RO243

ConocoPhillips

76 Broadway
Sacramento, CA 95818
phone 916.558.7676
fax 916.558.7639

October 29, 2004

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

Re: **Document Transmittal**
Fuel Leak Case
76 Station #0018
6201 Claremont Avenue
Oakland, CA

Dear Mr. Hwang:

Please find attached TRC's *Quarterly Status Report, dated 10/29/04,* and TRC's *Quarterly Monitoring Report, dated 10/20/04* for the above referenced site. I declare, under penalty of perjury, that to the best of my knowledge the information and/or recommendations contained in the attached proposal or report is true and correct.

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

Sincerely,

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

Attachment
cc: Roger Batra, TRC

RO 243

TRC

Customer-Focused Solutions

October 29, 2004 TRC Project No. 42016501

Mr. Don Hwang
Alameda County Health Services
1131 Harbor Bay Parkway
Alameda, California 94502-6577

RE: Quarterly Status Report – Third Quarter 2004
76 Service Station #0018, 6201 Claremont Avenue, Oakland, California
Alameda County

Dear Mr. Hwang:

On behalf of ConocoPhillips Company (ConocoPhillips), TRC is submitting the Third Quarter 2004 Quarterly Status Report for the subject site, shown on the attached Figures 3 through 5.

PREVIOUS ASSESSMENTS

The subject site is an active service station located on the northern corner of the intersection of Claremont and College Avenues in Oakland, California. The nearest surface water is Claremont Creek, approximately 0.1 mile northeast of the site.

March 1997: Kaprealian Engineering Inc. (KEI) collected soil and grab groundwater samples during underground storage tank (UST) and product line replacement activities. A groundwater sample collected from the former gasoline UST excavation contained 6,100 parts per billion (ppb) total petroleum hydrocarbons as gasoline and 54 ppb benzene.

March 1998: Tosco was issued a Notice of Responsibility by the Alameda County Health Care Services Agency.

December 2000: Gettler-Ryan Inc. installed three groundwater-monitoring wells to depths of 30 to 30.5 feet below ground surface (bgs). Groundwater samples contained low maximum concentrations of total petroleum hydrocarbons calculated as gasoline, benzene, and methyl tertiary butyl ether (MTBE).

October 2003: Site environmental consulting responsibilities were transferred to TRC.

SENSITIVE RECEPTORS

Surface water Claremont Creek is located 0.1 miles northeast of the site. A sensitive receptor survey has not been performed for this site.

1590 Solano Way, Suite A • Concord, California 94520
Telephone 925-688-1200 • Fax 925-688-0388

MONITORING AND SAMPLING

Three onsite wells are currently monitored quarterly. The groundwater gradient and flow direction were 0.02 foot/foot to the west. The groundwater gradient and flow direction were generally consistent with recent historical data.

CHARACTERIZATION STATUS

Total purgeable petroleum hydrocarbons (TPPH) were detected in monitoring well MW-1 at a concentration of 100 micrograms per liter (µg/l). TPPH was not detected above the reporting limit in the other wells sampled this quarter. These levels were consistent with recent historical data.

Benzene was not detected above the reporting limit in any of the wells sampled this quarter. These levels were generally consistent with recent historical data.

MTBE was detected in two of three monitoring wells, with a maximum concentration of 21 µg/l in monitoring well MW-1. These levels were generally consistent with recent historical data.

REMEDIATION STATUS

Remediation is not currently being conducted at the site.

RECENT CORRESPONDENCE

No correspondence this quarter.

CURRENT QUARTER ACTIVITIES

August 27, 2004: TRC performed groundwater monitoring and sampling. Wastewater generated from well purging and equipment cleaning was stored at TRC's groundwater monitoring facility in Concord, California, and transported by Onyx to the ConocoPhillips Refinery in Rodeo, California, for treatment and disposal.

NEXT QUARTER ACTIVITIES

Await agency directives for additional assessment work, if any.

Continue quarterly monitoring and sampling to assess plume stability and concentration trends at key wells.

If you have any questions regarding this report, please call me at (925) 688-2466.

Sincerely,

TRC

Roger Batra

Roger Batra
Senior Project Manager

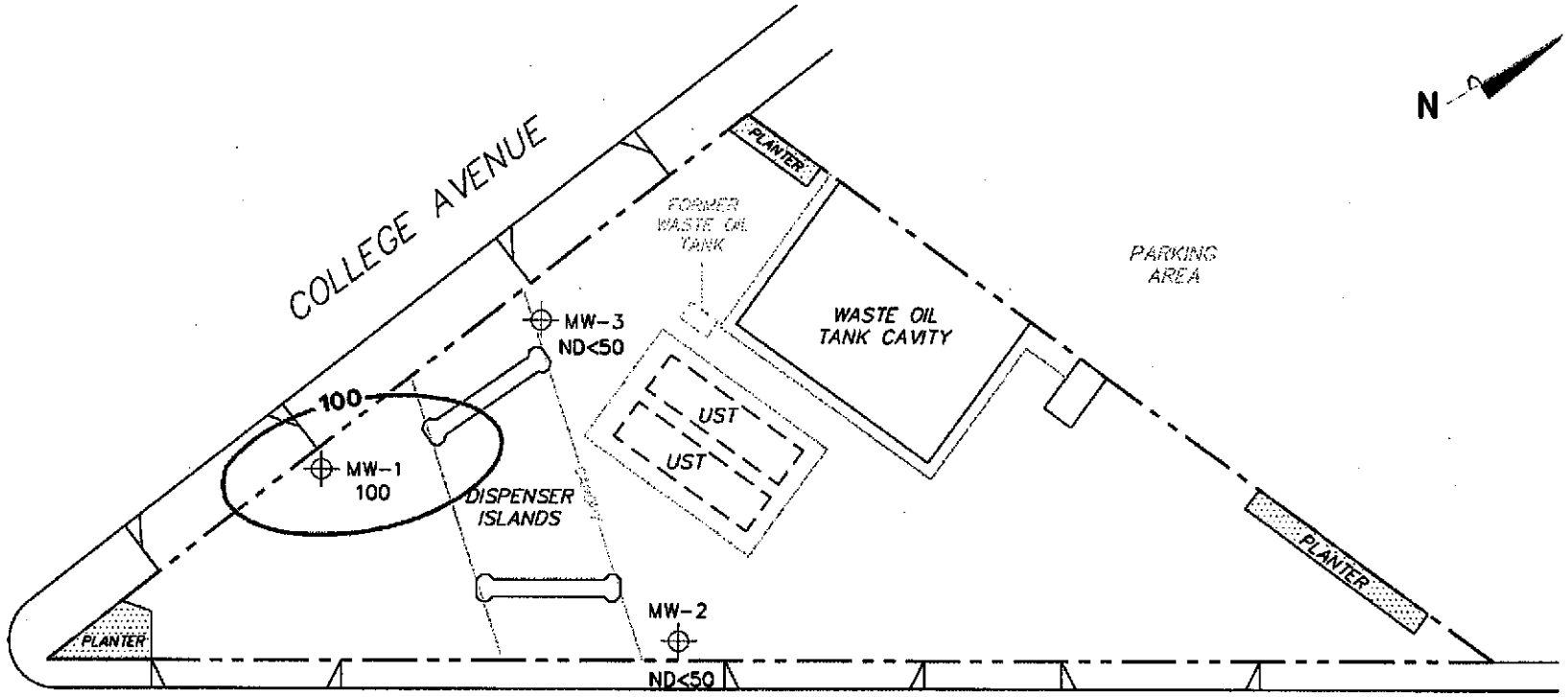
Attachments:

Figure 3 – Dissolved Phase TPPH Concentrations Map, August 27, 2004, from Quarterly Monitoring Report July through September 2004, dated October 20, 2004 by TRC.

Figure 4 – Dissolved Phase Benzene Concentrations Map, August 27, 2004, from Quarterly Monitoring Report July through September 2004, dated October 20, 2004 by TRC.

Figure 5 – Dissolved Phase MTBE Concentrations Map, August 27, 2004, from Quarterly Monitoring Report July through September 2004, dated October 20, 2004 by TRC.

cc: Thomas Kosel, ConocoPhillips (hard copy and electronic upload)



SCALE (FEET)

0 40

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-3 ⊕ Monitoring Well with Dissolved-Phase Hydrocarbon Concentrations (µg/l)

100 Dissolved-Phase TPPH Contour (µg/l)

DISSOLVED-PHASE TPPH CONCENTRATIONS MAP
August 27, 2004

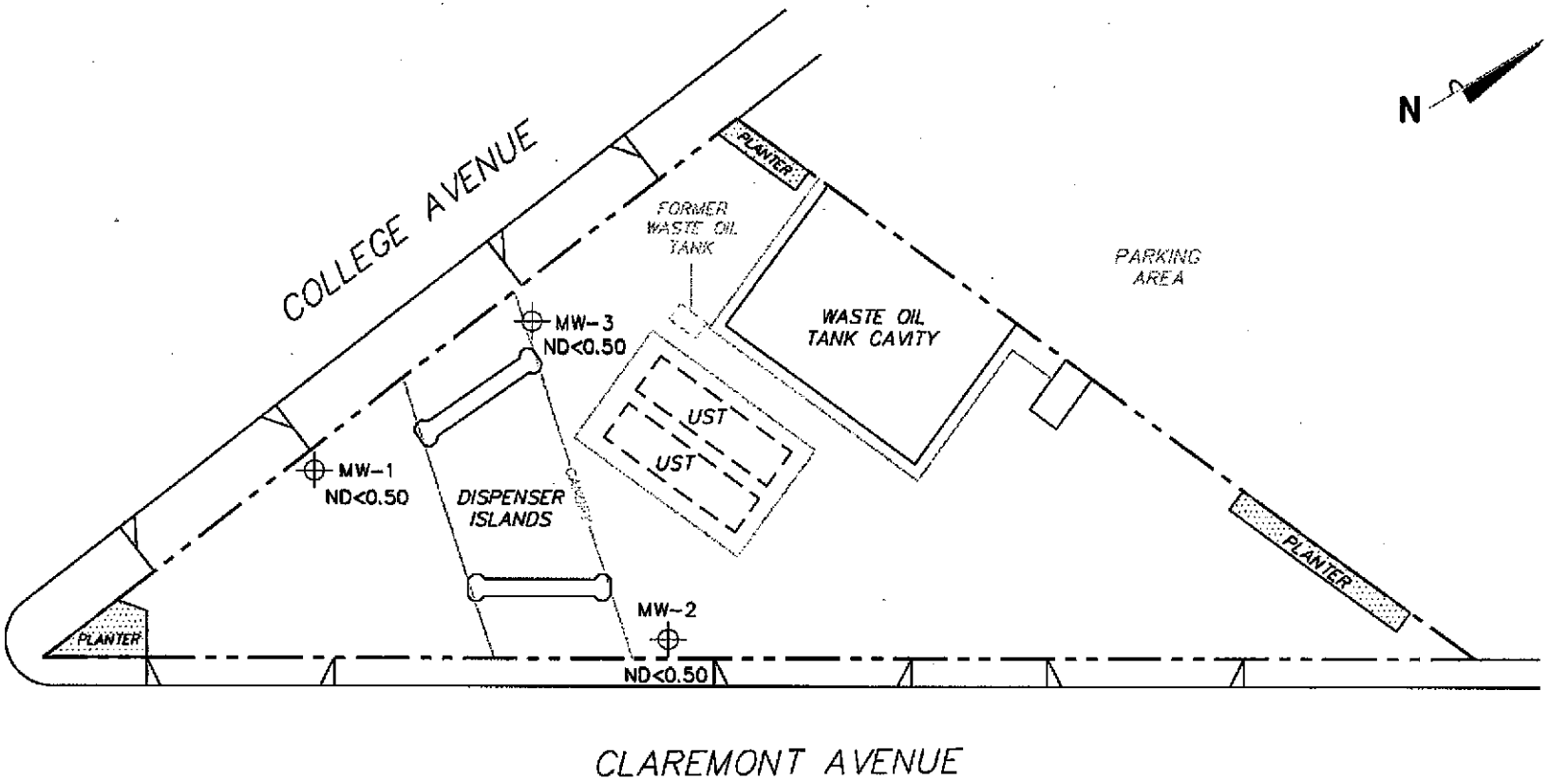
76 Station 0018
6201 Claremont Avenue
Oakland, California

FIGURE 3

TRC

PS=1:1 0018-003

Graphics on Ir1(li:)\GRAPHICS\Projects By...\20-xxxx\20-0400\x-0000\0018\0018+/0018qms.dwg 9/22/04 rbs



SCALE (FEET)

0 40

DISSOLVED-PHASE BENZENE CONCENTRATIONS MAP
August 27, 2004

76 Station 0018
6201 Claremont Avenue
Oakland, California

FIGURE 4

NOTES:

B = benzene. 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.

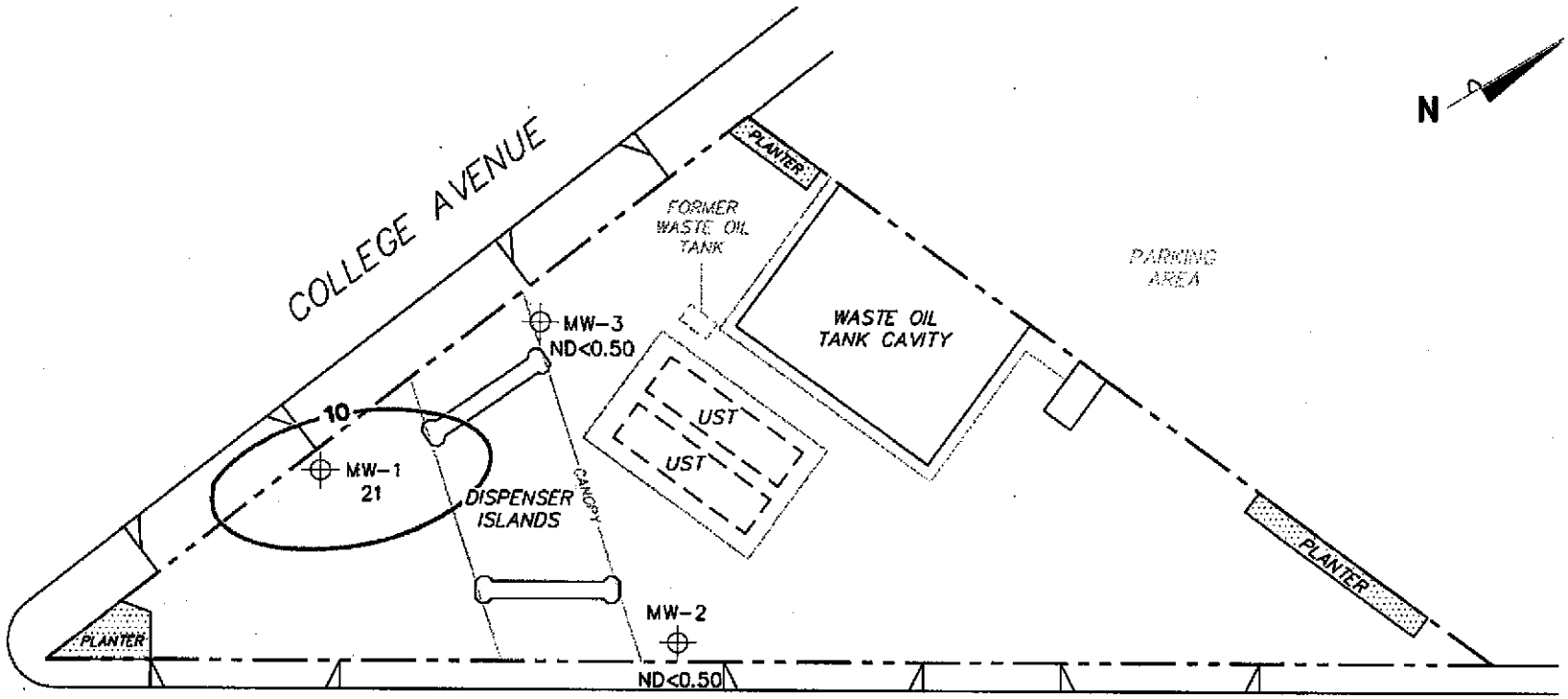
LEGEND

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

TRC

PS=1:1 0018-003

Graphics on Ir1(li:)\GRAPHICS\Projects By...\20-xxxx\20-0400\x-0000\0018\0018+/0018qms.dwg 9/22/04 rbs



SCALE (FEET)

0 40

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.

LEGEND

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

10 Dissolved-Phase MTBE Contour (µg/l)

DISSOLVED-PHASE MTBE CONCENTRATIONS MAP
August 27, 2004

76 Station 0018
6201 Claremont Avenue
Oakland, California

FIGURE 5

TRC

PS=1:1 0018-003

Graphics on Ir1(li:)\GRAPHICS\Projects By...\20-xxxx\20-0400\x-0000\0018\0018+/0018qms.dwg 9/22/04 rbs

R0243

TRC

Customer-Focused Solutions

October 20, 2004

ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

ATTN: MR. THOMAS H. KOSEL

SITE: 76 STATION 0018
6201 CLAREMONT AVENUE
OAKLAND, CALIFORNIA

RE: QUARTERLY MONITORING REPORT
JULY THROUGH SEPTEMBER 2004

Dear Mr. Kosel:

Please find enclosed our Quarterly Monitoring Report for 76 Station 0018, located at 6201 Claremont 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. Roger Batra, TRC (2 copies)

Enclosures
20-0400/0018R04.QMS

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

TRC

Customer-Focused Solutions

QUARTERLY MONITORING REPORT
JULY THROUGH SEPTEMBER 2004

76 Station 0018
6201 Claremont Avenue
Oakland, California

Prepared For:

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

By:

Senior Project Geologist, Irvine Operations
October 5, 2004

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
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
July 2004 through September 2004
76 Station 0018
6201 Claremont Boulevard
Oakland, CA

Project Coordinator: **Thomas H. Kosel**
Telephone: **916-558-7666**
Water Sampling Contractor: ***TRC***
Compiled by: **Valentina Tobon**
Date(s) of Gauging/Sampling Event: **8/27/04**

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: **19.4 feet** Maximum: **19.7 feet**
Average groundwater elevation (relative to available local datum): **189.55 feet**
Average change in groundwater elevation since previous event: **-2.48 feet**
Interpreted groundwater gradient and flow direction:
Current event: **0.02 ft/ft, west**
Previous event: **0.01 ft/ft, Southwest (5/7/04)**

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** **1** Maximum: **100 µg/l (MW-1)**
Wells with **MTBE** **1** Maximum: **21 µg/l (MW-1)**

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. equivalent 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.

REFERENCE

TRC began groundwater monitoring and sampling for 76 Station 0018 in October 2003. Historical data compiled prior to that time were provided by Gettler-Ryan Inc.

Table 1

CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 27, 2004

76 Station 0018

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-1		**(Screen Interval in feet: 10.0-30.0)**												
08/27/04	208.15	19.40	0.00	188.75	-2.66	--	100	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	21	
MW-2		**(Screen Interval in feet: 10.0-30.0)**												
08/27/04	210.27	19.66	0.00	190.61	-1.87	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-3		**(Screen Interval in feet: 10.0-30.0)**												
08/27/04	208.98	19.70	0.00	189.28	-2.91	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 2000 Through August 2004

76 Station 0018

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-1	**(Screen Interval in feet: 10.0-30.0)**													
02/09/01	208.15	20.16	0.00	187.99	--	330	--	1.3	ND	1.0	4.6	140	150	
05/11/01	208.15	17.68	0.00	190.47	2.48	1250	--	ND	ND	ND	ND	145	122	
08/10/01	208.15	20.38	0.00	187.77	-2.70	580	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	110	150	
11/07/01	208.15	22.68	0.00	185.47	-2.30	250	--	ND<0.50	1.5	ND<0.50	ND<0.50	120	100	
02/06/02	208.15	16.20	0.00	191.95	6.48	790	--	ND<2.5	12	8.8	ND<2.5	90	72	
05/08/02	208.15	17.54	0.00	190.61	-1.34	890	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	87	81	
08/09/02	208.15	20.21	0.00	187.94	-2.67	450	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	100	100	
11/29/02	208.15	22.33	0.00	185.82	-2.12	110	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	72	72	
02/03/03	208.15	16.41	0.00	191.74	5.92	540	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	40	40	
05/05/03	208.15	16.09	0.00	192.06	0.32	670	--	ND<2.5	ND<2.5	ND<2.5	ND<5.0	57	57	
09/04/03	208.15	21.46	0.00	186.69	-5.37	--	--	--	--	--	--	--	--	No analysis; past holding time
11/13/03	208.15	21.52	0.00	186.63	-0.06	--	97	ND<0.50	5.0	0.82	3.5	--	29	
01/29/04	208.15	17.51	0.00	190.64	4.01	--	520	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	44	
05/07/04	208.15	16.74	0.00	191.41	0.77	--	180	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	25	
08/27/04	208.15	19.40	0.00	188.75	-2.66	--	100	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	21	
MW-2	**(Screen Interval in feet: 10.0-30.0)**													
08/24/00	210.27	19.69	0.00	190.58	--	ND	--	ND	ND	ND	ND	ND	ND	
11/16/00	210.27	21.61	0.00	188.66	-1.92	ND	--	ND	ND	ND	ND	ND	ND	
02/09/01	210.27	21.52	0.00	188.75	0.09	ND	--	ND	ND	ND	ND	ND	ND	
05/11/01	210.27	18.76	0.00	191.51	2.76	ND	--	ND	ND	ND	ND	ND	ND	
08/10/01	210.27	21.65	0.00	188.62	-2.89	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
11/07/01	210.27	24.25	0.00	186.02	-2.60	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<1.0	
02/06/02	210.27	18.22	0.00	192.05	6.03	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
05/08/02	210.27	18.63	0.00	191.64	-0.41	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 2000 Through August 2004

76 Station 0018

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-2 continued														
08/09/02	210.27	21.53	0.00	188.74	-2.90	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<2.0	
11/29/02	210.27	23.73	0.00	186.54	-2.20	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<2.0	
02/03/03	210.27	17.43	0.00	192.84	6.30	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<2.0	
05/05/03	210.27	17.15	0.00	193.12	0.28	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<2.0	
09/04/03	210.27	22.75	0.00	187.52	-5.60	--	--	--	--	--	--	--	--	No analysis; past holding time
11/13/03	210.27	23.02	0.00	187.25	-0.27	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
01/29/04	210.27	18.73	0.00	191.54	4.29	--	ND<50	0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
05/07/04	210.27	17.79	0.00	192.48	0.94	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
08/27/04	210.27	19.66	0.00	190.61	-1.87	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-3	**(Screen Interval in feet: 10.0-30.0)**													
08/24/00	208.98	18.68	0.00	190.30	--	ND	--	ND	ND	ND	ND	4.7/2.32	2.3	
11/16/00	208.98	20.56	0.00	188.42	-1.88	ND	--	ND	ND	ND	ND	ND	ND	
02/09/01	208.98	20.45	0.00	188.53	0.11	ND	--	ND	ND	ND	ND	ND	ND	
05/11/01	208.98	17.75	0.00	191.23	2.70	ND	--	ND	ND	ND	ND	ND	ND	
08/10/01	208.98	20.70	0.00	188.28	-2.95	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
11/07/01	208.98	23.02	0.00	185.96	-2.32	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	1.5	
02/06/02	208.98	17.19	0.00	191.79	5.83	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
05/08/02	208.98	17.59	0.00	191.39	-0.40	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
08/09/02	208.98	20.48	0.00	188.50	-2.89	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<2.0	
11/29/02	208.98	22.64	0.00	186.34	-2.16	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<2.0	
02/03/03	208.98	16.46	0.00	192.52	6.18	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	ND<2.0	
05/05/03	208.98	16.16	0.00	192.82	0.30	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	2.6	2.6	
09/04/03	208.98	21.71	0.00	187.27	-5.55	--	--	--	--	--	--	--	--	No analysis; past holding time
11/13/03	208.98	21.93	0.00	187.05	-0.22	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 2000 Through August 2004

76 Station 0018

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-3 continued														
01/29/04	208.98	17.79	0.00	191.19	4.14	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
05/07/04	208.98	16.79	0.00	192.19	1.00	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.55	
08/27/04	208.98	19.70	0.00	189.28	-2.91	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	

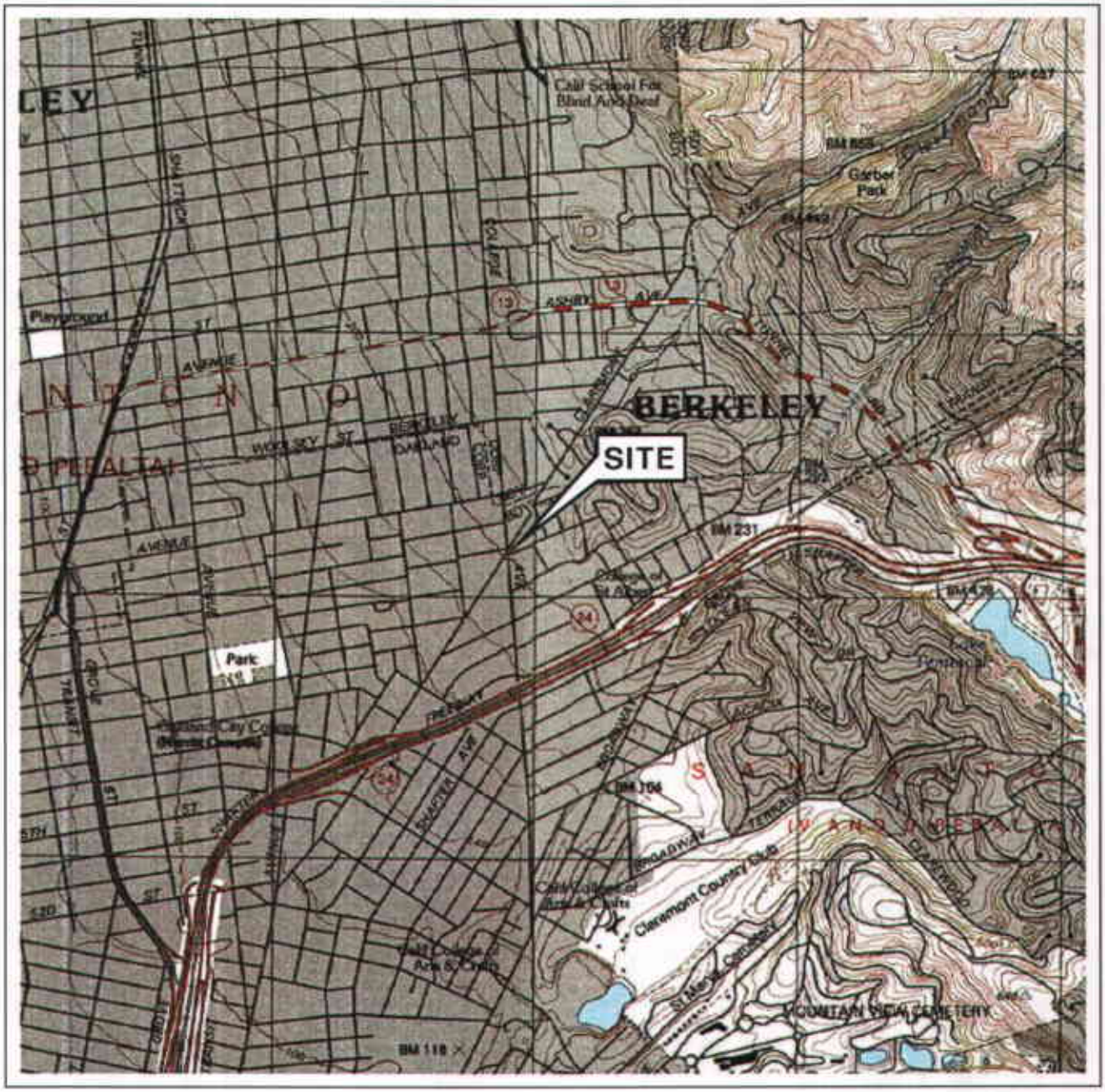
Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 0018

Date Sampled	EDC	EDB	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8015B	Ethanol 8260B
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(µg/l)
MW-1								
02/09/01	ND	ND	ND	ND	ND	ND	--	ND
05/11/01	ND	ND	ND	ND	ND	ND	--	ND
08/10/01	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	--	ND<1,000
11/07/01	ND<1.0	ND<1.0	ND<1.0	ND<20	ND<1.0	ND<1.0	--	ND<500
02/06/02	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	--	ND<500
05/08/02	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	--	ND<500
08/09/02	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	--	ND<500
11/29/02	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	--	ND<500
02/03/03	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	--	ND<500
05/05/03	ND<10	ND<10	ND<10	ND<500	ND<10	ND<10	--	ND<2,500
11/13/03	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	--	ND<500
01/29/04	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	--	ND<500
05/07/04	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<1.0	ND<0.50	--	ND<50
08/27/04	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<1.0	ND<0.50	--	ND<50
MW-2								
08/24/00	--	--	ND	ND	ND	ND	--	ND
11/16/00	--	--	ND	ND	ND	ND	--	ND
02/09/01	ND	ND	ND	ND	ND	ND	--	ND
05/11/01	ND	ND	ND	ND	ND	ND	--	ND
08/10/01	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	--	ND<1,000
11/07/01	ND<1.0	ND<1.0	ND<1.0	ND<20	ND<1.0	ND<1.0	--	ND<500
11/13/03	--	--	--	--	--	--	--	ND<500
01/29/04	--	--	--	--	--	--	--	ND<500
05/07/04	--	--	--	--	--	--	--	ND<50
08/27/04	--	--	--	--	--	--	--	ND<50
MW-3								

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 0018

Date Sampled	EDC	EDB	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8015B	Ethanol 8260B
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(µg/l)
MW-3 continued								
08/24/00	--	--	ND	ND	ND	ND	ND	--
11/16/00	--	--	ND	ND	ND	ND	ND	--
02/09/01	--	--	ND	ND	ND	ND	ND	--
05/11/01	--	--	ND	ND	ND	ND	ND	--
08/10/01	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<1,000	--
11/07/01	--	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<500	--
08/09/02	ND	ND	--	--	--	--	--	--
11/29/02	ND	ND	--	--	--	--	--	--
02/03/03	ND<2.0	ND<2.0	--	--	--	--	--	--
05/05/03	ND<1.0	ND<1.0	--	--	--	--	--	--
11/13/03	--	--	--	--	--	--	--	ND<500
01/29/04	--	--	--	--	--	--	--	ND<500
05/07/04	--	--	--	--	--	--	--	ND<50
08/27/04	--	--	--	--	--	--	--	ND<50

FIGURES



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

SCALE 1:24,000

N

SOURCE:

United States Geological Survey
7.5 Minute Topographic Map:
Oakland East & Oakland West
Quadrangles

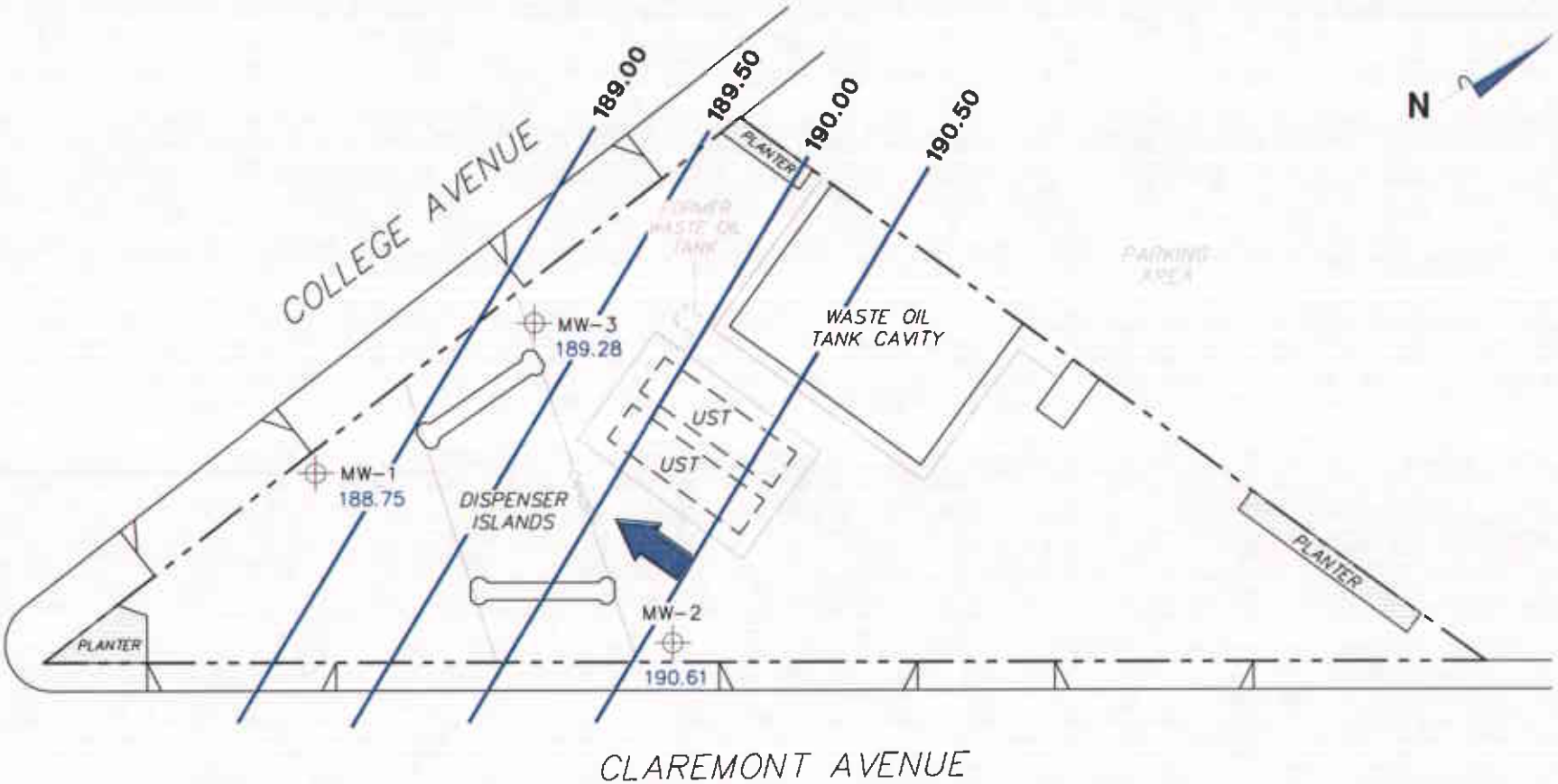
VICINITY MAP

76 Station 0018
6201 Claremont Avenue
Oakland, California

FIGURE 1

PS = 1:1

Graphics on Iri(:)\VICINITY MAPS\0018vm.dwg 11/11/03 blw



SCALE (FEET)

0 40

LEGEND

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

190.50 —— 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.

TRC

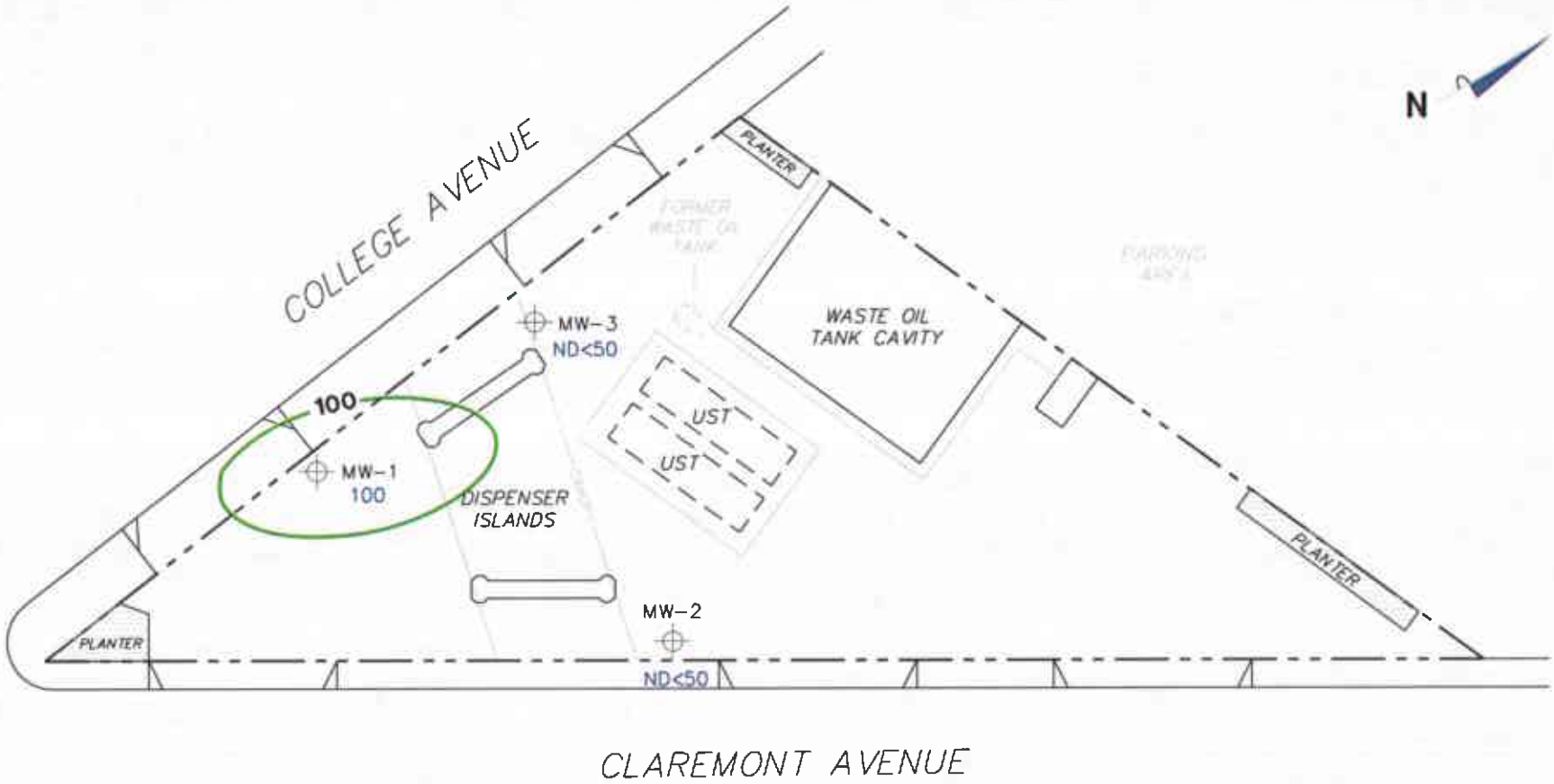
GROUNDWATER ELEVATION CONTOUR MAP
August 27, 2004

76 Station 0018
6201 Claremont Avenue
Oakland, California

FIGURE 2

PS=1:1 0018-003

Graphics on Ir1(lt:)\GRAPHICS\Projects By... \20-xxxx\20-0400\x-0000\0018\0018+/0018qms.dwg 9/22/04 rbs



SCALE (FEET)

0 40

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-3 ⊕ Monitoring Well with Dissolved-Phase Hydrocarbon Concentrations (µg/l)

100 Dissolved-Phase TPPH Contour (µg/l)

DISSOLVED-PHASE TPPH CONCENTRATIONS MAP
August 27, 2004

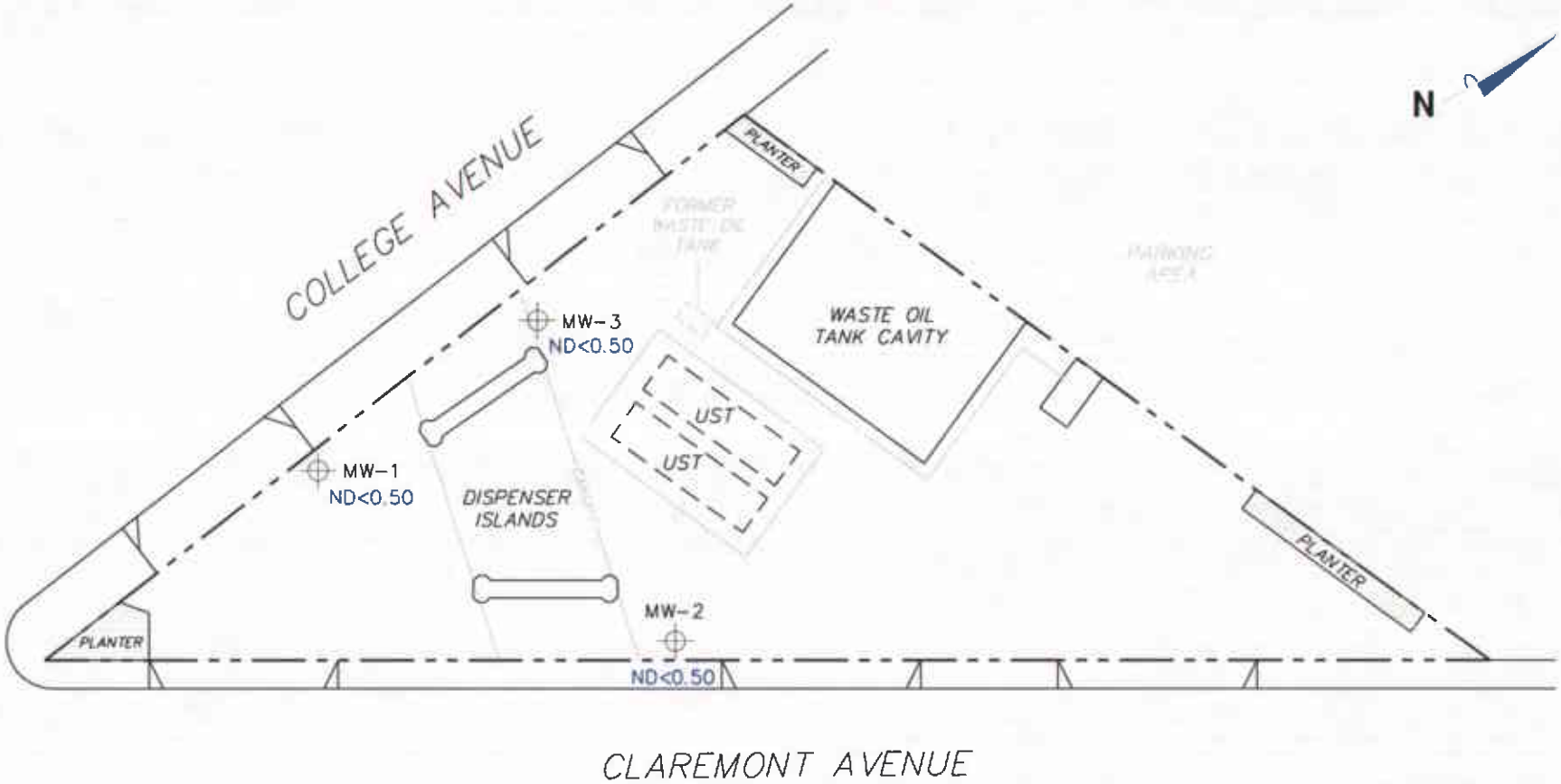
76 Station 0018
6201 Claremont Avenue
Oakland, California

FIGURE 3

TRC

PS=1:1 0018-003

Graphics on Ir1(li:)\GRAPHICS\Projects By...\20-xxxx\20-0400\x-0000\0018\0018+/0018qms.dwg 9/22/04 rbs



SCALE (FEET)

0 40

DISSOLVED-PHASE BENZENE CONCENTRATIONS MAP
August 27, 2004

NOTES:

B = benzene. 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-3 ⊕ Monitoring Well with Dissolved-Phase Benzene Concentrations (µg/l)

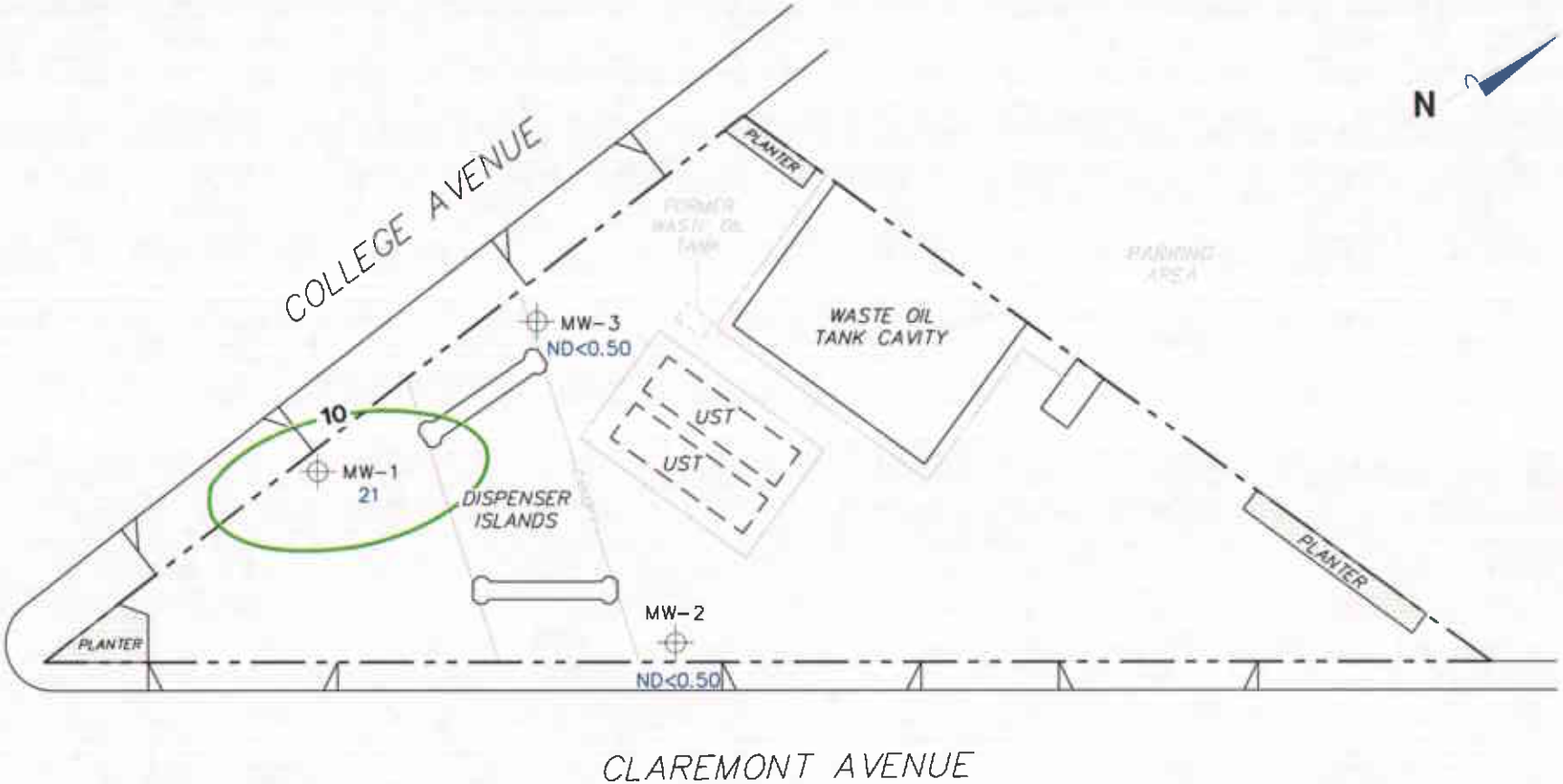
76 Station 0018
6201 Claremont Avenue
Oakland, California

FIGURE 4

TRC

PS=1:1 0018-003

Graphics on Ir1(I:)\GRAPHICS\Projects By...\20-xxxx\20-0400\x-0000\0018\0018+/0018gms.dwg 9/22/04 rbs



SCALE (FEET)

0 40

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.

LEGEND

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

10 Dissolved-Phase MTBE Contour (µg/l)

DISSOLVED-PHASE MTBE CONCENTRATIONS MAP
August 27, 2004

76 Station 0018
6201 Claremont Avenue
Oakland, California

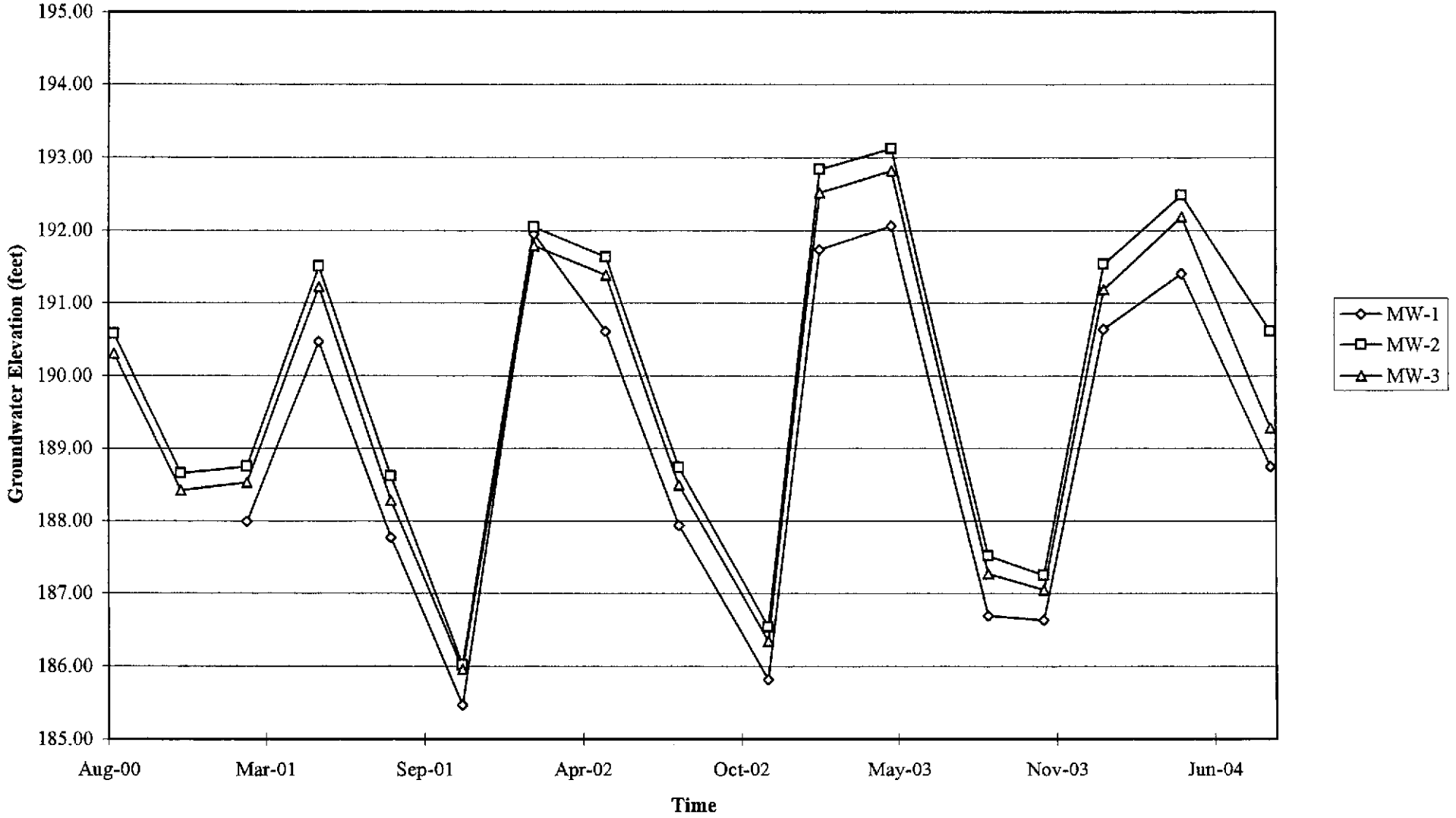
FIGURE 5

PS=1:1 0018-003

Graphics on Ir1(lic)\GRAPHICS\Projects By...\20-xxxx\20-0400\x-0000\0018\0018+/0018qms.dwg 9/22/04 rbs

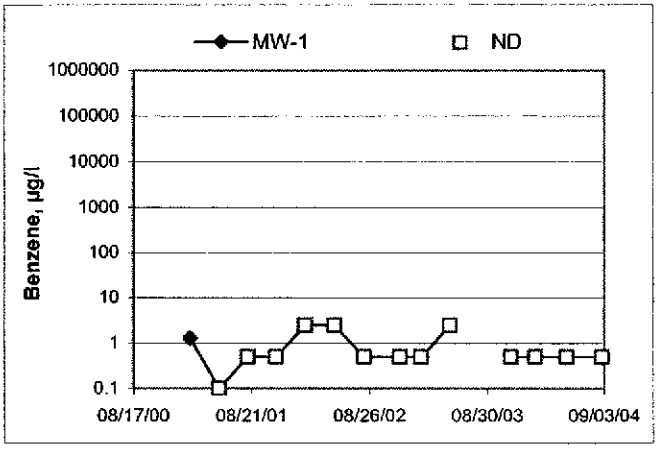
GRAPHS

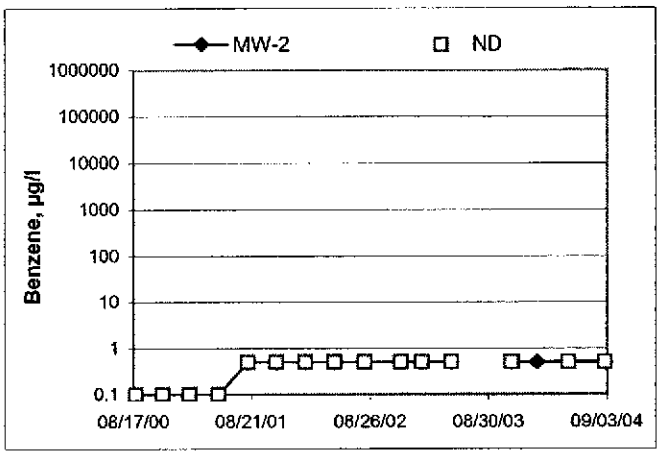
Groundwater Elevations vs. Time
76 Station 0018

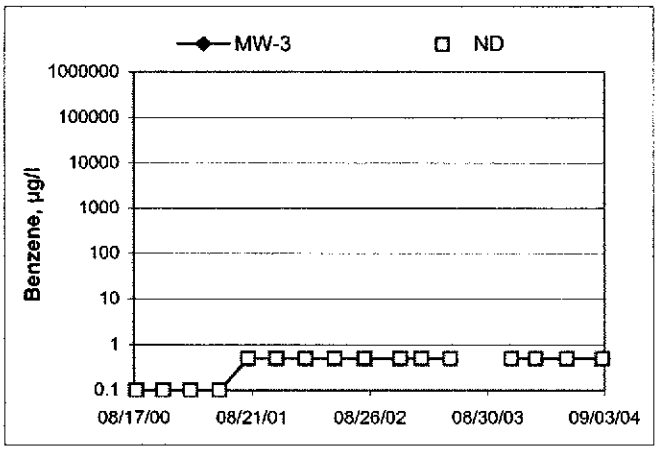


Benzene Concentrations vs Time

76 Station 0018







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: J. KEARNS Job #/Task #: 41050001 / FA20 Date: 8/27/04

Site # 0018 Project Manager BARBARA MOED Page 1 of 1

Well #	TOC	Time Gauged	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
MW-2	✓	0723	29.56	19.66	Ø	Ø	1753	2"
MW-3	✓	0731	29.89	19.70	Ø	Ø	0810	2"
MW-1	✓	0734	29.72	19.40	Ø	Ø	0820	2"

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

WTT CERTIFICATE MANIFEST DRUM INVENTORY ✓ TRAFFIC CONTROL

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: J. KEARNS

Site: 2018 Project No.: 41050201 Date: 8/27/04

Well No.: MW-2 Purge Method: DIA

Depth to Water (feet): 19.66 Depth to Product (feet): 0

Total Depth (feet): 29.56 LPH & Water Recovered (gallons): 0

Water Column (feet): 9.90 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 21.64 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.
0743			2	396	18.6	6.59		
			4	379	18.7	6.67		
	0746		6	378	18.9	6.60		

Static at Time Sampled	Total Gallons Purged	Time Sampled
20.79	6	0753

Comments:

Well No.: MW-3 Purge Method: DIA

Depth to Water (feet): 19.70 Depth to Product (feet): 0

Total Depth (feet): 29.89 LPH & Water Recovered (gallons): 0

Water Column (feet): 10.19 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 21.74 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.
0800			2	591	18.7	6.55		
			4	593	18.9	6.54		
	0804		6	594	18.9	6.55		

Static at Time Sampled	Total Gallons Purged	Time Sampled
21.73	6	0810

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: J. KEARNS

Site: 2018 Project No.: 41050001 Date: 8/27/04

Well No.: MW-1
Depth to Water (feet): 19.40
Total Depth (feet): 29.72
Water Column (feet): 10.32
80% Recharge Depth (feet): 21.46

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

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F,C)	pH	Turbidity	D.O.
0818			2	980	19.8	6.66		
			4	988	20.1	6.69		
	0822		6	978	20.0	6.75		

Static at Time Sampled		Total Gallons Purged	Time Sampled
21.40		6	0820

Comments:

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

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

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

Static at Time Sampled		Total Gallons Purged	Time Sampled

Comments:

SEVERN TRENT STL

Submission#: 2004-08-0758

TRC Alton Geoscience- Irvine

September 13, 2004

21 Technology Drive
Irvine, CA 92718

Attn.: Anju Farfan

Project#: 41050001/FA20
Project: Conoco Phillips #0018
Site: 6201 Claremont Ave., Oakland

Attached is our report for your samples received on 08/27/2004 10:05
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 10/11/2004 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,

Dimple Sharma
Project Manager

SEVERN TRENT STL

Submission: 2004-08-0758

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 #0018

Received: 08/27/2004 10:05

Site: 6201 Claremont Ave., Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-2	08/27/2004 07:53	Water	1
MW-3	08/27/2004 08:10	Water	2
MW-1	08/27/2004 08:20	Water	3

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 #0018

Received: 08/27/2004 10:05

Site: 6201 Claremont Ave., Oakland

Prep(s): 5030B
Test(s): 8260FAB
Sample ID: **MW-2**
Lab ID: 2004-08-0758 - 1
Sampled: 08/27/2004 07:53
Extracted: 9/9/2004 02:08
Matrix: Water
QC Batch#: 2004/09/08-2B.64
Analysis Flag: ,gs (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/09/2004 02:08	
Benzene	ND	0.50	ug/L	1.00	09/09/2004 02:08	
Toluene	ND	0.50	ug/L	1.00	09/09/2004 02:08	
Ethylbenzene	ND	0.50	ug/L	1.00	09/09/2004 02:08	
Total xylenes	ND	1.0	ug/L	1.00	09/09/2004 02:08	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	09/09/2004 02:08	
Ethanol	ND	50	ug/L	1.00	09/09/2004 02:08	
Surrogate(s)						
1,2-Dichloroethane-d4	116.6	72-128	%	1.00	09/09/2004 02:08	
Toluene-d8	100.7	80-113	%	1.00	09/09/2004 02:08	

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 #0018

Received: 08/27/2004 10:05

Site: 6201 Claremont Ave., Oakland

Prep(s): 5030B
Sample ID: **MW-3**
Sampled: 08/27/2004 08:10
Matrix: Water

Test(s): 8260FAB
Lab ID: 2004-08-0758 - 2
Extracted: 9/9/2004 02:30
QC Batch#: 2004/09/08-2B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/09/2004 02:30	
Benzene	ND	0.50	ug/L	1.00	09/09/2004 02:30	
Toluene	ND	0.50	ug/L	1.00	09/09/2004 02:30	
Ethylbenzene	ND	0.50	ug/L	1.00	09/09/2004 02:30	
Total xylenes	ND	1.0	ug/L	1.00	09/09/2004 02:30	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	09/09/2004 02:30	
Ethanol	ND	50	ug/L	1.00	09/09/2004 02:30	
Surrogate(s)						
1,2-Dichloroethane-d4	116.3	72-128	%	1.00	09/09/2004 02:30	
Toluene-d8	105.1	80-113	%	1.00	09/09/2004 02:30	

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 #0018

Received: 08/27/2004 10:05

Site: 6201 Claremont Ave., Oakland

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**MW-1**	Lab ID:	2004-08-0758 - 3
Sampled:	08/27/2004 08:20	Extracted:	9/9/2004 02:52
Matrix:	Water	QC Batch#:	2004/09/08-2B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	100	50	ug/L	1.00	09/09/2004 02:52	dp
Benzene	ND	0.50	ug/L	1.00	09/09/2004 02:52	
Toluene	ND	0.50	ug/L	1.00	09/09/2004 02:52	
Ethylbenzene	ND	0.50	ug/L	1.00	09/09/2004 02:52	
Total xylenes	ND	1.0	ug/L	1.00	09/09/2004 02:52	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	09/09/2004 02:52	
Methyl tert-butyl ether (MTBE)	21	0.50	ug/L	1.00	09/09/2004 02:52	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	09/09/2004 02:52	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	09/09/2004 02:52	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	09/09/2004 02:52	
1,2-DCA	ND	0.50	ug/L	1.00	09/09/2004 02:52	
EDB	ND	0.50	ug/L	1.00	09/09/2004 02:52	
Ethanol	ND	50	ug/L	1.00	09/09/2004 02:52	
Surrogate(s)						
1,2-Dichloroethane-d4	117.9	72-128	%	1.00	09/09/2004 02:52	
Toluene-d8	103.9	80-113	%	1.00	09/09/2004 02:52	

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 #0018

Received: 08/27/2004 10:05

Site: 6201 Claremont Ave., Oakland

Batch QC Report

Prep(s): 5030B
Method Blank

Water

Test(s): 8260FAB
QC Batch # 2004/09/08-2B.64

MB: 2004/09/08-2B.64-035

Date Extracted: 09/08/2004 18:35

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	09/08/2004 18:35	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	09/08/2004 18:35	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	09/08/2004 18:35	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	09/08/2004 18:35	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	09/08/2004 18:35	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	09/08/2004 18:35	
1,2-DCA	ND	0.5	ug/L	09/08/2004 18:35	
EDB	ND	0.5	ug/L	09/08/2004 18:35	
Benzene	ND	0.5	ug/L	09/08/2004 18:35	
Toluene	ND	0.5	ug/L	09/08/2004 18:35	
Ethylbenzene	ND	0.5	ug/L	09/08/2004 18:35	
Total xylenes	ND	1.0	ug/L	09/08/2004 18:35	
Ethanol	ND	50	ug/L	09/08/2004 18:35	
Surrogates(s)					
1,2-Dichloroethane-d4	104.6	72-128	%	09/08/2004 18:35	
Toluene-d8	107.0	80-113	%	09/08/2004 18:35	

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 #0018

Received: 08/27/2004 10:05

Site: 6201 Claremont Ave., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike **Water** **QC Batch # 2004/09/08-2B.64**

LCS 2004/09/08-2B.64-051 Extracted: 09/08/2004 Analyzed: 09/08/2004 17:51
LCSD 2004/09/08-2B.64-013 Extracted: 09/08/2004 Analyzed: 09/08/2004 18:13

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	22.2	24.2	25	88.8	96.8	8.6	65-165	20		
Benzene	21.8	24.9	25	87.2	99.6	13.3	69-129	20		
Toluene	25.0	26.0	25	100.0	104.0	3.9	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	526	526	500	105.2	105.2		72-128			
Toluene-d8	518	504	500	103.6	100.8		80-113			

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 #0018

Received: 08/27/2004 10:05

Site: 6201 Claremont Ave., Oakland

Legend and Notes

Sample Comment

Lab ID: 2004-08-0758 -1

gs-Siloxane peaks were found in the sample which are not believed to be gasoline related. If they were to be quantified as gasoline, concentration would be 130 ug/L.

Result Flag

dp

Sample contains discrete peak in gasoline range.

SEVERN TRENT STL

STL San Francisco

Sample Receipt Checklist

Submission #:2004- 08 - 0758

Checklist completed by: (initials) DSH Date: 08 /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) 2	Temp 0 °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

90462

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

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

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS: CONOCOPHILLIPS Attn: Olivia Perez 1230 W. Washington, Suite 212 Tempe, AZ 85281

2004-08-0758

ConocoPhillips Work Order Number: 1062TRC500

ConocoPhillips Cost Object:

DATE: 8/27/04

PAGE: 1 of 1

SAMPLING COMPANY:	TRC
Valid Value ID:	
CONOCOPHILLIPS SITE NUMBER	0018
GLOBAL ID NO.:	T0600102231
ADDRESS:	21 TECHNOLOGY DR. IRVINE CA 92618
SITE ADDRESS (Street and City):	6201 CLAREMONT AVE. OAKLAND
CONOCOPHILLIPS SITE MANAGER:	THOMAS KOSEL
PROJECT CONTACT (Hardcopy or PDF Report to):	ANJU FARFAN
EDF DELIVERABLE TO (RP or Designee):	
PHONE NO.:	
E-MAIL:	
LAB USE ONLY	
TELEPHONE:	(949)-341-7440
FAX:	(949) 753-0111
E-MAIL:	AFARFAN@TRCSOLUTIONS.COM
SAMPLER NAME(S) (Print):	J. KEARNS
CONSULTANT PROJECT NUMBER	

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

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

* Field Point name only required if different from Sample ID

REQUESTED ANALYSES

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	8015m - TPHd Extractable	8260B - 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 by 8260	BTEX/MTBE/8 oxys by 8260B	BTEX/MTBE/ETHANOL by 8260B	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	MW-2	8/27	0753	G.W	3									X		X	
	MW-3	↓	0810	↓	↓									↓		↓	
	MW-1	↓	0820	↓	↓									X	X		

TEMPERATURE ON RECEIPT C°: 6

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	REFRIGERATOR	8/27/04	0930
[signature] 1830	[signature]	8/27/04	1005
[signature] 8/27/04	[signature]	8/27/04	1830

9/18/03 Revision

STATEMENTS

Purge Water 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.