R = 243

TRC

Customer-Focused Solutions

June 15, 2004 TRC Project No. 42016501

Don Hwang
Alameda County Health Services
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

RE: Quarterly Status Report – First 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 First Quarter 2004 quarterly status report for the subject site, shown on the attached Figure 3.

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: Karpealian 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 wells are currently monitored quarterly. The groundwater gradient and flow direction were 0.012 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 520 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 detected in monitoring well MW-2 at a concentration of 0.5 µg/l. These levels were generally consistent with recent historical data.

MTBE was detected in monitoring well MW-1 at a concentration of 44 µg/l. MTBE was not detected above the reporting limit in the other wells sampled this quarter. 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

January 29, 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.

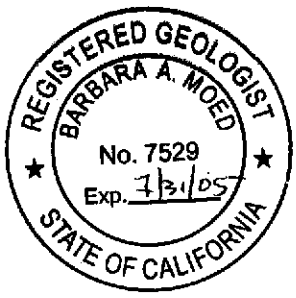
If you have any questions regarding this report, please call Roger Batra at (925) 688-2466.

Sincerely,

TRC

Roger Batra
Senior Project Manager

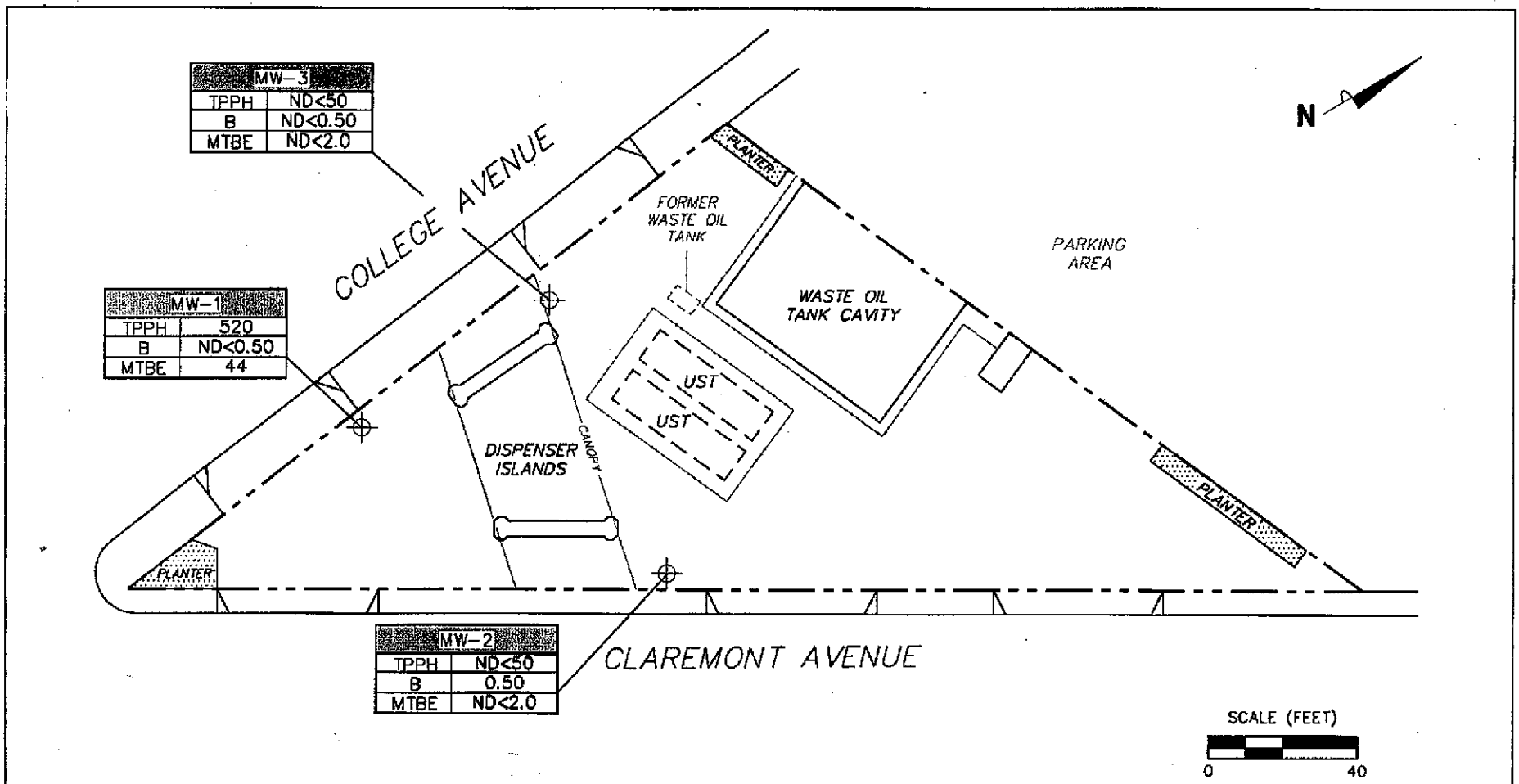
Barbara Moed, R.G.
Senior Project Geologist



Attachments:

Figure 3 – Dissolved Phase Hydrocarbon Concentrations Map, January 29, 2004, from First Quarter 2004 Fluid Level Monitoring and Sampling Report, dated March 10, 2004 by TRC.

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



DISSOLVED-PHASE HYDROCARBON CONCENTRATIONS MAP
January 29, 2004

76 Station 0018
6201 Claremont Avenue
Oakland, California

FIGURE 3

NOTES:

TPPH = total purgeable petroleum hydrocarbons. B = benzene. 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

Well No.
TPPH µg/l
B µg/l
MTBE µg/l

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

TRC

PS=1:1

Graphics on Ir1(li:)\GRAPHICS\Projects By..\20-xxxx\20-0400\x-0000\0018\0018+/0018qms.dwg 2/20/04 bbs

RO 243

TRC

Customer-Focused Solutions

June 4, 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
APRIL THROUGH JUNE 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 for
QMS Operations Manager

CC: Mr. Don Huang, Alameda County Health Care Service Division
Barbara Moed, TRC

Enclosures
20-0400/0018R03.QMS

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

TRC

Customer-Focused Solutions

QUARTERLY MONITORING REPORT
APRIL THROUGH JUNE 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
June 4, 2004

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

QUARTERLY MONITORING REPORT

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

Summary of Gauging and Sampling Activities
April 2004 through June 2004
76 Station 0018
6201 Claremont Boulevard
Oakland, CA

Site Information:

Site:	76 Station 6201 Claremont Boulevard Oakland, CA
Project Coordinator/Phone Number:	Thomas H. Kosel/916-558-7666
Groundwater wells onsite:	3
Groundwater wells offsite:	0

Field Activity:

Sampling consultant:	TRC
Date(s) sampled:	5/7/2004
Groundwater wells gauged:	3
Groundwater wells sampled:	3
Purging method:	submersible pump
Treatment/disposal method during sampling event:	Onyx/Rodeo Unit 100
Free product pumpouts other than sampling event:	No
Treatment/Disposal method during free product pumpouts:	N/A

Site Hydrogeology:

Minimum depth to groundwater (feet bgs):	16.74
Maximum depth to groundwater (feet bgs):	17.79
Average groundwater elevation (feet relative to mean sea level):	192.03
Average change in groundwater elevations since previous event (feet):	0.90
Groundwater gradient and flow direction:	0.01 ft/ft, Southwest
Previous gradient and/or flow direction (and date):	0.012 ft/ft, Southwest (1/29/2004)

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

Wells with benzene concentrations below MCL:	3
Wells with benzene concentrations at or above MCL:	0
Minimum benzene concentration (µg/l):	ND
Maximum benzene concentration (µg/l):	ND
Minimum MTBE concentration (µg/l):	ND
Maximum MTBE concentration (µg/l):	25
Minimum TPPH concentration (µg/l):	ND
Maximum TPPH concentration (µg/l):	180 (MW-1)
Groundwater wells with free product:	0
Minimum free product thickness (feet):	0
Maximum free product thickness (feet):	0

Additional Information:

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

TABLE KEY

ABBREVIATIONS / SYMBOLS

LPH	=	liquid-phase hydrocarbons
□g/l	=	micrograms per liter
mg/l	=	milligrams per liter
ND	=	not detected at or above laboratory detection limit
DTSC	=	Department of Toxic Substances Control
N/A	=	not applicable
Trace	=	less than 0.01 foot of LPH in well
USTs	=	underground storage tanks
--	=	not analyzed, measured, or collected
TPH-G	=	total petroleum hydrocarbons with gasoline distinction
BTEX	=	benzene, toluene, ethylbenzene, and total xylenes
TPH-D	=	total petroleum hydrocarbons with diesel distinction
TRPH	=	total recoverable petroleum hydrocarbons
MTBE	=	methyl tertiary butyl ether
TAME	=	tertiary amyl methyl ether
ETBE	=	ethyl tertiary butyl ether
DIPE	=	di-isopropyl ether
TBA	=	tertiary butyl alcohol
1,1-DCA	=	1,1-Dichloroethane
1,2-DCA	=	1,2-Dichloroethane
1,1-DCE	=	1,1-Dichloroethene
1,2-DCE	=	cis- and trans-1,2-Dichloroethene
PCE	=	tetrachloroethene
TCA	=	trichloroethane
TCE	=	trichloroethene
PCB	=	polychlorinated biphenyls
TPPH	=	total purgeable petroleum hydrocarbons

NOTES

Elevations are in feet above mean sea level.

Groundwater elevation for wells with LPH is calculated as follows:

Surface elevation – depth to water + (0.75 x LPH thickness).

Concentration Graphs have been modified to plot non-detect results at the reporting limit stated in the official laboratory report. All non-detect results prior to the Second Quarter 2000 were plotted at 0.1 □g/l for graphical display.

J = estimated concentration, value is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL)

REFERENCE

TRC began groundwater monitoring and sampling activities in October 2003. Historical data for 76 Station 0018 was provided by Gettler-Ryan Inc., Dublin, California, in an excel table received in September 2003.

Table 1

SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS

May 7, 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)**												
5/7/2004	208.15	16.74	0.00	191.41	0.77	--	180	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	25	
MW-2		**(Screen Interval in feet: 10.0-30.0)**												
5/7/2004	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	
MW-3		**(Screen Interval in feet: 10.0-30.0)**												
5/7/2004	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	

Table 2
HISTORIC GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
August 2000 Through May 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)**													
2/9/2001	208.15	20.16	0.00	187.99	--	330	--	1.3	ND	1.0	4.6	140	150	
5/11/2001	208.15	17.68	0.00	190.47	2.48	1250	--	ND	ND	ND	ND	145	122	
8/10/2001	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	
11/7/2001	208.15	22.68	0.00	185.47	-2.30	250	--	ND<0.50	1.5	ND<0.50	ND<0.50	120	100	
2/6/2002	208.15	16.20	0.00	191.95	6.48	790	--	ND<2.5	12	8.8	ND<2.5	90	72	
5/8/2002	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	
8/9/2002	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	
11/29/2002	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	
2/3/2003	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	
5/5/2003	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	
9/4/2003	208.15	21.46	0.00	186.69	-5.37	--	--	--	--	--	--	--	--	No analysis; past holding time
11/13/2003	208.15	21.52	0.00	186.63	-0.06	--	97	ND<0.50	5.0	0.82	3.5	--	29	
1/29/2004	208.15	17.51	0.00	190.64	4.01	--	520	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	44	
5/7/2004	208.15	16.74	0.00	191.41	0.77	--	180	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	25	
MW-2	**(Screen Interval in feet: 10.0-30.0)**													
8/24/2000	210.27	19.69	0.00	190.58	--	ND	--	ND	ND	ND	ND	ND	ND	
11/16/2000	210.27	21.61	0.00	188.66	-1.92	ND	--	ND	ND	ND	ND	ND	ND	
2/9/2001	210.27	21.52	0.00	188.75	0.09	ND	--	ND	ND	ND	ND	ND	ND	
5/11/2001	210.27	18.76	0.00	191.51	2.76	ND	--	ND	ND	ND	ND	ND	ND	
8/10/2001	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	
11/7/2001	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	
2/6/2002	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	--	
5/8/2002	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	--	
8/9/2002	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	
11/29/2002	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	

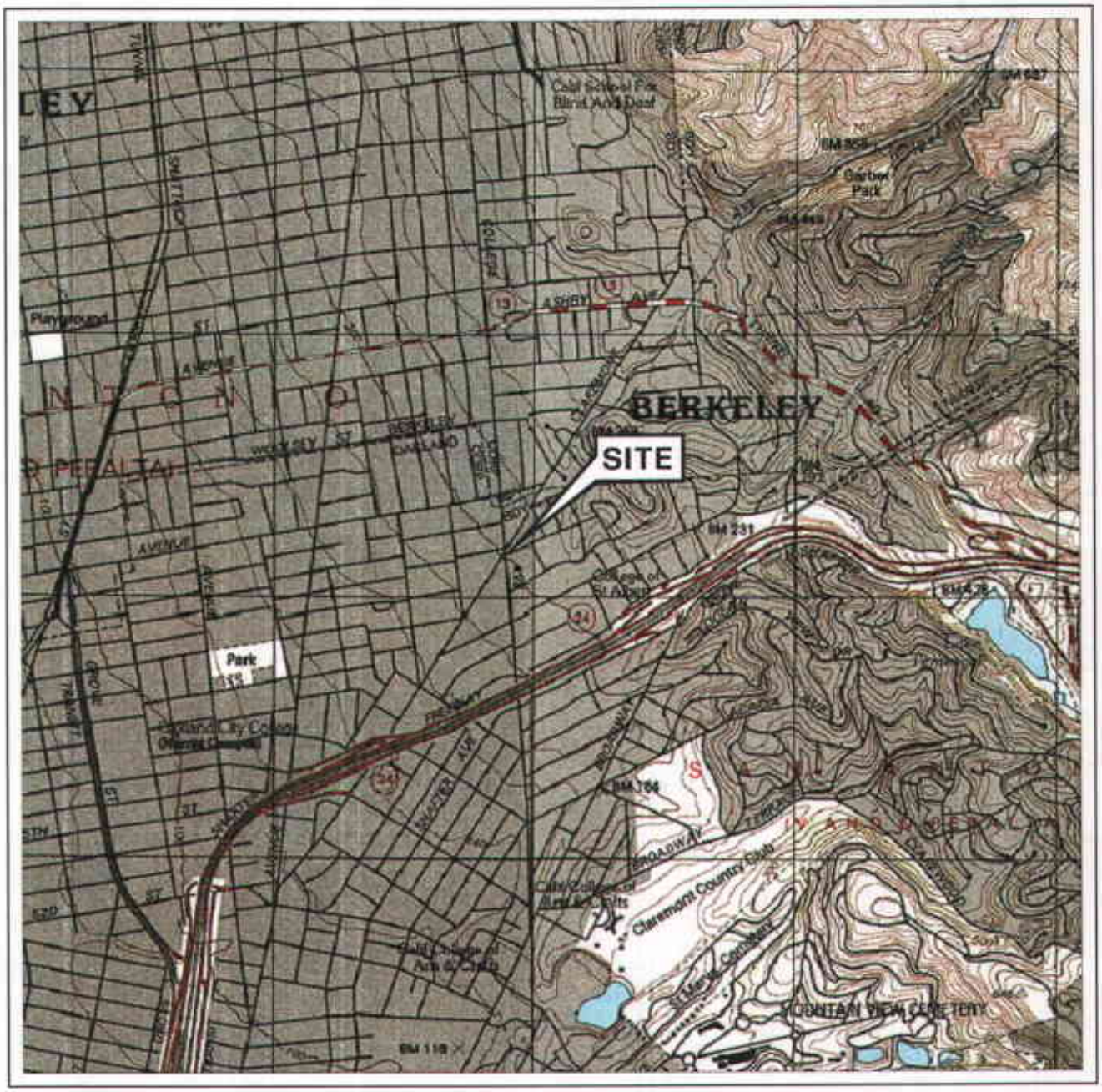
Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-2 continued														
2/3/2003	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	
5/5/2003	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	
9/4/2003	210.27	22.75	0.00	187.52	-5.60	--	--	--	--	--	--	--	--	No analysis; past holding time
11/13/2003	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	
1/29/2004	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	
5/7/2004	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	
MW-3 (Screen Interval in feet: 10.0-30.0)														
8/24/2000	208.98	18.68	0.00	190.30	--	ND	--	ND	ND	ND	ND	4.7/2.32	2.3	
11/16/2000	208.98	20.56	0.00	188.42	-1.88	ND	--	ND	ND	ND	ND	ND	ND	
2/9/2001	208.98	20.45	0.00	188.53	0.11	ND	--	ND	ND	ND	ND	ND	ND	
5/11/2001	208.98	17.75	0.00	191.23	2.70	ND	--	ND	ND	ND	ND	ND	ND	
8/10/2001	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	
11/7/2001	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	
2/6/2002	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	--	
5/8/2002	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	--	
8/9/2002	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	
11/29/2002	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	
2/3/2003	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	
5/5/2003	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	
9/4/2003	208.98	21.71	0.00	187.27	-5.55	--	--	--	--	--	--	--	--	No analysis; past holding time
11/13/2003	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	
1/29/2004	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	
5/7/2004	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	

Table 3
SUMMARY OF ADDITIONAL CHEMICAL ANALYSIS 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								
2/9/2001	ND	ND	ND	ND	ND	ND	--	ND
5/11/2001	ND	ND	ND	ND	ND	ND	--	ND
8/10/2001	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	--	ND<1,000
11/7/2001	ND<1.0	ND<1.0	ND<1.0	ND<20	ND<1.0	ND<1.0	--	ND<500
2/6/2002	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	--	ND<500
5/8/2002	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	--	ND<500
8/9/2002	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	--	ND<500
11/29/2002	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	--	ND<500
2/3/2003	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	--	ND<500
5/5/2003	ND<10	ND<10	ND<10	ND<500	ND<10	ND<10	--	ND<2,500
11/13/2003	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	--	ND<500
1/29/2004	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	--	ND<500
5/7/2004	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<1.0	ND<0.50	--	ND<50
MW-2								
8/24/2000	--	--	ND	ND	ND	ND	--	ND
11/16/2000	--	--	ND	ND	ND	ND	--	ND
2/9/2001	ND	ND	ND	ND	ND	ND	--	ND
5/11/2001	ND	ND	ND	ND	ND	ND	--	ND
8/10/2001	ND<2.0	ND<2.0	ND<2.0	ND<100	ND<2.0	ND<2.0	--	ND<1,000
11/7/2001	ND<1.0	ND<1.0	ND<1.0	ND<20	ND<1.0	ND<1.0	--	ND<500
8/9/2002	--	--	--	--	--	--	--	--
11/29/2002	--	--	--	--	--	--	--	--
2/3/2003	--	--	--	--	--	--	--	--
5/5/2003	--	--	--	--	--	--	--	--
11/13/2003	--	--	--	--	--	--	--	ND<500
1/29/2004	--	--	--	--	--	--	--	ND<500

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-2 continued								
5/7/2004	--	--	--	--	--	--	--	ND<50
MW-3								
8/24/2000	--	--	ND	ND	ND	ND	ND	--
11/16/2000	--	--	ND	ND	ND	ND	ND	--
2/9/2001	--	--	ND	ND	ND	ND	ND	--
5/11/2001	--	--	ND	ND	ND	ND	ND	--
8/10/2001	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<1,000	--
11/7/2001	--	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<500	--
8/9/2002	ND	ND	--	--	--	--	--	--
11/29/2002	ND	ND	--	--	--	--	--	--
2/3/2003	ND<2.0	ND<2.0	--	--	--	--	--	--
5/5/2003	ND<1.0	ND<1.0	--	--	--	--	--	--
11/13/2003	--	--	--	--	--	--	--	ND<500
1/29/2004	--	--	--	--	--	--	--	ND<500
5/7/2004	--	--	--	--	--	--	--	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

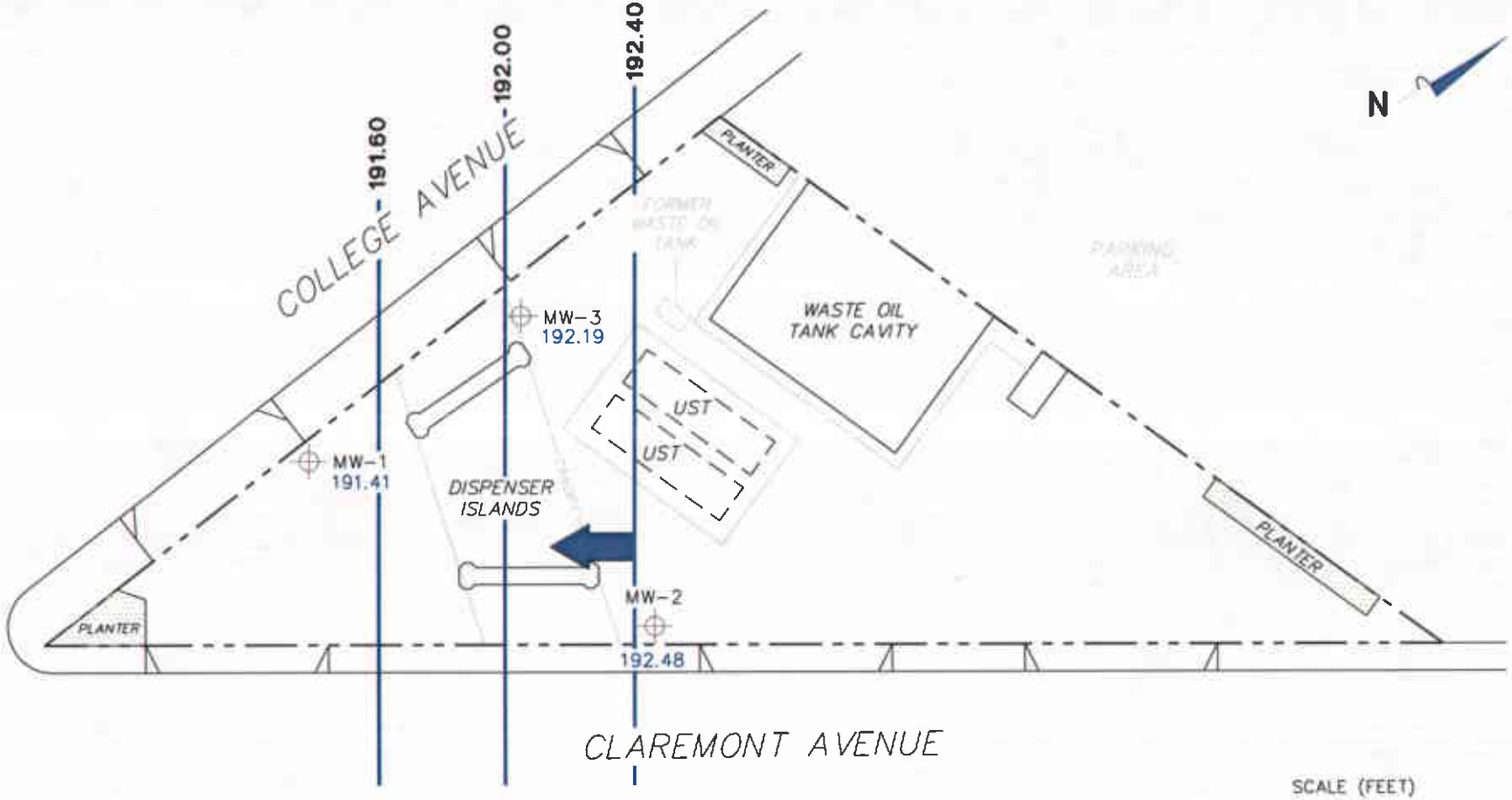
VICINITY MAP

76 Station 0018
6201 Claremont Avenue
Oakland, California

FIGURE 1

TRC

Graphics on Irt(i:)\VICINITY MAPS\0018vm.dwg 11/11/03 jw



SCALE (FEET)

0 40

LEGEND

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

192.40 —— Groundwater Elevation Contour

➡ General Direction of Groundwater Flow

NOTES:

Contour lines are interpretive and based on fluid levels measured in monitoring wells. Elevations are in feet above mean sea level. UST = underground storage tank.

TRC

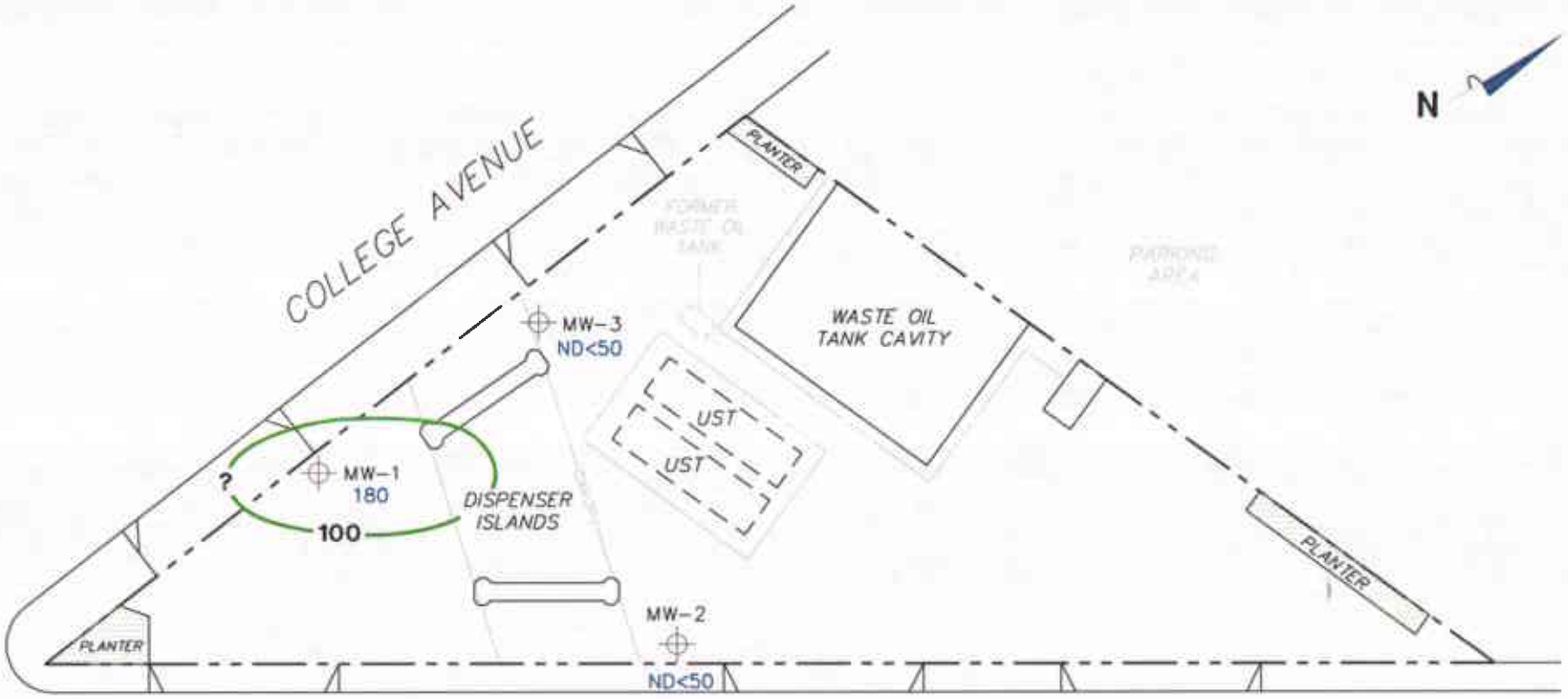
PS=1:1 0018-003

GROUNDWATER ELEVATION CONTOUR MAP
May 7, 2004

76 Station 0018
6201 Claremont Avenue
Oakland, California

FIGURE 2

Graphics on Ir1(li:)\GRAPHICS\Projects By...\20-xxxx\20-0400\x-0000\0018\0018+/0018gms.dwg 5/27/05 dml



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
May 7, 2004

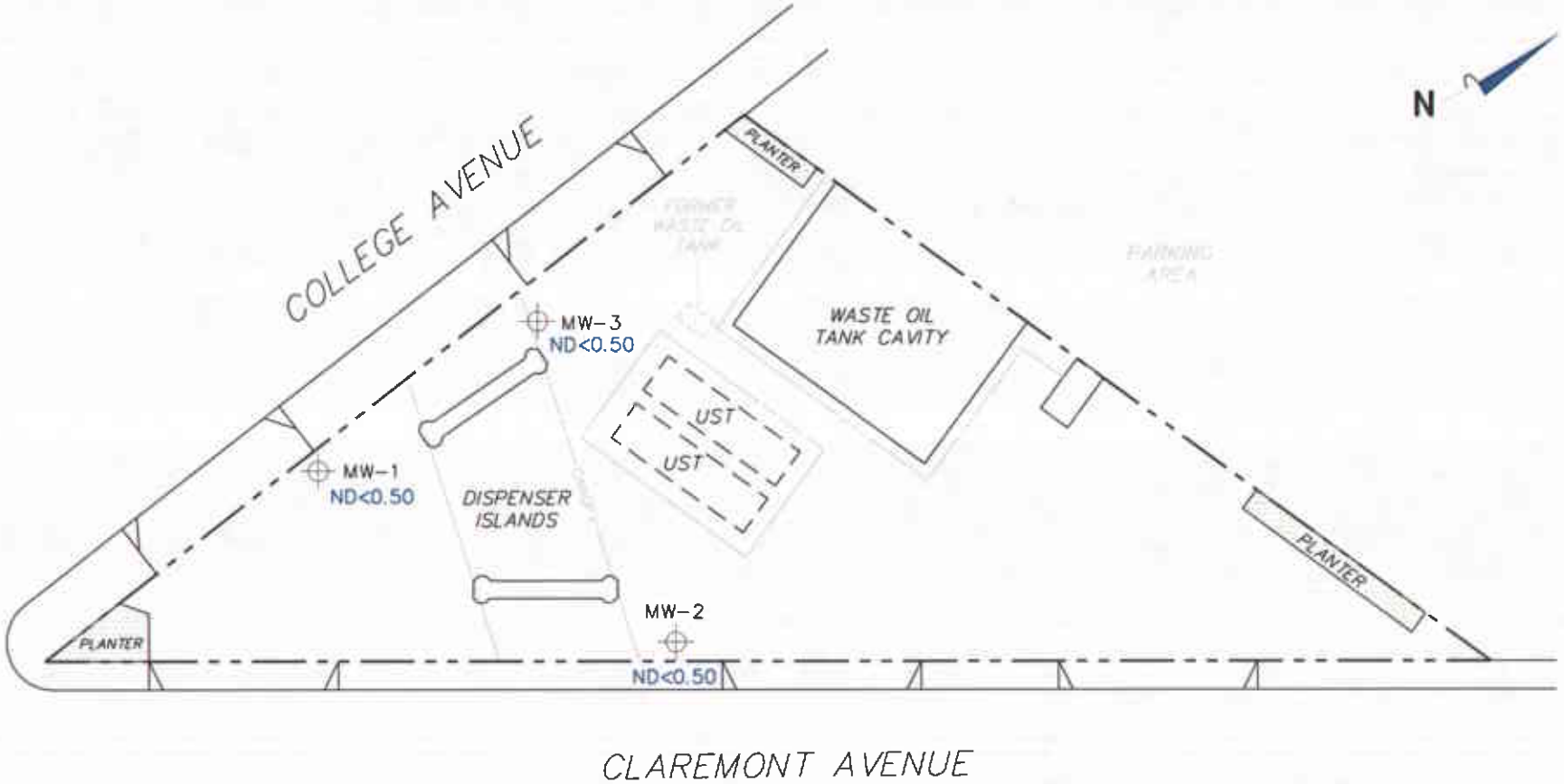
76 Station 0018
6201 Claremont Avenue
Oakland, California

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 5/27/05 dml



SCALE (FEET)

0 40

DISSOLVED-PHASE BENZENE CONCENTRATIONS MAP
May 7, 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.

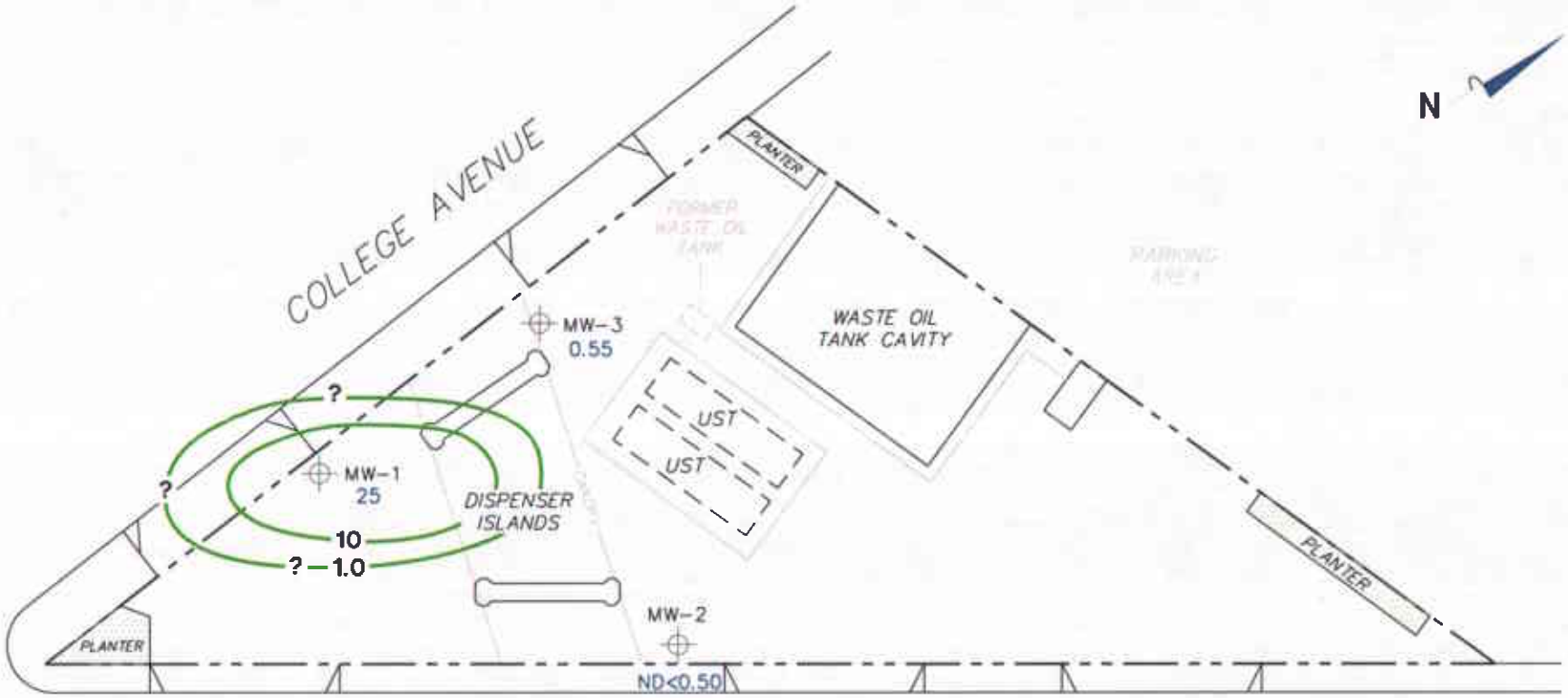
LEGEND

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 5/27/05 dml



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
May 7, 2004

76 Station 0018
6201 Claremont Avenue
Oakland, California

FIGURE 5

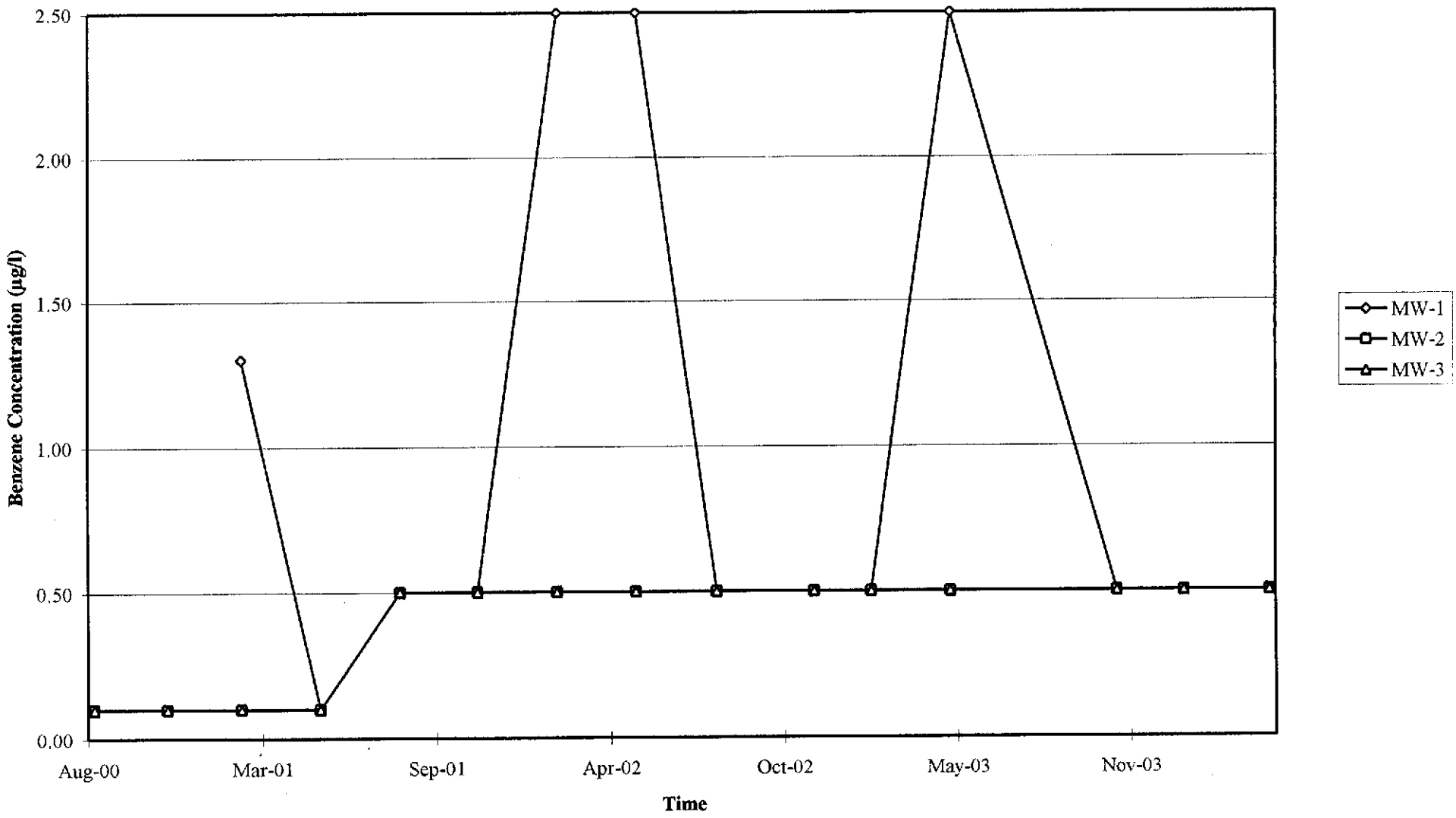
TRC

PS=1:1 0018-003

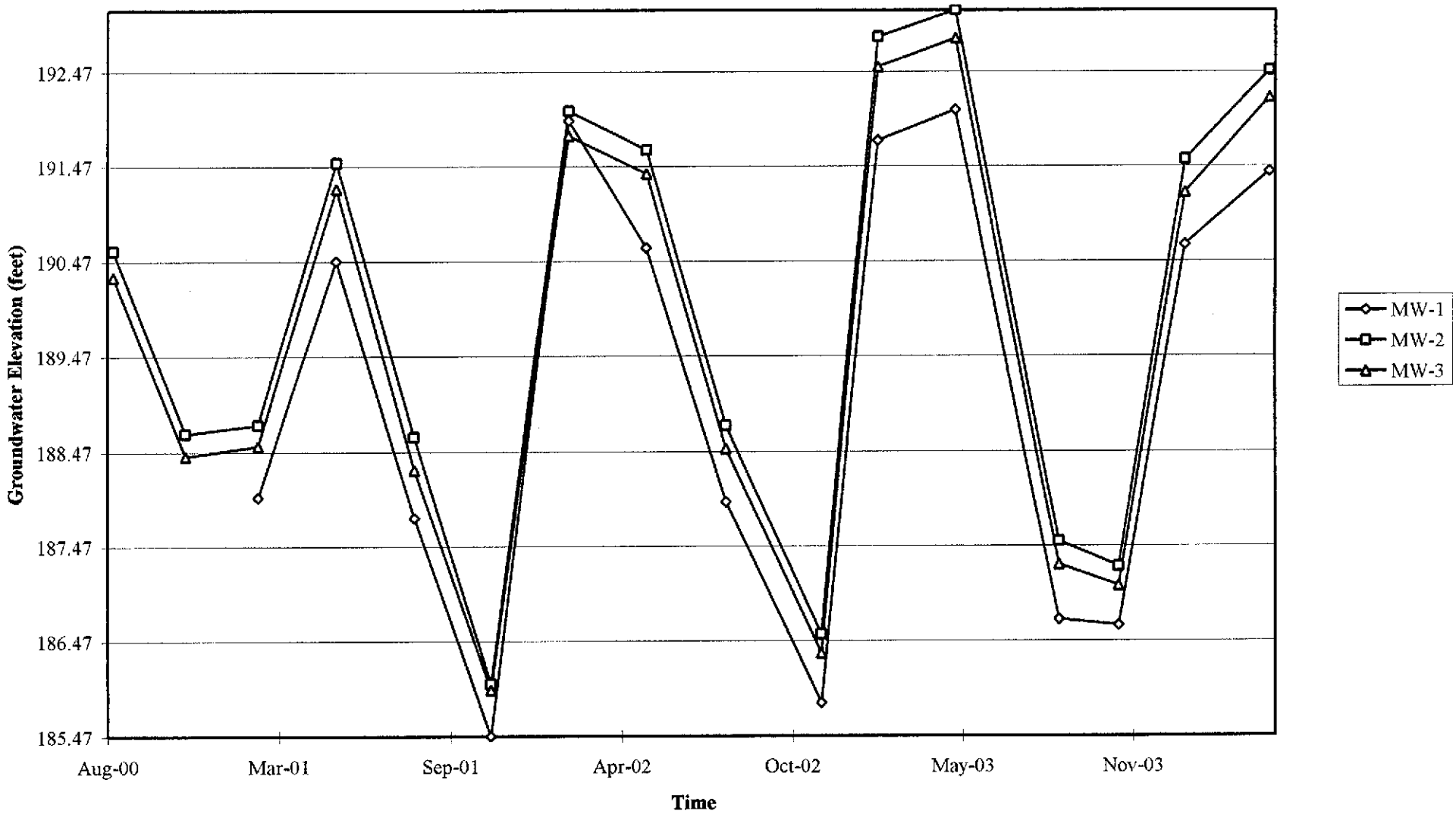
Graphics on Ir1(li:)\GRAPHICS\Projects By...\20-xxxx\20-0400\x-0000\0018\0018+/0018qms.dwg 5/27/05 dml

GRAPHS

Graph 1
Benzene Concentrations vs. Time
76 Station 0018



Graph 2
Hydrograph
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: David Tenney Job #/Task #: 410900-01/FA20 Date: 5-7-04

Site # 0018 Project Manager Barbara Moed Page 1 of 1

Well #	Grade	TOC	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
MW-3		X	29.88	16.79	~~0~~	~~0~~	1001	2"
MW-1		X	29.71	16.74	~~0~~	~~0~~	0938	2"
MW-2		X	29.58	17.79	~~0~~	~~0~~	1026	2"

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

WTT CERTIFICATE MANIFEST DRUM INVENTORY ✓ TRAFFIC CONTROL

GROUNDWATER SAMPLING FIELD NOTES

Technician: David Tenney

Site: 0018 Project No.: 410500-01/FA20 Date: 5-7-04

Well No.: MW-3 Purge Method: Sub 0969

Depth to Water (feet): 16.79 Depth to Product (feet): 0

Total Depth (feet): 29.88 LPH & Water Recovered (gallons): 0

Water Column (feet): 13.09 Casing Diameter (Inches): 2

80% Recharge Depth (feet): 19.41 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0951			2	620	18.1	6.40		
			4	664	18.5	5.70		
	0956		6	641	18.9	5.39		

Static at Time Sampled		Total Gallons Purged	Time Sampled
19.37		6	1001

Comments:

Well No.: MW-1 Purge Method: Sub 0969

Depth to Water (feet): 16.74 Depth to Product (feet): 0

Total Depth (feet): 29.71 LPH & Water Recovered (gallons): 0

Water Column (feet): 12.97 Casing Diameter (Inches): 2

80% Recharge Depth (feet): 19.33 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0925			2	751w	17.6	5.87		
			4	755	18.6	5.66		
	0931		6	739	19.4	5.45		

Static at Time Sampled		Total Gallons Purged		Time Sampled
19.25		6		0938

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: David Tenney

Site: 0018 Project No.: 410500-01/FA20 Date: 5-7-04

Well No.: MW-2 Purge Method: Sub 0969

Depth to Water (feet): 17.79 Depth to Product (feet): 0

Total Depth (feet): 29.58 LPH & Water Recovered (gallons): 0

Water Column (feet): 11.79 Casing Diameter (Inches): 2

80% Recharge Depth (feet): 20.15 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
1013			2	499	18.3	7.23		
			4	498	18.7	6.02		
	1019		6	497	19.1	5.51		

Static at Time Sampled	Total Gallons Purged	Time Sampled
17.90	6	1026

Comments:

Well No.: Purge Method:

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

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

Water Column (feet): Casing Diameter (Inches):

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

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

Static at Time Sampled	Total Gallons Purged		Time Sampled

Comments:

STL

Submission#: 2004-05-0345

TRC Alton Geoscience

May 24, 2004

21 Technology Drive
Irvine, CA 92718

Attn.: Anju Farfan

Project#: 41050001FA20
Project: Conoco Phillips # 0018
Site: 6201 Claremont Boulevard

Attached is our report for your samples received on 05/10/2004 12:20
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 06/24/2004 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

Submission: 2004-05-0345

Project Verification [redacted]

Received on: 05/10/2004 12:20
By: Dimple Sharma
Cooler Tmp: 3.0

Project#: 41050001FA20
Project: Conoco Phillips # 0018

From: **TRC Alton Geoscience**
Anju Farfan
21 Technology Drive
Irvine, CA 92718

6201 Claremont Boulevard

STL San Francisco
1220 Quarry Ln
Pleasanton CA 94566

Tel.: (925) 484-1919
Fax: (925) 484-1096
www.stl-inc.com

CA DHS ELAP#:2496

Lab Sample #	Sample ID	Matrix	Sampled
EPA Method	Analysis	TAT	Due Date
2004-05-0345 - 1	**MW-3**	**Water**	05/07/2004 10:01
8260B	Gas/BTEX Fuel Oxygenates by 8260B (Selectable)	9 Day	05/21/2004 17:00
	Benzene, Ethanol, Ethylbenzene, Gasoline, Methyl tert-butyl ether (MTBE), Toluene, Total xylenes		
2004-05-0345 - 2	**MW-1**	**Water**	05/07/2004 09:38
8260B	Gas/BTEX Fuel Oxygenates by 8260B (Selectable)	9 Day	05/21/2004 17:00
	1,2-DCA, Benzene, Di-isopropyl Ether (DIPE), EDB, Ethanol, Ethyl tert-butyl ether (ETBE), Ethylbenzene, Gasoline, Methyl tert-butyl ether (MTBE), tert-Amyl methyl ether (TAME), tert-Butyl alcohol (TBA), Toluene, Total xylenes		
2004-05-0345 - 3	**MW-2**	**Water**	05/07/2004 10:26
8260B	Gas/BTEX Fuel Oxygenates by 8260B (Selectable)	9 Day	05/21/2004 17:00
	Benzene, Ethanol, Ethylbenzene, Gasoline, Methyl tert-butyl ether (MTBE), Toluene, Total xylenes		

MS - Sample will be spiked for the analysis (Matrix Spike)

STL

Submission #: 2004-05-0345

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 0018

Received: 05/10/2004 12:20

Site: 6201 Claremont Boulevard

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-3	05/07/2004 10:01	Water	1
MW-1	05/07/2004 09:38	Water	2
MW-2	05/07/2004 10:26	Water	3

STL

Submission #: 2004-05-0345

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 0018

Received: 05/10/2004 12:20

Site: 6201 Claremont Boulevard

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**MW-3**	Lab ID:	2004-05-0345 - 1
Sampled:	05/07/2004 10:01	Extracted:	5/20/2004 22:59
Matrix:	Water	QC Batch#:	2004/05/20-02.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	05/20/2004 22:59	
Benzene	ND	0.50	ug/L	1.00	05/20/2004 22:59	
Toluene	ND	0.50	ug/L	1.00	05/20/2004 22:59	
Ethylbenzene	ND	0.50	ug/L	1.00	05/20/2004 22:59	
Total xylenes	ND	1.0	ug/L	1.00	05/20/2004 22:59	
Methyl tert-butyl ether (MTBE)	0.55	0.50	ug/L	1.00	05/20/2004 22:59	
Ethanol	ND	50	ug/L	1.00	05/20/2004 22:59	
Surrogate(s)						
Toluene-d8	98.4	88-110	%	1.00	05/20/2004 22:59	
1,2-Dichloroethane-d4	105.9	76-114	%	1.00	05/20/2004 22:59	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 0018

Received: 05/10/2004 12:20

Site: 6201 Claremont Boulevard

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**MW-1**	Lab ID:	2004-05-0345 - 2
Sampled:	05/07/2004 09:38	Extracted:	5/20/2004 23:21
Matrix:	Water	QC Batch#:	2004/05/20-02.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	180	50	ug/L	1.00	05/20/2004 23:21	g
Benzene	ND	0.50	ug/L	1.00	05/20/2004 23:21	
Toluene	ND	0.50	ug/L	1.00	05/20/2004 23:21	
Ethylbenzene	ND	0.50	ug/L	1.00	05/20/2004 23:21	
Total xylenes	ND	1.0	ug/L	1.00	05/20/2004 23:21	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	05/20/2004 23:21	
Methyl tert-butyl ether (MTBE)	25	0.50	ug/L	1.00	05/20/2004 23:21	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	05/20/2004 23:21	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	05/20/2004 23:21	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	05/20/2004 23:21	
1,2-DCA	ND	0.50	ug/L	1.00	05/20/2004 23:21	
EDB	ND	0.50	ug/L	1.00	05/20/2004 23:21	
Ethanol	ND	50	ug/L	1.00	05/20/2004 23:21	
Surrogate(s)						
Toluene-d8	97.6	88-110	%	1.00	05/20/2004 23:21	
1,2-Dichloroethane-d4	103.5	76-114	%	1.00	05/20/2004 23:21	

STL

Submission #: 2004-05-0345

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 0018

Received: 05/10/2004 12:20

Site: 6201 Claremont Boulevard

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**MW-2**	Lab ID:	2004-05-0345 - 3
Sampled:	05/07/2004 10:26	Extracted:	5/20/2004 23:43
Matrix:	Water	QC Batch#:	2004/05/20-02.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	05/20/2004 23:43	
Benzene	ND	0.50	ug/L	1.00	05/20/2004 23:43	
Toluene	ND	0.50	ug/L	1.00	05/20/2004 23:43	
Ethylbenzene	ND	0.50	ug/L	1.00	05/20/2004 23:43	
Total xylenes	ND	1.0	ug/L	1.00	05/20/2004 23:43	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	05/20/2004 23:43	
Ethanol	ND	50	ug/L	1.00	05/20/2004 23:43	
Surrogate(s)						
Toluene-d8	96.2	88-110	%	1.00	05/20/2004 23:43	
1,2-Dichloroethane-d4	105.9	76-114	%	1.00	05/20/2004 23:43	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 0018

Received: 05/10/2004 12:20

Site: 6201 Claremont Boulevard

Batch QC Report

Prep(s): 5030B — Test(s): 8260FAB

Method Blank — **Water** — **QC Batch # 2004/05/20-02.64**

MB: 2004/05/20-02.64-050 — Date Extracted: 05/20/2004 18:50

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	05/20/2004 18:50	
Benzene	ND	0.5	ug/L	05/20/2004 18:50	
Toluene	ND	0.5	ug/L	05/20/2004 18:50	
Ethylbenzene	ND	0.5	ug/L	05/20/2004 18:50	
Total xylenes	ND	1.0	ug/L	05/20/2004 18:50	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	05/20/2004 18:50	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	05/20/2004 18:50	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	05/20/2004 18:50	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	05/20/2004 18:50	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	05/20/2004 18:50	
1,2-DCA	ND	0.5	ug/L	05/20/2004 18:50	
EDB	ND	0.5	ug/L	05/20/2004 18:50	
Ethanol	ND	50	ug/L	05/20/2004 18:50	
Surrogates(s)					
1,2-Dichloroethane-d4	107.0	72-128	%	05/20/2004 18:50	
Toluene-d8	100.4	80-113	%	05/20/2004 18:50	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 0018

Received: 05/10/2004 12:20

Site: 6201 Claremont Boulevard

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike **Water** **QC Batch # 2004/05/20-02.64**

LCS 2004/05/20-02.64-006 Extracted: 05/20/2004 Analyzed: 05/20/2004 18:06

LCSD 2004/05/20-02.64-028 Extracted: 05/20/2004 Analyzed: 05/20/2004 18:28

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	22.3	20.2	25.0	89.2	80.8	9.9	69-129	20		
Toluene	22.9	20.9	25.0	91.6	83.6	9.1	70-130	20		
Methyl tert-butyl ether (MTBE)	24.4	23.1	25.0	97.6	92.4	5.5	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	518	498	500	103.6	99.6		72-128			
Toluene-d8	519	505	500	103.8	101.0		80-113			

STL

Submission #: 2004-05-0345

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips # 0018

Received: 05/10/2004 12:20

Site: 6201 Claremont Boulevard

Legend and Notes

Result Flag

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard.

STL

STL San Francisco

Sample Receipt Checklist

Submission #:2004-05-0345

Checklist completed by: (initials) JM Date: 05/11/04

Courier name: ☑ STL San Francisco ☐ Client _____

Custody seals intact on shipping container/samples	Yes___ No___	Not Present ✓
Chain of custody present?	Yes ✓	No___
Chain of custody signed when relinquished and received?	Yes ✓	No___
Chain of custody agrees with sample labels?	Yes ✓	No___
Samples in proper container/bottle?	Yes ✓	No___
Sample containers intact?	Yes ✓	No___
Sufficient sample volume for indicated test?	Yes ✓	No___
All samples received within holding time?	Yes ✓	No___
Container/Temp Blank temperature in compliance (4^{o} C ± 2)?	Temp: 3.0 °C Yes ✓	No___
	Ice Present Yes ✓	No___
Water - VOA vials have zero headspace?	No VOA vials submitted___ Yes___	No ✓

4 COOLERS RECD
3.0/3.0/4.0/4.0

(if bubble is present, refer to approximate bubble size and itemize in comments as S (small ~O), M (medium ~ O) or L (large ~ O)

Water - pH acceptable upon receipt? ☐ Yes ☐ No

☐ pH adjusted– Preservative used: ☐ HNO_3 ☐ HCl ☐ H_2SO_4 ☐ NaOH ☐ ZnOAc –Lot #(s) _____

For any item check-listed "No", provided detail of discrepancy in comment section below:

Comments:

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (initials) _____ Date: ____/____/04

Client contacted: ☐ Yes ☐ No

Summary of discussion:

Corrective Action (per PM/Client):

2004-05-0345

ConocoPhillips Chain Of Custody Record

85666

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

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

ConocoPhillips Site Manager:

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

ConocoPhillips Work Order Number: 1062 TRC 500

ConocoPhillips Cost Object:

DATE: 5-7-04

PAGE: 1 of 1

SAMPLING COMPANY: TRC	Valid Value ID:	CONOCOPHILLIPS SITE NUMBER: 0018	GLOBAL ID NO.: T0600102231
ADDRESS: 21 Technology Drive, Irvine CA 92618		SITE ADDRESS (Street and City): 6201 Claremont Boulevard	CONOCOPHILLIPS SITE MANAGER: Thomas H. Kosel
PROJECT CONTACT (Hardcopy or PDF Report to): Anju Farfan		EDF DELIVERABLE TO (EP or Designee): Peter Thomson, TRC pthomson@trcsolutions.com	PHONE NO.: 949-341-7408
TELEPHONE: 949-341-7440	FAX: 949-753-0111	E-MAIL: afarfan@trcsolutions.com	E-MAIL:
SAMPLER NAME(S) (Print): David Tenney	CONSULTANT PROJECT NUMBER: 41050001/FA20		LAB USE ONLY

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/MBE	8260B - TPHg / BTEX / 8 Oxygenates	8260B - TPHg / BTEX / 8 oxygenates + methanol (8015M)	8260B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	8015M / 8021B - TPHg/BTEX/MtBE	Lead ☐Total ☐STLC ☐TCLP	TPH by 8260	BTEX/MTBE/8OXYS by 8260	BTEX/MTBE/EDB/EDC by 8260B	
	MW-3	5-7	1001											x		x	
	MW-1	↓	0938											↓	x		
	MW-2		1026											↓		x	

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

5.0 °C

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
David Tenney	Refrigerator	5-7-04	1200
		5/10/04	1041
		05/10/04	1220

STATEMENTS

Purge Water Transport and Disposal

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

Limitations

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