TRC

Customer-Focused Solutions

January 10, 2005

ConocoPhillips Company
76 Broadway
Sacramento, CA 94563

ATTN: MR. THOMAS KOSEL

SITE: 76 STATION 6129
3420 35TH AVENUE
OAKLAND, CALIFORNIA

RE: QUARTERLY MONITORING REPORT
OCTOBER THROUGH DECEMBER 2004

Dear Mr. Kosel:

Please find enclosed our Quarterly Monitoring Report for 76 Station 6129, located at 3420 35th Avenue, Oakland, California. If you have any questions regarding this report, please call us at (949) 753-0101.

Sincerely,

TRC

Anju Farfan
QMS Operations Manager

CC: Mr. Jed Douglas, Miller Brooks Environmental (2 copies)

Enclosures:
20-0400/6129R02.QMS

21 Technology Drive • Irvine, California 92618
Telephone 949-753-0101 • Fax 949-753-0111

TRC

Customer-Focused Solutions

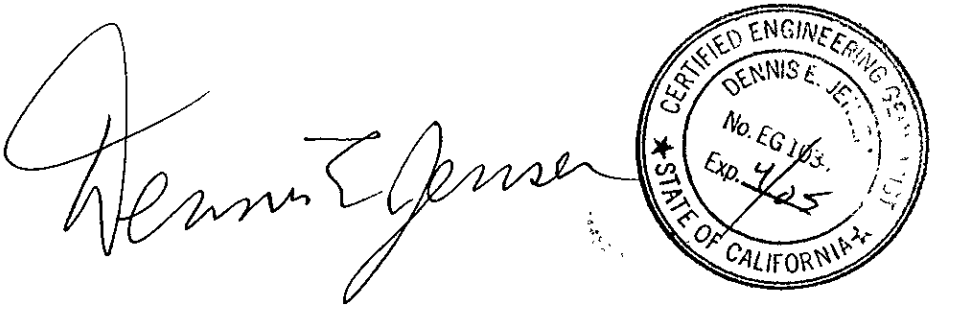
QUARTERLY MONITORING REPORT
OCTOBER THROUGH DECEMBER 2004

76 Station 6129
3420 35th Avenue
Oakland, California

Prepared For:

Mr. Thomas Kosel
CONOCOPHILLIPS COMPANY
76 Broadway
Sacramento, CA 94563

By:



Senior Project Geologist, Irvine Operations
January 10, 2005

21 Technology Drive • Irvine, California 92618
Telephone 949-753-0101 • Fax 949-753-0111

LIST OF ATTACHMENTS	
Summary Sheet	Summary of Gauging and Sampling Activities
Tables	Table Key Table 1: Current Fluid Levels and Selected Analytical Results Table 2: Historic Fluid Levels and Selected Analytical Results Table 3: Additional Analytical Results
Figures	Figure 1: Vicinity Map Figure 2: Groundwater Elevation Contour Map Figure 3: Dissolved-Phase TPPH Concentration Map Figure 4: Dissolved-Phase Benzene Concentration Map Figure 5: Dissolved-Phase MTBE Concentration Map
Graphs	Groundwater Elevations vs. Time Benzene Concentrations vs. Time MTBE 8260B Concentrations vs. Time
Field Activities	General Field Procedures Groundwater Sampling Field Notes
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Statements	Purge Water Disposal Limitations

Summary of Gauging and Sampling Activities
October 2004 through December 2004
76 Station 6129
3420 35th Ave.
Oakland, CA

Project Coordinator: **Thomas Kosel**
Telephone: **916-558-7666**
Water Sampling Contractor: ***TRC***
Compiled by: **Valentina Tobon**
Date(s) of Gauging/Sampling Event: **11/23/04**

Sample Points

Groundwater wells: **3** onsite, **0** offsite Wells gauged: **3** Wells sampled: **3**
Purging method: **Diaphragm pump**
Purge water disposal: **Onyx/Rodeo Unit 100**
Other Sample Points: **0** Type: **n/a**

Liquid Phase Hydrocarbons (LPH)

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

Hydrogeologic Parameters

Depth to groundwater (below TOC): Minimum: **28.48 feet** Maximum: **29.35 feet**
Average groundwater elevation (relative to available local datum): **72.61 feet**
Average change in groundwater elevation since previous event: **1.32 feet**
Interpreted groundwater gradient and flow direction:
Current event: **0.02 ft/ft, southwest**
Previous event: **0.014 ft/ft, west (08/27/04)**

Selected Laboratory Results

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

Wells with **TPPH 8260B**	**2**	Maximum: **1,500 µg/l (MW-3)**
Wells with **MTBE**	**2**	Maximum: **1,800 µg/l (MW-3)**

Notes:

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

TABLES

TABLE KEY

STANDARD ABREVIATIONS

--	=	not analyzed, measured, or collected
LPH	=	liquid-phase hydrocarbons
Trace	=	less than 0.01 foot of LPH in well
µg/l	=	micrograms per liter (approx. e3quivalent to parts per billion, ppb)
mg/l	=	milligrams per liter (approx. equivalent to parts per million, ppm)
ND<	=	not detected at or above laboratory detection limit
TOC	=	top of casing (surveyed reference elevation)

ANALYTES

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

NOTES

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

REFERENCE

TRC began groundwater monitoring and sampling 76 Station 6129 in August 2004.

Table 1

CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

November 23, 2004

76 Station 6129

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8260B (µg/l)	Comments
MW-1												
11/23/04	102.24	29.35	0.00	72.89	1.30	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	
MW-2												
11/23/04	102.16	28.75	0 00	73.41	1.53	53	ND<0.50	ND<0.50	ND<0.50	ND<1.0	4.2	
MW-3												
11/23/04	100.00	28.48	0.00	71.52	1.13	1500	ND<10	ND<10	ND<10	ND<20	1800	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

January 1990 Through November 2004

76 Station 6129

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8260B (µg/l)	Comments
MW-1												
01/05/90	--	--	--	--	--	--	ND	ND	ND	ND	--	
05/11/90	--	--	--	--	--	--	ND	7.1	ND	ND	--	
08/09/90	--	--	--	--	--	--	ND	ND	ND	ND	--	
11/14/90	--	--	--	--	--	--	ND	ND	ND	ND	--	
02/12/91	--	--	--	--	--	--	0.32	ND	ND	ND	--	
05/09/91	--	--	--	--	--	--	ND	ND	ND	ND	--	
11/13/03	--	--	--	--	--	180	ND<1.0	ND<1.0	ND<1.0	ND<2.0	240	
08/27/04	102.24	30.65	0.00	71.59	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	
11/23/04	102.24	29.35	0.00	72.89	1.30	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	
MW-2												
01/05/90	--	--	--	--	--	--	ND	ND	ND	ND	--	
05/11/90	--	--	--	--	--	--	ND	ND	ND	ND	--	
08/09/90	--	--	--	--	--	--	ND	ND	ND	ND	--	
11/14/90	--	--	--	--	--	--	ND	ND	ND	ND	--	
02/12/91	--	--	--	--	--	--	ND	0.42	ND	0.51	--	
05/09/91	--	--	--	--	--	--	ND	ND	ND	ND	--	
11/13/03	--	--	--	--	--	ND<2000	ND<20	ND<20	ND<20	ND<40	2100	
08/27/04	102.16	30.28	0.00	71.88	--	950	ND<5.0	ND<5.0	ND<5.0	ND<10	1400	
11/23/04	102.16	28.75	0.00	73.41	1.53	53	ND<0.50	ND<0.50	ND<0.50	ND<1.0	4.2	
MW-3												
01/05/90	--	--	0.00	--	--	--	ND	ND	ND	ND	--	
05/11/90	--	--	--	--	--	--	ND	ND	ND	ND	--	
08/09/90	--	--	--	--	--	--	ND	ND	ND	ND	--	
11/14/90	--	--	--	--	--	--	ND	ND	ND	ND	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

January 1990 Through November 2004

76 Station 6129

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8260B (µg/l)	Comments
MW-3 continued												
02/12/91	--	--	--	--	--	--	ND	ND	ND	ND	--	
05/09/91	--	--	--	--	--	--	ND	ND	ND	ND	--	
11/13/03	--	--	--	--	--	2600	ND<20	ND<20	ND<20	ND<40	3700	
08/27/04	100.00	29.61	0.00	70.39	--	1700	ND<10	ND<10	ND<10	ND<20	2600	
11/23/04	100.00	28.48	0.00	71.52	1.13	1500	ND<10	ND<10	ND<10	ND<20	1800	

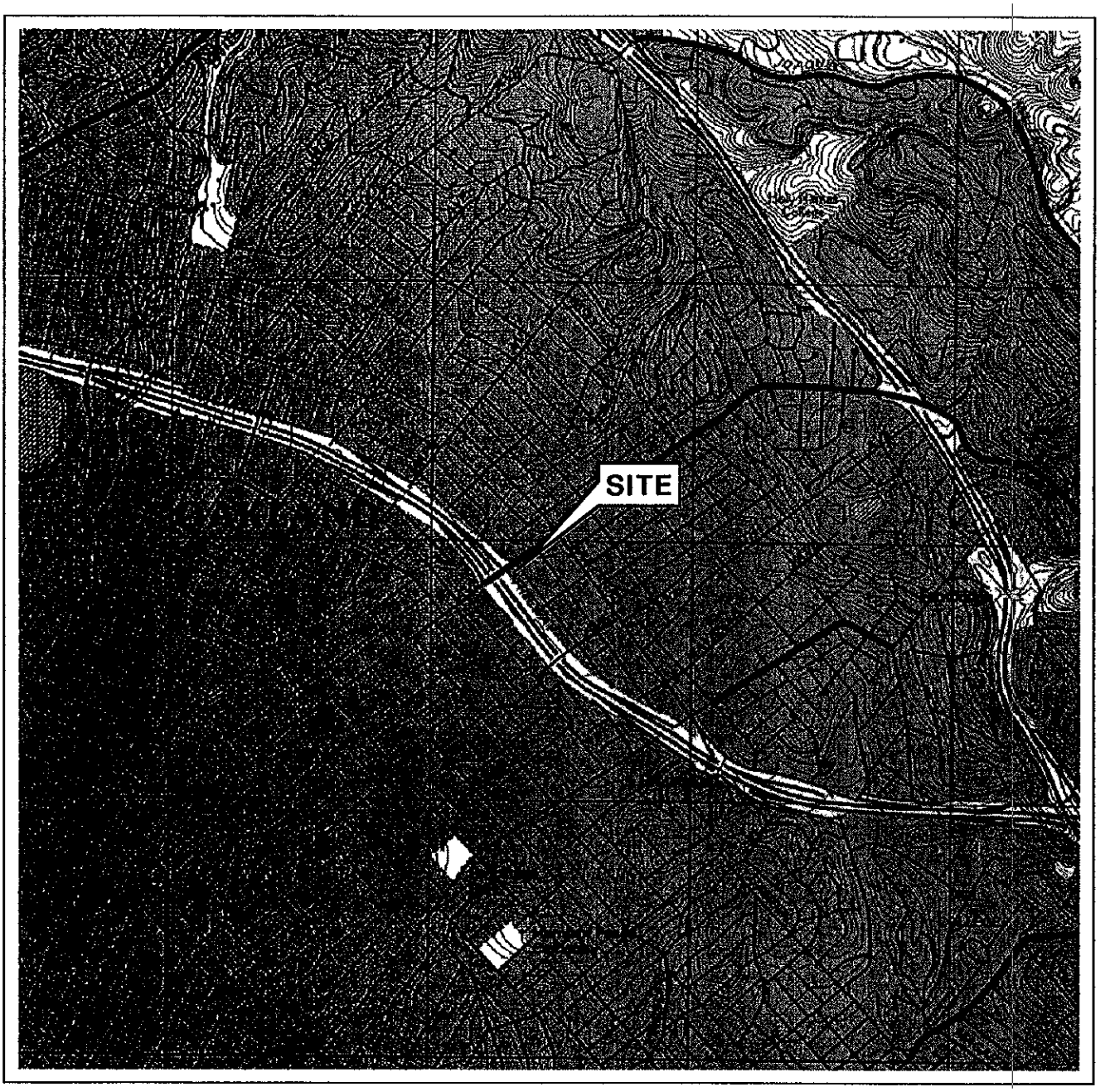
Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 6129

Date Sampled	TPH-G	EDC	EDB	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8260B
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-1								
01/05/90	ND	--	--	--	--	--	--	--
05/11/90	ND	--	--	--	--	--	--	--
08/09/90	ND	--	--	--	--	--	--	--
11/14/90	ND	--	--	--	--	--	--	--
02/12/91	ND	--	--	--	--	--	--	--
05/09/91	ND	--	--	--	--	--	--	--
11/13/03	--	ND<4.0	ND<4.0	ND<4.0	ND<200	ND<4.0	ND<4.0	ND<1000
08/27/04	--	ND<0 50	ND<0.50	ND<0 50	ND<5.0	ND<1.0	ND<0.50	ND<50
11/23/04	--	ND<0.50	ND<0.50	ND<0 50	ND<5.0	ND<1.0	ND<0.50	ND<50
MW-2								
01/05/90	ND	--	--	--	--	--	--	--
05/11/90	ND	--	--	--	--	--	--	--
08/09/90	ND	--	--	--	--	--	--	--
11/14/90	ND	--	--	--	--	--	--	--
02/12/91	ND	--	--	--	--	--	--	--
05/09/91	ND	--	--	--	--	--	--	--
11/13/03	--	ND<80	ND<80	ND<80	ND<4000	ND<80	ND<80	ND<20000
08/27/04	--	ND<5.0	ND<5.0	ND<5.0	ND<50	24	ND<5.0	ND<500
11/23/04	--	ND<0 50	ND<0.50	ND<0.50	ND<5.0	18	ND<0.50	ND<50
MW-3								
01/05/90	ND	--	--	--	--	--	--	--
05/11/90	ND	--	--	--	--	--	--	--
08/09/90	ND	--	--	--	--	--	--	--
11/14/90	ND	--	--	--	--	--	--	--
02/12/91	ND	--	--	--	--	--	--	--
05/09/91	ND	--	--	--	--	--	--	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 6129

Date Sampled	TPH-G	EDC	EDB	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8260B
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-3 continued								
11/13/03	--	ND<80	ND<80	ND<80	ND<4000	ND<80	ND<80	ND<20000
08/27/04	--	ND<10	ND<10	ND<10	ND<100	ND<20	ND<10	ND<1000
11/23/04	--	ND<10	ND<10	ND<10	ND<100	ND<20	ND<10	ND<1000

FIGURES



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SOURCE:

United States Geological Survey
7.5 Minute Topographic Map:
Oakland East Quadrangle
Address located from Mapquest.

VICINITY MAP

76 Station 6129
3420 35th Street
Oakland, California

TRC

FIGURE 1

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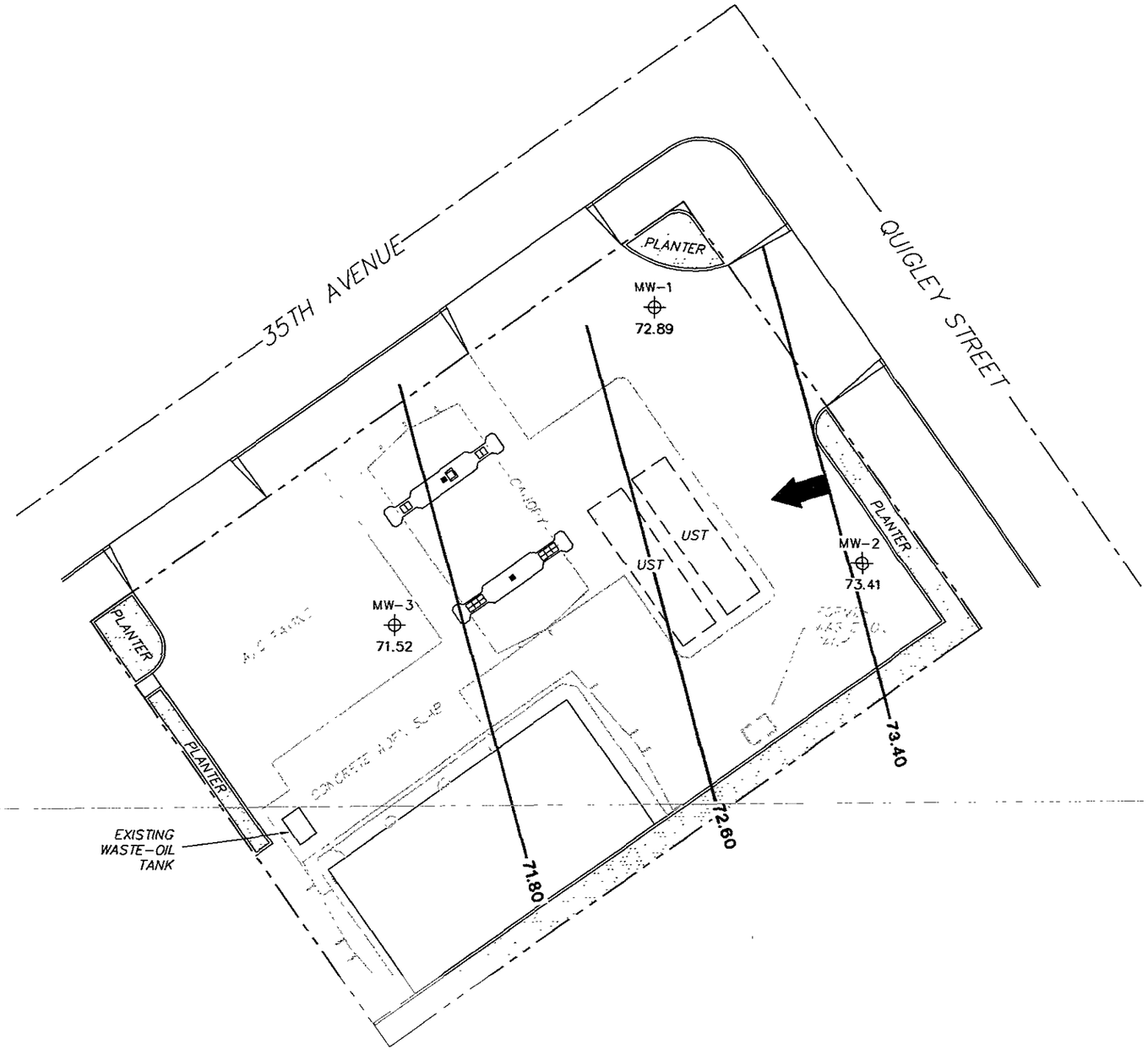

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LEGEND

MW-3 ⊕ Monitoring Well with Groundwater Elevation (feet)

73.40 —— 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.

SCALE (FEET)

0 30 60

PS=1:1

GROUNDWATER ELEVATION CONTOUR MAP
November 23, 2004

76 Station 6129
3420 35th Street
Oakland, California

TRC

FIGURE 2

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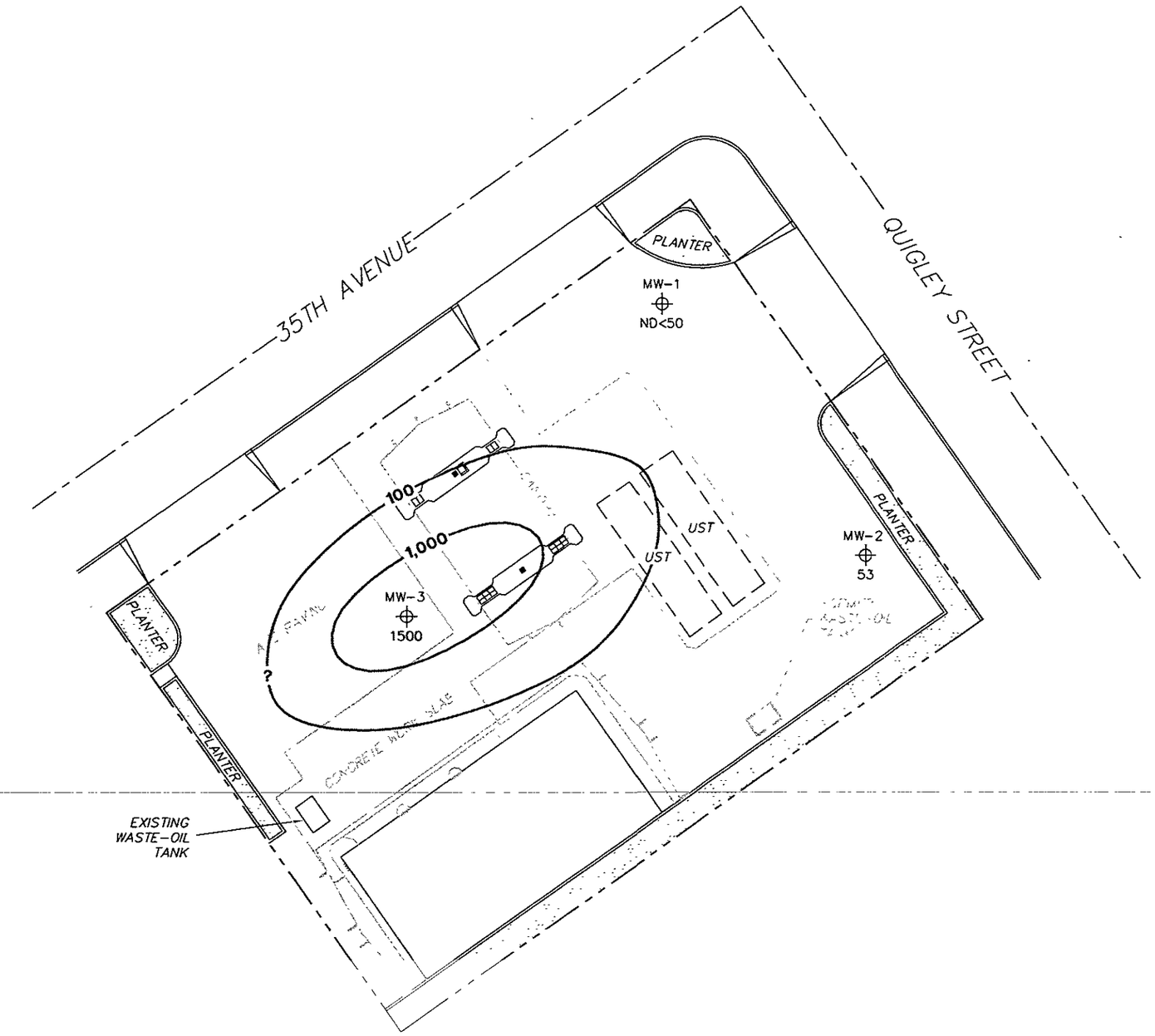

N

LEGEND

MW-3 ⊕ Monitoring Well with Dissolved-Phase TPPH Concentration (µg/l)

—1,000— 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.

SCALE (FEET)

0 30 60

DISSOLVED-PHASE TPPH CONCENTRATION MAP
November 23, 2004

76 Station 6129
3420 35th Street
Oakland, California

TRC

FIGURE 3

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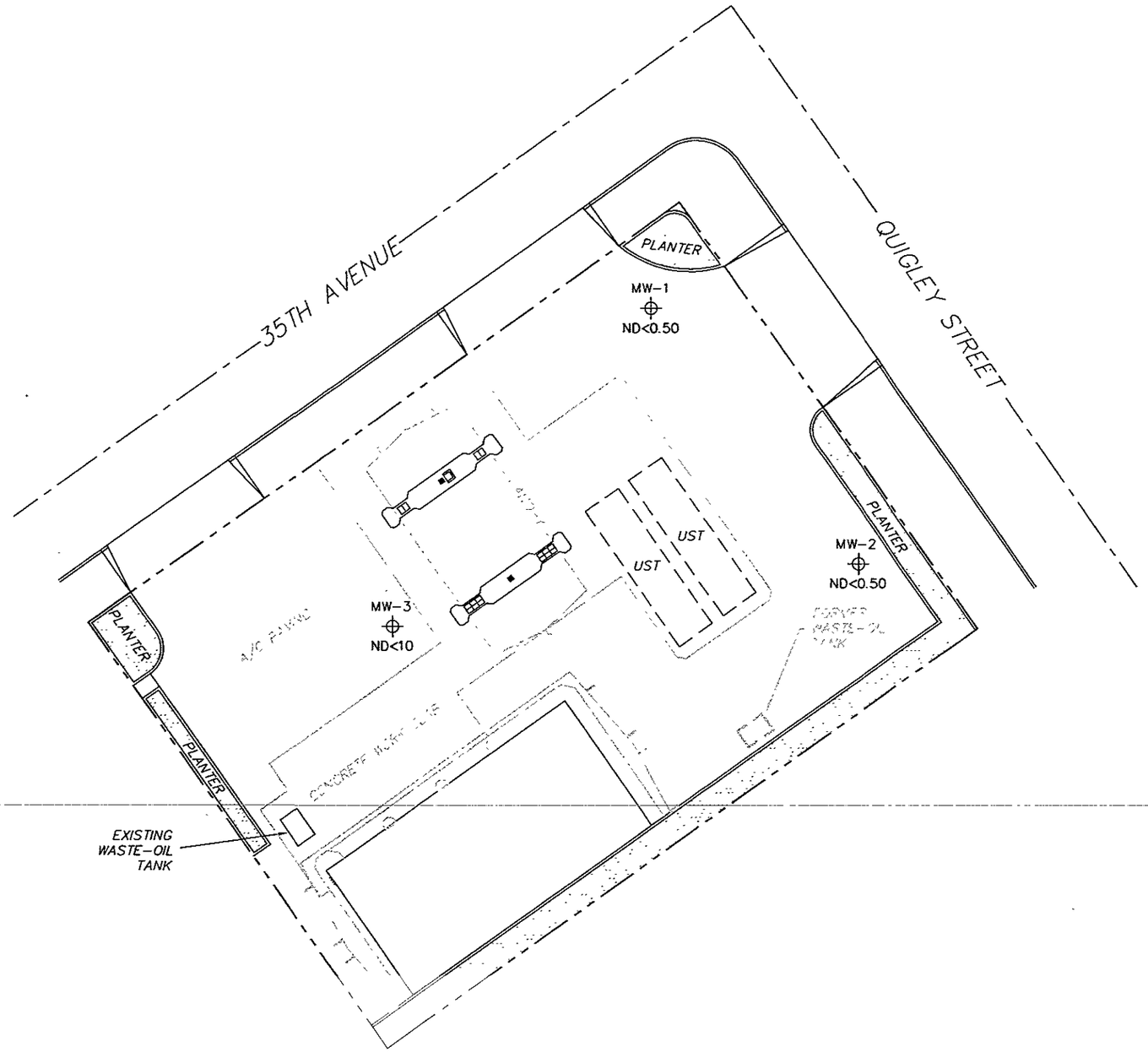

SCALE (FEET)

0 30 60

N

LEGEND

MW-3 ⊕ Monitoring Well with Dissolved-Phase Benzene Concentration (µg/l)

NOTES:

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

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
November 23, 2004

76 Station 6129
3420 35th Street
Oakland, California

TRC

FIGURE 4

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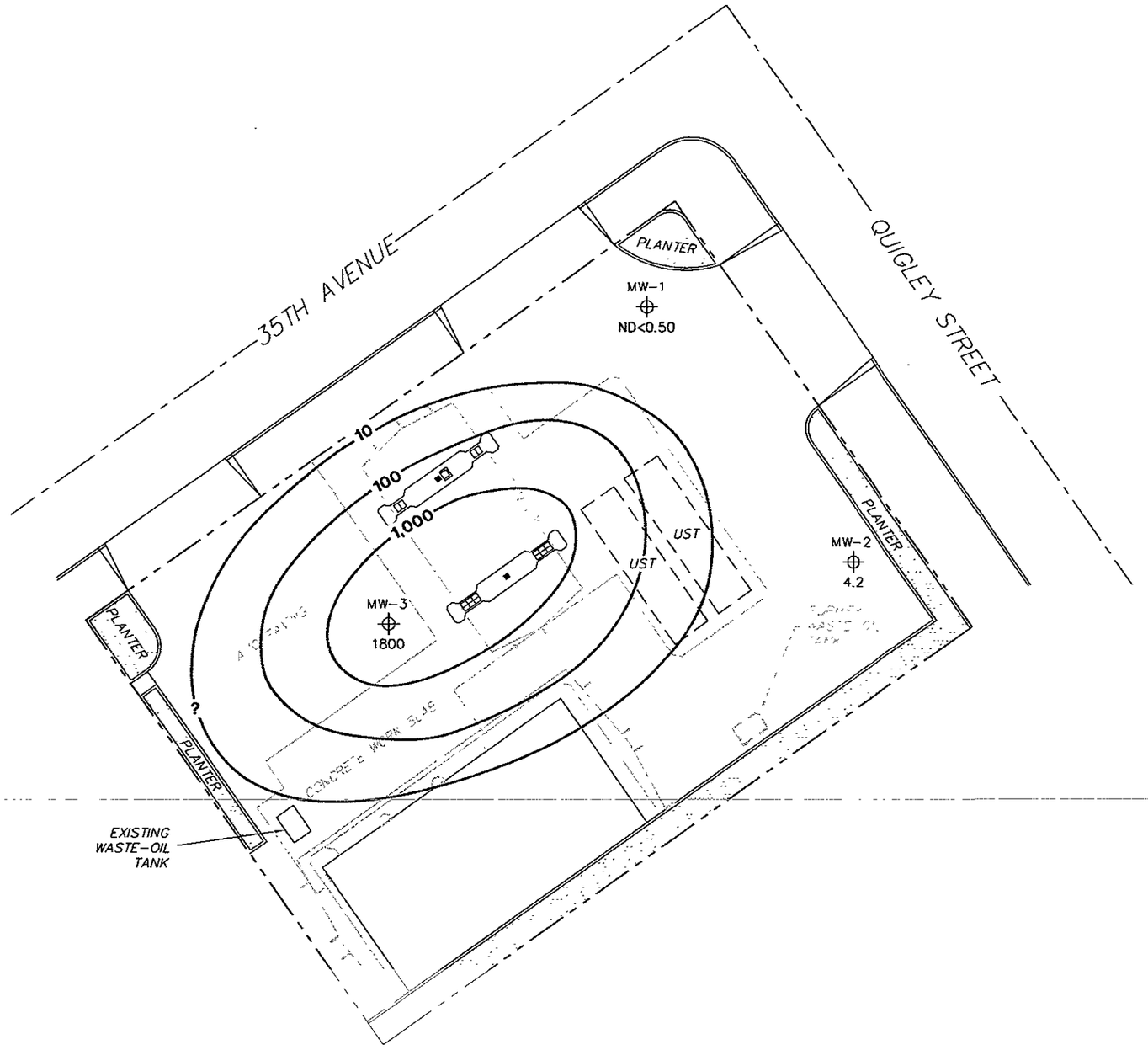

N

LEGEND

MW-3 ⊕ Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)

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

NOTES:

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

SCALE (FEET)

0 30 60

PS=1:1

DISSOLVED-PHASE MTBE CONCENTRATION MAP
November 23, 2004

76 Station 6129
3420 35th Street
Oakland, California

TRC

FIGURE 5

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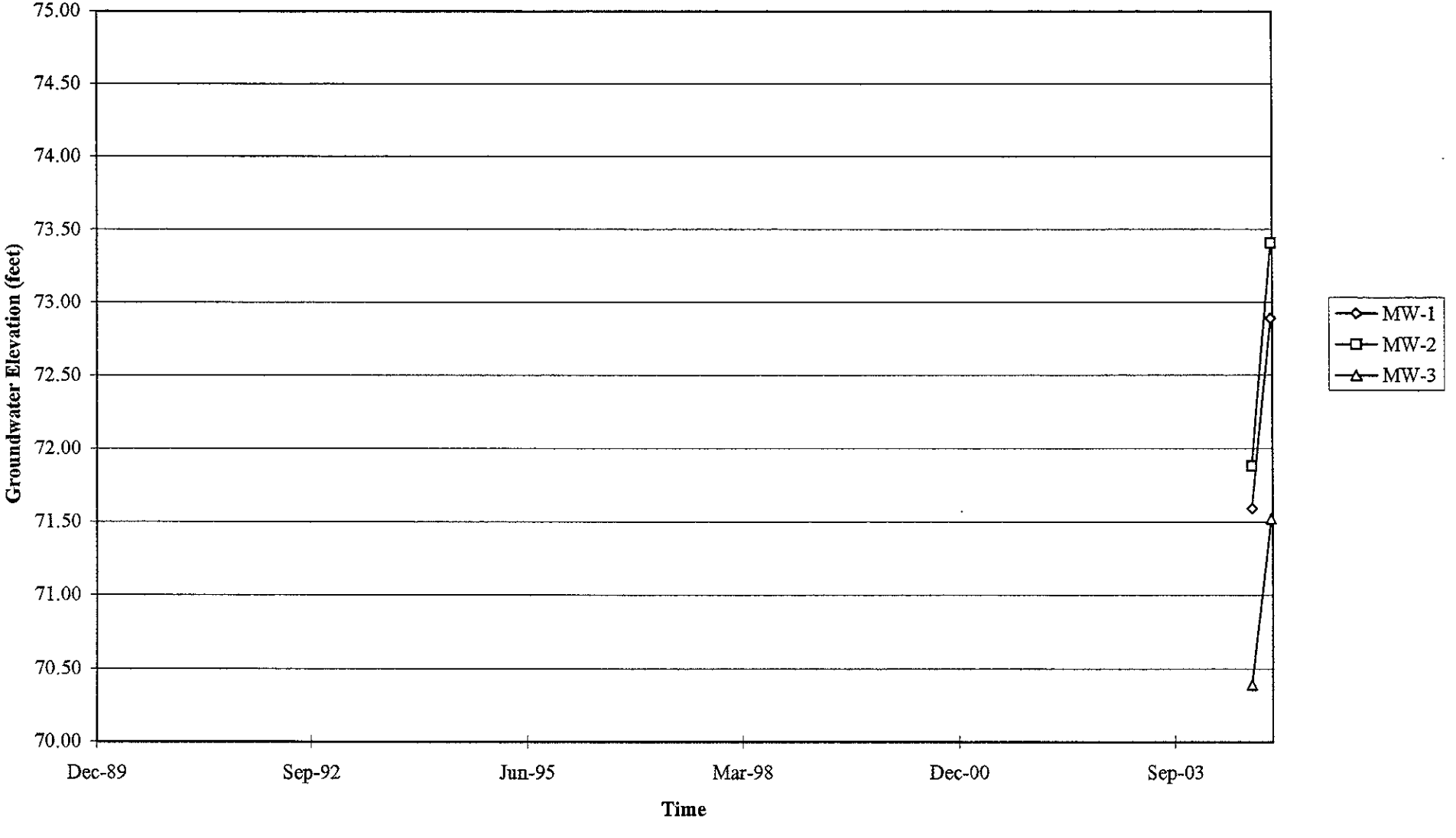
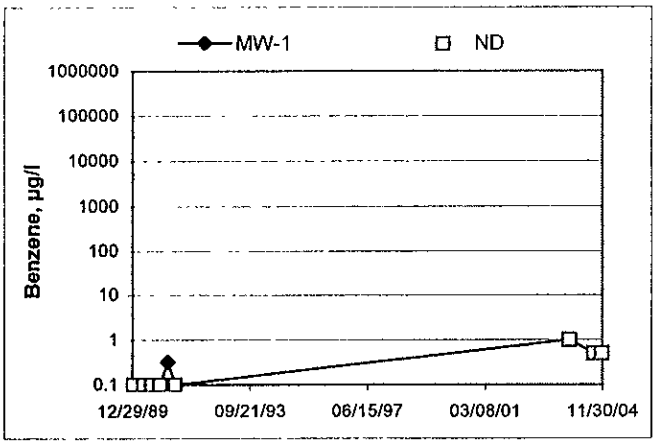
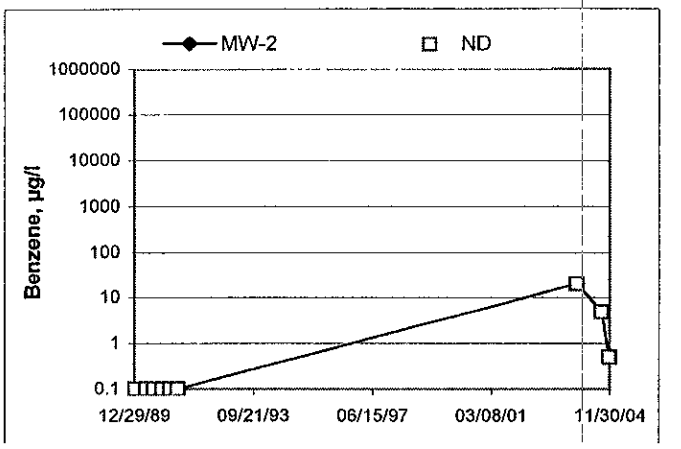
GRAPHS

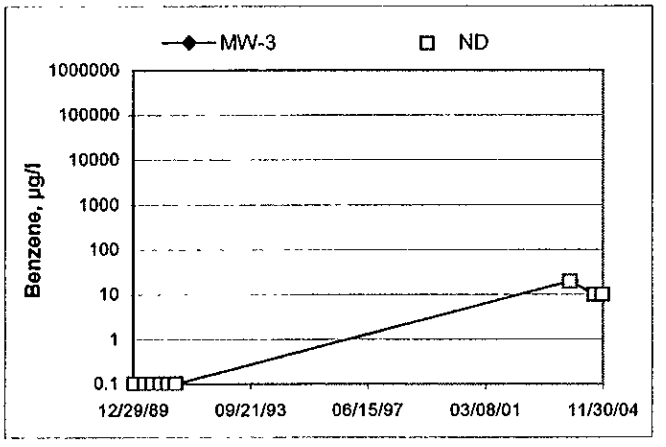
Groundwater Elevations vs. Time
76 Station 6129



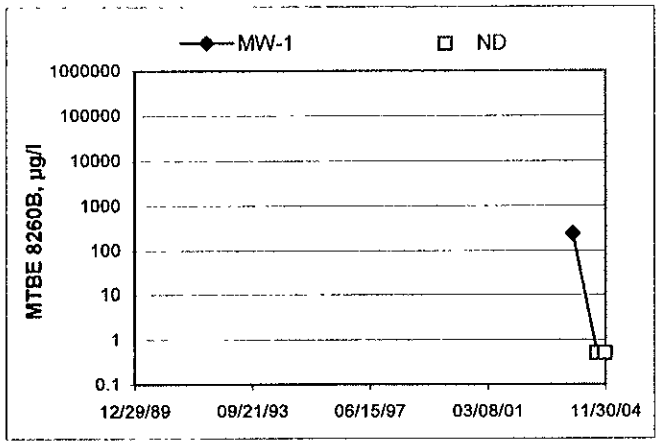
Benzene Concentrations vs Time
76 Station 6129

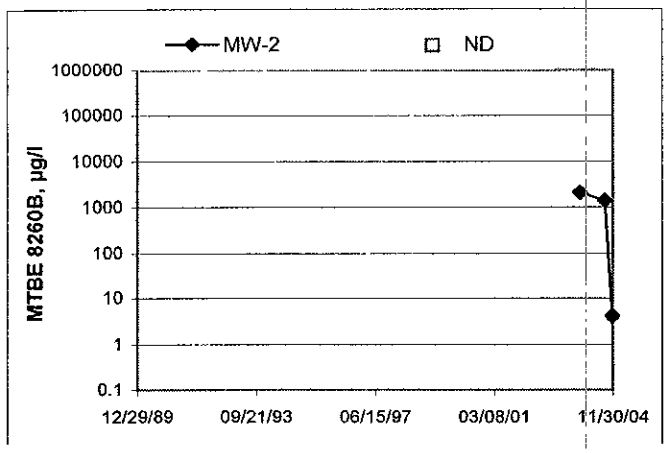


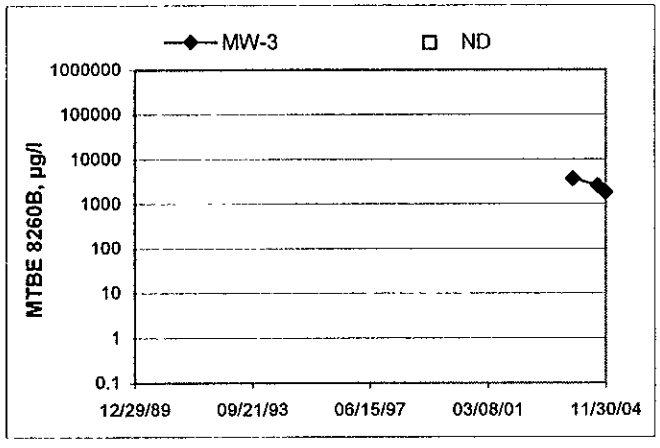




MTBE 8260B Concentrations vs Time
76 Station 6129







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 pre vious 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-inchto 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: Branden B Job #/Task #: FA 20 Date: 11/23/04

Site # 6129 Project Manager Adrian Collins Page 1 of 1

Well #	TOC	Time Gauged	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
MW1		1050	43.45	29.35	ø	ø	1205	2"
MW-2		1058	43.6	28.75	ø	ø	1234	2"
MW-3		1109	42.62	28.48	ø	ø	1305	2"

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

WTT CERTIFICATE MANIFEST DRUM INVENTORY ✓ TRAFFIC CONTROL

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: Branden B

Site: 6124 Project No.: 410500001 Date: 11/23/04

Well No.: MW-1
Depth to Water (feet): 29.35
Total Depth (feet): 43.45
Water Column (feet): 14.1
80% Recharge Depth (feet): 32.17

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

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F ∅)	pH	Turbidity	D.O.
1150			2	533	19.30	6.88		
		-	4	598	19.90	6.85		
	1200		6	591	20.00	6.81		

Static at Time Sampled	Total Gallons Purged	Time Sampled
30.06	6	1205

Comments:

Well No.: MW-2
Depth to Water (feet): 28.75
Total Depth (feet): 43.4
Water Column (feet): 14.65
80% Recharge Depth (feet): 31.72

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

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F ∅)	pH	Turbidity	D.O.
1215			2	540	19.62	7.02		
			4	563	20.3	6.91		
	1228		6	555	20.3	6.92		

Static at Time Sampled	Total Gallons Purged	Time Sampled
29.17	6	1234

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: Brunden B

Site: 6129 Project No.: 41050001 Date: 11/23/04

Well No.: MW-3 Purge Method: D

Depth to Water (feet): 28.48 Depth to Product (feet): ∅

Total Depth (feet): 42.62 LPH & Water Recovered (gallons): ∅

Water Column (feet): 14.14 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 31.30 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.
1245			2	547	18.30	6.88		
			4	555	18.98	6.91		
	1255	~~1255~~ 28.48	6	554	19.00	6.84		

Static at Time Sampled	Total Gallons Purged	Time Sampled
	6	13:05

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:

SEVERN TRENT STL

Submission#: 2004-11-0841

TRC Alton Geoscience- Irvine

December 13, 2004

21 Technology Drive
Irvine, CA 92718

Attn.: Anju Farfan

Project#: 41050001/FA20
Project: Conoco Phillips #6129
Site: 3420 35th Ave.

Attached is our report for your samples received on 11/29/2004 18:20
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 01/13/2005 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,

Dimple Sharma
Project Manager

SEVERN TRENT STL

Submission: 2004-11-0841

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001/FA20
Conoco Phillips #6129

Received: 11/29/2004 18:20

Site: 3420 35th Ave.

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	11/23/2004 12:05	Water	1
MW-2	11/23/2004 12:34	Water	2
MW-3	11/23/2004 13:05	Water	3

SEVERN TRENT STL

Submission: 2004-11-0841

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001/FA20
Conoco Phillips #6129

Received: 11/29/2004 18:20

Site: 3420 35th Ave.

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**MW-1**	Lab ID:	2004-11-0841 - 1
Sampled:	11/23/2004 12:05	Extracted:	12/4/2004 21:01
Matrix:	Water	QC Batch#:	2004/12/04--2.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/04/2004 21:01	
Benzene	ND	0.50	ug/L	1.00	12/04/2004 21:01	
Toluene	ND	0.50	ug/L	1.00	12/04/2004 21:01	
Ethylbenzene	ND	0.50	ug/L	1.00	12/04/2004 21:01	
Total xylenes	ND	1.0	ug/L	1.00	12/04/2004 21:01	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	12/04/2004 21:01	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	12/04/2004 21:01	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	12/04/2004 21:01	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	12/04/2004 21:01	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	12/04/2004 21:01	
1,2-DCA	ND	0.50	ug/L	1.00	12/04/2004 21:01	
EDB	ND	0.50	ug/L	1.00	12/04/2004 21:01	
Ethanol	ND	50	ug/L	1.00	12/04/2004 21:01	
Surrogate(s)						
1,2-Dichloroethane-d4	98.4	73-130	%	1.00	12/04/2004 21:01	
Toluene-d8	98.5	81-114	%	1.00	12/04/2004 21:01	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001/FA20
Conoco Phillips #6129

Received: 11/29/2004 18:20

Site: 3420 35th Ave.

Prep(s): 5030B
Sample ID: **MW-2**
Sampled: 11/23/2004 12:34
Matrix: Water

Test(s): 8260FAB
Lab ID: 2004-11-0841 - 2
Extracted: 12/6/2004 15:48
QC Batch#: 2004/12/06-1A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	53	50	ug/L	1.00	12/06/2004 15:48	Q6
Benzene	ND	0.50	ug/L	1.00	12/06/2004 15:48	
Toluene	ND	0.50	ug/L	1.00	12/06/2004 15:48	
Ethylbenzene	ND	0.50	ug/L	1.00	12/06/2004 15:48	
Total xylenes	ND	1.0	ug/L	1.00	12/06/2004 15:48	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	12/06/2004 15:48	
Methyl tert-butyl ether (MTBE)	4.2	0.50	ug/L	1.00	12/06/2004 15:48	
Di-isopropyl Ether (DIPE)	18	1.0	ug/L	1.00	12/06/2004 15:48	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	12/06/2004 15:48	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	12/06/2004 15:48	
1,2-DCA	ND	0.50	ug/L	1.00	12/06/2004 15:48	
EDB	ND	0.50	ug/L	1.00	12/06/2004 15:48	
Ethanol	ND	50	ug/L	1.00	12/06/2004 15:48	
Surrogate(s)						
1,2-Dichloroethane-d4	95.1	73-130	%	1.00	12/06/2004 15:48	
Toluene-d8	85.8	81-114	%	1.00	12/06/2004 15:48	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001/FA20
Conoco Phillips #6129

Received: 11/29/2004 18:20

Site: 3420 35th Ave.

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

Sample ID: **MW-3**
Lab ID: 2004-11-0841 - 3

Sampled: 11/23/2004 13:05
Extracted: 12/4/2004 21:46

Matrix: Water
QC Batch#: 2004/12/04--2.64

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1500	1000	ug/L	20.00	12/04/2004 21:46	Q6
Benzene	ND	10	ug/L	20.00	12/04/2004 21:46	
Toluene	ND	10	ug/L	20.00	12/04/2004 21:46	
Ethylbenzene	ND	10	ug/L	20.00	12/04/2004 21:46	
Total xylenes	ND	20	ug/L	20.00	12/04/2004 21:46	
tert-Butyl alcohol (TBA)	ND	100	ug/L	20.00	12/04/2004 21:46	
Methyl tert-butyl ether (MTBE)	1800	10	ug/L	20.00	12/04/2004 21:46	
Di-isopropyl Ether (DIPE)	ND	20	ug/L	20.00	12/04/2004 21:46	
Ethyl tert-butyl ether (ETBE)	ND	10	ug/L	20.00	12/04/2004 21:46	
tert-Amyl methyl ether (TAME)	ND	10	ug/L	20.00	12/04/2004 21:46	
1,2-DCA	ND	10	ug/L	20.00	12/04/2004 21:46	
EDB	ND	10	ug/L	20.00	12/04/2004 21:46	
Ethanol	ND	1000	ug/L	20.00	12/04/2004 21:46	
Surrogate(s)						
1,2-Dichloroethane-d4	101.8	73-130	%	20.00	12/04/2004 21:46	
Toluene-d8	98.6	81-114	%	20.00	12/04/2004 21:46	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001/FA20
Conoco Phillips #6129

Received: 11/29/2004 18:20

Site: 3420 35th Ave.

Batch QC Report

Prep(s): 5030B
Method Blank
MB: 2004/12/04--2.64-026

Water

Test(s): 8260FAB
QC Batch # 2004/12/04--2.64
Date Extracted: 12/04/2004 17:26

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	12/04/2004 17:26	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	12/04/2004 17:26	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	12/04/2004 17:26	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	12/04/2004 17:26	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	12/04/2004 17:26	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	12/04/2004 17:26	
1,2-DCA	ND	0.5	ug/L	12/04/2004 17:26	
EDB	ND	0.5	ug/L	12/04/2004 17:26	
Benzene	ND	0.5	ug/L	12/04/2004 17:26	
Toluene	ND	0.5	ug/L	12/04/2004 17:26	
Ethylbenzene	ND	0.5	ug/L	12/04/2004 17:26	
Total xylenes	ND	1.0	ug/L	12/04/2004 17:26	
Ethanol	ND	50	ug/L	12/04/2004 17:26	
Surrogates(s)					
1,2-Dichloroethane-d4	93.7	73-130	%	12/04/2004 17:26	
Toluene-d8	81.2	81-114	%	12/04/2004 17:26	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001/FA20
Conoco Phillips #6129

Received: 11/29/2004 18:20

Site: 3420 35th Ave.

Batch QC Report

Prep(s): 5030B
Method Blank
MB: 2004/12/06-1A.64-023

Water

Test(s): 8260FAB
QC Batch # 2004/12/06-1A.64
Date Extracted: 12/06/2004 07:23

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	12/06/2004 07:23	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	12/06/2004 07:23	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	12/06/2004 07:23	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	12/06/2004 07:23	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	12/06/2004 07:23	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	12/06/2004 07:23	
1,2-DCA	ND	0.5	ug/L	12/06/2004 07:23	
EDB	ND	0.5	ug/L	12/06/2004 07:23	
Benzene	ND	0.5	ug/L	12/06/2004 07:23	
Toluene	ND	0.5	ug/L	12/06/2004 07:23	
Ethylbenzene	ND	0.5	ug/L	12/06/2004 07:23	
Total xylenes	ND	1.0	ug/L	12/06/2004 07:23	
Ethanol	ND	50	ug/L	12/06/2004 07:23	
Surrogates(s)					
1,2-Dichloroethane-d4	99.6	73-130	%	12/06/2004 07:23	
Toluene-d8	91.2	81-114	%	12/06/2004 07:23	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001/FA20
Conoco Phillips #6129

Received: 11/29/2004 18:20

Site: 3420 35th Ave.

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike **Water** **QC Batch # 2004/12/04--2.64**

LCS 2004/12/04--2.64-004 Extracted: 12/04/2004 Analyzed: 12/04/2004 17:04

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	25.1		25	100.4			65-165	20		
Benzene	24.2		25	96.8			69-129	20		
Toluene	24.2		25	96.8			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	470		500	94.0			73-130			
Toluene-d8	455		500	91.0			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001/FA20
Conoco Phillips #6129

Received: 11/29/2004 18:20

Site: 3420 35th Ave.

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike **Water** **QC Batch # 2004/12/06-1A.64**

LCS 2004/12/06-1A.64-001 Extracted: 12/06/2004 Analyzed: 12/06/2004 07:01
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	23.3		25	93.2			65-165	20		
Benzene	22.3		25	89.2			69-129	20		
Toluene	23.0		25	92.0			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	474		500	94.8			73-130			
Toluene-d8	457		500	91.4			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001/FA20
Conoco Phillips #6129

Received: 11/29/2004 18:20

Site: 3420 35th Ave.

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Matrix Spike (MS / MSD) **Water** **QC Batch # 2004/12/04--2.64**

MS/MSD

Lab ID: 2004-11-0840 - 003

MS: 2004/12/04--2.64-016 Extracted: 12/04/2004

Analyzed: 12/04/2004 20:16

Dilution: 1.00

MSD: 2004/12/04--2.64-038 Extracted: 12/04/2004

Analyzed: 12/04/2004 20:38

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	25.5	27.1	ND	25	102.0	108.4	6.1	69-129	20		
Toluene	25.9	27.1	ND	25	103.6	108.4	4.5	70-130	20		
Methyl tert-butyl ether	28.9	28.6	ND	25	115.6	114.4	1.0	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	524	514		500	104.9	102.8		73-130			
Toluene-d8	486	490		500	97.2	98.1		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001/FA20
Conoco Phillips #6129

Received: 11/29/2004 18:20

Site: 3420 35th Ave.

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Matrix Spike (MS / MSD) **Water** **QC Batch # 2004/12/06-1A.64**

MS/MSD

Lab ID: 2004-12-0081 - 001

MS: 2004/12/06-1A.64-028 Extracted: 12/06/2004 Analyzed: 12/06/2004 09:28
Dilution: 1.00

MSD: 2004/12/06-1A.64-051 Extracted: 12/06/2004 Analyzed: 12/06/2004 09:51
Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	25.3	27.4	1.26	25	96.2	109.6	13.0	65-165	20		
Benzene	23.5	25.6	ND	25	94.0	102.4	8.6	69-129	20		
Toluene	22.8	25.2	ND	25	91.2	100.8	10.0	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	475	464		500	95.0	92.8		73-130			
Toluene-d8	446	458		500	89.2	91.6		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

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

Project: 41050001/FA20
Conoco Phillips #6129

Received: 11/29/2004 18:20

Site: 3420 35th Ave.

Legend and Notes

Analysis Flag

L2

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

Result Flag

Q6

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

SEVERN TRENT STL

STL San Francisco

Sample Receipt Checklist

Submission #:2004- 11 - 0841

Checklist completed by: (initials) DSH Date: 11 / 30 /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° C ± 2)?	Temp: 2 °C	Yes ✓	No____
Potential reason for > 6°C: Ice melted ☐, Ice in bags ☐, Not enough ice ☐, Not enough blue ice ☐, Samples in boxes ☐, Sampled < 4hr ago? ☐, Ice not required (e.g. air or bulk sample) ☐	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):

ConocoPhillips Chain Of Custody Record

96080

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 [illegible] 92704

2004-11-0841

ConocoPhillips Work Order Number

ConocoPhillips Cost Object

DATE: 11/23/04

PAGE: 1 of 1

SAMPLING COMPANY: TRC	Valid Value ID:	CONOCOPHILLIPS SITE NUMBER: 6129	GLOBAL ID NO.: T0600101465
ADDRESS: 21 Technology Drive, Irvine CA 92618		SITE ADDRESS (Street and City): 3420 35th Ave.	CONOCOPHILLIPS SITE MANAGER: Adrian Collins
PROJECT CONTACT (Hardcopy or PDF Report to): Anju Farfan		EDF DELIVERABLE TO (RP or Designee): Peter Thomson, TRC pthomson@trcsolutions.com	PHONE NO.: 949-341-7408
TELEPHONE: 949-341-7440 / FAX: 949-753-0111 / E-MAIL: afarfan@trcsolutions.com			E-MAIL: / LAB USE ONLY
SAMPLER NAME(S) (Print): Branden Brinson	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	TPPH	BTEX	8 OXYS by 8260B														
	MW-1	11/23	1050	GW	3									↓	↓	↓														
	MW-2	↓	1058	↓	↓																									
	MW-3	↓	1104	↓	↓																									

FIELD NOTES:

Container/Preservative or PID Readings or Laboratory Notes

TEMPERATURE ON RECEIPT C°: 2

3 VOAs ↓

Relinquished by: (Signature)	Received by: (Signature) Fridge	Date: 11/23/04	Time: 1409
Relinquished by: (Signature)	Received by: (Signature)	Date: 11/29/04	Time: 1055
Relinquished by (Signature) 11/29/04 1820	Received by (Signature)	Date: 11/29/04	Time: 18:20

9/19/03 Revision

STATEMENTS

Purge Water Disposal

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