MILLER BROOKS Environmental, Inc.

720 Southpoint Blvd. Suite 207
Petaluma, CA 94954
Phone (707) 765-0466, Fax (707) 765-0366

TRANSMITTAL

TO: Mr. Scott Seery
Alameda County Health Care Services
1131 Harbor Bay Parkway
Alameda, CA 94502

DATE: April 27, 2004
PROJECT NO. 06-459-7176-04
SUBJECT: 76 Service Station 7176
Dublin, California

From: Jeremy Smith

WE ARE SENDING YOU:

COPIES	DATED	DESCRIPTION
1	4/27/04	First Quarter Site Status Report

THESE ARE TRANSMITTED as checked below:

- ☐ For review and comment
- ☐ As Requested
- ☐ For Approval
- ☐ Approved as submitted
- ☐ Approved as noted
- ☐ Returned for corrections
- ☒ For your files
- ☐ For your use
- ☐ As noted below

COMMENTS:
Attached is a copy of the First Quarter 2004 Site Status Report for the above referenced site.

Signed: _____

COPIES TO: Mr. Thomas Kosel, ConocoPhillips, (electronic copy)

MILLER BROOKS
Environmental, Inc.

April 27, 2004

Mr. Scott Seery
Alameda County Health Care Services
1131 Harbor Bay Parkway
Alameda, CA 94502

RE: **Quarterly Summary Report-First Quarter 2004**
Miller Brooks Environmental, Inc. Project No.: 06-459-7176-04

Dear Mr. Seery:

On behalf of ConocoPhillips Company (ConocoPhillips), Miller Brooks Environmental, Incorporated (Miller Brooks) is forwarding the quarterly summary report for the following location:

Service Station	**Location**
76 Service Station No. 7176 COP NO. WNO.1635	7850 Amador Valley Boulevard Dublin, California

Sincerely,
Miller Brooks Environmental, Incorporated

Jed Douglas, R.G. No. 7516
Senior Geologist

REGISTERED GEOLOGIST
JED A. DOUGLAS
NO. 7516
STATE OF CALIFORNIA

Attachment: Site Plan

cc: Mr. Thomas Kosel, ConocoPhillips

MILLER BROOKS
Environmental, Inc.

April 15, 2004

Mr. Scott Seery
Alameda County Health Care Services
1131 Harbor Bay Parkway
Alameda, CA 94502

SITE: 76 SERVICE STATION NO. 7176
7850 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA
COP NO. WNO.1635

RE: **FIRST QUARTER 2004 GROUNDWATER MONITORING AND SAMPLING REPORT EXTENSION REQUEST**

Dear Mr. Seery:

Miller Brooks Environmental, Inc. (Miller Brooks), on behalf of ConocoPhillips Company (ConocoPhillips), respectfully submits this request for an extension of the due date for the quarterly monitoring and sampling report for the abovementioned site. A current estimate from TRC, the ConocoPhillips groundwater sampling contractor, on the completion of the First Quarter 2004 Monitoring and Sampling Report for the site is April 23, 2004. Once the report is completed by the groundwater sampling contractor, Miller Brooks will conduct a review of the results and prepare a Quarterly Status Report for the site. Miller Brooks anticipates that both reports will be submitted within one week of the receipt of TRC's report.

If you have any questions, please contact me at (707) 765-0466, or Thomas Kosel of ConocoPhillips at (918) 661-3896.

Sincerely,
MILLER BROOKS ENVIRONMENTAL, INC.

Everett Ferguson Jr., RG 7159, CHG 780
Senior Hydrogeologist

cc: ConocoPhillips Company (electronic copy)

459-7176

RO 482

QUARTERLY SUMMARY REPORT
First Quarter 2004

76 Service Station No. 7176
7850 Amador Valley Boulevard
Dublin, California

City/County ID #: STID #4104

County: Alameda

PREVIOUS ASSESSMENT

In November 1994, Unocal Corporation (Unocal) replaced the fuel underground storage tanks (USTs) and removed the used-oil UST and associated product piping. An oil/water separator was also decommissioned. No holes or signs of leakage were observed on the fuel USTs, however, eight holes up to 0.5 inches in diameter were observed in the used-oil UST. The soil sample analyzed from beneath the used-oil UST was reported as non detect for all analytes. The soil samples collected from beneath the fuel USTs indicate that petroleum hydrocarbons are present in the soil near the fuel UST cavity and product dispensers.

In October 1995, Unocal performed a soil and groundwater investigation that included drilling six soil borings (B1 through B6) and constructing three on-site groundwater monitoring wells (U1 through U3). Total petroleum hydrocarbons as diesel (TPHd), TPH as gasoline (TPHg), and benzene were present in the soil samples analyzed up to 25 milligrams per kilogram (mg/kg), 150 mg/kg, and 0.21 mg/kg, respectively.

During March 1998, Tosco Marketing Company (Tosco, now ConocoPhillips) performed an off-site soil and groundwater investigation that included installation of two off-site groundwater monitoring wells (MW4 and MW5). Petroleum hydrocarbons were not detected in the soil samples collected from these boreholes.

In June 2001, ERI submitted an *Addendum to Request and Work Plan for Case Closure,* including hydrographs and concentration versus time graphs for select wells, and required agency closure summary forms.

SENSITIVE RECEPTORS

In August 2000, ERI submitted a *Request and Work Plan for Case Closure* presenting the results of a groundwater receptor survey and risk-based corrective action Tier II analysis and requesting closure of the environmental case. No active groundwater production wells were positively identified within the survey radius during the agency or field groundwater receptor surveys.

MONITORING AND SAMPLING

Groundwater beneath the site is currently monitored and sampled on a semi-annual basis during the first and third quarter of each year. During the February 4, 2004 monitoring and sampling event, groundwater was present beneath the site at a depth ranging from 14.41 to 16.87 feet below

the top of casing (TOC). The groundwater flow direction was reported towards the southeast at a gradient of 0.003 ft/ft. TPHg, TPHd, and methyl tertiary butyl ether (MTBE) were present in the groundwater at concentrations up to 4,400, 1,300, and 9.6 micrograms per liter (µg/L), respectively. Benzene was not detected at or above the laboratory detection limits in the groundwater samples analyzed during the February 4, 2004 sampling event.

REMEDIATION STATUS

Approximately 5,000 gallons of groundwater were removed from the fuel UST cavity during the 1994 UST replacement activities. A total of 15,511 gallons of groundwater have been removed historically from the site. Approximately 1,863 tons of hydrocarbon-impacted soil were excavated and removed from the site during the 1994 UST replacement activities.

CHARACTERIZATION STATUS

The soil impact beneath the site is limited to a small area surrounding UST cavity and dispenser islands. Groundwater beneath the site is delineated, however there are elevated concentrations of TPHg and TPHd in well MW-4. These concentrations have shown a decreasing trend since 2001.

RECENT CORRESPONDENCE

There was no correspondence during the first quarter 2004.

THIS QUARTER ACTIVITIES (First Quarter 2004)

1. The groundwater monitoring wells were monitored and sampled on February 4, 2004 by TRC Companies (TRC).

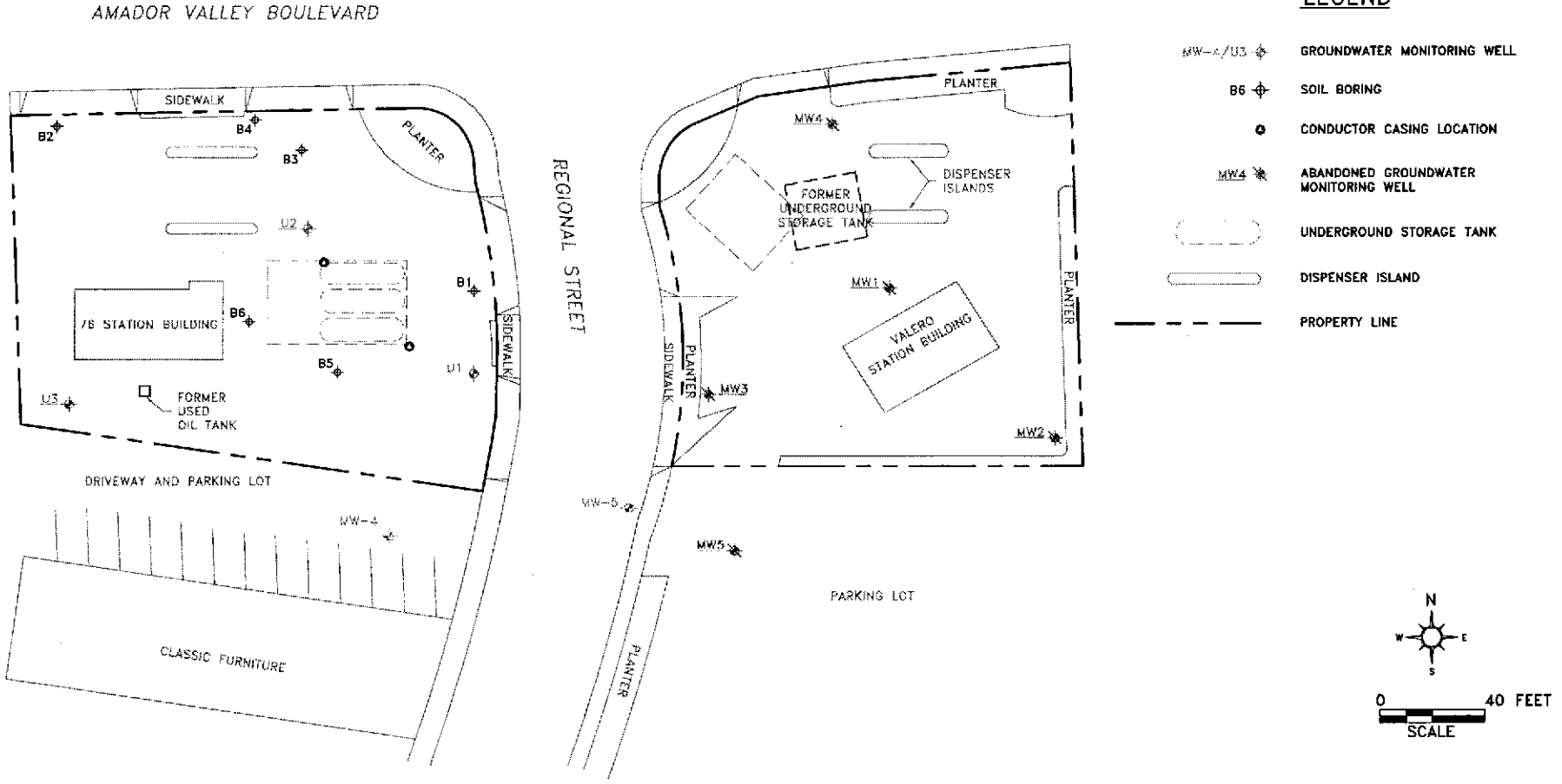
WASTE DISPOSAL SUMMARY

No waste was generated during this reporting period.

NEXT QUARTER ACTIVITIES (Second Quarter 2004)

1. Miller Brooks is currently anticipating a response from the Alameda County Health Care Services Agency to ConocoPhillips request for site closure, submitted in June 2001.

CONSULTANT: Miller Brooks Environmental, Incorporated



MILLER BROOKS Environmental, Inc.	DRAWN BY: DCN	SITE PLAN	FIGURE 2
	DATE: 03/25/04		
	REVISED BY:		
720 SOUTHPOINT BLVD., SUITE 207 PETALUMA, CA. 94954 (707) 765-0466	REVISED:	76 SERVICE STATION 7176 7850 AMADOR VALLEY BLVD. DUBLIN, CA	
	APPROVED BY: JAD		
PROJECT NO. 06-459-7176-04	DATE: 03/25/04	FILE: K:\DWGS\C-P\ NO. 7176 (7850 AMADOR BLVD.)\SITE PLAN DATE PLOTTED: 03/25/04	

RO 482

TRC

Customer-Focused Solutions

April 7, 2004

ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

ATTN: MR. THOMAS H. KOSEL

SITE: 76 STATION 7176
7850 AMADOR VALLEY BLVD.
DUBLIN, CALIFORNIA

RE: QUARTERLY MONITORING REPORT
JANUARY THROUGH MARCH 2004

Dear Mr. Kosel:

Please find enclosed our Quarterly Monitoring Report for 76 Station 7176, located at 7850 Amador Valley Blvd., Dublin, 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: Mr. Amir Gholami, Alameda County Health Care Services
Mr. Paul Blank, ERI, Inc.
Mr. Everett Ferguson, Miller Brooks Environmental

Enclosures
20-0400/7176R01.QMS

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

TRC

Customer-Focused Solutions

FIRST QUARTER 2004
FLUID LEVEL MONITORING AND
GROUNDWATER SAMPLING REPORT
April 7, 2004

76 STATION 7176
7850 Amador Valley Blvd.
Dublin, California

Prepared For:

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

By:

Senior Project Geologist, Irvine Operations

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

GROUNDWATER MONITORING REPORT

LIST OF ATTACHMENTS	
Summary Sheet	Summary of Gauging and Sampling Activities
Tables	Table Key Table 1: Summary of Groundwater Levels and Chemical Analysis Results Table 2: Historic Groundwater Levels and Chemical Analysis Results Table 3: Summary of Additional Chemical Analysis Results
Figures	Figure 1: Vicinity Map Figure 2: Groundwater Elevation Contour Map Figure 3: Dissolved-Phase TPPH Concentration Map Figure 4: Dissolved-Phase Benzene Concentration Map Figure 5: Dissolved-Phase MTBE Concentration Map Figure 6: Dissolved-Phase TPH-D 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
January 2004 through March 2004
76 Station 7176
7850 Amador Valley Blvd.
Dublin, CA

Site Information:

Site:	76 Station 7850 Amador Valley Blvd. Dublin, CA
Project Coordinator/Phone Number:	Thomas Kosel/916-558-7666
Groundwater wells onsite:	5
Groundwater wells offsite:	0

Field Activity:

Sampling consultant:	TRC
Date(s) sampled:	02/04/04
Groundwater wells gauged:	5
Groundwater wells sampled:	5
Purging method:	diaphragm pump
Treatment/disposal method during sampling event:	Onyx/Rodeo Unit 100
Free product pumpouts other than sampling event:	No
Treatment/Disposal method during free product pumpouts:	N/A

Site Hydrogeology:

Minimum depth to groundwater (feet bgs):	14.41
Maximum depth to groundwater (feet bgs):	16.87
Average groundwater elevation (feet relative to mean sea level):	340.96
Average change in groundwater elevations since previous event (feet):	-0.11
Groundwater gradient and flow direction:	0.003 ft/ft, southeast

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

Wells with benzene concentrations below MCL:	5
Wells with benzene concentrations at or above MCL:	0
Minimum benzene concentration (µg/l):	ND
Maximum benzene concentration (µg/l):	ND
Minimum MTBE concentration (µg/l):	ND
Maximum MTBE concentration (µg/l):	9.6
Minimum TPPH concentration (µg/l):	ND
Maximum TPPH concentration (µg/l):	4400 (U-2)
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 for 76 Station 7176 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
February 4, 2004
76 Station 7176

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		**(Screen Interval in feet: 10.0-25.0)**												
02/04/04	356.41	15.55	0.00	340.86	-0.08	--	270	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
MW-5		**(Screen Interval in feet: 10.0-25.0)**												
02/04/04	355.03	14.41	0.00	340.62	-0.01	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.6	
U-1		**(Screen Interval in feet: 10.0-30.0)**												
02/04/04	355.59	14.66	0.00	340.93	-0.15	--	4000	ND<0.50	ND<0.50	13	ND<1.0	--	9.6	
U-2		**(Screen Interval in feet: 10.0-30.0)**												
02/04/04	356.55	15.36	0.00	341.19	-0.18	--	4400	ND<5.0	ND<5.0	7.0	ND<10	--	ND<20	
U-3		**(Screen Interval in feet: 10.0-30.0)**												
02/04/04	358.09	16.87	0.00	341.22	-0.13	--	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

July 1995 Through February 2004

76 Station 7176

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	**(Screen Interval in feet: 10.0-25.0)**													
04/23/98	356.41	12.11	0.00	344.30	--	2500	--	5.9	6.4	16	31	ND	--	
07/08/98	356.41	13.70	0.00	342.71	-1.59	1000	--	ND	ND	ND	ND	ND	--	
10/05/98	356.41	15.18	0.00	341.23	-1.48	890	--	ND	ND	ND	14	ND	--	
01/04/99	356.41	16.39	0.00	340.02	-1.21	230	--	0.56	1.3	1.4	1.8	10	--	
04/05/99	356.41	14.61	0.00	341.80	1.78	620	--	ND	1.8	2.1	ND	6	9.3	
07/01/99	356.41	15.43	0.00	340.98	-0.82	700	--	2.1	ND	1.9	2.4	ND	21	
09/30/99	356.41	16.27	0.00	340.14	-0.84	582	--	2.6	1.3	1.98	ND	23.1	22.5	
01/03/00	356.41	17.50	0.00	338.91	-1.23	800	--	4.2	4.6	3.3	11	31	17	
04/04/00	356.41	13.91	0.00	342.50	3.59	710	--	2	1.3	4.4	2	21	22	
07/14/00	356.41	15.58	0.00	340.83	-1.67	490	--	0.89	1.3	0.85	1.8	21	12	
10/27/00	356.41	16.96	0.00	339.45	-1.38	598	--	ND	1.56	4.65	ND	15.4	14	
01/08/01	356.41	16.64	0.00	339.77	0.32	522	--	4.09	1.69	2.53	1.26	17.2	14.3	
04/03/01	356.41	--	0.00	--	--	575	--	ND	ND	ND	ND	14.0	11.6	
07/06/01	356.41	--	0.00	--	--	720	--	4.7	1.5	2.5	0.74	10	7.1	
10/05/01	356.41	--	0.00	--	--	650	--	4.3	1.2	1.1	1.8	5.9	5.4	
01/03/02	356.41	--	0.00	--	--	340	--	2.9	1.4	1.7	ND<1.0	ND<10/	3.1	
04/01/02	356.41	--	0.00	--	--	340	--	ND<0.50	2.7	ND<0.50	0.66	ND<5.0	2.2	
07/01/02	356.41	15.53	0.00	340.88	--	--	280	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.58	
01/24/03	356.41	14.52	0.00	341.89	1.01	--	170	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
07/28/03	356.41	15.47	0.00	340.94	-0.95	--	380	ND<0.50	ND<0.50	ND<0.50	ND<1	ND<2	ND<2	
02/04/04	356.41	15.55	0.00	340.86	-0.08	--	270	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
MW-5	**(Screen Interval in feet: 10.0-25.0)**													
04/23/98	355.03	11.15	0.00	343.88	--	120	--	0.53	0.9	1	3.8	13	--	
07/08/98	355.03	12.63	0.00	342.40	-1.48	ND	--	ND	ND	ND	ND	12	--	
10/05/98	355.03	14.00	0.00	341.03	-1.37	ND	--	ND	ND	ND	ND	12	--	

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-5 continued														
01/04/99	355.03	15.21	0.00	339.82	-1.21	ND	--	ND	ND	ND	ND	ND	--	
04/05/99	355.03	13.76	0.00	341.27	1.45	ND	--	ND	ND	ND	ND	ND	ND	
07/01/99	355.03	14.48	0.00	340.55	-0.72	ND	--	ND	ND	ND	ND	ND	ND	
09/30/99	355.03	15.15	0.00	339.88	-0.67	50.8	--	ND	ND	ND	ND	ND	ND	
01/03/00	355.03	16.34	0.00	338.69	-1.19	ND	--	ND	ND	ND	ND	ND	ND	
04/04/00	355.03	12.90	0.00	342.13	3.44	ND	--	ND	ND	ND	ND	ND	ND	
07/14/00	355.03	14.48	0.00	340.55	-1.58	ND	--	ND	ND	ND	ND	ND	ND	
10/27/00	355.03	15.75	0.00	339.28	-1.27	ND	--	ND	ND	ND	ND	ND	ND	
01/08/01	355.03	15.25	0.00	339.78	0.50	ND	--	ND	ND	ND	ND	ND	ND	
04/03/01	355.03	--	0.00	--	--	ND	--	ND	ND	ND	ND	ND	ND	
07/06/01	355.03	--	0.00	--	--	ND	--	ND	ND	ND	ND	ND	ND	
10/05/01	355.03	--	0.00	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
01/03/02	355.03	--	0.00	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	1.6	
04/01/02	355.03	--	0.00	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	3.5	
07/01/02	355.03	14.51	0.00	340.52	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.3	
01/24/03	355.03	13.53	0.00	341.50	0.98	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	4.3	
07/28/03	355.03	14.40	0.00	340.63	-0.87	--	ND<50	ND<0.50	ND<0.50	ND0.50	ND<1	3.4	3.4	
02/04/04	355.03	14.41	0.00	340.62	-0.01	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.6	
U-1	**(Screen Interval in feet: 10.0-30.0)**													
10/12/95	355.62	15.38	0.00	340.24	--	33000	--	1400	ND	1400	3100	--	--	
01/11/96	355.62	16.33	0.00	339.29	-0.95	8300	--	690	11	680	1500	--	--	
04/11/96	355.62	12.20	0.00	343.42	4.13	3200	--	110	ND	180	290	790	--	
07/10/96	355.62	13.84	0.00	341.78	-1.64	2600	--	81	4.4	210	230	510	--	
10/30/96	355.62	15.85	0.00	339.77	-2.01	2200	--	67	19	140	150	360	--	
01/27/97	355.62	12.20	0.00	343.42	3.65	4600	--	98	ND	360	290	150	--	
04/08/97	355.62	13.46	0.00	342.16	-1.26	2800	--	50	ND	220	140	ND	--	
07/17/97	355.62	15.30	0.00	340.32	-1.84	2300	--	30	4.5	140	94	190	--	
10/17/97	355.62	16.33	0.00	339.29	-1.03	1500	--	31	6.7	110	88	220	--	
01/19/98	355.62	14.34	0.00	341.28	1.99	3100	--	46	3.4	310	200	170	--	

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
U-1 continued														
04/23/98	355.59	11.16	0.00	344.43	3.15	3400	--	72	3.8	470	350	280	--	
07/08/98	355.59	12.67	0.00	342.92	-1.51	4500	--	51	ND	590	430	190	--	
10/05/98	355.59	14.57	0.00	341.02	-1.90	7500	--	53	ND	680	350	190	180	
01/04/99	355.59	15.35	0.00	340.24	-0.78	10000	--	ND	ND	1200	540	--	ND	
04/05/99	355.59	13.64	0.00	341.95	1.71	4900	--	34	ND	350	150	150	55	
07/01/99	355.59	14.39	0.00	341.20	-0.75	10000	--	45	ND	850	420	260	110	
09/30/99	355.59	15.32	0.00	340.27	-0.93	7150	--	ND	ND	415	84.4	ND	195	
01/03/00	355.59	16.51	0.00	339.08	-1.19	5400	--	28	8.4	180	33	160	120	
04/04/00	355.59	12.89	0.00	342.70	3.62	4800	--	30	ND	210	93	170	160	
07/14/00	355.59	14.56	0.00	341.03	-1.67	6200	--	41	16	170	32	170	120	
10/27/00	355.59	15.96	0.00	339.63	-1.40	3830	--	16.8	ND	68.6	7.99	55.2	38	
01/08/01	355.59	15.72	0.00	339.87	0.24	2410	--	14.7	4.3	30.5	5.04	34.5	9.33	
04/03/01	355.59	--	0.00	--	--	3,330	--	15.8	5.96	74.8	7.06	ND	13.3	
07/06/01	355.59	--	0.00	--	--	4,300	--	23	6.4	57	6.8	58	36	
10/05/01	355.59	--	0.00	--	--	3,800	--	19	ND<5.0	19	ND<5.0	64	36	
01/03/02	355.59	--	0.00	--	--	4,500	--	25	ND<10	24	ND<10	ND<100	23	
04/01/02	355.59	--	0.00	--	--	5,300	--	36	6.7	48	12	93	59	
07/01/02	355.59	14.61	0.00	340.98	--	--	3,900	ND<0.50	ND<0.50	ND<0.50	3.9	--	23	
01/24/03	355.59	13.82	0.00	341.77	0.79	--	3,400	ND<2.5	ND<2.5	37	ND<5.0	--	21	
07/28/03	355.59	14.51	0.00	341.08	-0.69	--	7100	ND<2.5	ND<2.5	12	ND<5	13	13	
02/04/04	355.59	14.66	0.00	340.93	-0.15	--	4000	ND<0.50	ND<0.50	13	ND<1.0	--	9.6	
U-2	**(Screen Interval in feet: 10.0-30.0)**													
07/08/95	356.59	12.68	0.00	343.91	--	17000	--	430	ND	2200	590	--	--	
10/12/95	356.59	16.01	0.00	340.58	-3.33	24000	--	310	60	1900	190	--	--	
01/11/96	356.59	17.06	0.00	339.53	-1.05	10000	--	210	55	1400	240	--	--	
04/11/96	356.59	12.75	0.00	343.84	4.31	7700	--	130	27	1100	110	340	--	
07/10/96	356.59	14.42	0.00	342.17	-1.67	5600	--	59	15	610	42	250	--	
10/30/96	356.59	16.82	0.00	339.77	-2.40	7700	--	67	35	1000	54	260	--	
01/27/97	356.59	12.91	0.00	343.68	3.91	1600	--	14	ND	130	7	100	--	

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
U-2 continued														
04/08/97	356.59	14.07	0.00	342.52	-1.16	4300	--	35	ND	400	16	ND	--	
07/17/97	356.59	15.96	0.00	340.63	-1.89	6200	--	17	22	410	ND	130	--	
10/17/97	356.59	17.03	0.00	339.56	-1.07	7100	--	71	26	520	50	ND	--	
01/19/98	356.59	15.10	0.00	341.49	1.93	5300	--	46	11	350	16	110	--	
04/23/98	356.55	11.74	0.00	344.81	3.32	3200	--	23	11	210	38	160	--	
07/08/98	356.55	13.27	0.00	343.28	-1.53	1600	--	34	8.5	100	7.4	190	--	
10/05/98	356.55	14.90	0.00	341.65	-1.63	2900	--	37	8.4	110	7.3	78	--	
01/04/99	356.55	15.94	0.00	340.61	-1.04	2200	--	35	ND	17	ND	86	--	
04/05/99	356.55	14.19	0.00	342.36	1.75	4900	--	21	77	130	310	100	6.9	
07/01/99	356.55	14.98	0.00	341.57	-0.79	1500	--	7.6	ND	ND	ND	ND	35	
09/30/99	356.55	16.00	0.00	340.55	-1.02	256	--	1.85	ND	2.42	ND	26.3	29.8	
01/03/00	356.55	17.20	0.00	339.35	-1.20	3400	--	23	13	ND	44	46	14	
04/04/00	356.55	13.50	0.00	343.05	3.70	3600	--	34	17	56	ND	59	25	
07/14/00	356.55	15.23	0.00	341.32	-1.73	3100	--	16	13	15	10	100	19	
10/27/00	356.55	16.74	0.00	339.81	-1.51	4180	--	30.4	10.2	14.6	ND	55.5	15	
01/08/01	356.55	16.68	0.00	339.87	0.06	3300	--	33.5	7.32	3.49	ND	66.7	7.49	
04/03/01	356.55	--	0.00	--	--	4,290	--	32.4	9.91	20.1	ND	66.6	18.1	
07/06/01	356.55	--	0.00	--	--	4,700	--	35	11	12	5.3	62	19	
10/05/01	356.55	--	0.00	--	--	3,600	--	31	9.6	8.7	6.9	62	13	
01/03/02	356.55	--	0.00	--	--	4,600	--	34	11	15	5.8	62	7.5	
04/01/02	356.55	--	0.00	--	--	3,500	--	38	9.3	10	6.5	87	18	
07/01/02	356.55	15.24	0.00	341.31	--	--	4,500	ND<0.50	ND<0.50	5.0	1.7	--	ND<0.50	
01/24/03	356.55	14.31	0.00	342.24	0.93	--	2,300	1.1	1.5	6.9	2.4	--	5.9	
07/28/03	356.55	15.18	0.00	341.37	-0.87	--	5600	ND<2.5	ND<2.5	3.4	ND<5	ND<10	ND<10	
02/04/04	356.55	15.36	0.00	341.19	-0.18	--	4400	ND<5.0	ND<5.0	7.0	ND<10	--	ND<20	
U-3	**(Screen Interval in feet: 10.0-30.0)**													
07/08/95	358.13	14.58	0.00	343.55	--	1100	--	0.57	2.1	1.7	2.4	--	--	
10/12/95	358.13	17.60	0.00	340.53	-3.02	560	--	ND	0.87	0.7	1.1	--	--	
01/11/96	358.13	18.65	0.00	339.48	-1.05	230	--	0.62	0.91	0.97	1.9	--	--	

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
U-3 continued														
04/11/96	358.13	13.20	0.00	344.93	5.45	68	--	ND	ND	ND	ND	ND	--	
07/10/96	358.13	15.98	0.00	342.15	-2.78	ND	--	ND	ND	ND	ND	ND	--	
10/30/96	358.13	18.24	0.00	339.89	-2.26	70	--	ND	ND	ND	ND	ND	--	
01/27/97	358.13	14.41	0.00	343.72	3.83	ND	--	ND	ND	ND	ND	ND	--	
04/08/97	358.13	15.73	0.00	342.40	-1.32	ND	--	ND	ND	ND	ND	ND	--	
07/17/97	358.13	17.54	0.00	340.59	-1.81	ND	--	ND	ND	ND	ND	ND	--	
10/17/97	358.13	18.64	0.00	339.49	-1.10	ND	--	ND	ND	ND	ND	ND	--	
01/19/98	358.13	16.67	0.00	341.46	1.97	ND	--	ND	ND	ND	ND	ND	--	
04/23/98	358.09	13.28	0.00	344.81	3.35	ND	--	ND	ND	ND	ND	ND	--	
07/08/98	358.09	14.90	0.00	343.19	-1.62	ND	--	ND	ND	ND	ND	ND	--	
10/05/98	358.09	16.50	0.00	341.59	-1.60	ND	--	ND	ND	ND	ND	ND	--	
01/04/99	358.09	17.70	0.00	340.39	-1.20	ND	--	ND	ND	ND	ND	ND	--	
04/05/99	358.09	15.67	0.00	342.42	2.03	ND	--	ND	ND	ND	ND	ND	ND	
07/01/99	358.09	16.79	0.00	341.30	-1.12	ND	--	ND	ND	ND	ND	ND	ND	
09/30/99	358.09	17.60	0.00	340.49	-0.81	ND	--	ND	ND	ND	ND	ND	ND	
01/03/00	358.09	18.86	0.00	339.23	-1.26	ND	--	ND	ND	ND	ND	ND	ND	
04/04/00	358.09	15.10	0.00	342.99	3.76	ND	--	ND	ND	ND	ND	ND	ND	
07/14/00	358.09	16.85	0.00	341.24	-1.75	ND	--	ND	ND	ND	ND	ND	ND	
10/27/00	358.09	18.35	0.00	339.74	-1.50	ND	--	ND	ND	ND	ND	ND	ND	
01/08/01	358.09	18.31	0.00	339.78	0.04	ND	--	ND	ND	ND	ND	ND	ND	
04/03/01	358.09	--	0.00	--	--	ND	--	ND	ND	ND	ND	ND	ND	
07/06/01	358.09	--	0.00	--	--	ND	--	ND	ND	ND	ND	ND	ND	
10/05/01	358.09	--	0.00	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
01/03/02	358.09	--	0.00	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<1.0	
04/01/02	358.09	--	0.00	--	--	ND<50	--	ND<0.50	1.1	ND<0.50	1.2	ND<5.0	ND<2.0	
07/01/02	358.09	16.77	0.00	341.32	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	ND<2.018	
01/24/03	358.09	15.75	0.00	342.34	1.02	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	ND<2.019	
07/28/03	358.09	16.74	0.00	341.35	-0.99	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	ND<2	ND<2	
02/04/04	358.09	16.87	0.00	341.22	-0.13	--	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 7176

Date Sampled	TPH-D	EDC	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)	(µg/l)	(µg/l)
MW-4									
07/08/98	1400	--	--	--	--	--	--	--	--
01/04/99	71	--	--	--	--	--	--	--	--
04/05/99	340	--	ND	ND	ND	ND	ND	ND	ND
07/01/99	260	--	ND	ND	ND	ND	ND	ND	ND
09/30/99	420	--	ND	ND	ND	ND	ND	ND	ND
01/03/00	250	--	ND	ND	ND	ND	ND	ND	ND
04/04/00	460	--	ND	ND	ND	ND	ND	ND	ND
07/14/00	220	--	ND	ND	ND	ND	ND	ND	ND
10/27/00	160	--	ND	ND	ND	ND	ND	ND	ND
01/08/01	--	--	ND	ND	ND	ND	ND	ND	ND
04/03/01	180	--	ND	ND	ND	ND	ND	ND	ND
07/06/01	230	--	ND	ND	ND	ND	ND	ND	ND
10/05/01	180	--	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<1,000	ND<2.0
01/03/02	390	--	ND<1.0	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<500	ND<1.0
04/01/02	160	--	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	ND<2.0
07/01/02	130	--	ND<0.50	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<25	ND<0.50
01/24/03	52	--	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	ND<2.0
07/28/03	110	--	ND<2	ND<2	ND<100	ND<2	ND<2	ND<500	ND<2
02/04/04	94	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--
MW-5									
07/08/98	170	--	--	--	--	--	--	--	--
01/04/99	ND	--	--	--	--	--	--	--	--
04/05/99	ND	--	ND	ND	ND	ND	ND	ND	ND
07/01/99	ND	--	ND	ND	ND	ND	ND	ND	ND
09/30/99	60.4	--	ND	ND	ND	ND	ND	ND	ND
01/03/00	ND	--	ND	ND	ND	ND	ND	ND	ND

Date Sampled	TPH-D	EDC	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)	(µg/l)	(µg/l)
MW-5 continued									
04/04/00	69	--	ND	ND	ND	ND	ND	ND	ND
07/14/00	ND	--	ND	ND	ND	ND	ND	ND	ND
10/27/00	ND	--	ND	ND	ND	ND	ND	ND	ND
01/08/01	--	--	ND	ND	ND	ND	ND	ND	ND
04/03/01	ND	--	ND	ND	ND	ND	ND	ND	ND
07/06/01	ND	--	ND	ND	ND	ND	ND	ND	ND
10/05/01	ND<50	--	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<1,000	ND<2.0
01/03/02	ND<51	--	ND<1.0	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<500	ND<1.0
04/01/02	ND<50	--	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	ND<2.0
07/01/02	ND<60	--	ND<0.50	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<25	ND<0.50
01/24/03	ND<50	--	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	ND<2.0
07/28/03	ND<50	--	ND<2	ND<2	ND<100	ND<2	ND<2	ND<500	ND<2
02/04/04	ND<50	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--
U-1									
10/12/95	4200	--	--	--	--	--	--	--	--
01/11/96	8200	--	--	--	--	--	--	--	--
04/11/96	5630	--	--	--	--	--	--	--	--
07/10/96	2200	--	--	--	--	--	--	--	--
10/30/96	560	--	--	--	--	--	--	--	--
01/27/97	2300	--	--	--	--	--	--	--	--
04/08/97	1300	--	--	--	--	--	--	--	--
07/17/97	460	--	--	--	--	--	--	--	--
10/17/97	510	--	--	--	--	--	--	--	--
01/19/98	1900	--	--	--	--	--	--	--	--
07/08/98	2000	--	--	--	--	--	--	--	--
01/04/99	2700	--	--	--	--	--	--	--	--
04/05/99	920	--	ND	ND	ND	ND	ND	ND	ND
07/01/99	2700	--	ND	ND	ND	ND	ND	ND	ND
09/30/99	2360	--	ND	ND	ND	ND	ND	ND	ND

Date Sampled	TPH-D	EDC	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)	(µg/l)	(µg/l)
U-1 continued									
01/03/00	2000	--	ND	ND	ND	ND	ND	ND	ND
04/04/00	990	--	ND	ND	ND	ND	ND	ND	ND
07/14/00	2800	--	ND	ND	ND	ND	ND	ND	ND
10/27/00	1400	--	ND	ND	ND	ND	ND	ND	ND
01/08/01	--	--	ND	ND	ND	ND	ND	ND	ND
04/03/01	1,500	--	ND	ND	ND	ND	ND	ND	ND
07/06/01	1,600	--	ND	ND	ND	ND	ND	ND	ND
10/05/01	2,500	--	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<1,000	ND<2.0
01/03/02	2,200	--	ND<5.0	ND<5.0	ND<100	ND<5.0	ND<5.0	ND<2,500	ND<5.0
04/01/02	1,800	--	ND<10	ND<10	ND<500	ND<10	ND<10	ND<2,500	ND<10
07/01/02	2,100	--	ND<0.50	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<25	ND<0.50
01/24/03	2,100	--	ND<10	ND<10	ND<500	ND<10	ND<10	ND<2,500	ND<10
07/28/03	2100	--	ND<10	ND<10	ND<500	ND<10	ND<10	ND<2500	ND<10
02/04/04	1300	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--
U-2									
07/08/95	4700	--	--	--	--	--	--	--	--
10/12/95	3600	--	--	--	--	--	--	--	--
01/11/96	8600	--	--	--	--	--	--	--	--
04/11/96	1900	--	--	--	--	--	--	--	--
07/10/96	2300	--	--	--	--	--	--	--	--
10/30/96	1800	--	--	--	--	--	--	--	--
01/27/97	660	--	--	--	--	--	--	--	--
04/08/97	2000	--	--	--	--	--	--	--	--
07/17/97	1300	--	--	--	--	--	--	--	--
10/17/97	1400	--	--	--	--	--	--	--	--
01/19/98	2100	--	--	--	--	--	--	--	--
07/08/98	1100	--	--	--	--	--	--	--	--
01/04/99	670	--	--	--	--	--	--	--	--
04/05/99	660	--	ND	ND	ND	ND	ND	ND	ND

Date Sampled	TPH-D	EDC	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)	(µg/l)	(µg/l)
U-2 continued									
07/01/99	210	--	ND	ND	ND	ND	ND	ND	ND
09/30/99	483	--	ND	ND	ND	ND	ND	ND	ND
01/03/00	2400	--	ND	ND	ND	ND	ND	ND	ND
04/04/00	1000	--	ND	ND	ND	ND	ND	ND	ND
07/14/00	1000	--	ND	ND	ND	ND	ND	ND	ND
10/27/00	2000	--	ND	ND	ND	ND	ND	ND	ND
01/08/01	--	--	ND	ND	ND	ND	ND	ND	ND
04/03/01	1,500	--	ND	ND	ND	ND	ND	ND	ND
07/06/01	1,400	--	ND	ND	ND	ND	ND	ND	ND
10/05/01	3,200	--	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<1,000	ND<2.0
01/03/02	2,300	--	ND<5.0	ND<5.0	ND<100	ND<5.0	ND<5.0	ND<2,500	ND<5.0
04/01/02	1,400	--	ND<4.0	ND<4.0	ND<200	ND<4.0	ND<4.0	ND<1,000	ND<4.0
07/01/02	ND<50	--	ND<0.50	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<25	ND<0.50
01/24/03	860	--	ND<4.0	ND<4.0	ND<200	ND<4.0	ND<4.0	ND<1,000	ND<4.0
07/28/03	1300	--	ND<10	ND<10	ND<500	ND<10	ND<10	ND<2500	ND<10
02/04/04	1300	ND<20	ND<20	ND<20	ND<1000	ND<20	ND<20	ND<5000	--
U-3									
07/08/95	710	--	--	--	--	--	--	--	--
10/12/95	470	--	--	--	--	--	--	--	--
01/11/96	260	--	--	--	--	--	--	--	--
04/11/96	ND	--	--	--	--	--	--	--	--
07/10/96	ND	--	--	--	--	--	--	--	--
10/30/96	ND	--	--	--	--	--	--	--	--
01/27/97	ND	--	--	--	--	--	--	--	--
04/08/97	ND	--	--	--	--	--	--	--	--
07/17/97	ND	--	--	--	--	--	--	--	--
10/17/97	63	--	--	--	--	--	--	--	--
01/19/98	68	--	--	--	--	--	--	--	--
07/08/98	80	--	--	--	--	--	--	--	--

Date Sampled	TPH-D	EDC	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)	(µg/l)	(µg/l)
U-3 continued									
01/04/99	ND	--	--	--	--	--	--	--	--
04/05/99	ND	--	ND	ND	ND	ND	ND	ND	ND
07/01/99	ND	--	ND	ND	ND	ND	ND	ND	ND
09/30/99	ND	--	ND	ND	ND	ND	ND	ND	ND
01/03/00	ND	--	ND	ND	ND	ND	ND	ND	ND
04/04/00	ND	--	ND	ND	ND	ND	ND	ND	ND
07/14/00	ND	--	ND	ND	ND	ND	ND	ND	ND
10/27/00	ND	--	ND	ND	ND	ND	ND	ND	ND
01/08/01	--	--	ND	ND	ND	ND	ND	ND	ND
04/03/01	ND	--	ND	ND	ND	ND	ND	ND	ND
07/06/01	ND	--	ND	ND	ND	ND	ND	ND	ND
10/05/01	ND<50	--	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<1,000	ND<2.0
01/03/02	ND<52	--	ND<1.0	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<500	ND<1.0
04/01/02	ND<50	--	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	ND<2.0
07/01/02	1,500	--	ND<0.50	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<25	ND<0.50
01/24/03	ND<50	--	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	ND<2.0
07/28/03	ND<50	--	ND<2	ND<2	ND<100	ND<2	ND<2	ND<500	ND<2
02/04/04	90	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--

FIGURES

SOURCE:

United States Geological Survey
7.5 Minute Topographic Map:
Dublin Quadrangle

VICINITY MAP

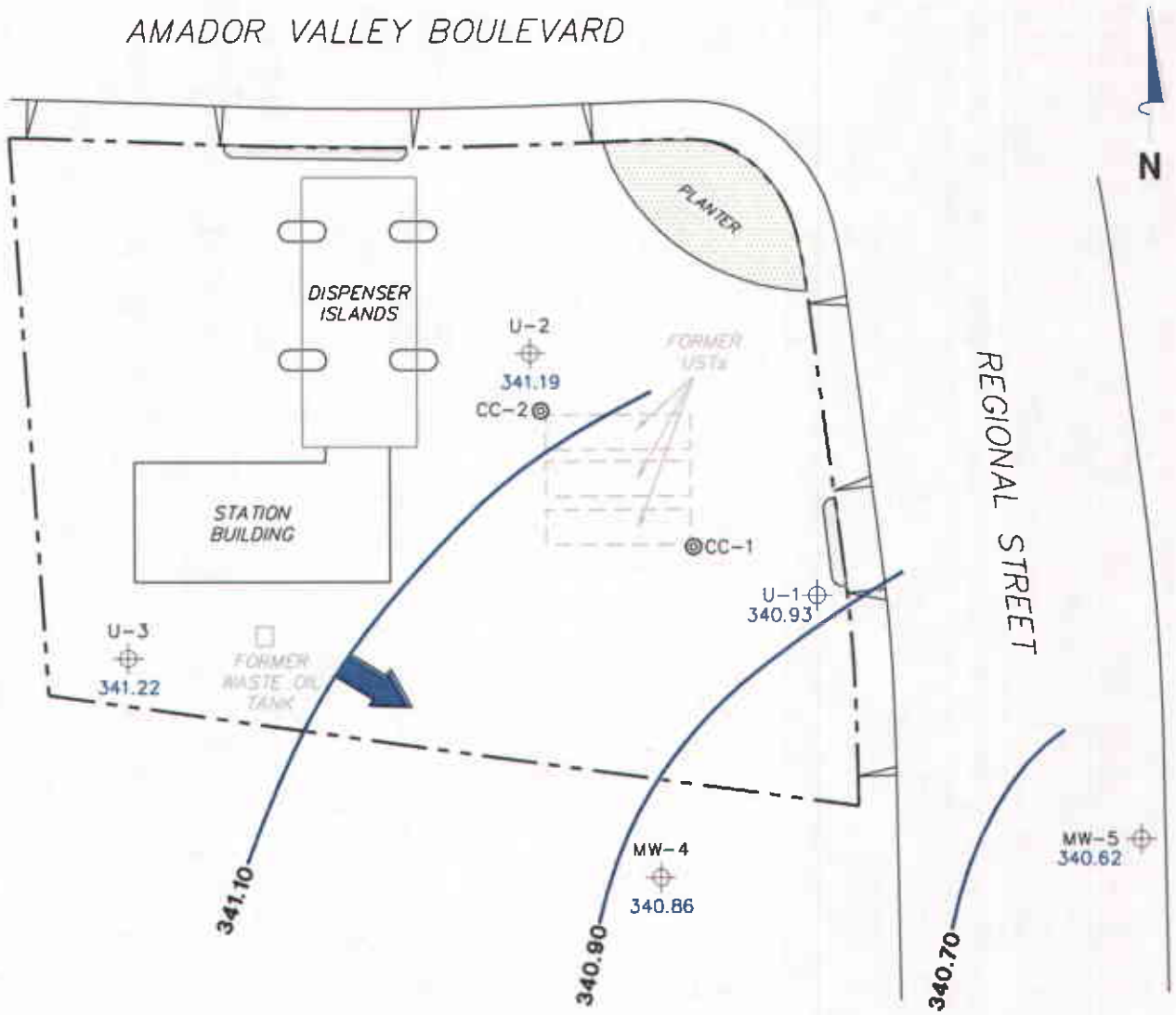
76 Station 7176
7850 Amador Valley Boulevard
Dublin, California

TRC

FIGURE 1

PS = 1:1

Graphics on Irvine-fs1(L:)\VICINITY MAPS\7176vm.dwg 2/26/04 jw



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.

LEGEND

MW-5 ⊕ Monitoring Well with Groundwater Elevation (feet)

CC-2 ◎ Conductor Casing

341.10 —— Groundwater Elevation Contour

➡ General Direction of Groundwater Flow

GROUNDWATER ELEVATION CONTOUR MAP
February 4, 2004

76 Station 7176
7850 Amador Valley Boulevard
Dublin, California

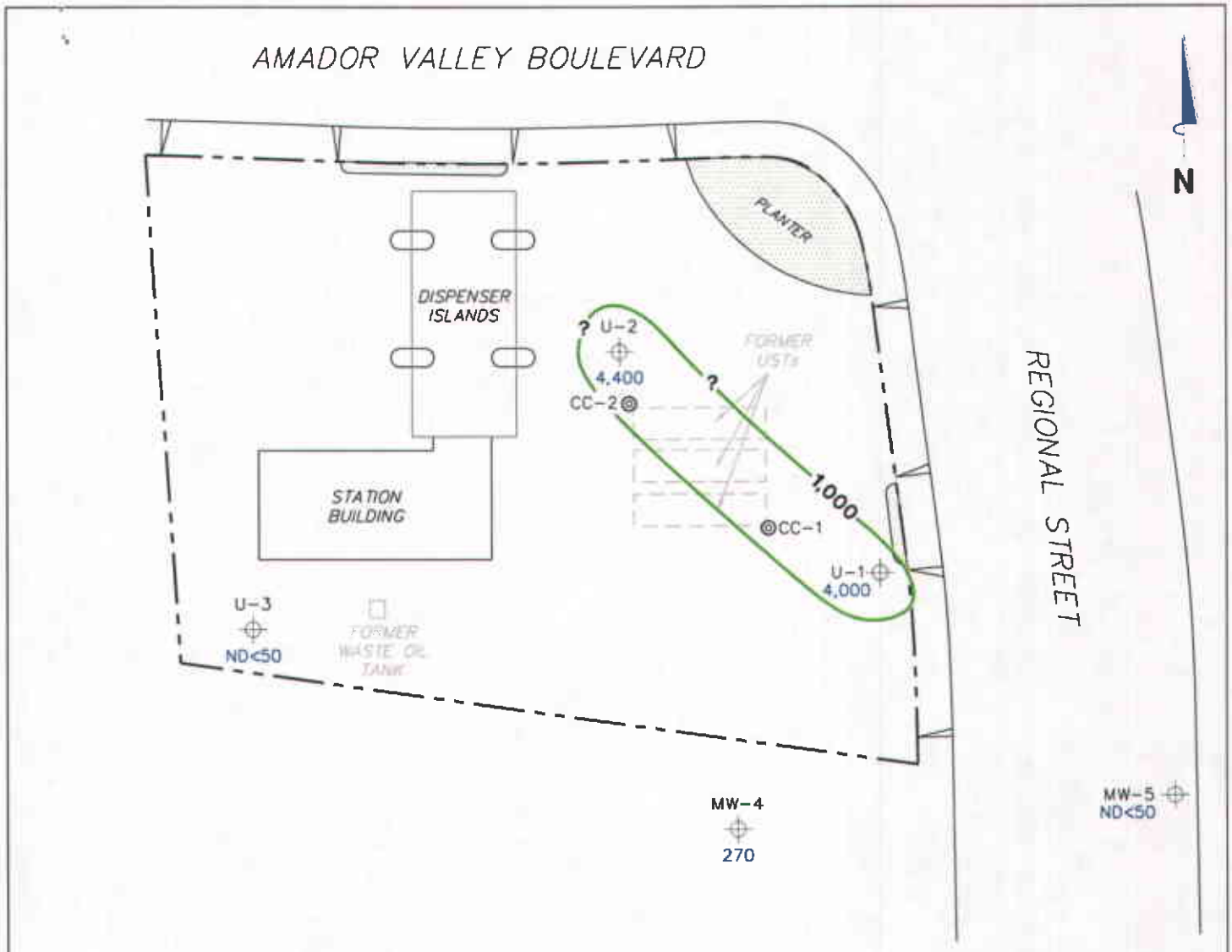
TRC

SCALE (FEET)
0 40

FIGURE 2

PS=1:1

Graphics on Irine-fs1(L:)\GRAPHICS\Projects By...\20-xxxx\20-0400\x-7000\7176+\7176-QMS.dwg 4/6/04 bbs



NOTES:

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

LEGEND

MW-5 ⊕ Monitoring Well with Dissolved-Phase TPPH Concentration (µg/l)

CC-2 ◎ Conductor Casing

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

DISSOLVED-PHASE TPPH CONCENTRATION MAP
February 4, 2004

76 Station 7176
7850 Amador Valley Boulevard
Dublin, California

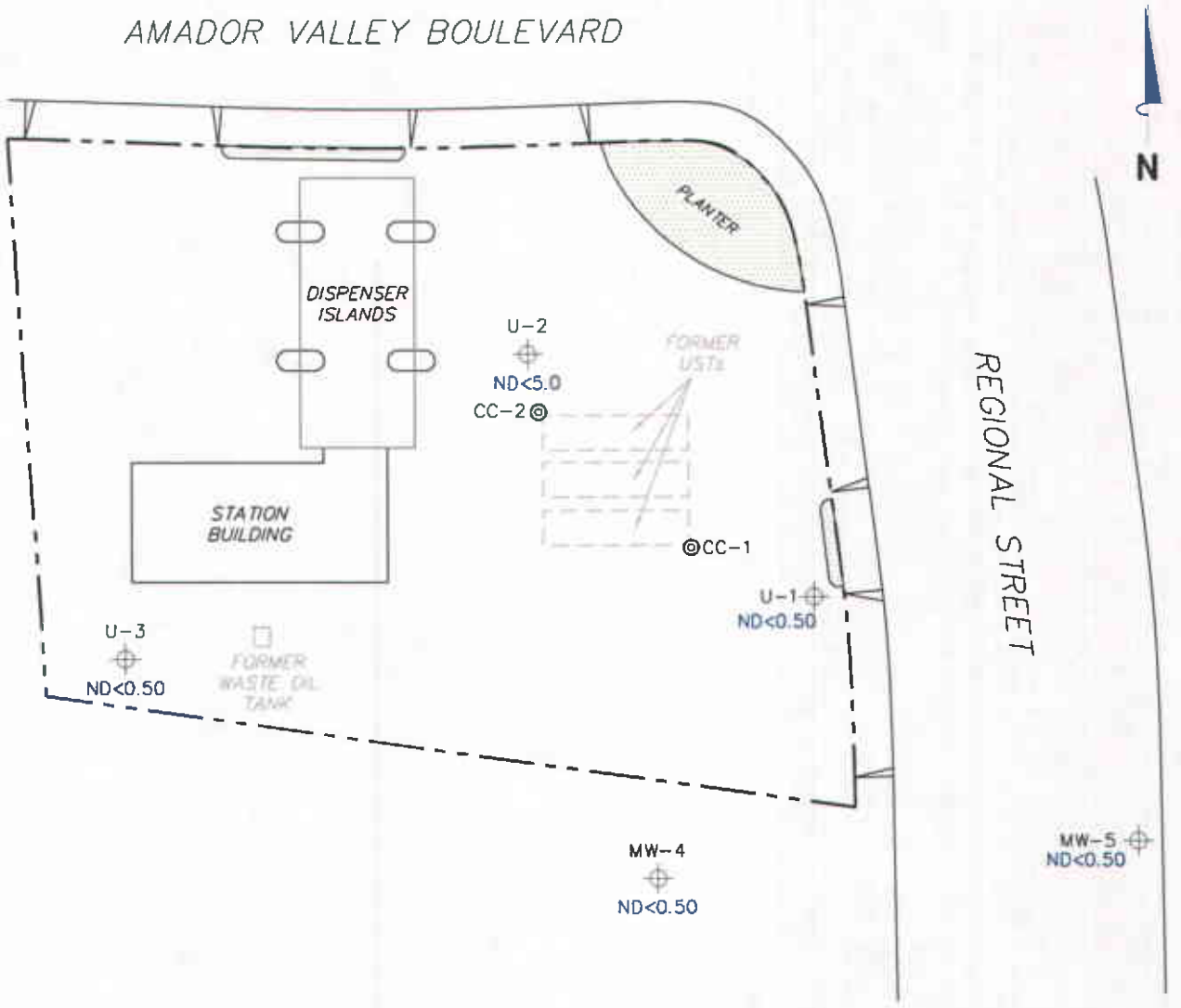
TRC

SCALE (FEET)
0 40

FIGURE 3

PS=1:1

Graphics on Irine-fs1(L:)\GRAPHICS\Projects By...\20-xxxx\20-0400\x-7000\7176+\7176-QMS.dwg 4/6/04 bbs



NOTES:

µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report.
UST = underground storage tank. Results obtained using EPA Method 8260B.

LEGEND

MW-5 ⊕ Monitoring Well with Dissolved-Phase Benzene Concentration (µg/l)

CC-2 ◎ Conductor Casing

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
February 4, 2004

76 Station 7176
7850 Amador Valley Boulevard
Dublin, California

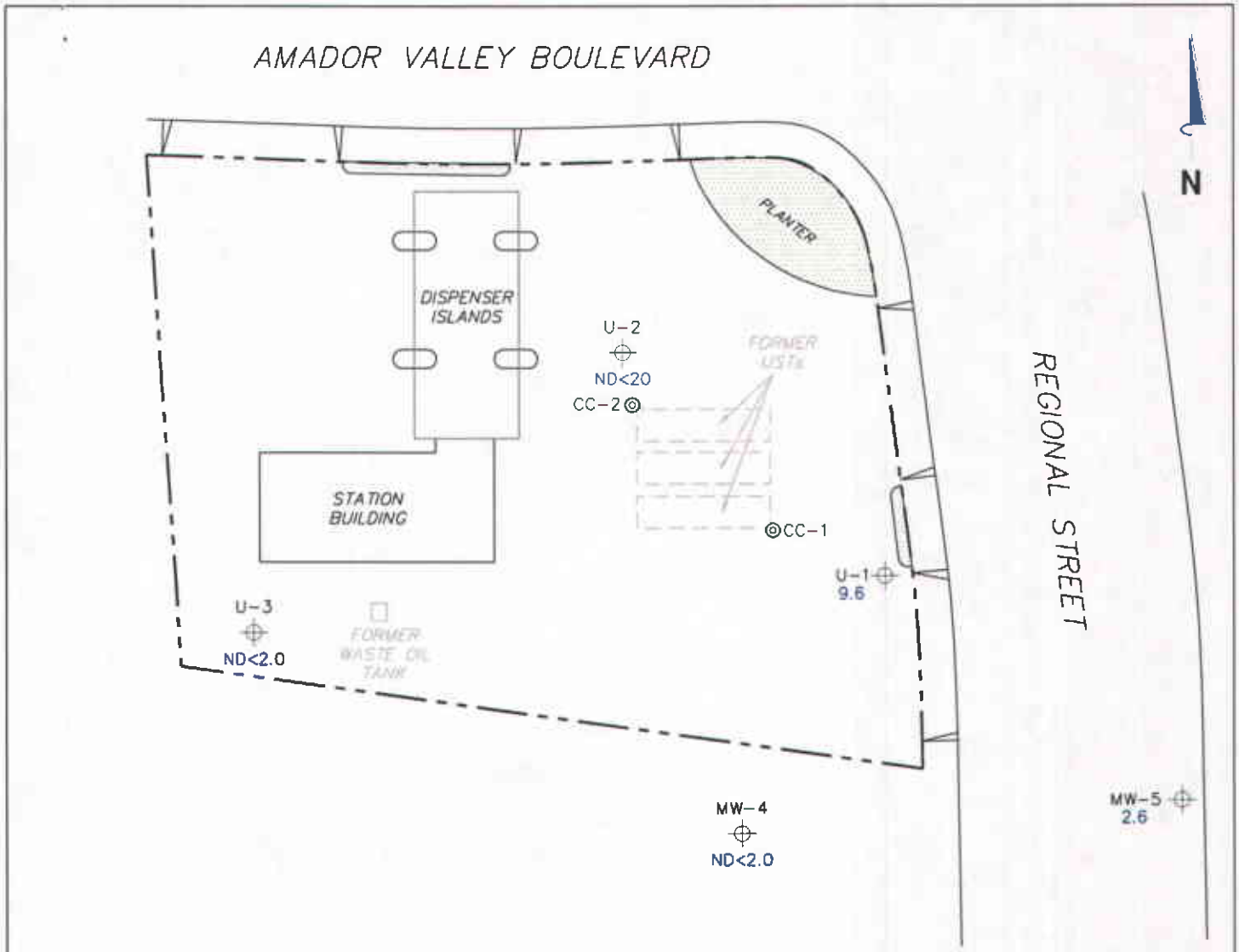
TRC

SCALE (FEET)
0 40

PS=1:1

FIGURE 4

Graphics on Irine-fs1(L:)\GRAPHICS\Projects By...\20-xxxx\20-0400\x-7000\7176+\7176-OMS.dwg 4/6/04 bbs



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.

LEGEND

MW-5 ⊕ Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)

CC-2 ◎ Conductor Casing

DISSOLVED-PHASE MTBE CONCENTRATION MAP
February 4, 2004

76 Station 7176
7850 Amador Valley Boulevard
Dublin, California

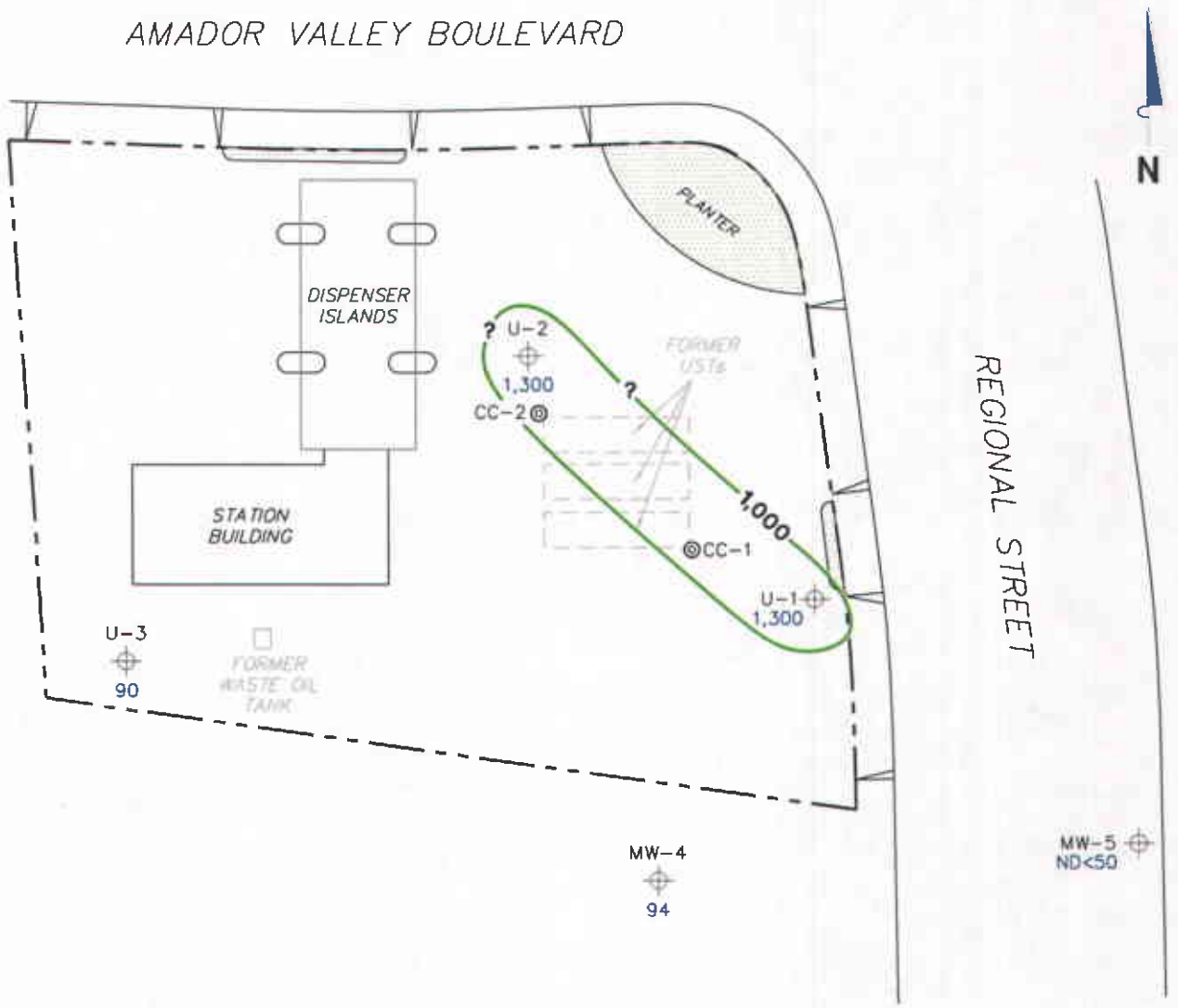
TRC

SCALE (FEET)
0 40

FIGURE 5

PS=1:1

Graphics on Irine-fs1(L:)\GRAPHICS\Projects By...\20-xxxx\20-0400\x-7000\7176+\7176-QMS.dwg 4/6/04 bbs



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. TPH-D = total petroleum hydrocarbons as diesel. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. Results obtained using EPA Method 8015M.

LEGEND

MW-5 ⊕ Monitoring Well with Dissolved-Phase TPH-D Concentration (µg/l)

CC-2 ◎ Conductor Casing

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

DISSOLVED-PHASE TPH-D CONCENTRATION MAP
February 4, 2004

76 Station 7176
7850 Amador Valley Boulevard
Dublin, California

TRC

SCALE (FEET)
0 40

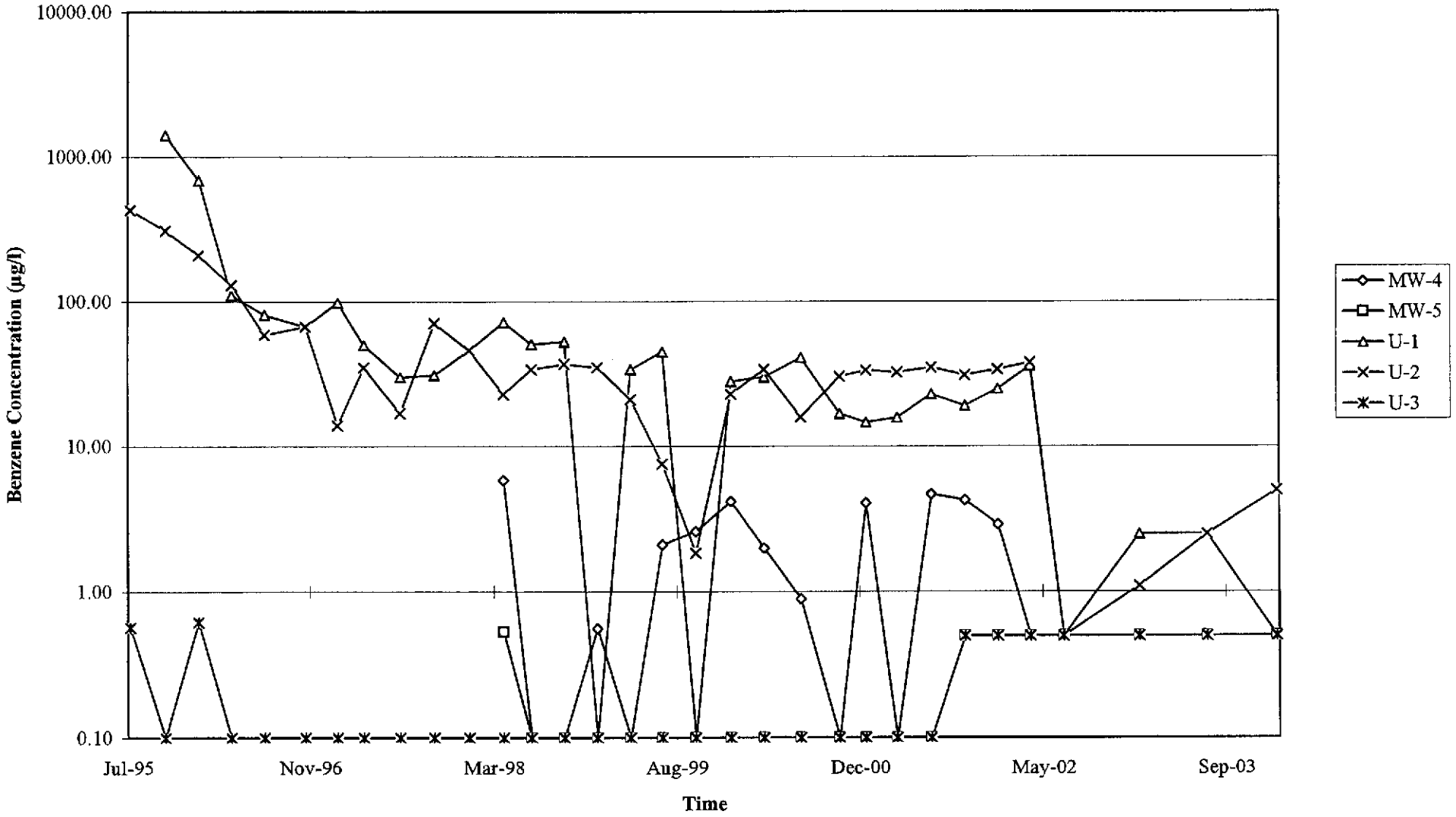
FIGURE 6

PS=1:1

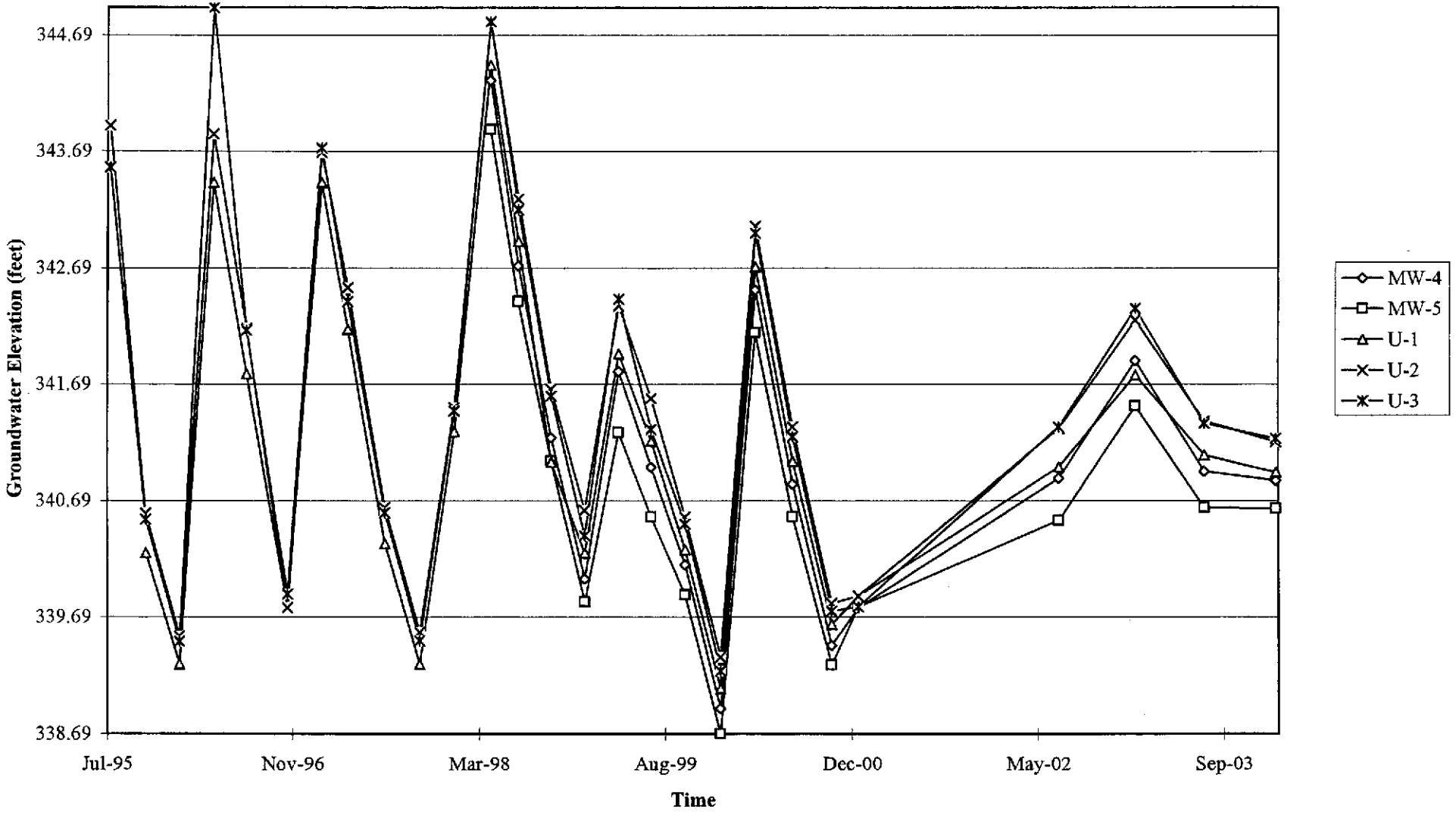
Graphics on Irine-fs1(L:)\GRAPHICS\Projects By...\20-xxxx\20-0400\x-7000\7176+\7176-QMS.dwg 4/6/04 bbs

GRAPHS

Graph 1
Benzene Concentrations vs. Time
76 Station 7176



Graph 2
Hydrograph
76 Station 7176



GENERAL FIELD PROCEDURES

Groundwater Monitoring and Sampling Assignments

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

Fluid Level Measurements

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

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

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

Purging and Groundwater Parameter Measurement

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

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

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

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

Groundwater Sample Collection

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

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

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

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

Sequence of Gauging, Purging, and Sampling

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

Decontamination

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

Exceptions

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

FIELD MONITORING DATA SHEET

Technician: ALEX Job #/Task #: 410900 01 Date: 2-4-04

Site # 7176 Project Manager KATHIE PECKA Page 1 of 1

Well #	Grade	TOC	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
D-3		✓	28.28	16.87	0	0	1452	2"
MW-5		✓	24.45	14.41	0	0	1425	2"
mw-4		✓	25.10	15.55	0	0	1720	2"
U-2		✓	26.33	15.36	0	0	1751	2"
U-1		✓	27.19	14.66	0	0	1826	2"

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

WTT CERTIFICATE MANIFEST DRUM INVENTORY TRAFFIC CONTROL

GROUNDWATER SAMPLING FIELD NOTES

Technician: ALEX

Site: 7176 Project No.: 41050001 Date: 2-4-04

Well No.: MW-3 Purge Method: DIA

Depth to Water (feet): 16.87 Depth to Product (feet): 0

Total Depth (feet): 28.28 LPH & Water Recovered (gallons): 0

Water Column (feet): 11.41 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 19.15 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.
1631			2	527	18.9	6.38		
			4	530	19.5	6.38		
	1636		6	522	20.1	6.37		

Static at Time Sampled	Total Gallons Purged	Time Sampled
1691	6	1652

Comments:

Well No.: MW-5 Purge Method: DIA

Depth to Water (feet): 14.41 Depth to Product (feet): 0

Total Depth (feet): 24.45 LPH & Water Recovered (gallons): 0

Water Column (feet): 10.04 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 16.41 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.
1600			2	588	19.0	6.10		
			4	585	19.9	6.09		
	1605		6	573	20.3	6.17		

Static at Time Sampled	Total Gallons Purged	Time Sampled
1445	6	1625

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: ALEX

Site: 7176 Project No.: 410500 01 Date: 2-4-04

Well No.: D-1 Purge Method: DIA

Depth to Water (feet): 14.66 Depth to Product (feet): 0

Total Depth (feet): 27.19 LPH & Water Recovered (gallons): 0

Water Column (feet): 12.53 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 17.16 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
1800			2	494	16.8	6.79		
			4	456	19.2	6.60		
	1805		6	454	20.0	6.39		

Static at Time Sampled	Total Gallons Purged	Time Sampled
14.66	6	1826

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)	Conduc-tivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.

Static at Time Sampled	Total Gallons Purged	Time Sampled

Comments:

SEVERN TRENT STL

Submission#: 2004-02-0247

TRC Alton Geoscience

February 19, 2004

21 Technology Drive
Irvine, CA 92718

Attn.: Anju Farfan

Project#: 41050001FA20
Project: Conoco Phillips #7176
Site: 7850 Amador Valley Blvd., Dublin

Attached is our report for your samples received on 02/05/2004 17:43
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 03/21/2004 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 #: 2004-02-0247

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #7176

Received: 02/05/2004 17:43

Site: 7850 Amador Valley Blvd., Dublin

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
U-3	02/04/2004 16:52	Water	1
MW-5	02/04/2004 16:25	Water	2
MW-4	02/04/2004 17:20	Water	3
U-2	02/04/2004 17:51	Water	4
U-1	02/04/2004 18:26	Water	5

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #7176

Received: 02/05/2004 17:43

Site: 7850 Amador Valley Blvd., Dublin

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**U-3**	Lab ID:	2004-02-0247 - 1
Sampled:	02/04/2004 16:52	Extracted:	2/13/2004 01:56
Matrix:	Water	QC Batch#:	2004/02/12-2A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	02/13/2004 01:56	
Benzene	ND	0.50	ug/L	1.00	02/13/2004 01:56	
Toluene	ND	0.50	ug/L	1.00	02/13/2004 01:56	
Ethylbenzene	ND	0.50	ug/L	1.00	02/13/2004 01:56	
Total xylenes	ND	1.0	ug/L	1.00	02/13/2004 01:56	
tert-Butyl alcohol (TBA)	ND	100	ug/L	1.00	02/13/2004 01:56	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	02/13/2004 01:56	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	02/13/2004 01:56	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	02/13/2004 01:56	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	02/13/2004 01:56	
1,2-DCA	ND	2.0	ug/L	1.00	02/13/2004 01:56	
EDB	ND	2.0	ug/L	1.00	02/13/2004 01:56	
Ethanol	ND	500	ug/L	1.00	02/13/2004 01:56	
Surrogate(s)						
Toluene-d8	102.7	88-110	%	1.00	02/13/2004 01:56	
1,2-Dichloroethane-d4	104.0	76-114	%	1.00	02/13/2004 01:56	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #7176

Received: 02/05/2004 17:43

Site: 7850 Amador Valley Blvd., Dublin

Prep(s): 5030B
Sample ID: **MW-5**
Sampled: 02/04/2004 16:25
Matrix: Water

Test(s): 8260FAB
Lab ID: 2004-02-0247 - 2
Extracted: 2/13/2004 20:58
QC Batch#: 2004/02/13-2B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	02/13/2004 20:58	
Benzene	ND	0.50	ug/L	1.00	02/13/2004 20:58	
Toluene	ND	0.50	ug/L	1.00	02/13/2004 20:58	
Ethylbenzene	ND	0.50	ug/L	1.00	02/13/2004 20:58	
Total xylenes	ND	1.0	ug/L	1.00	02/13/2004 20:58	
tert-Butyl alcohol (TBA)	ND	100	ug/L	1.00	02/13/2004 20:58	
Methyl tert-butyl ether (MTBE)	2.6	2.0	ug/L	1.00	02/13/2004 20:58	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	02/13/2004 20:58	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	02/13/2004 20:58	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	02/13/2004 20:58	
1,2-DCA	ND	2.0	ug/L	1.00	02/13/2004 20:58	
EDB	ND	2.0	ug/L	1.00	02/13/2004 20:58	
Ethanol	ND	500	ug/L	1.00	02/13/2004 20:58	
Surrogate(s)						
Toluene-d8	100.2	88-110	%	1.00	02/13/2004 20:58	
1,2-Dichloroethane-d4	93.7	76-114	%	1.00	02/13/2004 20:58	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #7176

Received: 02/05/2004 17:43

Site: 7850 Amador Valley Blvd., Dublin

Prep(s): 5030B
Sample ID: **MW-4**
Sampled: 02/04/2004 17:20
Matrix: Water

Test(s): 8260FAB
Lab ID: 2004-02-0247 - 3
Extracted: 2/13/2004 02:40
QC Batch#: 2004/02/12-2A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	270	50	ug/L	1.00	02/13/2004 02:40	
Benzene	ND	0.50	ug/L	1.00	02/13/2004 02:40	
Toluene	ND	0.50	ug/L	1.00	02/13/2004 02:40	
Ethylbenzene	ND	0.50	ug/L	1.00	02/13/2004 02:40	
Total xylenes	ND	1.0	ug/L	1.00	02/13/2004 02:40	
tert-Butyl alcohol (TBA)	ND	100	ug/L	1.00	02/13/2004 02:40	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	02/13/2004 02:40	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	02/13/2004 02:40	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	02/13/2004 02:40	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	02/13/2004 02:40	
1,2-DCA	ND	2.0	ug/L	1.00	02/13/2004 02:40	
EDB	ND	2.0	ug/L	1.00	02/13/2004 02:40	
Ethanol	ND	500	ug/L	1.00	02/13/2004 02:40	
Surrogate(s)						
Toluene-d8	99.5	88-110	%	1.00	02/13/2004 02:40	
1,2-Dichloroethane-d4	108.0	76-114	%	1.00	02/13/2004 02:40	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #7176

Received: 02/05/2004 17:43

Site: 7850 Amador Valley Blvd., Dublin

Prep(s): 5030B
Sample ID: **U-2**
Sampled: 02/04/2004 17:51
Matrix: Water

Test(s): 8260FAB
Lab ID: 2004-02-0247 - 4
Extracted: 2/13/2004 03:02
QC Batch#: 2004/02/12-2A.62

Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	4400	500	ug/L	10.00	02/13/2004 03:02	
Benzene	ND	5.0	ug/L	10.00	02/13/2004 03:02	
Toluene	ND	5.0	ug/L	10.00	02/13/2004 03:02	
Ethylbenzene	7.0	5.0	ug/L	10.00	02/13/2004 03:02	
Total xylenes	ND	10	ug/L	10.00	02/13/2004 03:02	
tert-Butyl alcohol (TBA)	ND	1000	ug/L	10.00	02/13/2004 03:02	
Methyl tert-butyl ether (MTBE)	ND	20	ug/L	10.00	02/13/2004 03:02	
Di-isopropyl Ether (DIPE)	ND	20	ug/L	10.00	02/13/2004 03:02	
Ethyl tert-butyl ether (ETBE)	ND	20	ug/L	10.00	02/13/2004 03:02	
tert-Amyl methyl ether (TAME)	ND	20	ug/L	10.00	02/13/2004 03:02	
1,2-DCA	ND	20	ug/L	10.00	02/13/2004 03:02	
EDB	ND	20	ug/L	10.00	02/13/2004 03:02	
Ethanol	ND	5000	ug/L	10.00	02/13/2004 03:02	
Surrogate(s)						
Toluene-d8	91.2	88-110	%	1.00	02/13/2004 03:02	
1,2-Dichloroethane-d4	105.6	76-114	%	1.00	02/13/2004 03:02	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #7176

Received: 02/05/2004 17:43

Site: 7850 Amador Valley Blvd., Dublin

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**U-1**	Lab ID:	2004-02-0247 - 5
Sampled:	02/04/2004 18:26	Extracted:	2/13/2004 03:24
Matrix:	Water	QC Batch#:	2004/02/12-2A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	4000	50	ug/L	1.00	02/13/2004 03:24	
Benzene	ND	0.50	ug/L	1.00	02/13/2004 03:24	
Toluene	ND	0.50	ug/L	1.00	02/13/2004 03:24	
Ethylbenzene	13	0.50	ug/L	1.00	02/13/2004 03:24	
Total xylenes	ND	1.0	ug/L	1.00	02/13/2004 03:24	
tert-Butyl alcohol (TBA)	ND	100	ug/L	1.00	02/13/2004 03:24	
Methyl tert-butyl ether (MTBE)	9.6	2.0	ug/L	1.00	02/13/2004 03:24	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	02/13/2004 03:24	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	02/13/2004 03:24	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	02/13/2004 03:24	
1,2-DCA	ND	2.0	ug/L	1.00	02/13/2004 03:24	
EDB	ND	2.0	ug/L	1.00	02/13/2004 03:24	
Ethanol	ND	500	ug/L	1.00	02/13/2004 03:24	
Surrogate(s)						
Toluene-d8	92.0	88-110	%	1.00	02/13/2004 03:24	
1,2-Dichloroethane-d4	107.1	76-114	%	1.00	02/13/2004 03:24	

Gas/BTEX Fuel Oxygenates by 8260B

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

Project: 41050001FA20
Conoco Phillips #7176

Received: 02/05/2004 17:43

Site: 7850 Amador Valley Blvd., Dublin

Batch QC Report

Prep(s): 5030B
Method Blank
MB: 2004/02/12-2A.62-009

Water

Test(s): 8260FAB
QC Batch # 2004/02/12-2A.62
Date Extracted: 02/12/2004 19:09

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	02/12/2004 19:09	
tert-Butyl alcohol (TBA)	ND	100	ug/L	02/12/2004 19:09	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	02/12/2004 19:09	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	02/12/2004 19:09	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	02/12/2004 19:09	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	02/12/2004 19:09	
1,2-DCA	ND	2.0	ug/L	02/12/2004 19:09	
EDB	ND	2.0	ug/L	02/12/2004 19:09	
Benzene	ND	0.5	ug/L	02/12/2004 19:09	
Toluene	ND	0.5	ug/L	02/12/2004 19:09	
Ethylbenzene	ND	0.5	ug/L	02/12/2004 19:09	
Total xylenes	ND	1.0	ug/L	02/12/2004 19:09	
Ethanol	ND	500	ug/L	02/12/2004 19:09	
Surrogates(s)					
1,2-Dichloroethane-d4	99.2	76-114	%	02/12/2004 19:09	
Toluene-d8	99.2	88-110	%	02/12/2004 19:09	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience

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

Project: 41050001FA20
Conoco Phillips #7176

Received: 02/05/2004 17:43

Site: 7850 Amador Valley Blvd., Dublin

Batch QC Report

Prep(s): 5030B
Method Blank
MB: 2004/02/13-2B.64-047

Water

Test(s): 8260FAB
QC Batch # 2004/02/13-2B.64
Date Extracted: 02/13/2004 18:47

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	02/13/2004 18:47	
tert-Butyl alcohol (TBA)	ND	100	ug/L	02/13/2004 18:47	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	02/13/2004 18:47	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	02/13/2004 18:47	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	02/13/2004 18:47	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	02/13/2004 18:47	
1,2-DCA	ND	2.0	ug/L	02/13/2004 18:47	
EDB	ND	2.0	ug/L	02/13/2004 18:47	
Benzene	ND	0.5	ug/L	02/13/2004 18:47	
Toluene	ND	0.5	ug/L	02/13/2004 18:47	
Ethylbenzene	ND	0.5	ug/L	02/13/2004 18:47	
Total xylenes	ND	1.0	ug/L	02/13/2004 18:47	
Ethanol	ND	500	ug/L	02/13/2004 18:47	
Surrogates(s)					
1,2-Dichloroethane-d4	95.2	76-114	%	02/13/2004 18:47	
Toluene-d8	104.2	88-110	%	02/13/2004 18:47	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience

Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #7176

Received: 02/05/2004 17:43

Site: 7850 Amador Valley Blvd., Dublin

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike **Water** **QC Batch # 2004/02/12-2A.62**

LCS 2004/02/12-2A.62-025 Extracted: 02/12/2004 Analyzed: 02/12/2004 18:25

LCSD 2004/02/12-2A.62-047 Extracted: 02/12/2004 Analyzed: 02/12/2004 18:47

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	32.6	31.3	25	130.4	125.2	4.1	65-165	20		
Benzene	26.8	27.0	25	107.2	108.0	0.7	69-129	20		
Toluene	27.7	27.1	25	110.8	108.4	2.2	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	491	516	500	98.2	103.2		76-114			
Toluene-d8	494	512	500	98.8	102.4		88-110			

Gas/BTEX Fuel Oxygenates by 8260B

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

Project: 41050001FA20
Conoco Phillips #7176

Received: 02/05/2004 17:43

Site: 7850 Amador Valley Blvd., Dublin

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike **Water** **QC Batch # 2004/02/13-2B.64**

LCS 2004/02/13-2B.64-048 Extracted: 02/13/2004 Analyzed: 02/13/2004 18:02
LCSD 2004/02/13-2B.64-024 Extracted: 02/13/2004 Analyzed: 02/13/2004 18:24

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	24.9	23.0	25	99.6	92.0	7.9	65-165	20		
Benzene	27.1	25.9	25	108.4	103.6	4.5	69-129	20		
Toluene	28.0	26.7	25	112.0	106.8	4.8	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	445	430	500	89.0	86.0		76-114			
Toluene-d8	521	517	500	104.2	103.4		88-110			

SEVERN TRENT STL

Submission #: 2004-02-0247

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #7176

Received: 02/05/2004 17:43

Site: 7850 Amador Valley Blvd., Dublin

Legend and Notes

Analysis Flag

o

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

SEVERN TRENT STL

Submission #: 2004-02-0247

Diesel

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #7176

Received: 02/05/2004 17:43

Site: 7850 Amador Valley Blvd., Dublin

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
U-3	02/04/2004 16:52	Water	1
MW-5	02/04/2004 16:25	Water	2
MW-4	02/04/2004 17:20	Water	3
U-2	02/04/2004 17:51	Water	4
U-1	02/04/2004 18:26	Water	5

Diesel

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #7176

Received: 02/05/2004 17:43

Site: 7850 Amador Valley Blvd., Dublin

Prep(s): 3510/8015M
Sample ID: **U-3**
Sampled: 02/04/2004 16:52
Matrix: Water

Test(s): 8015M
Lab ID: 2004-02-0247 - 1
Extracted: 2/11/2004 05:22
QC Batch#: 2004/02/11-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	90	50	ug/L	1.00	02/12/2004 19:32	edr
Surrogate(s)						
o-Terphenyl	78.3	60-130	%	1.00	02/12/2004 19:32	

Diesel

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #7176

Received: 02/05/2004 17:43

Site: 7850 Amador Valley Blvd., Dublin

Prep(s): 3510/8015M
Sample ID: **MW-5**
Sampled: 02/04/2004 16:25
Matrix: Water

Test(s): 8015M
Lab ID: 2004-02-0247 - 2
Extracted: 2/11/2004 05:22
QC Batch#: 2004/02/11-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	02/12/2004 20:03	
Surrogate(s)						
o-Terphenyl	63.9	60-130	%	1.00	02/12/2004 20:03	

Diesel

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #7176

Received: 02/05/2004 17:43

Site: 7850 Amador Valley Blvd., Dublin

Prep(s): 3510/8015M
Sample ID: **MW-4**
Sampled: 02/04/2004 17:20
Matrix: Water

Test(s): 8015M
Lab ID: 2004-02-0247 - 3
Extracted: 2/11/2004 05:22
QC Batch#: 2004/02/11-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	94	50	ug/L	1.00	02/12/2004 12:51	edr
Surrogate(s)						
o-Terphenyl	67.2	60-130	%	1.00	02/12/2004 12:51	

Diesel

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #7176

Received: 02/05/2004 17:43

Site: 7850 Amador Valley Blvd., Dublin

Prep(s): 3510/8015M
Sample ID: **U-2**
Sampled: 02/04/2004 17:51
Matrix: Water

Test(s): 8015M
Lab ID: 2004-02-0247 - 4
Extracted: 2/11/2004 05:22
QC Batch#: 2004/02/11-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1300	50	ug/L	1.00	02/12/2004 13:22	edr
Surrogate(s)						
o-Terphenyl	67.0	60-130	%	1.00	02/12/2004 13:22	

Diesel

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #7176

Received: 02/05/2004 17:43

Site: 7850 Amador Valley Blvd., Dublin

Prep(s): 3510/8015M
Test(s): 8015M
Sample ID: **U-1**
Lab ID: 2004-02-0247 - 5
Sampled: 02/04/2004 18:26
Extracted: 2/11/2004 05:22
Matrix: Water
QC Batch#: 2004/02/11-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1300	50	ug/L	1.00	02/12/2004 13:53	edr
Surrogate(s)						
o-Terphenyl	63.7	60-130	%	1.00	02/12/2004 13:53	

Diesel

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #7176

Received: 02/05/2004 17:43

Site: 7850 Amador Valley Blvd., Dublin

Batch QC Report

Prep(s): 3510/8015M
Method Blank

Water

Test(s): 8015M
QC Batch # 2004/02/11-02.10

MB: 2004/02/11-02.10-001

Date Extracted: 02/11/2004 05:22

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	02/11/2004 17:28	
Surrogates(s)					
o-Terphenyl	74.2	60-130	%	02/11/2004 17:28	

SEVERN TRENT STL

Submission #: 2004-02-0247

Diesel

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #7176

Received: 02/05/2004 17:43

Site: 7850 Amador Valley Blvd., Dublin

Batch QC Report

Prep(s): 3510/8015M

Test(s): 8015M

Laboratory Control Spike **Water** **QC Batch # 2004/02/11-02.10**

LCS 2004/02/11-02.10-002 Extracted: 02/11/2004 Analyzed: 02/11/2004 13:53
LCSD 2004/02/11-02.10-003 Extracted: 02/11/2004 Analyzed: 02/11/2004 14:24

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Diesel	777	706	1000	77.7	70.6	9.6	60-130	25		
Surrogates(s)										
o-Terphenyl	15.7	13.9	20.0	78.7	69.5		60-130	0		

Diesel

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 #7176

Received: 02/05/2004 17:43

Site: 7850 Amador Valley Blvd., Dublin

Legend and Notes

Result Flag

edr

Hydrocarbon reported is in the early Diesel range, and does not match our Diesel standard

SEVERN TRENT STL

STL San Francisco

Sample Receipt Checklist

Submission #:2004- 02 - 0247

Checklist completed by: (initials) DSH Date: 02/08/04

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: 4.0 °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: ____/____/04

Client contacted: ☐ Yes ☐ No

Summary of discussion: _____

Corrective Action (per PM/Client): _____

2004-02-0247

ConocoPhillips Chain Of Custody Record

82696

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: 2-4-04
PAGE: 1 of 1

SAMPLING COMPANY:	Valid Value ID:	CONOCOPHILLIPS SITE NUMBER	GLOBAL ID NO.:
TRC		7176	NONE FOR THIS SITE

ADDRESS:	SITE ADDRESS (Street and City):	CONOCOPHILLIPS SITE MANAGER:
21 Technology Drive, Irvine CA 92618	7850 AMADOR VALLEY BLVD. DUBLIN	

PROJECT CONTACT (Hardcopy or PDF Report to):	EDF DELIVERABLE TO (RP or Designee):	PHONE NO.:	E-MAIL:	LAB USE ONLY
Anju Farfan	Peter Thomson, TRC pthomson@trcsolutions.com	949-341-7408		

TELEPHONE:	FAX:	E-MAIL:
949-341-7440	949-753-0111	afarfan@trcsolutions.com

SAMPLER NAME(S) (Print):	CONSULTANT PROJECT NUMBER
ALEX	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 ☑

- RUN TPH-D WITH SILICA GEL CLEAN UP ON HITS.

* 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	TPH-D BY 8015M	TPPH BY 8260B	BTEX /MTBE BY 8260B	8 OXYS BY 8260B
	U-3	2-4-04	1452	GW	11									X	X	X	X
	MW-5		1425														
	MW-4		1720														
	U-2		1751														
	U-1		1826														

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

4.0 °C
TEMPERATURE ON RECEIPT C°

REFRIGERATED

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		2/5/04	1235
2/6/04 1703		2/5/04	
	Nouneh.	2/5/04	1755

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.