



RO 243

76 Broadway
Sacramento, CA 95818
phone 916.558.7676
fax 916.558.7639

February 2, 2005

Alameda County
FEB 15 2005
Environmental Health

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 2/4/05*, and TRC's *Quarterly Monitoring Report, dated 1/20/05* 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



February 4, 2005

TRC Project No. 42016501

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

**RE: Quarterly Status Report – Fourth 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 Fourth 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.

MONITORING AND SAMPLING

Three onsite wells are currently monitored quarterly. The groundwater gradient and flow direction were 0.008 foot/foot to the southwest. 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 410 micrograms per liter ($\mu\text{g/l}$). 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 one of three monitoring wells, with a maximum concentration of 45 $\mu\text{g/l}$ 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

November 23, 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

Verify groundwater monitoring data trends indicating low residual hydrocarbons (including MTBE) by collection and evaluation of first quarter 2005 data. If applicable, site closure would then be proposed based on a summary of site data through first quarter 2005.

QSR – Fourth Quarter 2004
76 Service Station #0018, Oakland, California
February 4, 2005
Page 3

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

Sincerely,

TRC



Roger Batra
Senior Project Manager

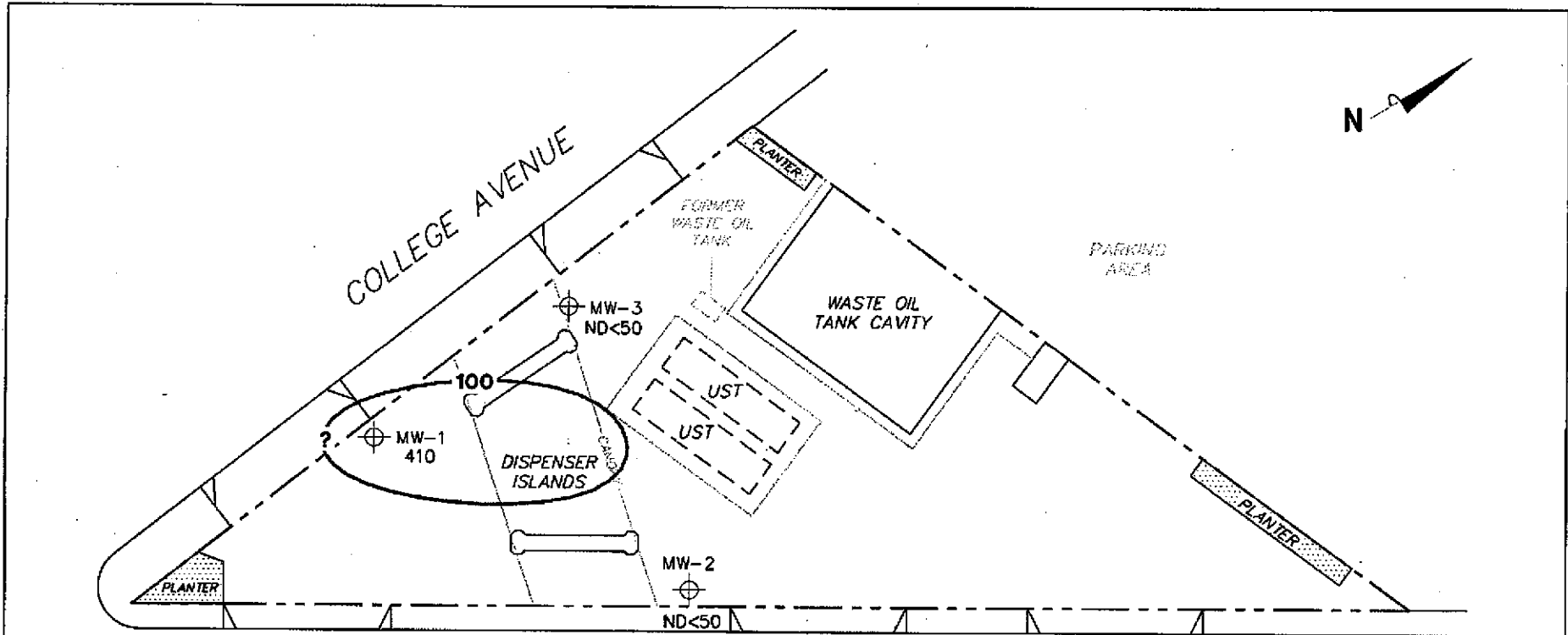
Attachments:

Figure 3 – Dissolved Phase TPH Concentrations Map, November 23, 2004, from Quarterly Monitoring Report October through December 2004, dated January 20, 2005 by TRC.

Figure 4 – Dissolved Phase Benzene Concentrations Map, November 23, 2004, from Quarterly Monitoring Report October through December 2004, dated January 20, 2005 by TRC.

Figure 5 – Dissolved Phase MTBE Concentrations Map, November 23, 2004, from Quarterly Monitoring Report October through December 2004, dated January 20, 2005 by TRC.

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



CLAREMONT AVENUE

LEGEND

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

—100— Dissolved-Phase TPHH Contour (µg/l)

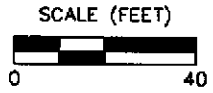
NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. TPHH = 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.

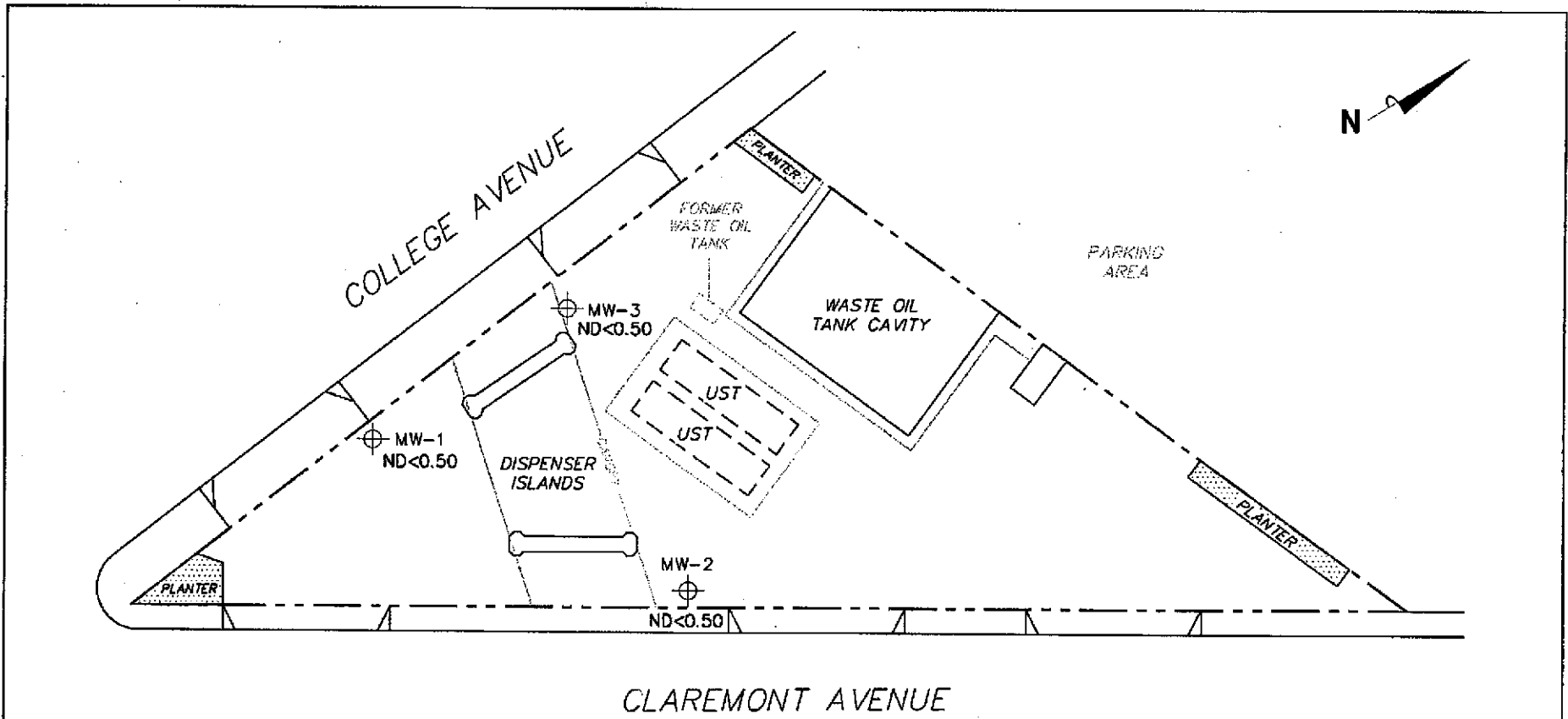
DISSOLVED-PHASE TPHH CONCENTRATIONS MAP
November 23, 2004

76 Station 0018
 6201 Claremont Avenue
 Oakland, California

FIGURE 3



PS=1:1 0018-003



LEGEND

MW-3 ⊕ Monitoring Well with Dissolved-Phase Benzene Concentrations ($\mu\text{g/l}$)

NOTES:

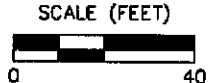
B = benzene. $\mu\text{g/l}$ = micrograms per liter.
 ND = not detected at limit indicated on official laboratory report. UST = underground storage tank.

DISSOLVED-PHASE BENZENE CONCENTRATIONS MAP
 November 23, 2004

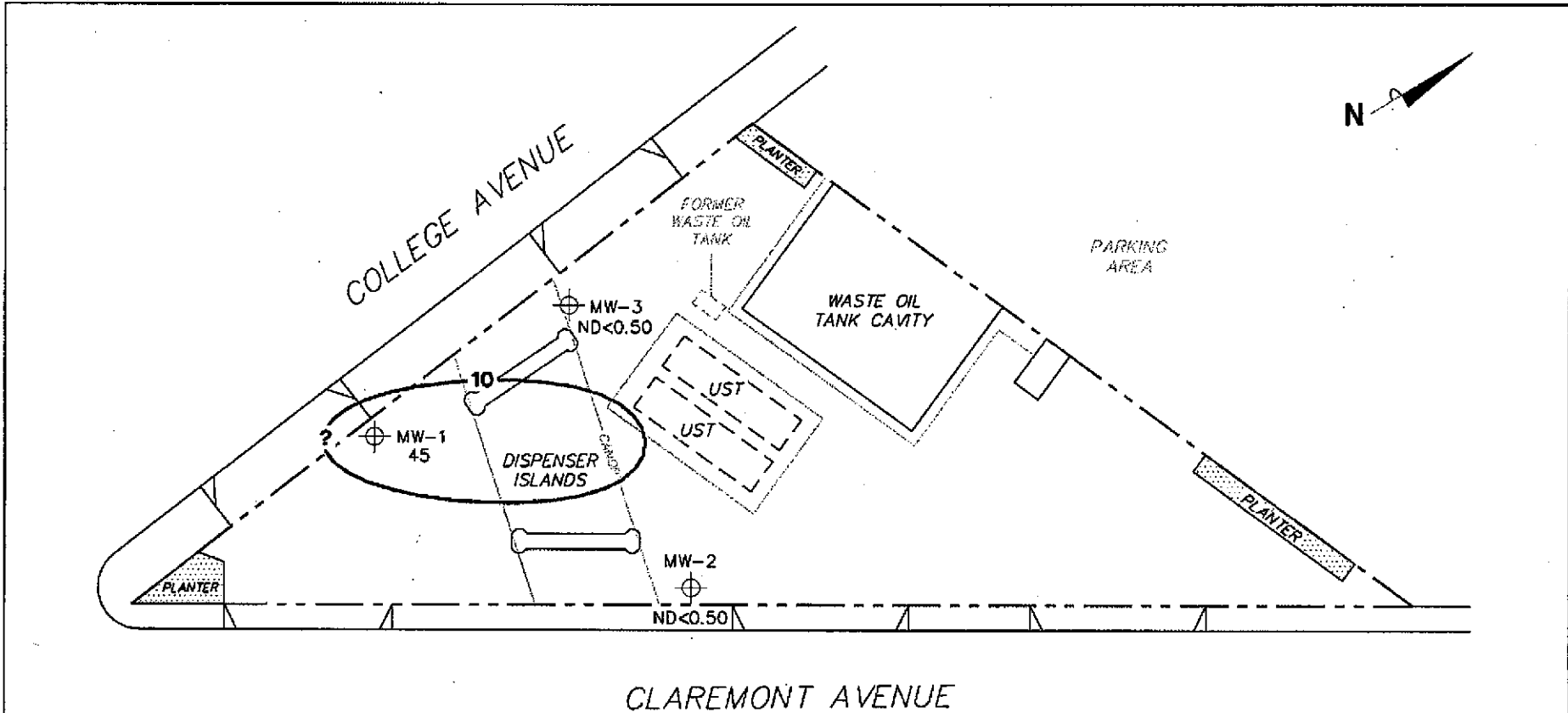
76 Station 0018
 6201 Claremont Avenue
 Oakland, California

FIGURE 4

TRC



PS=1:1 0018-003



LEGEND

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

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

NOTES:

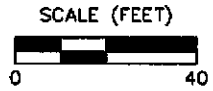
Contour lines are interpretive and based on laboratory analysis results of groundwater samples. MTBE = methyl tertiary butyl ether. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. Results obtained using EPA Method 8260B.

DISSOLVED-PHASE MTBE CONCENTRATIONS MAP
November 23, 2004

76 Station 0018
6201 Claremont Avenue
Oakland, California

FIGURE 5

PS=1:1.0018-003



TRC

Customer-Focused Solutions

January 20, 2005

ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

ATTN: MR. THOMAS H. KOSEL

SITE: 76 STATION 0018
6201 CLAREMONT AVENUE
OAKLAND, CALIFORNIA

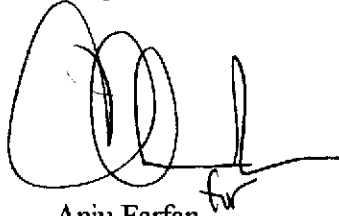
RE: QUARTERLY MONITORING REPORT
OCTOBER THROUGH DECEMBER 2004

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

A handwritten signature in black ink, appearing to read 'Anju Farfan', with a stylized flourish at the end.

Anju Farfan
QMS Operations Manager

CC: Mr. Roger Batra, TRC (2 copies)

Enclosures
20-0400/0018R05.QMS



Customer-Focused Solutions

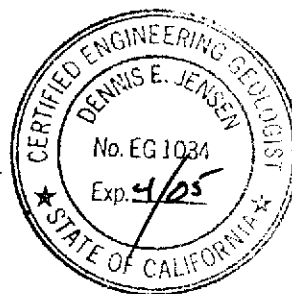
**QUARTERLY MONITORING REPORT
OCTOBER THROUGH DECEMBER 2004**

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
January 19, 2005

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
October 2004 through December 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: **11/23/04**

Sample Points

Groundwater wells: **3** onsite, **0** offsite Wells gauged: **3** Wells sampled: **3**
Purging method: **Bailer**
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: **19.82 feet** Maximum: **21.2 feet**
Average groundwater elevation (relative to available local datum): **188.69 feet**
Average change in groundwater elevation since previous event: **-0.85 feet**
Interpreted groundwater gradient and flow direction:
 Current event: **0.008 ft/ft, southwest**
 Previous event: **0.02 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** **1** Maximum: **410 µg/l (MW-1)**
Wells with **MTBE** **1** Maximum: **45 µg/l (MW-1)**

Notes:

TABLES

TABLE KEY

STANDARD ABBREVIATIONS

--	=	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: $\text{Surface Elevation} - \text{Measured Depth to Water} + (\text{Dp} \times \text{LPH Thickness})$, 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 re-survey.
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 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
November 23, 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)												
11/23/04	208.15	19.82	0.00	188.33	-0.42	--	410	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	45	
MW-2		(Screen Interval in feet: 10.0-30.0)												
11/23/04	210.27	21.20	0.00	189.07	-1.54	--	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)												
11/23/04	208.98	20.30	0.00	188.68	-0.60	--	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 November 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)														
08/24/00	208.15	18.55	0.00	189.60	--	120	--	0.67	ND	0.86	1.4	54	54	
11/16/00	208.15	20.30	0.00	187.85	-1.75	169	--	ND	1.20	1.74	0.629	68.6	97.7	
02/09/01	208.15	20.16	0.00	187.99	0.14	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	78	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	
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	
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	
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	
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	
11/23/04	208.15	19.82	0.00	188.33	-0.42	--	410	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	45	
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	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
August 2000 Through November 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														
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	--	
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	
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	
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	
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	
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	
11/23/04	210.27	21.20	0.00	189.07	-1.54	--	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	2.3	
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	
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	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
August 2000 Through November 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														
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	
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	
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	
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	
11/23/04	208.98	20.30	0.00	188.68	-0.60	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	

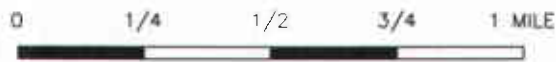
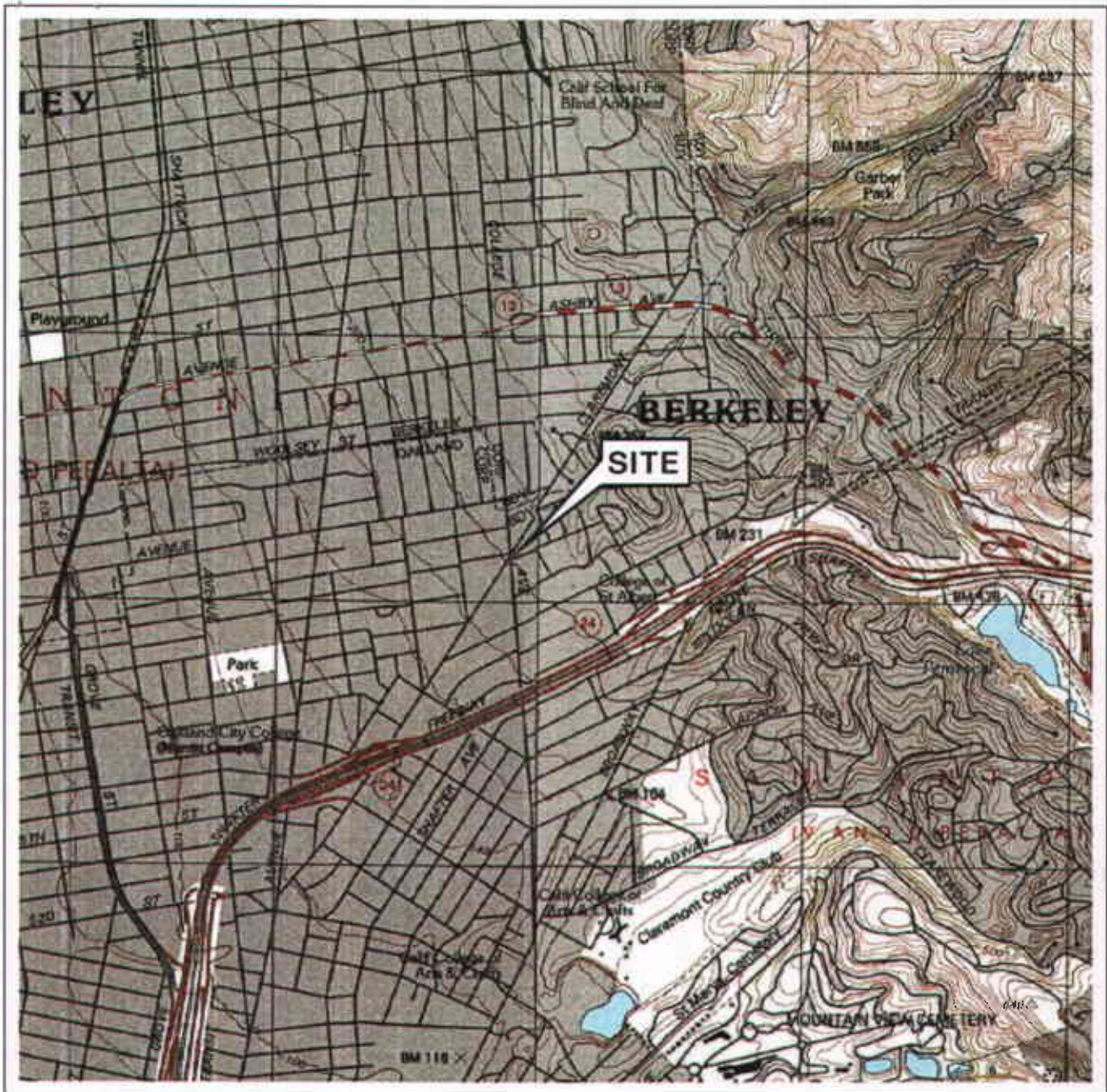
Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 0018

Date Sampled	EDC (µg/l)	EDB (µg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8260B (µg/l)
MW-1							
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<1000
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<2500
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
11/23/04	ND<0.50	ND<0.50	ND<0.50	7.5	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<1000
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

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 0018

Date Sampled	EDC (µg/l)	EDB (µg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8260B (µg/l)
MW-2 continued							
05/07/04	--	--	--	--	--	--	ND<50
08/27/04	--	--	--	--	--	--	ND<50
11/23/04	--	--	--	--	--	--	ND<50
MW-3							
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<1000000
11/07/01	ND<1.0	ND<1.0	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<500000
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
11/23/04	--	--	--	--	--	--	ND<50

FIGURES



SCALE 1:24,000

SOURCE:

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



QUADRANGLE
LOCATION

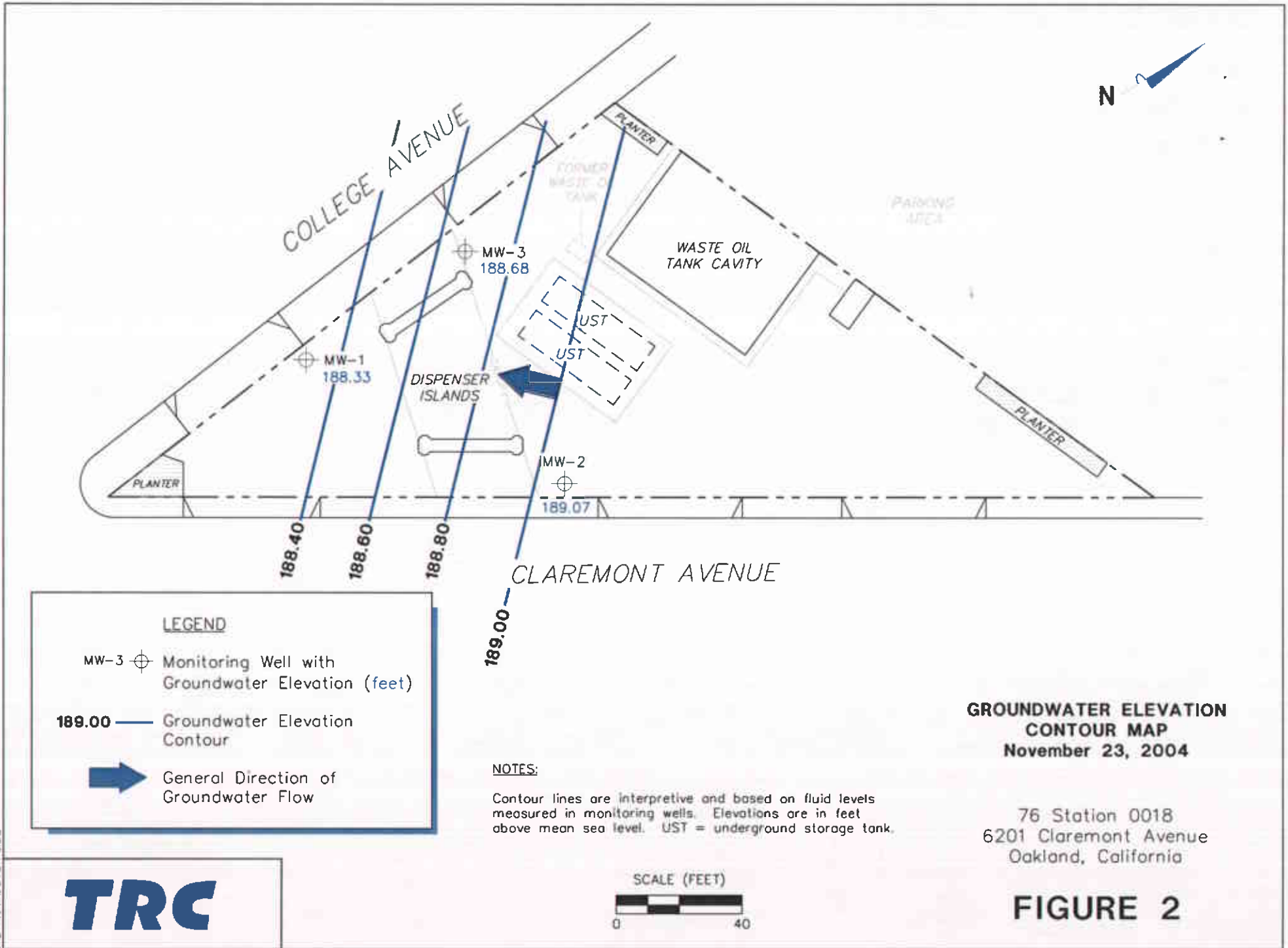
VICINITY MAP

76 Station 0018
6201 Claremont Avenue
Oakland, California

FIGURE 1

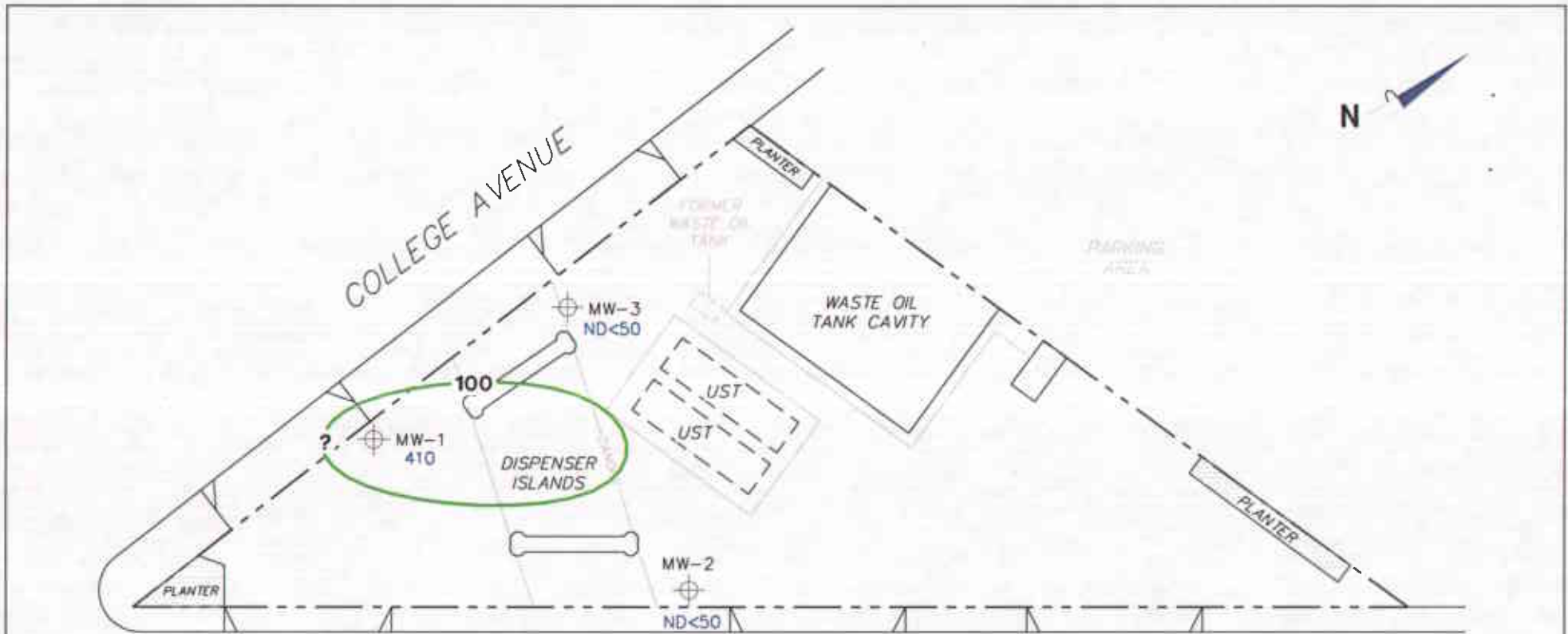
PS = 1:1





PS=1:1 0018-003

TRC



CLAREMONT AVENUE

LEGEND

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

—100— 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.

DISSOLVED-PHASE TPPH CONCENTRATIONS MAP
November 23, 2004

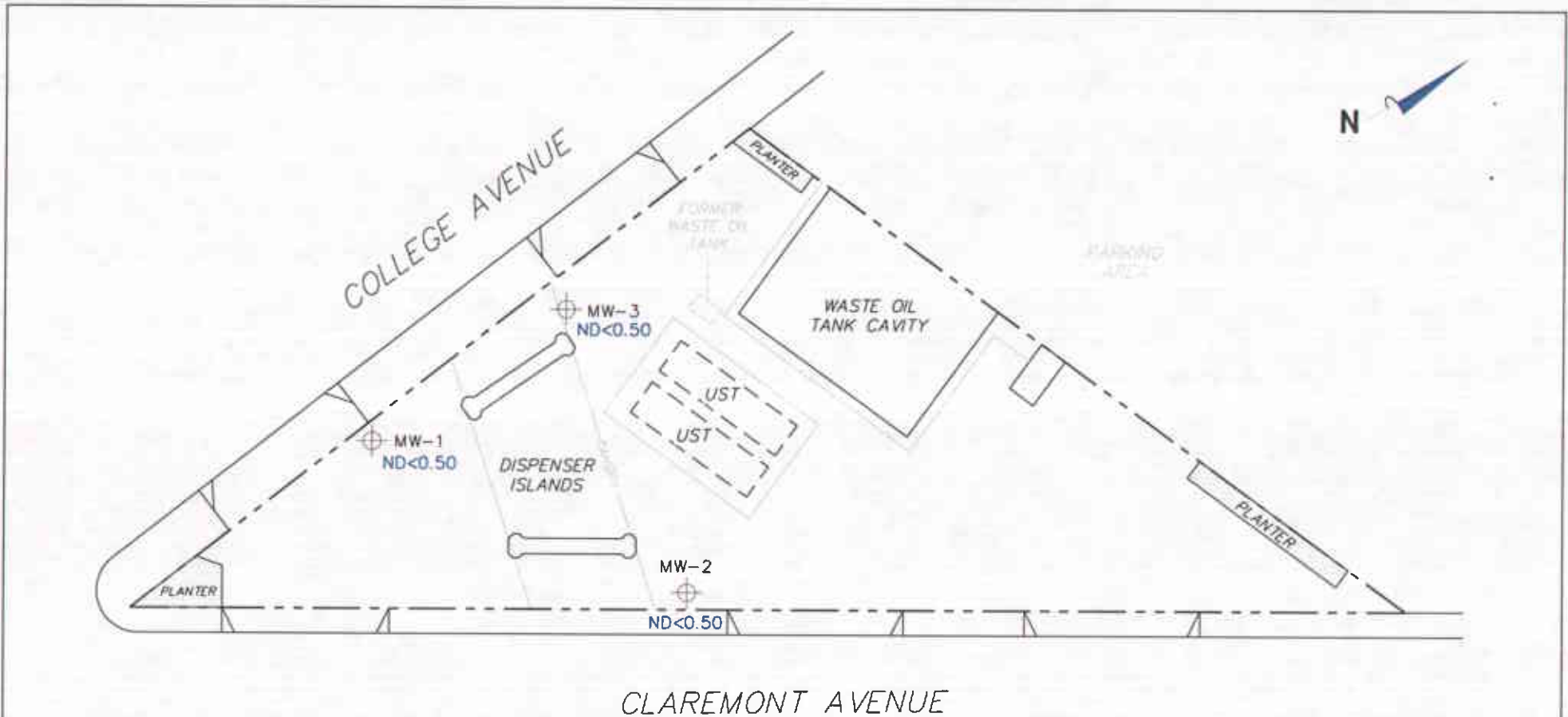
76 Station 0018
 6201 Claremont Avenue
 Oakland, California

TRC



FIGURE 3

PS=1:1 0018-003



LEGEND

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

NOTES:

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

DISSOLVED-PHASE BENZENE CONCENTRATIONS MAP
 November 23, 2004

76 Station 0018
 6201 Claremont Avenue
 Oakland, California

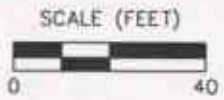
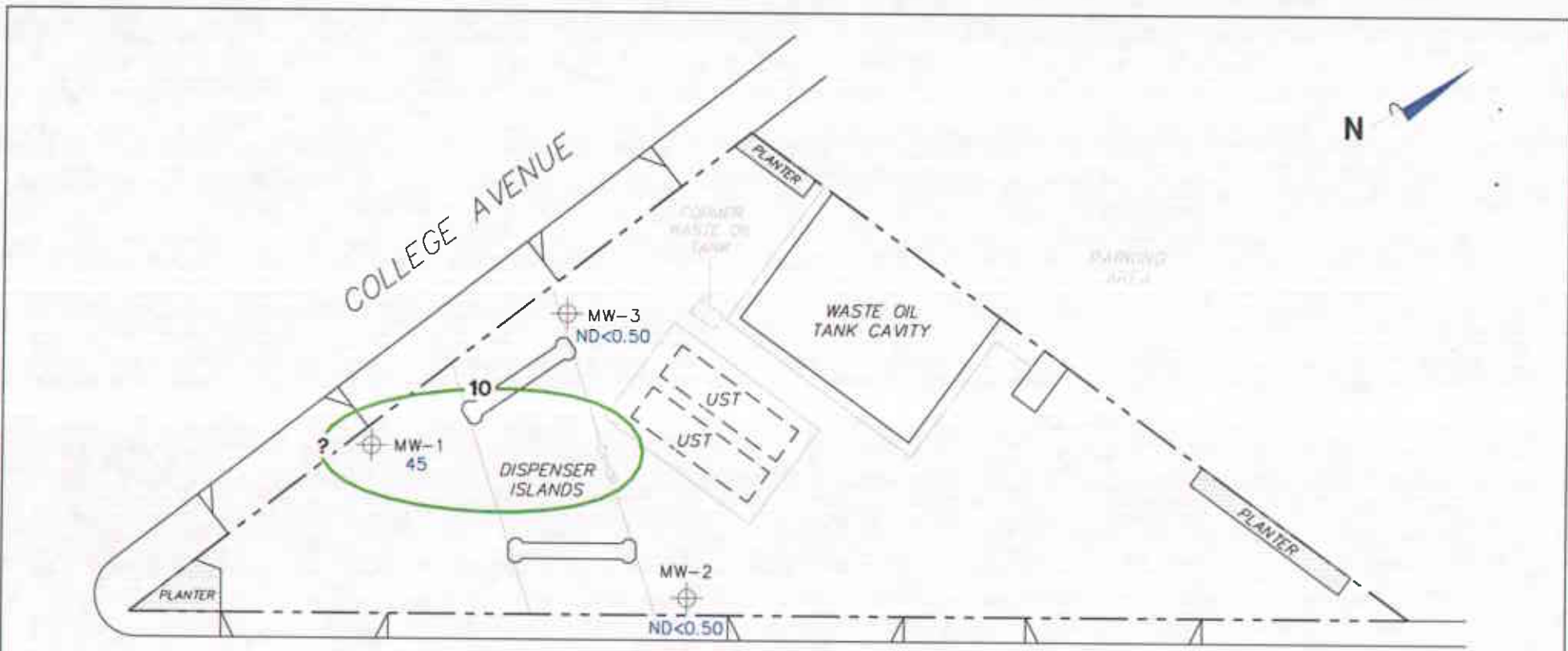


FIGURE 4

PS=1:1 0018-003





CLAREMONT AVENUE

LEGEND

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

10 — 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.

DISSOLVED-PHASE MTBE CONCENTRATIONS MAP
November 23, 2004

76 Station 0018
6201 Claremont Avenue
Oakland, California

TRC

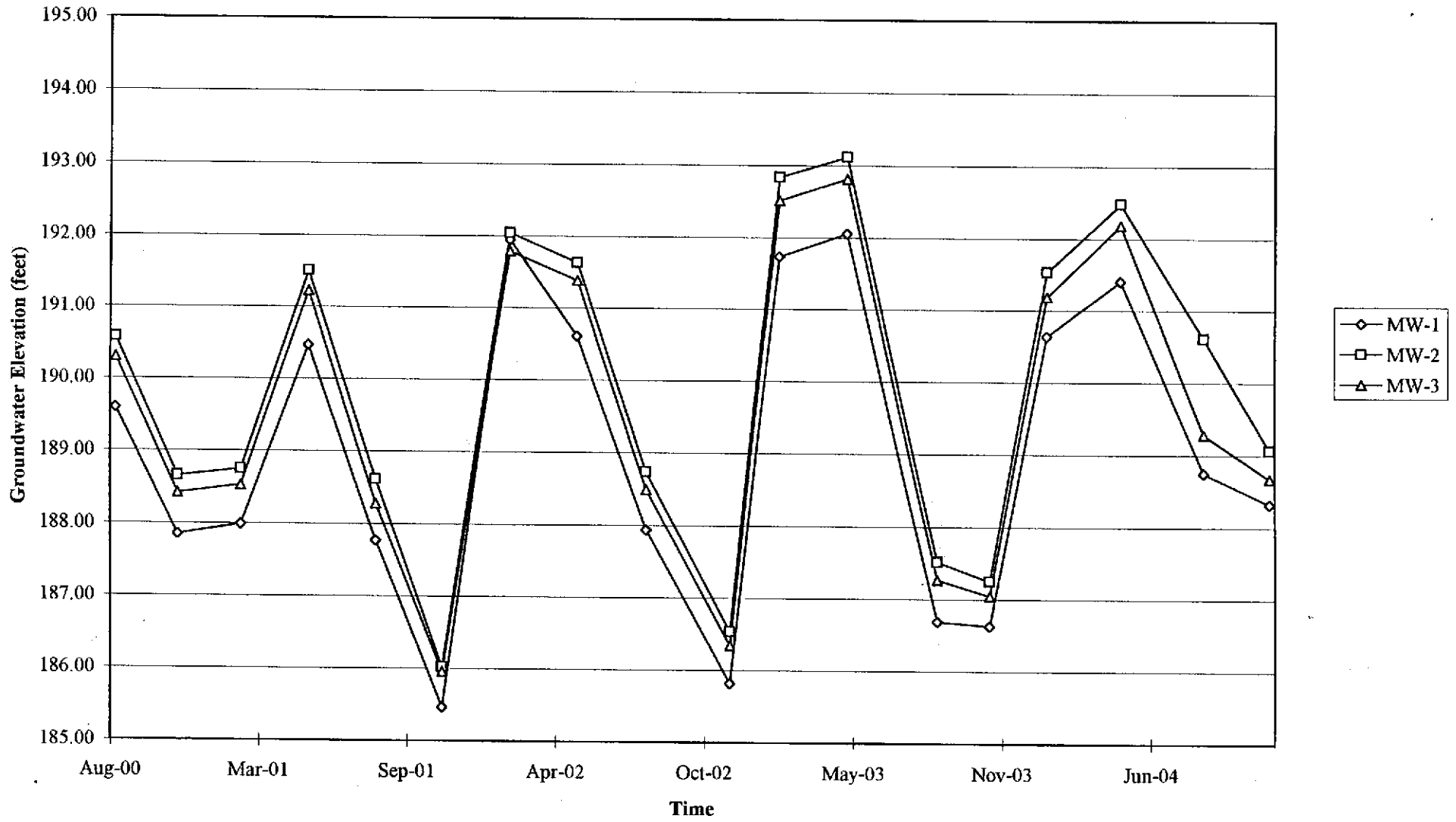


FIGURE 5

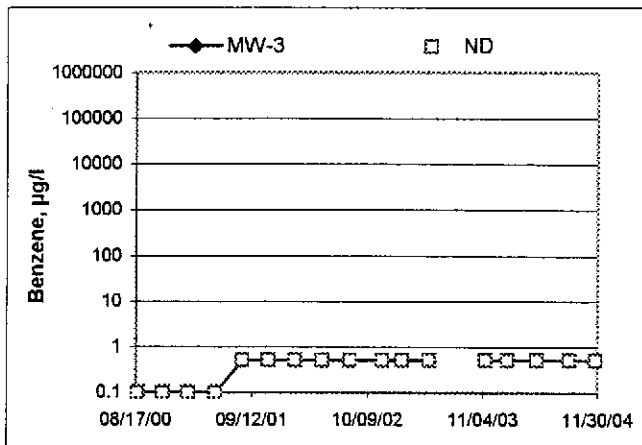
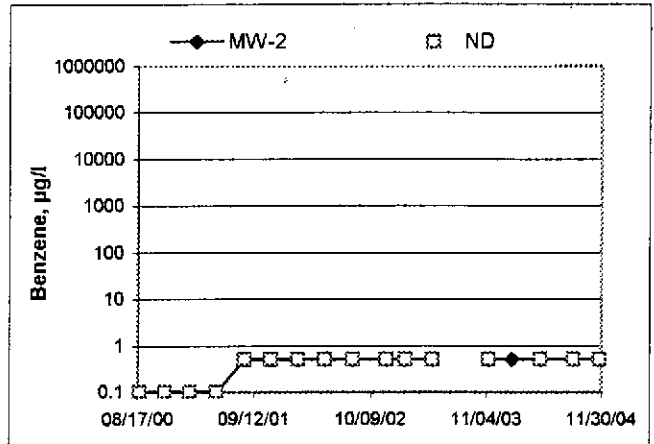
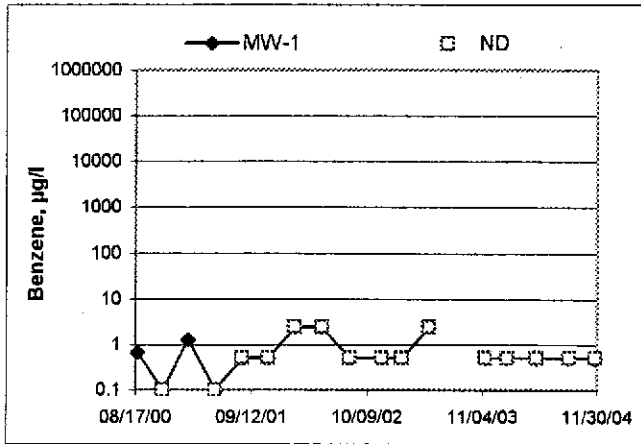
PS=1:1 0018-003

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.

GROUNDWATER SAMPLING FIELD NOTES

Technician: Branden B

Site: 0018

Project No.: 41050001

Date: 11/23/04

Well No.: MW-3
 Depth to Water (feet): 20.3
 Total Depth (feet): 24.91
 Water Column (feet): 4.61
 80% Recharge Depth (feet): 21.7

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

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F. °C)	pH	Turbidity	D.O.
<u>0801</u>			<u>1</u>	<u>427</u>	<u>17.6</u>	<u>6.42</u>		
			<u>2</u>	<u>409</u>	<u>17.7</u>	<u>6.52</u>		
	<u>0819</u>		<u>3</u>	<u>419</u>	<u>17.3</u>	<u>6.60</u>		

Static at Time Sampled	Total Gallons Purged	Time Sampled
<u>2042</u>	<u>3</u>	<u>0830</u>

Comments: _____

Well No.: MW-2
 Depth to Water (feet): 29.2
 Total Depth (feet): 29.5
 Water Column (feet): 8.3
 80% Recharge Depth (feet): 22.86

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

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F. °C)	pH	Turbidity	D.O.
<u>0841</u>			<u>1</u>	<u>395</u>	<u>17.5</u>	<u>6.54</u>		
			<u>2</u>	<u>393</u>	<u>17.7</u>	<u>6.53</u>		
	<u>0852</u>		<u>3</u>	<u>391</u>	<u>17.5</u>	<u>6.57</u>		

Static at Time Sampled	Total Gallons Purged	Time Sampled
<u>21.23</u>	<u>3</u>	<u>0906</u>

Comments: _____

GROUNDWATER SAMPLING FIELD NOTES

Technician: Branden B.

Site: 0018

Project No.: 41088018

Date: 11/23/04

Well No.: MW-1
 Depth to Water (feet): 21.21
 Total Depth (feet): 29.71
 Water Column (feet): 8.5
 80% Recharge Depth (feet): 22.91

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

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0916			1	572	19.2	6.59		
			2	573	19.6	6.58		
	0925		3	579	19.5	6.57		

Static at Time Sampled	Total Gallons Purged	Time Sampled
21.63	3	0937

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: _____

TRC Alton Geoscience- Irvine

December 13, 2004

21 Technology Drive
Irvine, CA 92718

Attn.: Anju Farfan

Project#: 41050001/FA20

Project: Conoco Phillips #0018

Site: 6201 Claremont Blvd.

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 Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

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: 11/29/2004 18:20

Site: 6201 Claremont Blvd.

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	11/23/2004 08:30	Water	1
MW-2	11/23/2004 09:06	Water	2
MW-3	11/23/2004 09:37	Water	3

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94586

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

12/09/2004 18:20

Page 1 of 7

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: 11/29/2004 18:20

Site: 6201 Claremont Blvd.

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-1	Lab ID:	2004-11-0840 - 1
Sampled:	11/23/2004 08:30	Extracted:	12/4/2004 19:08
Matrix:	Water	QC Batch#:	2004/12/04-2.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	410	50	ug/L	1.00	12/04/2004 19:08	
Benzene	ND	0.50	ug/L	1.00	12/04/2004 19:08	
Toluene	ND	0.50	ug/L	1.00	12/04/2004 19:08	
Ethylbenzene	ND	0.50	ug/L	1.00	12/04/2004 19:08	
Total xylenes	ND	1.0	ug/L	1.00	12/04/2004 19:08	
tert-Butyl alcohol (TBA)	7.5	5.0	ug/L	1.00	12/04/2004 19:08	
Methyl tert-butyl ether (MTBE)	45	0.50	ug/L	1.00	12/04/2004 19:08	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	12/04/2004 19:08	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	12/04/2004 19:08	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	12/04/2004 19:08	
1,2-DCA	ND	0.50	ug/L	1.00	12/04/2004 19:08	
EDB	ND	0.50	ug/L	1.00	12/04/2004 19:08	
Ethanol	ND	50	ug/L	1.00	12/04/2004 19:08	
Surrogate(s)						
1,2-Dichloroethane-d4	101.0	73-130	%	1.00	12/04/2004 19:08	
Toluene-d8	91.0	81-114	%	1.00	12/04/2004 19:08	

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

12/09/2004 18:20

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: 11/29/2004 18:20

Site: 6201 Claremont Blvd.

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MW-2	Lab ID: 2004-11-0840 - 2
Sampled: 11/23/2004 09:06	Extracted: 12/4/2004 19:31
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 19:31	
Benzene	ND	0.50	ug/L	1.00	12/04/2004 19:31	
Toluene	ND	0.50	ug/L	1.00	12/04/2004 19:31	
Ethylbenzene	ND	0.50	ug/L	1.00	12/04/2004 19:31	
Total xylenes	ND	1.0	ug/L	1.00	12/04/2004 19:31	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	12/04/2004 19:31	
Ethanol	ND	50	ug/L	1.00	12/04/2004 19:31	
Surrogate(s)						
1,2-Dichloroethane-d4	99.5	73-130	%	1.00	12/04/2004 19:31	
Toluene-d8	92.0	81-114	%	1.00	12/04/2004 19:31	

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: 11/29/2004 18:20

Site: 6201 Claremont Blvd.

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-3	Lab ID:	2004-11-0840 - 3
Sampled:	11/23/2004 09:37	Extracted:	12/4/2004 19:53
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 19:53	
Benzene	ND	0.50	ug/L	1.00	12/04/2004 19:53	
Toluene	ND	0.50	ug/L	1.00	12/04/2004 19:53	
Ethylbenzene	ND	0.50	ug/L	1.00	12/04/2004 19:53	
Total xylenes	ND	1.0	ug/L	1.00	12/04/2004 19:53	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	12/04/2004 19:53	
Ethanol	ND	50	ug/L	1.00	12/04/2004 19:53	
Surrogate(s)						
1,2-Dichloroethane-d4	102.5	73-130	%	1.00	12/04/2004 19:53	
Toluene-d8	96.9	81-114	%	1.00	12/04/2004 19:53	

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

12/09/2004 18:20

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: 11/29/2004 18:20

Site: 6201 Claremont Blvd.

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

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Phone: (949) 341-7440 Fax: (949) 753-0111
Project: 41050001/FA20
Conoco Phillips #0018

Received: 11/29/2004 18:20

Site: 6201 Claremont Blvd.

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
LCSD

Extracted: 12/04/2004

Analyzed: 12/04/2004 17:04

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
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			

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12/09/2004 18:20

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine

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Irvine, CA 92718

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

Project: 41050001/FA20

Conoco Phillips #0018

Received: 11/29/2004 18:20

Site: 6201 Claremont Blvd.

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Matrix Spike (MS / MSD)

Water

QC Batch # 2004/12/04--2.64

MW-3 >> MS

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 ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		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			

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12/09/2004 18:20

STL San Francisco

Sample Receipt Checklist

Submission #: 2004- 11 - 0840

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 ($4^{\circ}\text{C} \pm 2$)?

Temp 2°C Yes No ___

Potential reason for $> 6^{\circ}\text{C}$: Ice melted Ice in bags Not enough ice Not enough blue ice Samples in boxes

Sampled $< 4\text{hr}$ 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: HNO₃ HCl H₂SO₄ 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):

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.