	-6.58	--	--	--	--	--	--	--	--	
03/16/01	58.50	26.05	0.00	32.45	2.59	--	--	--	--	--	--	--	--	
08/31/01	58.50	29.32	0.00	29.18	-3.27	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	
03/15/02	58.50	26.08	0.00	32.42	3.24	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	
09/26/02	58.50	29.96	0.00	28.54	-3.88	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
03/16/03	58.50	27.24	0.00	31.26	2.72	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
09/03/03	58.50	30.04	0.00	28.46	-2.80	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
03/11/04	58.50	26.05	0.00	32.45	3.99	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
MW-6	**(Screen Interval in feet: 25.0-45-0)**													
02/16/90	56.96	34.50	0.00	22.46	--	--	--	--	--	--	--	--	--	
05/01/90	56.96	--	--	--	--	--	--	--	--	--	--	--	--	
07/19/90	56.96	34.74	0.00	22.22	--	--	--	--	--	--	--	--	--	
08/24/90	56.96	35.32	0.00	21.64	-0.58	--	--	--	--	--	--	--	--	
11/30/90	56.96	36.38	0.00	20.58	-1.06	--	--	--	--	--	--	--	--	
02/06/91	56.96	36.27	0.00	20.69	0.11	--	--	--	--	--	--	--	--	
05/06/91	56.96	32.41	0.00	24.55	--	--	--	--	--	--	--	--	--	
09/27/91	56.96	35.87	0.00	21.09	-3.46	--	--	--	--	--	--	--	--	
12/27/91	56.96	36.67	0.00	20.29	-0.80	--	--	--	--	--	--	--	--	
03/31/92	56.96	30.32	0.00	26.64	6.35	--	--	--	1.3	--	2	--	--	
06/18/92	56.96	32.18	0.00	24.78	-1.86	--	--	--	--	--	--	--	--	
10/16/92	56.96	34.92	0.00	22.04	--	--	--	--	--	--	--	--	--	
11/18/92	56.96	35.28	0.00	21.68	-0.36	--	--	--	--	--	--	--	--	
03/03/93	56.96	25.43	0.00	31.53	9.85	--	--	--	--	--	--	--	--	
06/25/93	56.96	27.86	0.00	29.10	-2.43	--	--	--	--	--	--	--	--	
09/03/93	56.96	30.25	0.00	26.71	-2.39	--	--	--	--	--	--	--	--	
12/13/93	56.96	32.14	0.00	24.82	-1.89	--	--	--	--	--	--	--	--	Sampled semi-annually

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														
03/18/94	56.96	29.46	0.00	27.50	2.68	--	--	--	0.93	--	1.4	--	--	
06/23/94	56.96	30.76	0.00	26.20	-1.30	--	--	--	--	--	--	--	--	
09/21/94	56.96	32.62	0.00	24.34	-1.86	--	--	--	--	--	--	--	--	
12/19/94	56.96	30.32	0.00	26.64	2.30	--	--	--	--	--	--	--	--	
03/27/95	56.96	22.10	0.00	34.86	8.22	56	--	--	0.65	--	3.3	--	--	
06/26/95	56.96	25.20	0.00	31.76	-3.10	--	--	--	--	--	--	--	--	
07/28/95	56.96	26.48	0.00	30.48	-1.28	--	--	--	--	--	--	--	--	
09/28/95	56.96	28.92	0.00	28.04	-2.44	--	--	--	--	--	--	--	--	
10/24/95	56.96	29.73	0.00	27.23	-0.81	--	--	--	--	--	--	--	--	
12/29/95	56.96	29.62	0.00	27.34	0.11	--	--	--	--	--	--	--	--	
03/27/96	56.96	21.59	0.00	35.37	8.03	50	--	--	0.92	--	0.96	--	--	
09/21/96	56.96	28.72	0.00	28.24	-7.13	--	--	--	--	--	--	--	--	
03/31/97	56.96	23.72	0.00	33.24	5.00	73	--	0.67	0.82	--	--	--	--	
09/27/97	56.96	30.52	0.00	26.44	-6.80	--	--	--	--	--	--	--	--	
03/20/98	56.96	16.35	0.00	40.61	14.17	--	--	--	--	--	--	--	--	
09/09/98	56.96	25.53	0.00	31.43	-9.18	--	--	--	0.64	--	0.65	3.3	--	
03/11/99	56.96	22.85	0.00	34.11	2.68	--	--	--	0.71	--	1.4	--	--	
09/08/99	56.96	28.01	0.00	28.95	-5.16	--	--	--	--	--	--	--	--	
03/24/00	56.96	20.93	0.00	36.03	7.08	--	--	--	--	--	--	--	--	
09/15/00	56.96	27.51	0.00	29.45	-6.58	--	--	--	--	--	--	--	--	
03/16/01	56.96	24.87	0.00	32.09	2.64	--	--	--	--	--	--	--	--	
08/31/01	56.96	28.20	0.00	28.76	-3.33	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	
03/15/02	56.96	24.82	0.00	32.14	3.38	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	
09/26/02	56.96	28.72	0.00	28.24	-3.90	--	84	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
03/16/03	56.96	26.00	0.00	30.96	2.72	--	52	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
09/03/03	56.96	28.78	0.00	28.18	-2.78	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
03/11/04	56.96	24.78	0.00	32.18	4.00	--	69	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
MW-7	**(Screen Interval in feet: 24.0-44.0)**													
02/16/90	57.25	35.75	0.00	21.50	--	--	--	--	--	--	--	--	--	

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-7 continued														
05/01/90	57.25	--	--	--	--	24	--	--	--	0.74	1.7	--	--	
07/19/90	57.25	35.03	0.00	22.22	--	--	--	--	--	--	--	--	--	
08/24/90	57.25	35.64	0.00	21.61	-0.61	--	--	--	--	--	--	--	--	
11/30/90	57.25	36.68	0.00	20.57	-1.04	--	--	--	--	0.6	1.5	--	--	
02/06/91	57.25	36.55	0.00	20.70	0.13	--	--	--	--	--	--	--	--	
05/06/91	57.25	32.69	0.00	24.56	--	--	--	--	--	--	--	--	--	
09/27/91	57.25	36.18	0.00	21.07	-3.49	--	--	--	--	--	--	--	--	
12/27/91	57.25	36.96	0.00	20.29	-0.78	--	--	--	--	--	--	--	--	
03/31/92	57.25	30.56	0.00	26.69	6.40	--	--	--	--	--	0.9	--	--	
06/18/92	57.25	32.52	0.00	24.73	-1.96	--	--	--	--	--	--	--	--	
10/16/92	57.25	35.24	0.00	22.01	--	--	--	--	--	--	--	--	--	
11/18/92	57.25	35.59	0.00	21.66	-0.35	--	--	--	--	--	--	--	--	
03/03/93	57.25	25.66	0.00	31.59	9.93	--	--	--	--	--	--	--	--	
06/25/93	57.25	28.25	0.00	29.00	-2.59	--	--	--	--	--	--	--	--	
09/03/93	57.25	30.60	0.00	26.65	-2.35	--	--	--	--	--	--	--	--	
12/13/93	57.25	32.45	0.00	24.80	-1.85	--	--	--	--	--	--	--	--	Sampled semi-annually
03/18/94	57.25	29.76	0.00	27.49	2.69	--	--	--	--	--	--	--	--	
06/23/94	57.25	31.10	0.00	26.15	-1.34	--	--	--	--	--	--	--	--	
09/21/94	57.25	32.96	0.00	24.29	-1.86	--	--	0.5	--	--	0.89	--	--	
12/19/94	57.25	30.60	0.00	26.65	2.36	--	--	--	--	--	--	--	--	
03/27/95	57.25	22.43	0.00	34.82	8.17	--	--	--	0.54	--	1.9	--	--	
06/26/95	57.25	25.55	0.00	31.70	-3.12	--	--	--	--	--	--	--	--	
07/28/95	57.25	26.84	0.00	30.41	-1.29	--	--	--	--	--	--	--	--	
09/28/95	57.25	29.29	0.00	27.96	-2.45	--	--	--	--	--	--	--	--	
10/24/95	57.25	30.05	0.00	27.20	-0.76	--	--	--	--	--	--	--	--	
12/29/95	57.25	29.91	0.00	27.34	0.14	--	--	--	--	--	--	--	--	
03/27/96	57.25	21.94	0.00	35.31	7.97	--	--	--	1.1	--	1.7	--	--	
09/21/96	57.25	29.07	0.00	28.18	-7.13	--	--	--	--	--	--	--	--	
03/31/97	57.25	24.02	0.00	33.23	5.05	--	--	--	--	--	--	--	--	

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-7 continued														
09/27/97	57.25	30.84	0.00	26.41	-6.82	--	--	--	--	--	--	--	--	
03/20/98	57.25	16.68	0.00	40.57	14.16	--	--	--	--	--	--	--	--	
09/09/98	57.25	25.89	0.00	31.36	-9.21	--	--	--	--	--	--	4.1	--	
03/11/99	57.25	23.16	0.00	34.09	2.73	--	--	--	0.91	--	1.6	5.7	--	
09/08/99	57.25	28.32	0.00	28.93	-5.16	--	--	--	--	--	--	2.7	--	
03/24/00	57.25	21.23	0.00	36.02	7.09	--	--	--	--	--	--	--	--	
09/15/00	57.25	27.83	0.00	29.42	-6.60	--	--	--	--	--	--	--	--	
03/16/01	57.25	25.15	0.00	32.10	2.68	--	--	--	--	--	--	--	--	
08/31/01	57.25	28.49	0.00	28.76	-3.34	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	
03/15/02	57.25	24.96	0.00	32.29	3.53	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	
09/26/02	57.25	29.09	0.00	28.16	-4.13	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
03/16/03	57.25	26.33	0.00	30.92	2.76	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
09/03/03	57.25	29.14	0.00	28.11	-2.81	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
03/11/04	57.25	25.09	0.00	32.16	4.05	--	72	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
MW-8	**(Screen Interval in feet: 24.0-44.0)**													
02/16/90	57.71	35.10	0.00	22.61	--	1900	--	11	--	52	55	--	--	
05/01/90	57.71	--	--	--	--	770	--	6.5	--	20	32	--	--	
07/19/90	57.71	35.41	0.00	22.30	--	--	--	--	--	--	--	--	--	
08/24/90	57.71	36.00	0.00	21.71	-0.59	990	--	13	--	48	66	--	--	
11/30/90	57.71	37.08	0.00	20.63	-1.08	570	--	13	--	45	36	--	--	
02/06/91	57.71	36.92	0.00	20.79	0.16	630	--	9.6	--	35	36	--	--	
05/06/91	57.71	33.03	0.00	24.68	--	14000	--	80	--	250	550	--	--	
09/27/91	57.71	36.55	0.00	21.16	-3.52	720	--	13	4.3	26	26	--	--	
12/27/91	57.71	37.34	0.00	20.37	-0.79	1600	--	15	2.9	40	49	--	--	
03/31/92	57.71	31.93	0.00	25.78	5.41	15000	--	120	1	430	530	--	--	
06/18/92	57.71	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
10/16/92	57.71	35.58	0.00	22.13	--	300	--	0.96	--	4	3.5	--	--	
11/18/92	57.71	35.94	0.00	21.77	-0.36	1100	--	6.1	--	13	5.6	--	--	
03/03/93	57.71	26.00	0.00	31.71	9.94	13000	--	33	--	160	290	--	--	

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-8 continued														
06/25/93	57.71	28.27	0.00	29.44	-2.27	8100	--	160	--	580	740	--	--	
09/03/93	57.71	30.90	0.00	26.81	-2.63	9800	--	180	--	580	700	--	--	
12/13/93	57.71	32.75	0.00	24.96	-1.85	6900	--	180	--	240	550	--	--	
03/18/94	57.71	30.12	0.00	27.59	2.63	6100	--	85	--	260	260	--	--	
06/23/94	57.71	31.40	0.00	26.31	-1.28	12000	--	210	--	610	860	--	--	
09/21/94	57.71	33.30	0.00	24.41	-1.90	6900	--	190	--	460	510	--	--	
12/19/94	57.71	30.95	0.00	26.76	2.35	6200	--	91	--	230	210	--	--	
03/27/95	57.71	22.78	0.00	34.93	8.17	9200	--	240	--	200	1400	--	--	
06/26/95	57.71	24.83	0.00	32.88	-2.05	11000	--	320	--	680	2000	--	--	
07/28/95	57.71	27.10	0.00	30.61	-2.27	--	--	--	--	--	--	--	--	
09/28/95	57.71	29.58	0.00	28.13	-2.48	10000	--	250	--	760	910	--	--	
10/24/95	57.71	30.40	0.00	27.31	-0.82	--	--	--	--	--	--	--	--	
12/29/95	57.71	30.25	0.00	27.46	0.15	7500	--	260	--	580	870	--	--	
03/27/96	57.71	22.20	0.00	35.51	8.05	970	--	29	0.77	82	85	--	--	
09/21/96	57.71	29.34	0.00	28.37	-7.14	3800	--	27	--	46	45	--	--	
03/31/97	57.71	24.35	0.00	33.36	4.99	--	--	--	--	--	--	--	--	
09/27/97	57.71	31.15	0.00	26.56	-6.80	78	--	0.9	--	12	--	--	--	
03/20/98	57.71	16.84	0.00	40.87	14.31	--	--	--	--	--	--	--	--	
09/09/98	57.71	26.14	0.00	31.57	-9.30	910	--	--	49	12	2.2	1.5	--	
03/11/99	57.71	23.48	0.00	34.23	2.66	4700	--	9.6	--	280	95	--	--	
09/08/99	57.71	28.60	0.00	29.11	-5.12	1900	--	--	--	36	--	--	--	
03/24/00	57.71	21.49	0.00	36.22	7.11	--	--	--	--	--	--	--	--	
09/15/00	57.71	28.09	0.00	29.62	-6.60	533	--	2.23	--	6.27	0.684	--	--	
03/16/01	57.71	25.43	0.00	32.28	2.66	1000	--	--	--	17.8	44.5	--	--	
08/31/01	57.71	28.89	0.00	28.82	-3.46	6500	--	8.6	7.4	420	1900	ND<25	--	
03/15/02	57.71	25.45	0.00	32.26	3.44	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
09/26/02	57.71	29.37	0.00	28.34	-3.92	--	290	ND<0.50	ND<0.50	0.65	ND<1.0	--	--	
03/16/03	57.71	26.65	0.00	31.06	2.72	--	--	--	--	--	--	--	--	Inaccessible
09/03/03	57.71	29.46	0.00	28.25	-2.81	--	450	ND<0.50	0.69	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-8 continued														
03/11/04	57.71	25.42	0.00	32.29	4.04	--	950	ND<0.50	ND<0.50	15	1.4	--	ND<2.0	
MW-9	**(Screen Interval in feet: 20.0-45.0)**													
12/19/94	56.47	29.71	0.00	26.76	--	--	--	--	1.6	1.5	8.4	--	--	
03/27/95	56.47	21.48	0.00	34.99	8.23	--	--	--	0.61	--	2.8	--	--	
06/26/95	56.47	24.50	0.00	31.97	-3.02	--	--	--	--	--	3.9	--	--	
07/28/95	56.47	25.77	0.00	30.70	-1.27	--	--	--	--	--	--	--	--	
09/28/95	56.47	28.23	0.00	28.24	-2.46	--	--	--	--	--	--	--	--	
10/24/95	56.47	29.21	0.00	27.26	-0.98	--	--	--	--	--	--	--	--	
12/29/95	56.47	29.02	0.00	27.45	0.19	--	--	--	0.58	--	0.52	--	--	
03/27/96	56.47	20.91	0.00	35.56	8.11	--	--	--	0.68	--	0.51	--	--	
09/21/96	56.47	28.05	0.00	28.42	-7.14	--	--	--	--	--	--	--	--	
03/31/97	56.47	23.48	0.00	32.99	4.57	--	--	--	--	--	--	--	--	
09/27/97	56.47	30.38	0.00	26.09	-6.90	--	--	--	--	--	--	--	--	
03/20/98	56.47	15.60	0.00	40.87	14.78	--	--	--	--	--	--	--	--	
09/09/98	56.47	24.85	0.00	31.62	-9.25	--	--	0.69	--	--	0.61	--	--	
03/11/99	56.47	22.23	0.00	34.24	2.62	--	--	--	--	--	0.76	--	--	
09/08/99	56.47	27.34	0.00	29.13	-5.11	--	--	--	--	--	--	--	--	
03/24/00	56.47	20.27	0.00	36.20	7.07	--	--	--	--	--	--	--	--	
09/15/00	56.47	26.84	0.00	29.63	-6.57	--	--	--	--	--	--	--	--	
03/16/01	56.47	24.24	0.00	32.23	2.60	--	--	--	--	--	--	--	--	
08/31/01	56.47	27.43	0.00	29.04	-3.19	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	
03/15/02	56.47	24.79	0.00	31.68	2.64	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	
09/26/02	56.47	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
03/16/03	56.47	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
09/03/03	56.47	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
03/11/04	56.47	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
MW-10	**(Screen Interval in feet: 20.0-45.0)**													
07/28/95	58.94	25.53	0.00	33.41	--	--	--	--	--	--	--	--	--	
09/28/95	58.94	--	--	--	--	--	--	--	--	--	--	--	--	

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-10	continued													
10/24/95	58.94	31.76	0.00	27.18	--	--	--	--	--	--	--	--	--	
12/29/95	58.94	31.55	0.00	27.39	0.21	--	--	--	0.65	--	1.1	--	--	
03/27/96	58.94	23.62	0.00	35.32	7.93	--	--	--	0.68	--	0.69	--	--	
09/21/96	58.94	30.77	0.00	28.17	-7.15	--	--	--	--	--	--	--	--	
03/31/97	58.94	26.05	0.00	32.89	4.72	--	--	--	--	--	--	--	--	
09/27/97	58.94	32.80	0.00	26.14	-6.75	--	--	--	--	--	--	--	--	
03/20/98	58.94	18.13	0.00	40.81	14.67	--	--	--	--	--	--	--	--	
09/09/98	58.94	27.54	0.00	31.40	-9.41	--	--	--	0.55	--	--	--	--	
03/11/99	58.94	24.85	0.00	34.09	2.69	--	--	--	0.61	--	0.87	--	--	
09/08/99	58.94	29.97	0.00	28.97	-5.12	--	--	--	--	--	--	--	--	
03/24/00	58.94	22.90	0.00	36.04	7.07	--	--	--	--	--	--	--	--	
09/15/00	58.94	29.48	0.00	29.46	-6.58	--	--	--	--	--	--	--	--	
03/16/01	58.94	26.80	0.00	32.14	2.68	--	--	--	--	--	--	--	--	
08/31/01	58.94	30.05	0.00	28.89	-3.25	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	
03/15/02	58.94	26.61	0.00	32.33	3.44	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.50	--	
09/26/02	58.94	30.68	0.00	28.26	-4.07	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
03/16/03	58.94	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
09/03/03	58.94	38.87	0.00	20.07	--	--	ND<50	ND<0.50	1.8	ND<0.50	ND<1	--	ND<2	
03/11/04	58.94	26.80	0.00	32.14	12.07	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	

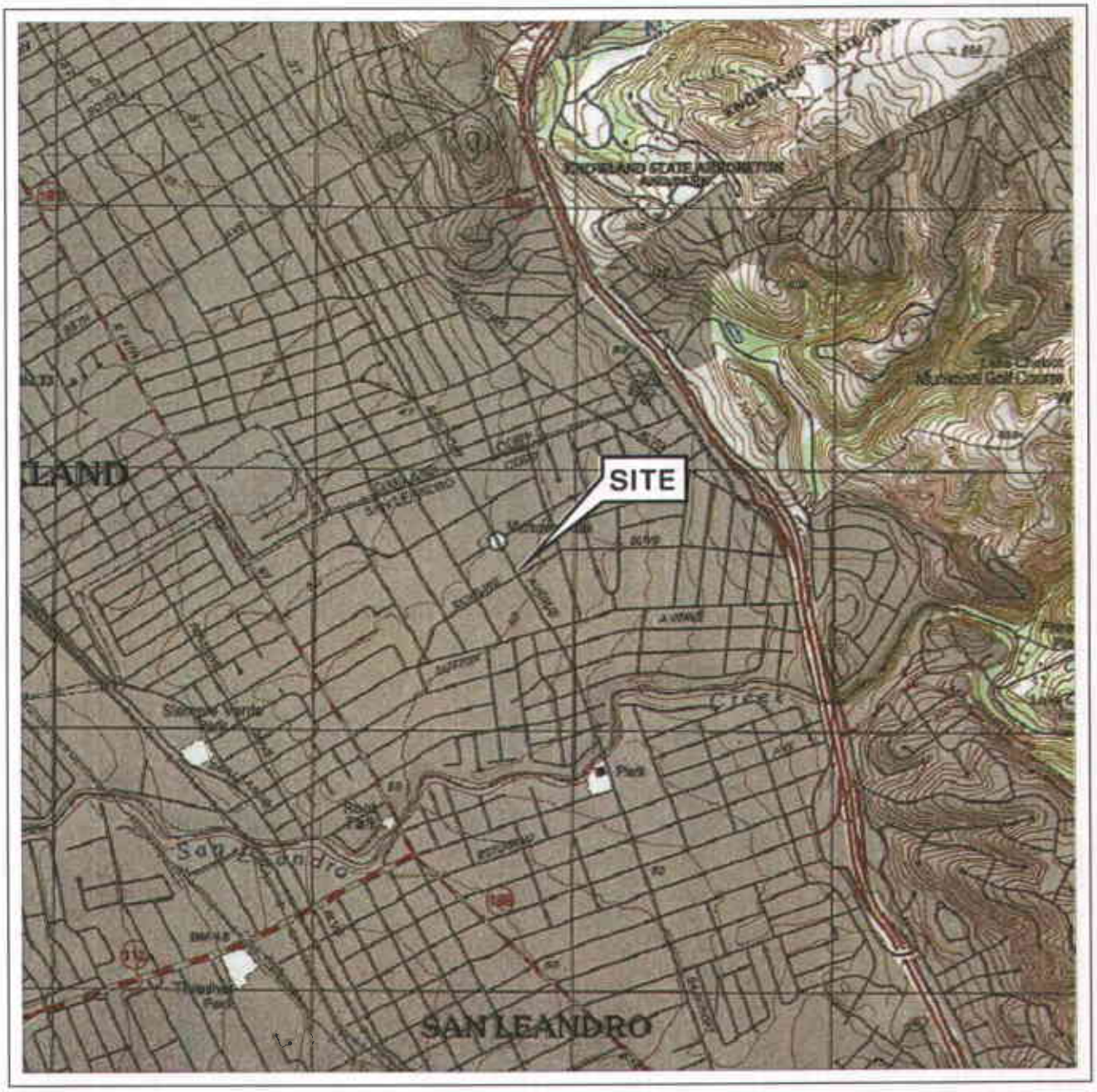
Table 3
SUMMARY OF ADDITIONAL CHEMICAL ANALYSIS RESULTS
76 Station 5367

Date Sampled	EDB	Pre-Purge DO	Post Purge DO	TDS	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8260B	1,2 DCE
	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-1										
03/27/95	--	--	1.5	--	--	--	--	--	--	--
06/26/95	--	--	1.6	--	--	--	--	--	--	--
09/28/95	--	--	1.22	--	--	--	--	--	--	--
12/29/95	--	--	1.74	--	--	--	--	--	--	--
03/27/96	--	1.48	1.02	--	--	--	--	--	--	--
09/21/96	--	--	1.01	--	--	--	--	--	--	--
03/31/97	--	1.47	1.49	--	--	--	--	--	--	--
03/16/03	ND<1000	--	--	--	ND<1000	ND<50000	ND<1000	ND<1000	ND<250000	ND<1000
MW-2										
03/27/95	--	--	1.7	410	--	--	--	--	--	--
06/26/95	--	--	4.55	--	--	--	--	--	--	--
09/28/95	--	--	3	--	--	--	--	--	--	--
12/29/95	--	--	8.71	--	--	--	--	--	--	--
03/31/97	--	2.18	2.12	--	--	--	--	--	--	--
03/16/03	ND<2.0	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	ND<2.0
MW-3										
03/27/95	--	--	0.9	450	--	--	--	--	--	--
06/26/95	--	--	1.55	--	--	--	--	--	--	--
09/28/95	--	--	1.63	--	--	--	--	--	--	--
12/29/95	--	--	6.97	--	--	--	--	--	--	--
03/31/97	--	1.95	2.06	--	--	--	--	--	--	--
09/15/00	ND<2.0	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<1000	ND<2.0
03/16/03	ND<2.0	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	ND<2.0
MW-4										
03/27/95	--	--	4.9	--	--	--	--	--	--	--
09/28/95	--	--	6.29	--	--	--	--	--	--	--

Date Sampled	EDB	Pre-Purge DO	Post Purge DO	TDS	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8260B	1,2 DCE
	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-4 continued										
03/27/96	--	4.32	3.91	--	--	--	--	--	--	--
09/21/96	--	--	2.82	--	--	--	--	--	--	--
03/31/97	--	2.66	2.63	--	--	--	--	--	--	--
03/16/03	ND<2.0	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	ND<2.0
MW-5										
03/27/95	--	--	5.2	--	--	--	--	--	--	--
09/28/95	--	--	1.96	--	--	--	--	--	--	--
03/27/96	--	4.03	4.71	--	--	--	--	--	--	--
09/21/96	--	--	4.12	--	--	--	--	--	--	--
03/31/97	--	2.98	3.11	--	--	--	--	--	--	--
03/16/03	ND<2.0	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	ND<2.0
MW-6										
03/27/95	--	--	7.4	--	--	--	--	--	--	--
09/28/95	--	--	4.19	--	--	--	--	--	--	--
03/27/96	--	5.94	4.96	--	--	--	--	--	--	--
09/21/96	--	--	3.74	--	--	--	--	--	--	--
03/31/97	--	3.21	3.11	--	--	--	--	--	--	--
03/16/03	ND<2.0	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	ND<2.0
MW-7										
03/27/95	--	--	8.4	--	--	--	--	--	--	--
09/28/95	--	--	2.04	--	--	--	--	--	--	--
03/27/96	--	6.63	5.23	--	--	--	--	--	--	--
09/21/96	--	--	1.19	--	--	--	--	--	--	--
03/31/97	--	2.29	2.16	--	--	--	--	--	--	--
03/16/03	ND<2.0	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	ND<2.0
MW-8										
03/27/95	--	--	--	490	--	--	--	--	--	--
MW-9										
03/27/95	--	--	7.8	--	--	--	--	--	--	--

Date Sampled	EDB	Pre-Purge DO	Post Purge DO	TDS	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8260B	1,2 DCE
	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-9 continued										
06/26/95	--	--	4.61	--	--	--	--	--	--	--
09/28/95	--	--	5.76	--	--	--	--	--	--	--
12/29/95	--	--	5.32	--	--	--	--	--	--	--
03/27/96	--	5.62	5.23	--	--	--	--	--	--	--
09/21/96	--	--	4.13	--	--	--	--	--	--	--
03/31/97	--	3.36	3.27	--	--	--	--	--	--	--
MW-10										
12/29/95	--	--	5.11	--	--	--	--	--	--	--
03/27/96	--	4.38	4.57	--	--	--	--	--	--	--
09/21/96	--	--	5.38	--	--	--	--	--	--	--
03/31/97	--	4.48	4.83	--	--	--	--	--	--	--

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

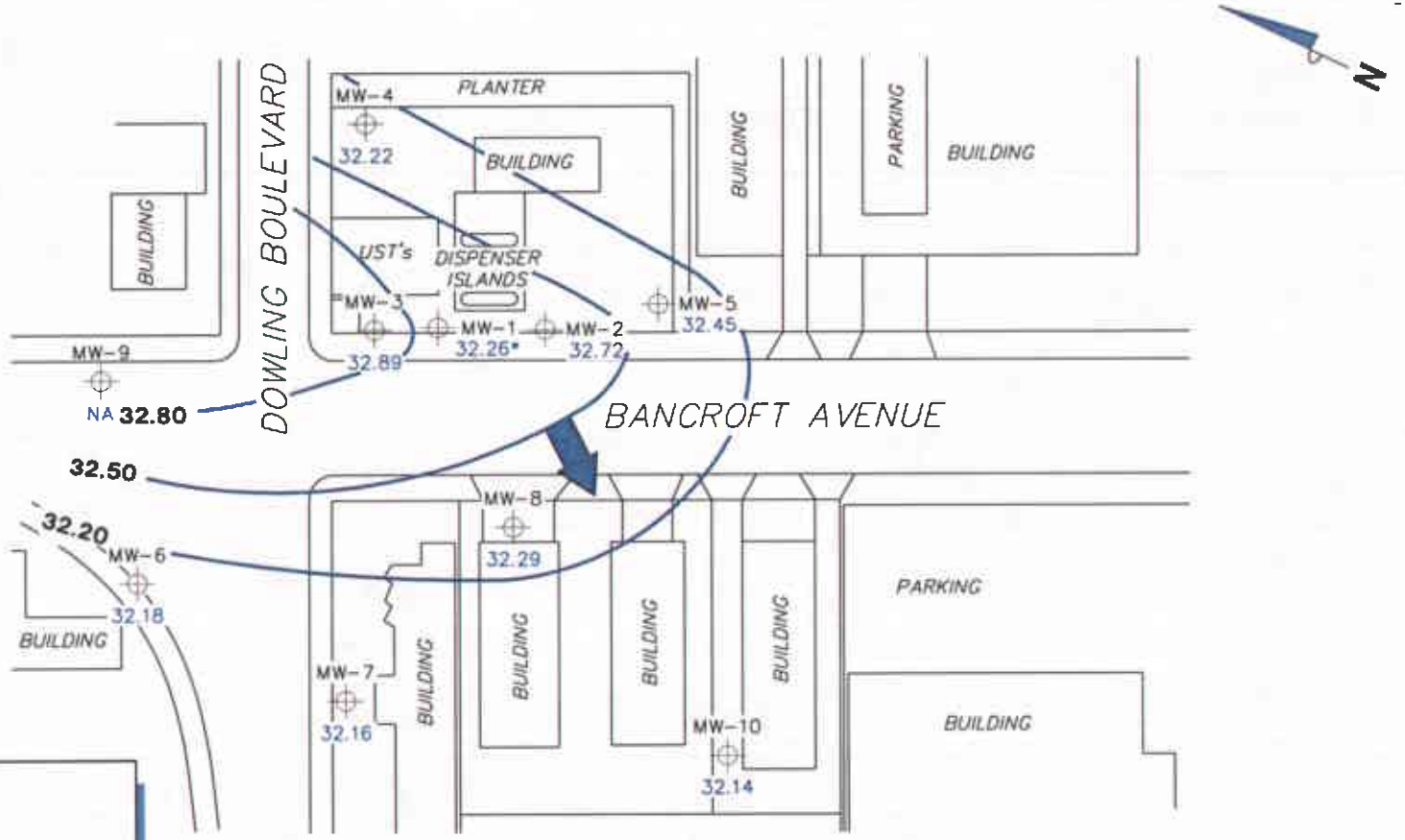
76 Station 5367
500 Bancroft Avenue
San Leandro, California

TRC

FIGURE 1

PS = 1:1

Graphics on Irvine-fs1(L:)\VICINITY MAPS\1234vm.dwg 4/29/04 jw



LEGEND

MW-10 ⊕ Monitoring Well with Groundwater Elevation (feet)

32.80 —— 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. NA = not analyzed, measured or collected. * = not included in groundwater contour interpretation.

GROUNDWATER ELEVATION CONTOUR MAP
March 11, 2004

76 Station 5367
500 Bancroft Avenue
San Leandro, California

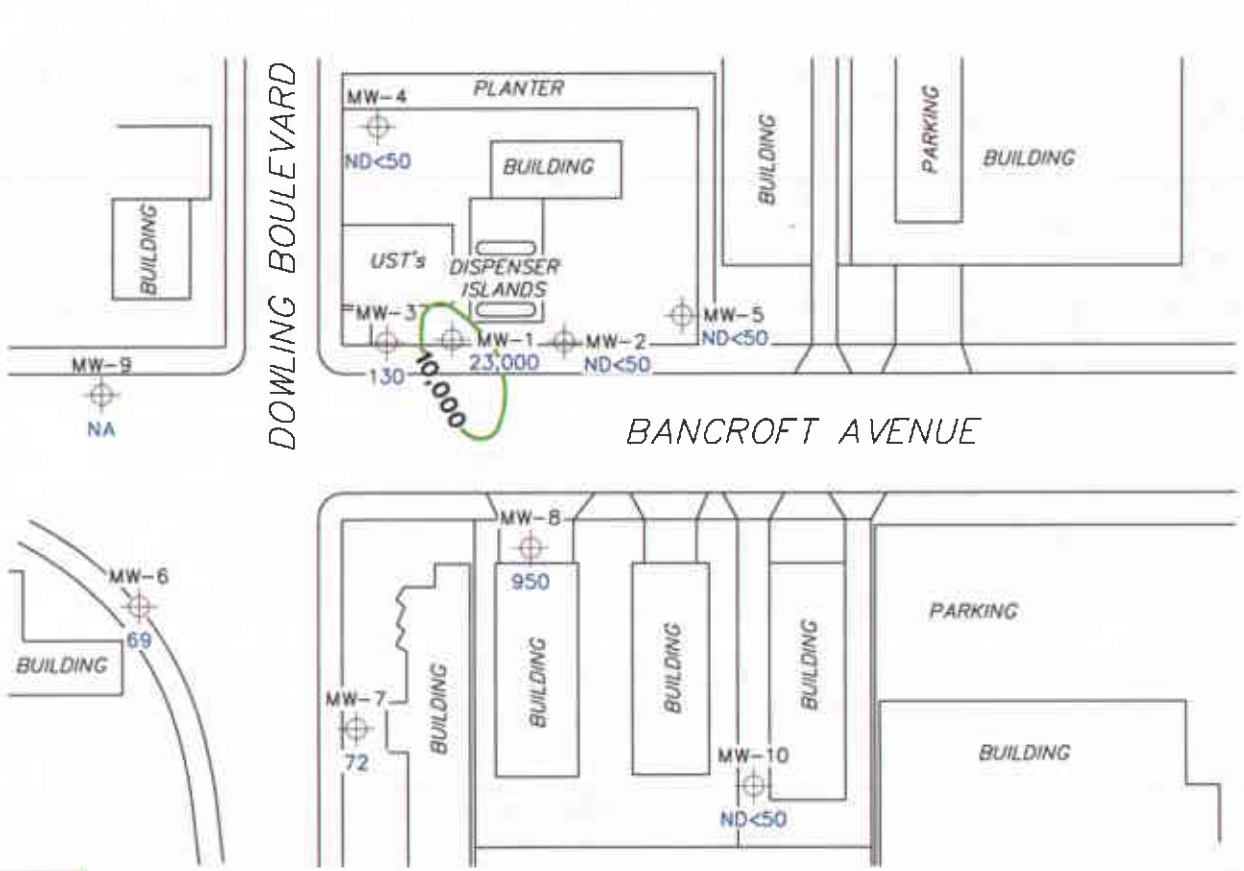
SCALE (FEET)
0 80

PS=1:1

TRC

FIGURE 2

Graphics on Ir1(I:)\GRAPHICS\Projects By...\20-xxxx\20-0400\5367QMS.dwg 4/28/04 lgs



LEGEND

MW-1 ⊕ Monitoring Well with Dissolved-Phase TPPH Concentration (µg/l)

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

NOTES:

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

SCALE (FEET)

0 80

DISSOLVED-PHASE TPPH CONCENTRATION MAP
March 11, 2004

76 Station 5367
500 Bancroft Avenue
San Leandro, California

FIGURE 3

TRC

PS=1:1

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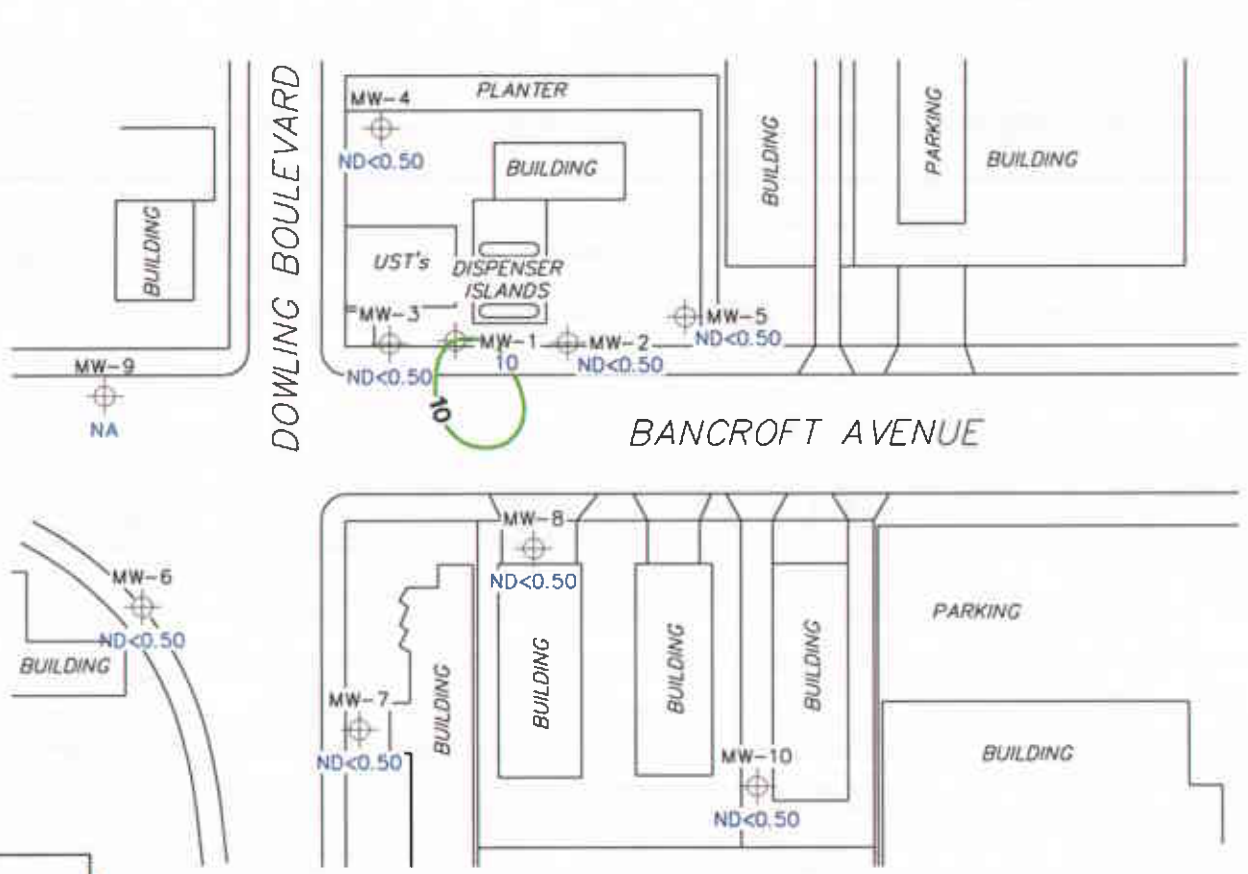

LEGEND

MW-10 ⊕ Monitoring Well with Dissolved-Phase Benzene Concentration (µg/l)

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

NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. NA = not analyzed, measured or collected.

SCALE (FEET)

0 80

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
March 11, 2004

76 Station 5367
500 Bancroft Avenue
San Leandro, California

FIGURE 4

TRC

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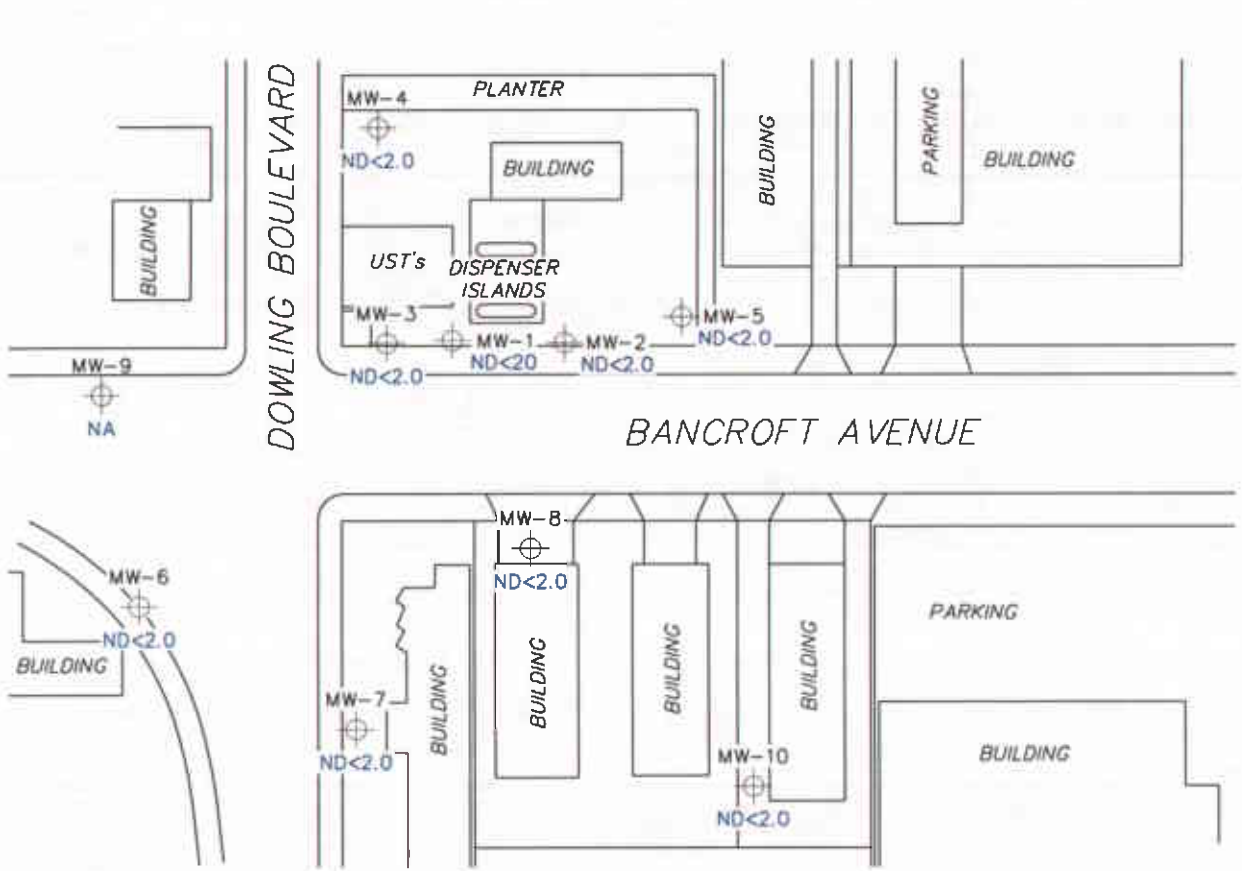

LEGEND

MW-10 ⊕ Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)

NOTES:

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. NA = not analyzed, measured or collected.

SCALE (FEET)

0 80

DISSOLVED-PHASE MTBE CONCENTRATION MAP
March 11, 2004

76 Station 5367
500 Bancroft Avenue
San Leandro, California

FIGURE 5

TRC

PS=1:1

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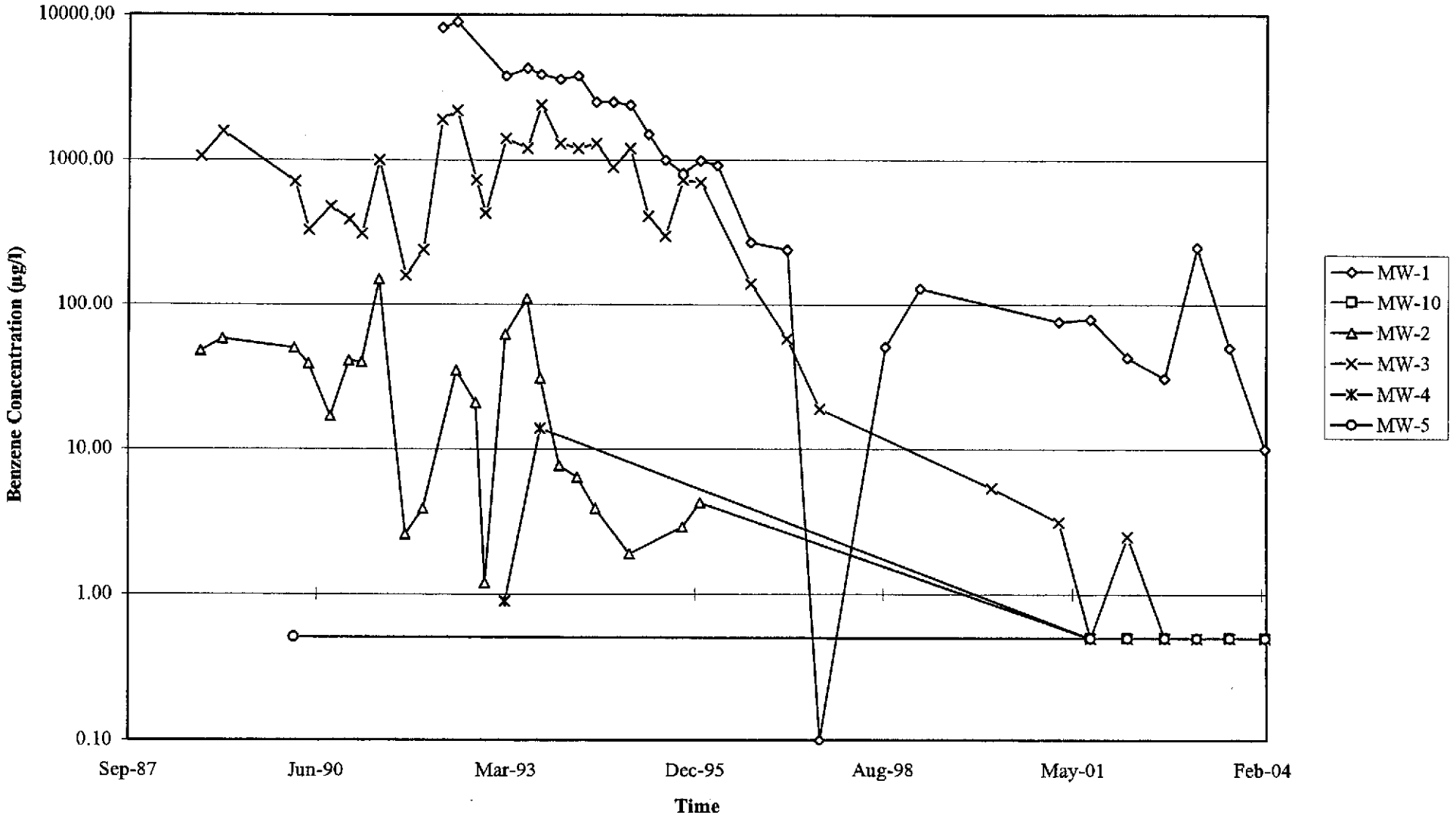
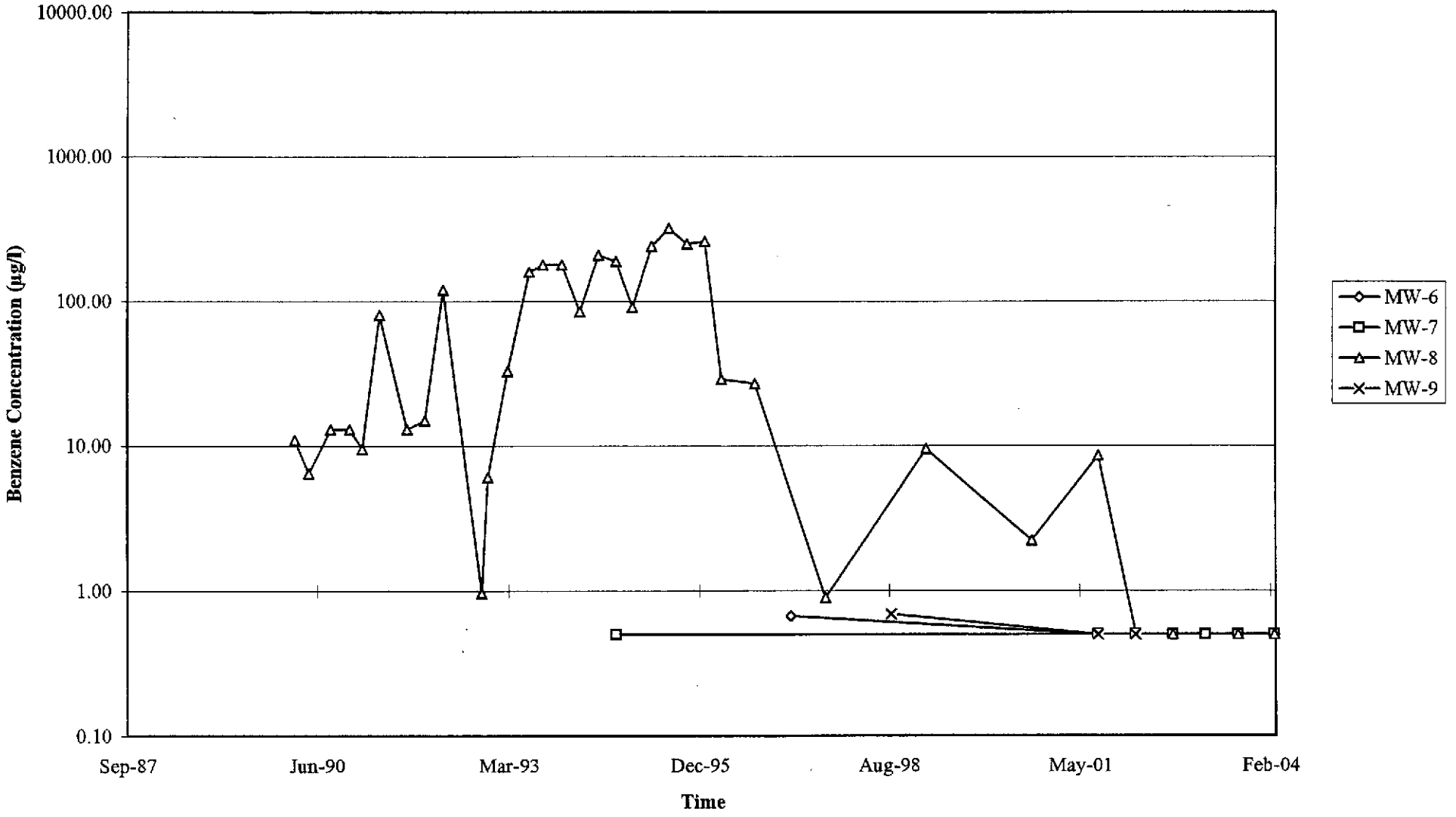
GRAPHS

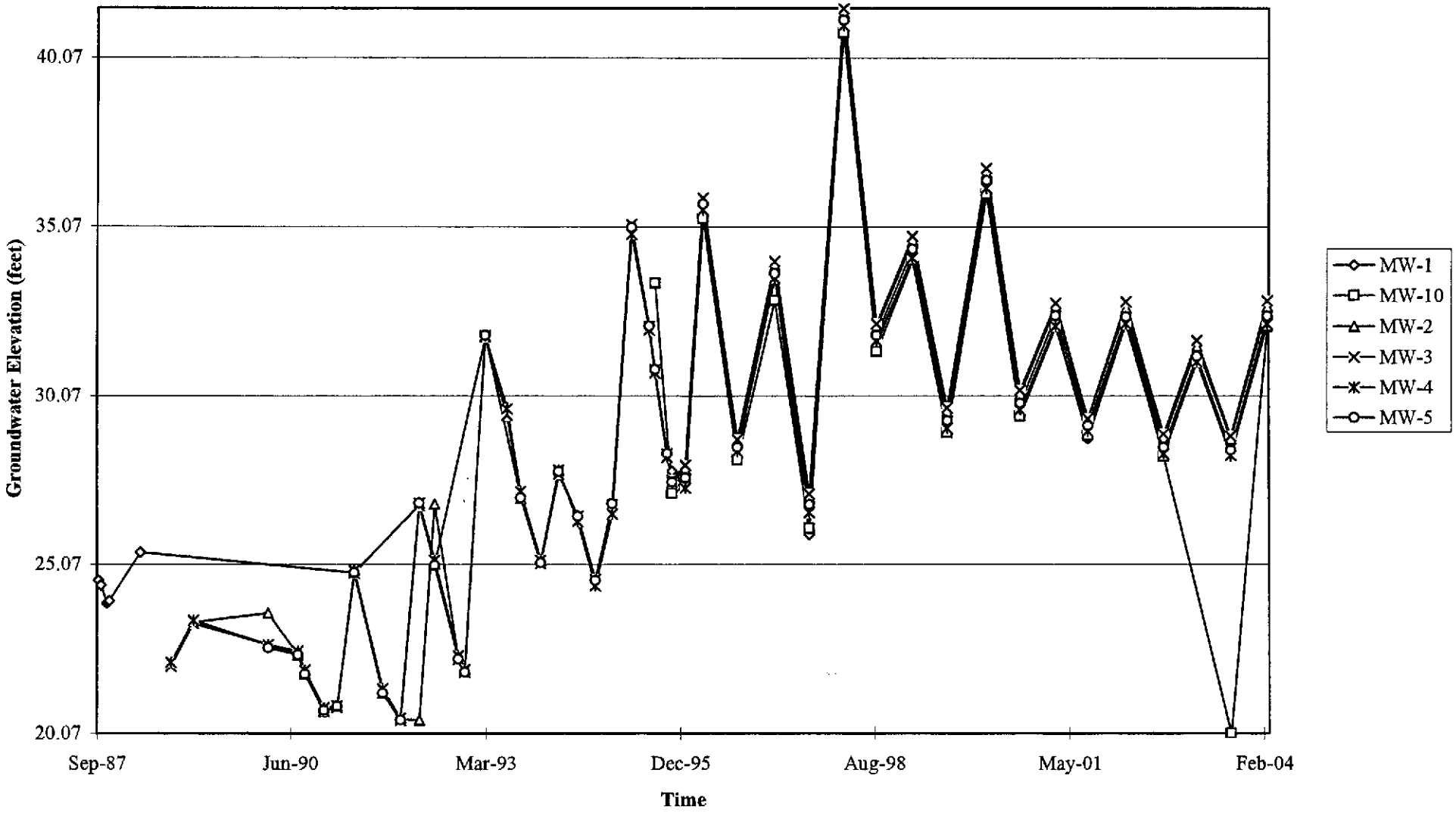
Graph 1
Benzene Concentrations vs. Time
76 Station 5367



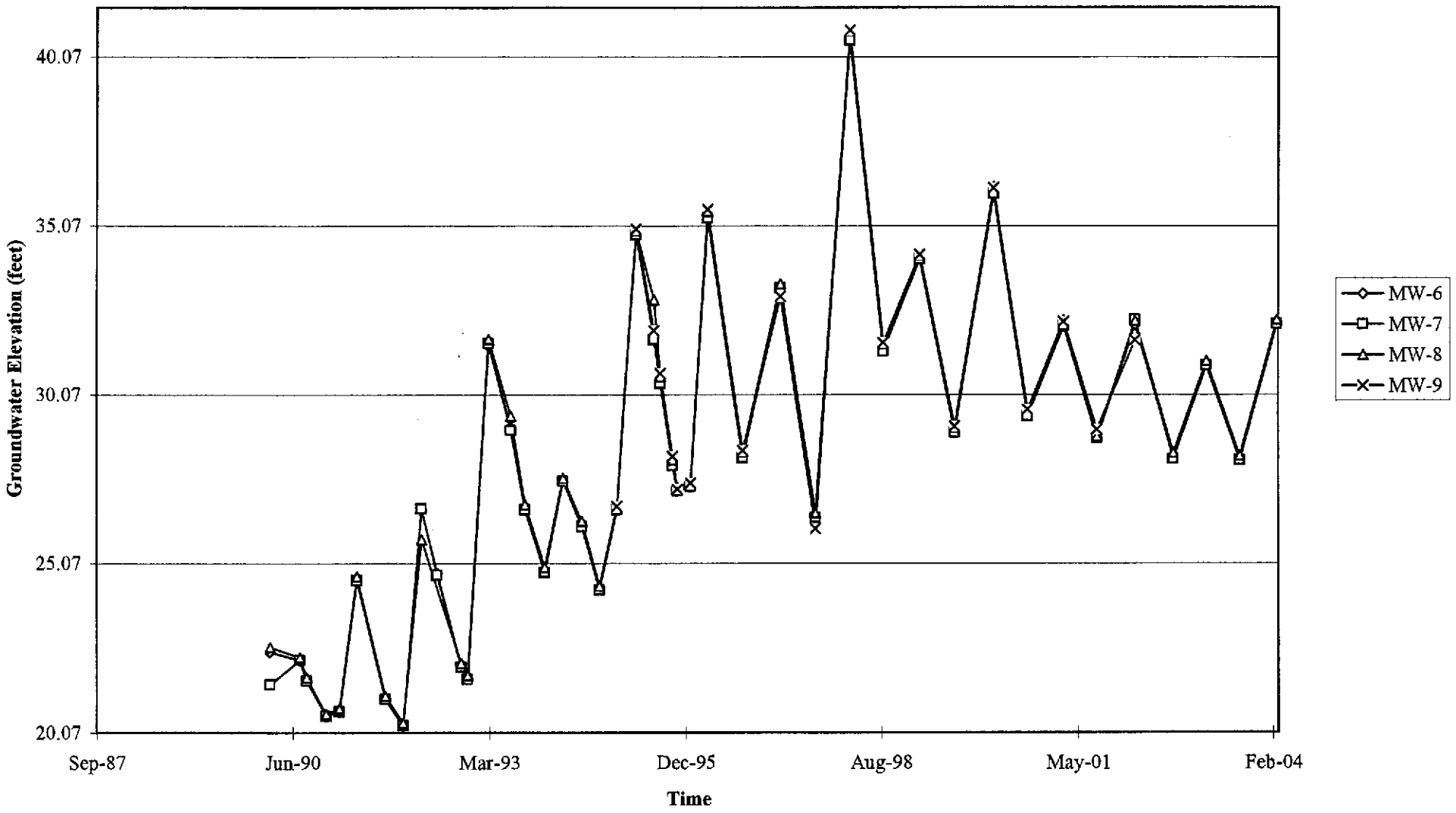
Graph 2
Benzene Concentrations vs. Time
76 Station 5367



Graph 3
Hydrograph
76 Station 5367



Graph 4
Hydrograph
76 Station 5367



GENERAL FIELD PROCEDURES

Groundwater Monitoring and Sampling Assignments

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

Fluid Level Measurements

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

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

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

Purging and Groundwater Parameter Measurement

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

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

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

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

Groundwater Sample Collection

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

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

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

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

Sequence of Gauging, Purging, and Sampling

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

Decontamination

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

Exceptions

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

FIELD MONITORING DATA SHEET

Technician: Max/Jeremy Job #/Task #: 41050001/F420 Date: 3-11-04

Site # 5367 Project Manager Adrienne Collins Page 1 of 1

Well #	Grade	TOC	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
MW-5		X	44.30	26.05	0	0	0918	2"
MW-4		X	49.37	26.07	0	0	0955	4"
MW-3		X	48.46	25.03	0	0	0928	4"
MW-2		X	47.60	25.41	0	0	0947	4"
MW-1		X	33.44	25.57	0	0	0937	2"
MW-9		X	—	—	—	—	—	Paved Over
MW-8		X	43.95	25.42	Ø	Ø	0803	2"
MW-7		X	42.18	25.09	Ø	Ø	0852	2"
MW-6		X	44.55	24.78	Ø	Ø	0922	2"
MW-10		X	42.65	26.80	Ø	Ø	0729	

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

GROUNDWATER SAMPLING FIELD NOTES

Technician: max

Site: 5767 Project No.: 4105.0001 Date: 3-11-04

Well No.: MW-3 Purge Method:

Depth to Water (feet): 25.03 Depth to Product (feet): 0

Total Depth (feet): 48.46 LPH & Water Recovered (gallons): 8

Water Column (feet): 23.43 Casing Diameter (Inches): 4"

80% Recharge Depth (feet): 29.72 1 Well Volume (gallons): 15

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0816								
E ~~0733~~			15	644	18.0	7.45		
			30	662	18.5	7.18		
	0834		45	671	18.7	7.22		

Static at Time Sampled	Total Gallons Purged	Time Sampled
25.10	45	0928

Comments:

Well No.: MW-2 Purge Method:

Depth to Water (feet): 25.41 Depth to Product (feet): 0

Total Depth (feet): 47.60 LPH & Water Recovered (gallons): 0

Water Column (feet): 22.19 Casing Diameter (Inches): 4"

80% Recharge Depth (feet): 29.85 1 Well Volume (gallons): 14.42

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0733			15	621	17.7	6.74		
			30	613	18.0	7.03		
	0751		45	615	18.2	7.16		

Static at Time Sampled	Total Gallons Purged	Time Sampled
25.45	45	0947

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: Max

Site: 5367 Project No.: 410 50001 Date: 3-11-04

Well No.: MW-5 Purge Method:

Depth to Water (feet): 26.05 Depth to Product (feet): 0

Total Depth (feet): 44.30 LPH & Water Recovered (gallons): 0

Water Column (feet): 18.25 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 29.70 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0720			3	710	14.0	8.38		
			6	613	16.7	7.59		
	0725		9	599	17.4	7.11		

Static at Time Sampled	Total Gallons Purged	Time Sampled
26.11 *	9	0918

Comments:

Well No.: MW-4 Purge Method:

Depth to Water (feet): 26.07 Depth to Product (feet): 0

Total Depth (feet): 49.37 LPH & Water Recovered (gallons): 0

Water Column (feet): 23.30 Casing Diameter (Inches): 4"

80% Recharge Depth (feet): 30.73 1 Well Volume (gallons): 15

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0845			15	607	17.6	7.45		
			30	613	17.7	7.42		
	0859		45	609	17.7	7.40		

Static at Time Sampled	Total Gallons Purged	Time Sampled
26.09	45	0955

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: Mac

Site: 5367 Project No.: 410500001 Date: 3-11-04

Well No.: mw-1 Purge Method: _____

Depth to Water (feet): 25.57 Depth to Product (feet): 0

Total Depth (feet): 35.44 LPH & Water Recovered (gallons): 0

Water Column (feet): 9.87 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 27.54 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.
0801			2	814	17.4	7.40		
			4	608	17.6	6.96		
	0806		6	819	18.3	6.69		

Static at Time Sampled	Total Gallons Purged	Time Sampled
25.61	6	0957

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: _____

GROUNDWATER SAMPLING FIELD NOTES

Technician: J. KEARNS

Site: 5367 Project No.: 41050001 | FAZO Date: 3/4/04

Well No.: MW-7 Purge Method: H.B.

Depth to Water (feet): 25.09 Depth to Product (feet): Ø

Total Depth (feet): 42.18 LPH & Water Recovered (gallons): Ø

Water Column (feet): 17.09 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 28.51 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0824			3	480	17.4	6.42		
			6	488	17.4	6.43		
	0843		9	484	17.3	6.48		

Static at Time Sampled	Total Gallons Purged	Time Sampled
25.14	9	0852

Comments:

Well No.: MW-6 Purge Method: H.B.

Depth to Water (feet): 24.78 Depth to Product (feet): Ø

Total Depth (feet): 44.55 LPH & Water Recovered (gallons): Ø

Water Column (feet): 19.77 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 24.73 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0900			3	457	19.1	6.30		
			6	461	19.0	6.32		
	0917		9	464	18.9	6.34		

Static at Time Sampled	Total Gallons Purged	Time Sampled
24.81	9	0922

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: J. LEARNS

Site: 5367 Project No.: 41050001 | FA20 Date: 3/16/04

Well No.: MW-10 Purge Method: H.B.

Depth to Water (feet): 26.80 Depth to Product (feet): Ø

Total Depth (feet): 42.65 LPH & Water Recovered (gallons): Ø

Water Column (feet): 15.85 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 29.97 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.
0703			2	519	16.5	6.28		
			4	503	17.0	6.24		
	0719		6	505	17.1	6.29		

Static at Time Sampled	Total Gallons Purged	Time Sampled
26.84	6	0729

Comments:

Well No.: MW-8 Purge Method: ~~S~~ H.B.

Depth to Water (feet): 25.42 Depth to Product (feet): Ø

Total Depth (feet): 43.95 LPH & Water Recovered (gallons): Ø

Water Column (feet): 18.53 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 29.13 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0759			3	5784	17.9	6.38		
			6	592	18.6	6.41		
	0758		9	602	18.4	6.43		

Static at Time Sampled	Total Gallons Purged	Time Sampled
25.48	9	0803

Comments:

STATEMENT OF NON-COMPLETION OF JOB

DATE OF EVENT: 3/11/04 STATION NUMBER: 5367

NAME OF TECH: J. ICEARNS CALLED ~~GORDON~~ ADRIANNE 0830

CALLED PM: X NAME OF PM CALLED: MEEKS

WELL NUMBER: MW-9 STATEMENT FROM PM X OR TECH _____

WELL HAS BEEN PAVED OVER. TECH UNABLE TO LOCATE

WELL NUMBER: _____ STATEMENT FROM PM _____ OR TECH _____

WELL NUMBER: _____ STATEMENT FROM PM _____ OR TECH _____

WELL NUMBER: _____ STATEMENT FROM PM _____ OR TECH _____

SEVERN TRENT STL

Submission#: 2004-03-0476

TRC Alton Geoscience

March 29, 2004

21 Technology Drive
Irvine, CA 92718

Attn.: Anju Farfan

Project#: 41050001FA20
Project: Conoco Phillips # 5367
Site: 500 Bancroft Ave., San Leandro

Attached is our report for your samples received on 03/12/2004 16:38
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 04/26/2004 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,

Dimple Sharma
Project Manager

SEVERN TRENT STL

Submission #: 2004-03-0476

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: 41050001FA20
Conoco Phillips # 5367

Received: 03/12/2004 16:38

Site: 500 Bancroft Ave., San Leandro

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-5	03/11/2004 09:18	Water	1
MW-4	03/11/2004 09:55	Water	2
MW-3	03/11/2004 09:28	Water	3
MW-2	03/11/2004 09:47	Water	4
MW-1	03/11/2004 09:37	Water	5
MW-8	03/11/2004 08:03	Water	6
MW-7	03/11/2004 08:52	Water	7
MW-6	03/11/2004 09:22	Water	8
MW-10	03/11/2004 07:29	Water	9

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: 41050001FA20
Conoco Phillips # 5367

Received: 03/12/2004 16:38

Site: 500 Bancroft Ave., San Leandro

Prep(s): 5030B
Test(s): 8260B
Sample ID: **MW-5**
Lab ID: 2004-03-0476 - 1
Sampled: 03/11/2004 09:18
Extracted: 3/23/2004 19:23
Matrix: Water
QC Batch#: 2004/03/23-2B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/23/2004 19:23	
Benzene	ND	0.50	ug/L	1.00	03/23/2004 19:23	
Toluene	ND	0.50	ug/L	1.00	03/23/2004 19:23	
Ethylbenzene	ND	0.50	ug/L	1.00	03/23/2004 19:23	
Total xylenes	ND	1.0	ug/L	1.00	03/23/2004 19:23	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	03/23/2004 19:23	
Surrogate(s)						
1,2-Dichloroethane-d4	99.9	76-114	%	1.00	03/23/2004 19:23	
Toluene-d8	94.5	88-110	%	1.00	03/23/2004 19:23	

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: 41050001FA20
Conoco Phillips # 5367

Received: 03/12/2004 16:38

Site: 500 Bancroft Ave., San Leandro

Prep(s): 5030B
Sample ID: **MW-4**
Sampled: 03/11/2004 09:55
Matrix: Water

Test(s): 8260B
Lab ID: 2004-03-0476 - 2
Extracted: 3/24/2004 13:32
QC Batch#: 2004/03/24-1A.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/24/2004 13:32	
Benzene	ND	0.50	ug/L	1.00	03/24/2004 13:32	
Toluene	ND	0.50	ug/L	1.00	03/24/2004 13:32	
Ethylbenzene	ND	0.50	ug/L	1.00	03/24/2004 13:32	
Total xylenes	ND	1.0	ug/L	1.00	03/24/2004 13:32	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	03/24/2004 13:32	
Surrogate(s)						
1,2-Dichloroethane-d4	93.3	76-114	%	1.00	03/24/2004 13:32	
Toluene-d8	93.6	88-110	%	1.00	03/24/2004 13:32	

Gas/BTEX/MTBE by 8260B

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 5367

Received: 03/12/2004 16:38

Site: 500 Bancroft Ave., San Leandro

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

Sample ID: **MW-3**
Lab ID: 2004-03-0476 - 3

Sampled: 03/11/2004 09:28
Extracted: 3/24/2004 13:52

Matrix: Water
QC Batch#: 2004/03/24-1A.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	130	50	ug/L	1.00	03/24/2004 13:52	
Benzene	ND	0.50	ug/L	1.00	03/24/2004 13:52	
Toluene	ND	0.50	ug/L	1.00	03/24/2004 13:52	
Ethylbenzene	1.1	0.50	ug/L	1.00	03/24/2004 13:52	
Total xylenes	ND	1.0	ug/L	1.00	03/24/2004 13:52	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	03/24/2004 13:52	
Surrogate(s)						
1,2-Dichloroethane-d4	96.6	76-114	%	1.00	03/24/2004 13:52	
Toluene-d8	96.4	88-110	%	1.00	03/24/2004 13:52	

Gas/BTEX/MTBE by 8260B

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 5367

Received: 03/12/2004 16:38

Site: 500 Bancroft Ave., San Leandro

Prep(s): 5030B
Sample ID: **MW-2**
Sampled: 03/11/2004 09:47
Matrix: Water

Test(s): 8260B
Lab ID: 2004-03-0476 - 4
Extracted: 3/24/2004 14:11
QC Batch#: 2004/03/24-1A.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/24/2004 14:11	
Benzene	ND	0.50	ug/L	1.00	03/24/2004 14:11	
Toluene	ND	0.50	ug/L	1.00	03/24/2004 14:11	
Ethylbenzene	ND	0.50	ug/L	1.00	03/24/2004 14:11	
Total xylenes	ND	1.0	ug/L	1.00	03/24/2004 14:11	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	03/24/2004 14:11	
Surrogate(s)						
1,2-Dichloroethane-d4	94.1	76-114	%	1.00	03/24/2004 14:11	
Toluene-d8	96.1	88-110	%	1.00	03/24/2004 14:11	

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: 41050001FA20
Conoco Phillips # 5367

Received: 03/12/2004 16:38

Site: 500 Bancroft Ave., San Leandro

Prep(s): 5030B
Sample ID: **MW-1**
Sampled: 03/11/2004 09:37
Matrix: Water
Analysis Flag: o (See Legend and Note Section)

Test(s): 8260B
Lab ID: 2004-03-0476 - 5
Extracted: 3/24/2004 14:30
QC Batch#: 2004/03/24-1A.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	23000	500	ug/L	10.00	03/24/2004 14:30	
Benzene	10	5.0	ug/L	10.00	03/24/2004 14:30	
Toluene	ND	5.0	ug/L	10.00	03/24/2004 14:30	
Ethylbenzene	1100	5.0	ug/L	10.00	03/24/2004 14:30	
Total xylenes	2100	10	ug/L	10.00	03/24/2004 14:30	
Methyl tert-butyl ether (MTBE)	ND	20	ug/L	10.00	03/24/2004 14:30	
Surrogate(s)						
1,2-Dichloroethane-d4	103.3	76-114	%	10.00	03/24/2004 14:30	
Toluene-d8	93.8	88-110	%	10.00	03/24/2004 14:30	

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: 41050001FA20
Conoco Phillips # 5367

Received: 03/12/2004 16:38

Site: 500 Bancroft Ave., San Leandro

Prep(s): 5030B
Sample ID: **MW-8**
Sampled: 03/11/2004 08:03
Matrix: Water

Test(s): 8260B
Lab ID: 2004-03-0476 - 6
Extracted: 3/24/2004 14:49
QC Batch#: 2004/03/24-1A.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	950	50	ug/L	1.00	03/24/2004 14:49	
Benzene	ND	0.50	ug/L	1.00	03/24/2004 14:49	
Toluene	ND	0.50	ug/L	1.00	03/24/2004 14:49	
Ethylbenzene	15	0.50	ug/L	1.00	03/24/2004 14:49	
Total xylenes	1.4	1.0	ug/L	1.00	03/24/2004 14:49	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	03/24/2004 14:49	
Surrogate(s)						
1,2-Dichloroethane-d4	99.0	76-114	%	1.00	03/24/2004 14:49	
Toluene-d8	96.1	88-110	%	1.00	03/24/2004 14:49	

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: 41050001FA20
Conoco Phillips # 5367

Received: 03/12/2004 16:38

Site: 500 Bancroft Ave., San Leandro

Prep(s): 5030B
Test(s): 8260B
Sample ID: **MW-7**
Lab ID: 2004-03-0476 - 7
Sampled: 03/11/2004 08:52
Extracted: 3/23/2004 21:35
Matrix: Water
QC Batch#: 2004/03/23-2B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	72	50	ug/L	1.00	03/23/2004 21:35	g
Benzene	ND	0.50	ug/L	1.00	03/23/2004 21:35	
Toluene	ND	0.50	ug/L	1.00	03/23/2004 21:35	
Ethylbenzene	ND	0.50	ug/L	1.00	03/23/2004 21:35	
Total xylenes	ND	1.0	ug/L	1.00	03/23/2004 21:35	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	03/23/2004 21:35	
Surrogate(s)						
1,2-Dichloroethane-d4	100.4	76-114	%	1.00	03/23/2004 21:35	
Toluene-d8	91.8	88-110	%	1.00	03/23/2004 21:35	

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: 41050001FA20
Conoco Phillips # 5367

Received: 03/12/2004 16:38

Site: 500 Bancroft Ave., San Leandro

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-6**	Lab ID:	2004-03-0476 - 8
Sampled:	03/11/2004 09:22	Extracted:	3/23/2004 21:57
Matrix:	Water	QC Batch#:	2004/03/23-2B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	69	50	ug/L	1.00	03/23/2004 21:57	g
Benzene	ND	0.50	ug/L	1.00	03/23/2004 21:57	
Toluene	ND	0.50	ug/L	1.00	03/23/2004 21:57	
Ethylbenzene	ND	0.50	ug/L	1.00	03/23/2004 21:57	
Total xylenes	ND	1.0	ug/L	1.00	03/23/2004 21:57	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	03/23/2004 21:57	
Surrogate(s)						
1,2-Dichloroethane-d4	100.0	76-114	%	1.00	03/23/2004 21:57	
Toluene-d8	90.9	88-110	%	1.00	03/23/2004 21:57	

Gas/BTEX/MTBE by 8260B

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Project: 41050001FA20
Conoco Phillips # 5367

Received: 03/12/2004 16:38

Site: 500 Bancroft Ave., San Leandro

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-10**	Lab ID:	2004-03-0476 - 9
Sampled:	03/11/2004 07:29	Extracted:	3/23/2004 22:19
Matrix:	Water	QC Batch#:	2004/03/23-2B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/23/2004 22:19	
Benzene	ND	0.50	ug/L	1.00	03/23/2004 22:19	
Toluene	ND	0.50	ug/L	1.00	03/23/2004 22:19	
Ethylbenzene	ND	0.50	ug/L	1.00	03/23/2004 22:19	
Total xylenes	ND	1.0	ug/L	1.00	03/23/2004 22:19	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	03/23/2004 22:19	
Surrogate(s)						
1,2-Dichloroethane-d4	99.6	76-114	%	1.00	03/23/2004 22:19	
Toluene-d8	93.0	88-110	%	1.00	03/23/2004 22:19	

Gas/BTEX/MTBE by 8260B

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Project: 41050001FA20
Conoco Phillips # 5367

Received: 03/12/2004 16:38

Site: 500 Bancroft Ave., San Leandro

Batch QC Report

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

Method Blank **Water** **QC Batch # 2004/03/23-2B.64**

MB: 2004/03/23-2B.64-010
Date Extracted: 03/23/2004 18:10

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	03/23/2004 18:10	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	03/23/2004 18:10	
Benzene	ND	0.5	ug/L	03/23/2004 18:10	
Toluene	ND	0.5	ug/L	03/23/2004 18:10	
Ethylbenzene	ND	0.5	ug/L	03/23/2004 18:10	
Total xylenes	ND	1.0	ug/L	03/23/2004 18:10	
Surrogates(s)					
1,2-Dichloroethane-d4	99.0	76-114	%	03/23/2004 18:10	
Toluene-d8	90.8	88-110	%	03/23/2004 18:10	

Gas/BTEX/MTBE by 8260B

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Irvine, CA 92718
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Project: 41050001FA20
Conoco Phillips # 5367

Received: 03/12/2004 16:38

Site: 500 Bancroft Ave., San Leandro

Batch QC Report

Prep(s): 5030B
Method Blank

Water

Test(s): 8260B
QC Batch # 2004/03/24-1A.68

MB: 2004/03/24-1A.68-032

Date Extracted: 03/24/2004 08:32

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	03/24/2004 08:32	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	03/24/2004 08:32	
Benzene	ND	0.5	ug/L	03/24/2004 08:32	
Toluene	ND	0.5	ug/L	03/24/2004 08:32	
Ethylbenzene	ND	0.5	ug/L	03/24/2004 08:32	
Total xylenes	ND	1.0	ug/L	03/24/2004 08:32	
Surrogates(s)					
1,2-Dichloroethane-d4	85.5	76-114	%	03/24/2004 08:32	
Toluene-d8	91.8	88-110	%	03/24/2004 08:32	

Gas/BTEX/MTBE by 8260B

TRC Alton Geoscience

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Project: 41050001FA20
Conoco Phillips # 5367

Received: 03/12/2004 16:38

Site: 500 Bancroft Ave., San Leandro

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/03/23-2B.64**

LCS 2004/03/23-2B.64-025 Extracted: 03/23/2004 Analyzed: 03/23/2004 17:25

LCSD 2004/03/23-2B.64-047 Extracted: 03/23/2004 Analyzed: 03/23/2004 17:47

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	23.3	22.4	25	93.2	89.6	3.9	65-165	20		
Benzene	23.3	24.5	25	93.2	98.0	5.0	69-129	20		
Toluene	23.3	24.0	25	93.2	96.0	3.0	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	479	457	500	95.8	91.4		76-114			
Toluene-d8	446	473	500	89.2	94.6		88-110			

Gas/BTEX/MTBE by 8260B

TRC Alton Geoscience
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Project: 41050001FA20
Conoco Phillips # 5367

Received: 03/12/2004 16:38

Site: 500 Bancroft Ave., San Leandro

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/03/24-1A.68**

LCS 2004/03/24-1A.68-054 Extracted: 03/24/2004 Analyzed: 03/24/2004 07:54
LCSD 2004/03/24-1A.68-013 Extracted: 03/24/2004 Analyzed: 03/24/2004 08:13

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	20.6	19.2	25	82.4	76.8	7.0	65-165	20		
Benzene	21.0	21.3	25	84.0	85.2	1.4	69-129	20		
Toluene	22.6	22.6	25	90.4	90.4	0.0	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	409	397	500	81.8	79.4		76-114			
Toluene-d8	453	451	500	90.6	90.2		88-110			

Gas/BTEX/MTBE by 8260B

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Irvine, CA 92718
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Project: 41050001FA20
Conoco Phillips # 5367

Received: 03/12/2004 16:38

Site: 500 Bancroft Ave., San Leandro

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 #:2004- 03 - 0476

Checklist completed by: (initials) MN Date: 03/15/04

Courier name: ☒ STL San Francisco ☐ Client _____

Custody seals intact on shipping container/samples	Yes____ No____	Not Present ✓
Chain of custody present?	Yes ✓	No____
Chain of custody signed when relinquished and received?	Yes ✓	No____
Chain of custody agrees with sample labels?	Yes ✓	No____
Samples in proper container/bottle?	Yes ✓	No____
Sample containers intact?	Yes ✓	No____
Sufficient sample volume for indicated test?	Yes ✓	No____
All samples received within holding time?	Yes ✓	No____
Container/Temp Blank temperature in compliance (4^{o} C ± 2)?	Temp: 3.2 °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: ____/____/04

Client contacted: ☐ Yes ☐ No

Summary of discussion: _____

Corrective Action (per PM/Client): _____

2004-03-0476

ConocoPhillips Chain Of Custody Record

83850

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

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

ConocoPhillips Site Manager:

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

ConocoPhillips Work Order Number:

ConocoPhillips Cost Object:

DATE: 11 March 04

PAGE: 1 of 1

SAMPLING COMPANY: TRC	Valid Value ID:
CONOCOPHILLIPS SITE NUMBER: 5367	GLOBAL ID NO.: N/A
ADDRESS: 21 Technology Drive, Irvine CA 92618	SITE ADDRESS (Street and City): 500 Bancroft Ave. San Leandro
CONOCOPHILLIPS SITE MANAGER:	
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	E-MAIL:
TELEPHONE: 949-341-7440	FAX: 949-753-0111
E-MAIL: afarfan@trcsolutions.com	LAB USE ONLY
SAMPLER NAME(S) (Print): MATT ECKSTEIN / JEREMY KEARNS	CONSULTANT PROJECT NUMBER: 41050001/FA20

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

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF 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 - TPHg/BTEX/MtBE	8260B - TPHg / BTEX / 8 Oxygenates	8260B - TPHg / BTEX / 8 oxygenates + methanol (8015M)	8260B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	8015M / 8021B - TPHg/BTEX/MtBE	Lead ☐Total ☐STLC ☐TCLP	X TPPHg 8260B	X BTEX/MTBE by 8260B
	MW-5	3-11-04	0918	GW	3									X	X
	MW-4		0955												
	MW-3		0928												
	MW-2		0947												
	MW-1		0937												
	MW-8		0803												
	MW-7		0852												
	MW-6		0922												
	MW-10	↓	0729	↓	↓									↓	↓

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

3.2°C

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature) Refridgerator	Date: 3-11-04	Time: 11 50
Relinquished by: (Signature)	Received by: (Signature)	Date: 3-12-04	Time: 1104
Relinquished by: (Signature) 3/12/04 1638	Received by: (Signature) Denise Harrington / STL-SF	Date: 3/12/04	Time: 1638

9/19/03 Revision

STATEMENTS

Purge Water Transport and Disposal

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

Limitations

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