



76 Broadway
Sacramento, California 95818

April 27, 2006

RECEIVED

By loprojectop at 8:41 am, May 01, 2006

Mr. Don Hwang
Alameda County Health Agency
1131 Harbor Bay Parkway
Alameda, California 94502

Re: **Report Transmittal
Quarterly Report
First Quarter – 2006
76 Service Station #0018
6201 Claremont Avenue
Oakland, CA**

Dear Mr. Hwang:

I declare under penalty of perjury that to the best of my knowledge the information and/or recommendations contained in the attached report is/are true and correct.

If you have any questions or need additional information, please contact

Shelby S. Lathrop (Contractor)
ConocoPhillips
Risk Management & Remediation
76 Broadway
Sacramento, CA 95818
Phone: 916-558-7609
Fax: 916-558-7639

Sincerely,

Thomas Kosel
Risk Management & Remediation

Attachment



April 27, 2006

TRC Project No. 42016508

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

RECEIVED

By loprojectop at 8:41 am, May 01, 2006

**RE: Quarterly Status Report – First Quarter 2006
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 2006 Status Report for the subject site.

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 (ACHCS).

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 concentrations of total petroleum hydrocarbons as gasoline (TPH-g), benzene, and methyl tertiary butyl ether (MTBE).

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

SENSITIVE RECEPTORS

April 13, 2006: TRC completed a sensitive receptor survey for the site. According to the Department of Water Resources (DWR) records, no water supply wells are located within a one-half mile radius of the Site. In addition, no surface water bodies were identified within one-half mile radius of the Site.

MONITORING AND SAMPLING

Three onsite wells are currently monitored quarterly. All three wells were gauged and sampled this quarter. The groundwater gradient flow direction is toward the south at a calculated hydraulic gradient of 0.06 feet per foot.

CHARACTERIZATION STATUS

Total purgeable petroleum hydrocarbons (TPPH) were detected in one of the three site wells with a maximum concentration of 130 micrograms per liter ($\mu\text{g/l}$) in well MW-1. Benzene was not detected above laboratory reporting limits in the three wells sampled. MTBE was detected in one of three site wells at a concentration of 21 $\mu\text{g/l}$ in well MW-1.

REMEDIATION STATUS

Remediation is not currently being conducted at the site.

RECENT CORRESPONDENCE

January 6, 2006: TRC submitted a No Further Action Required Report - Request For Closure to the ACHCS.

April 24, 2006: TRC submitted a Sensitive Receptor Survey Report to the ACHCS. No current or potential sensitive receptors were identified within one-half mile of the subject site.

CURRENT QUARTER ACTIVITIES

March 8, 2006: 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.

CONCLUSIONS AND RECOMMENDATIONS


Based on the low residual TPPH and MTBE concentrations in groundwater in MW-1 and on the non-detect concentrations reported in site wells MW-2 and MW-3 over the past several years, and on the absence of any current or potential receptors within a one-half mile radius of the Site, TRC recommend no further action and requested the site be referred for closure.

TRC recommends continuing quarterly monitoring and sampling pending no further action and site closure.

QSR – First Quarter 2006
76 Service Station #0018, Oakland, California
April 27, 2006
Page 3

If you have any questions regarding this report, please call me at (925) 688-2488.

Sincerely,
TRC

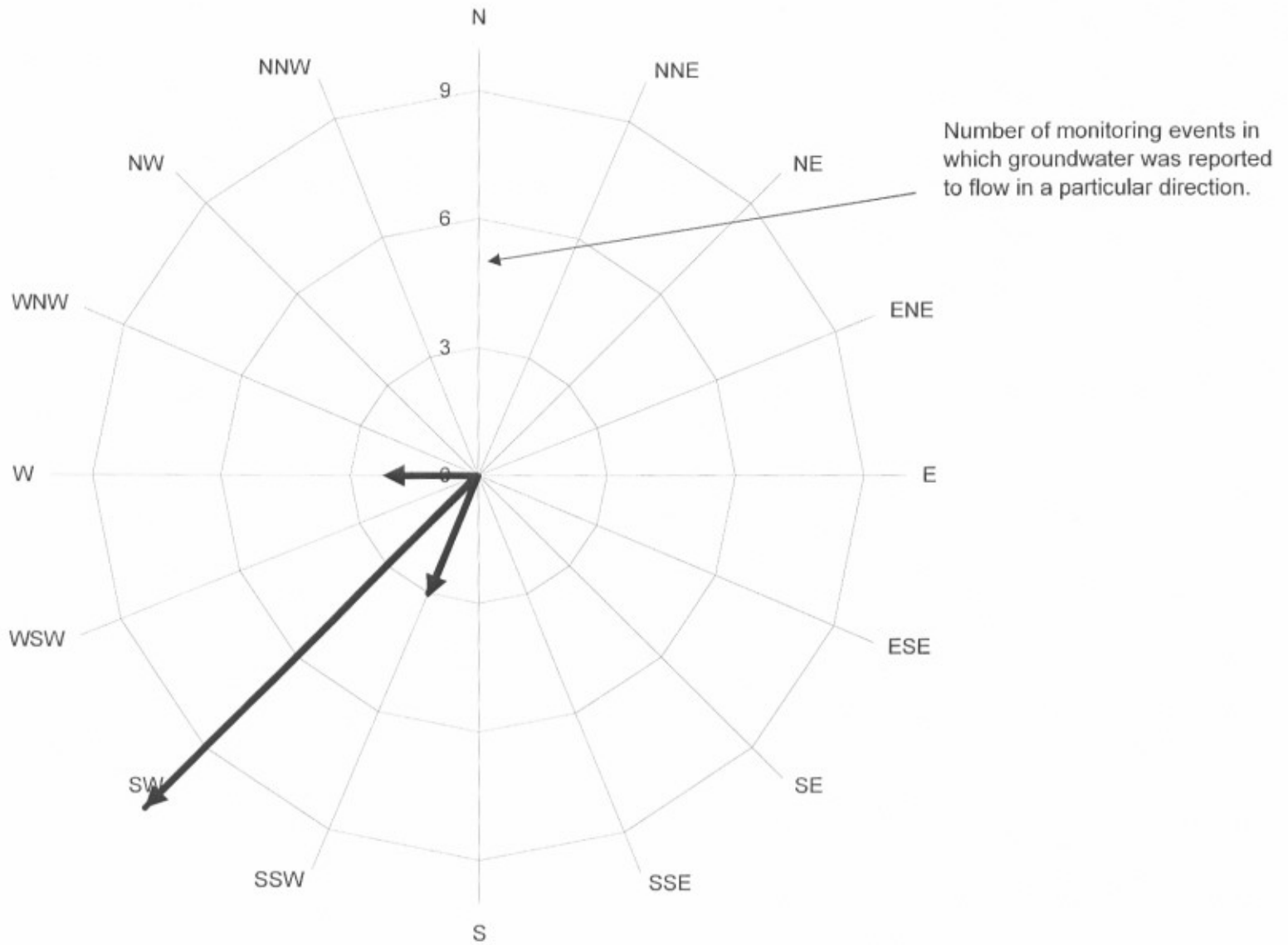

Keith Woodburne, P.G.
Senior Project Geologist



Attachment:
Quarterly Monitoring Report, January through March 2006 (TRC, March 30, 2006)
Historical Groundwater Flow Directions – October 2000 through March 2006

cc: Shelby Lathrop, ConocoPhillips (electronic upload only)

**Historical Groundwater Flow Directions
for Tosco (76) Service Station No. 0018
October 2000 through March 2006**





March 30, 2006

ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

ATTN: MS. SHELBY LATHROP

SITE: 76 STATION 0018
6201 CLAREMONT AVENUE
OAKLAND, CALIFORNIA

RE: QUARTERLY MONITORING REPORT
JANUARY THROUGH MARCH 2006

Dear Ms. Lathrop:

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 that reads 'Anju Farfan'.

Anju Farfan
QMS Operations Manager

CC: Mr. Keith Woodburne, TRC (4 copies)

Enclosures
20-0400/0018R10.QMS

21 Technology Drive • Irvine, California 92618
Main: 949-727-9336 • Fax: 949-727-7399
www.trcsolutions.com





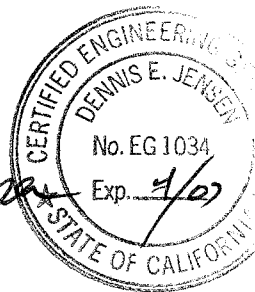
**QUARTERLY MONITORING REPORT
JANUARY THROUGH MARCH 2006**

76 STATION 0018
6201 Claremont Avenue
Oakland, California

Prepared For:

Ms. Shelby Lathrop
CONOCOPHILLIPS COMPANY
76 Broadway
Sacramento, California 95818

By:



Senior Project Geologist, Irvine Operations
March 28, 2006



LIST OF ATTACHMENTS

Summary Sheet	Summary of Gauging and Sampling Activities
Tables	Table Key Contents of Tables Table 1: Current Fluid Levels and Selected Analytical Results Table 1a: Additional Current Analytical Results Table 2: Historic Fluid Levels and Selected Analytical Results Table 2a: Additional Current 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 Field Monitoring Data Sheet – 03/08/06 Groundwater Sampling Field Notes – 03/08/06
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Statements	Purge Water Disposal Limitations

Summary of Gauging and Sampling Activities
January 2006 through March 2006
76 Station 0018
6201 Claremont Boulevard
Oakland, CA

Project Coordinator: **Shelby Lathrop**
Telephone: **916-558-7609**
Date(s) of Gauging/Sampling Event: **03/08/06**

Water Sampling Contractor: **TRC**
Compiled by: **Christina Carrillo**

Sample Points

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

Liquid Phase Hydrocarbons (LPH)

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

Hydrogeologic Parameters

Depth to groundwater (below TOC): Minimum: **11.69 feet** Maximum: **13.25 feet**
Average groundwater elevation (relative to available local datum): **196.80 feet**
Average change in groundwater elevation since previous event: **2.75 feet**
Interpreted groundwater gradient and flow direction:
 Current event: **0.006 ft/ft, south**
 Previous event: **0.03 ft/ft, west (12/30/05)**

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

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.

Contents of Tables

Site: 76 Station 0018

Current Event

Table 1	Well/ Date	Depth to Water	LPH Thickness	Ground- water Elevation	Change in Elevation	TPH-G (8015M)	TPPH (8260)	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	Comments
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Table 1a	Well/ Date	TBA	Ethanol (8260B)	Ethylene- dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME
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Historic Data

Table 2	Well/ Date	Depth to Water	LPH Thickness	Ground- water Elevation	Change in Elevation	TPH-G (8015M)	TPPH (8260)	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	Comments
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Table 2a	Well/ Date	TBA	Ethanol (8260B)	Ethylene- dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME
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Table 1
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
March 8, 2006
76 Station 0018

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPPH (8260)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	Comments
(feet)	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-1		(Screen Interval in feet: 10.0-30.0)												
3/8/2006	208.15	11.69	0.00	196.46	2.93	--	130	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	21	
MW-2		(Screen Interval in feet: 10.0-30.0)												
3/8/2006	210.27	13.25	0.00	197.02	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)												
3/8/2006	208.98	12.06	0.00	196.92	3.78	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	

Table 1 a
ADDITIONAL CURRENT ANALYTICAL RESULTS
76 Station 0018

Date Sampled	TBA	Ethanol (8260B)	Ethylene- dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-1							
3/8/2006	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-2							
3/8/2006	--	ND<250	--	--	--	--	--
MW-3							
3/8/2006	--	ND<250	--	--	--	--	--

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
August 2000 Through March 2006
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 (8015M) (µg/l)	TPPH (8260) (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)														
8/24/2000	208.15	18.55	0.00	189.60	--	120	--	0.67	ND	0.86	1.4	54	54	
11/16/2000	208.15	20.30	0.00	187.85	-1.75	169	--	ND	1.20	1.74	0.629	68.6	97.7	
2/9/2001	208.15	20.16	0.00	187.99	0.14	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	78	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	
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	
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	
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	
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	
8/27/2004	208.15	19.40	0.00	188.75	-2.66	--	100	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	21	
11/23/2004	208.15	19.82	0.00	188.33	-0.42	--	410	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	45	
2/9/2005	208.15	15.81	0.00	192.34	4.01	--	5700	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	40	
6/16/2005	208.15	15.85	0.00	192.30	-0.04	--	200	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	24	
9/27/2005	208.15	19.15	0.00	189.00	-3.30	--	300	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	19	
12/30/2005	208.15	14.62	0.00	193.53	4.53	--	68	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	12	
3/8/2006	208.15	11.69	0.00	196.46	2.93	--	130	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	21	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
August 2000 Through March 2006
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 (8015M) (µg/l)	TPPH (8260) (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 (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	
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	
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	
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	
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	
8/27/2004	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	
11/23/2004	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	
2/9/2005	210.27	16.72	0.00	193.55	4.48	--	ND<50	0.69	1.5	ND<0.50	1.4	--	ND<0.50	
6/16/2005	210.27	16.73	0.00	193.54	-0.01	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
9/27/2005	210.27	20.41	0.00	189.86	-3.68	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/30/2005	210.27	14.79	0.00	195.48	5.62	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
3/8/2006	210.27	13.25	0.00	197.02	1.54	--	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 March 2006
76 Station 0018

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPPH (8260)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	Comments
(feet)	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
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	2.3	
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	
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	
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	
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	
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	
8/27/2004	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	
11/23/2004	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	
2/9/2005	208.98	15.72	0.00	193.26	4.58	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.6	
6/16/2005	208.98	15.67	0.00	193.31	0.05	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
9/30/2005	208.98	19.47	0.00	189.51	-3.80	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	9/27/05 samples broke during shipment.
12/30/2005	208.98	15.84	0.00	193.14	3.63	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
3/8/2006	208.98	12.06	0.00	196.92	3.78	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 0018

Date Sampled	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-1							
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<100	ND<1000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
11/7/2001	ND<20	ND<500	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
2/6/2002	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
5/8/2002	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
8/9/2002	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
11/29/2002	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
2/3/2003	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
5/5/2003	ND<500	ND<2500	ND<10	ND<10	ND<10	ND<10	ND<10
11/13/2003	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
1/29/2004	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
5/7/2004	ND<5.0	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50
8/27/2004	ND<5.0	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50
11/23/2004	7.5	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50
2/9/2005	ND<5.0	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
6/16/2005	ND<5.0	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
9/27/2005	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
12/30/2005	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
3/8/2006	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
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

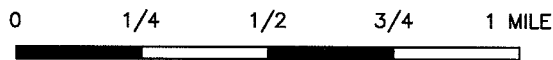
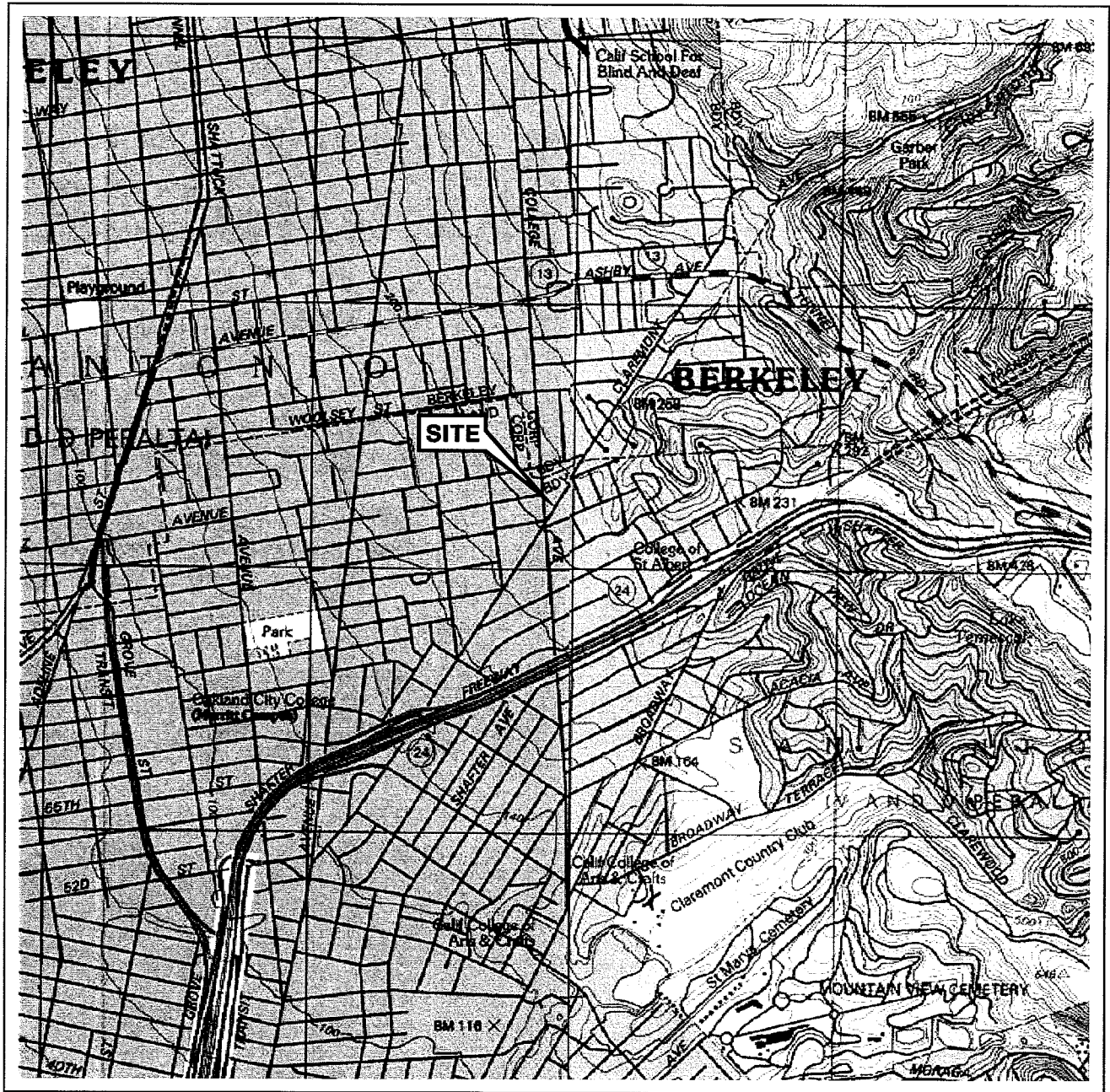
Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 0018

Date Sampled	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-2 continued							
5/11/2001	ND	ND	ND	ND	ND	ND	ND
8/10/2001	ND<100	ND<1000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
11/7/2001	ND<20	ND<500	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
11/13/2003	--	ND<500	--	--	--	--	--
1/29/2004	--	ND<500	--	--	--	--	--
5/7/2004	--	ND<50	--	--	--	--	--
8/27/2004	--	ND<50	--	--	--	--	--
11/23/2004	--	ND<50	--	--	--	--	--
2/9/2005	--	ND<50	--	--	--	--	--
6/16/2005	--	ND<50	--	--	--	--	--
9/27/2005	--	ND<250	--	--	--	--	--
12/30/2005	--	ND<250	--	--	--	--	--
3/8/2006	--	ND<250	--	--	--	--	--
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	ND	ND
5/11/2001	ND	ND	ND	ND	ND	ND	ND
8/10/2001	ND<100	ND<1000000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
11/7/2001	ND<20	ND<500000	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
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	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 0018

Date Sampled	TBA	Ethanol (8260B)	Ethylene- dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-3 continued							
5/7/2004	--	ND<50	--	--	--	--	--
8/27/2004	--	ND<50	--	--	--	--	--
11/23/2004	--	ND<50	--	--	--	--	--
2/9/2005	--	ND<50	--	--	--	--	--
6/16/2005	--	ND<50	--	--	--	--	--
9/30/2005	--	ND<250	--	--	--	--	--
12/30/2005	--	ND<250	--	--	--	--	--
3/8/2006	--	ND<250	--	--	--	--	--

FIGURES



SCALE 1:24,000

SOURCE:

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



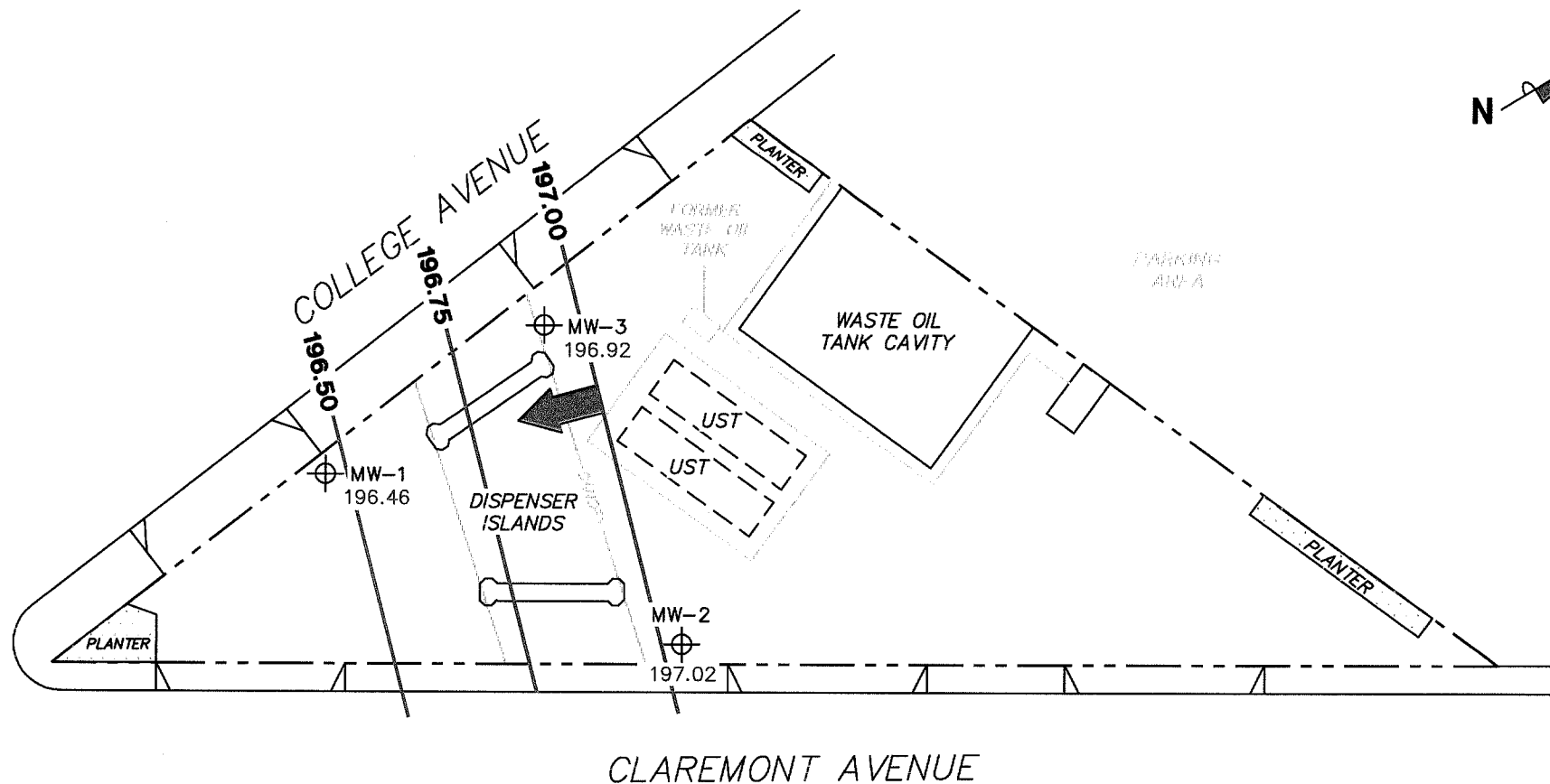
VICINITY MAP

76 Station 0018
6201 Claremont Avenue
Oakland, California

TRC

FIGURE 1

PS = 1:1



LEGEND

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

197.00 — 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.

**GROUNDWATER ELEVATION
CONTOUR MAP
March 8, 2006**

76 Station 0018
6201 Claremont Avenue
Oakland, California

TRC

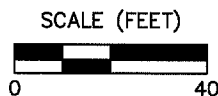
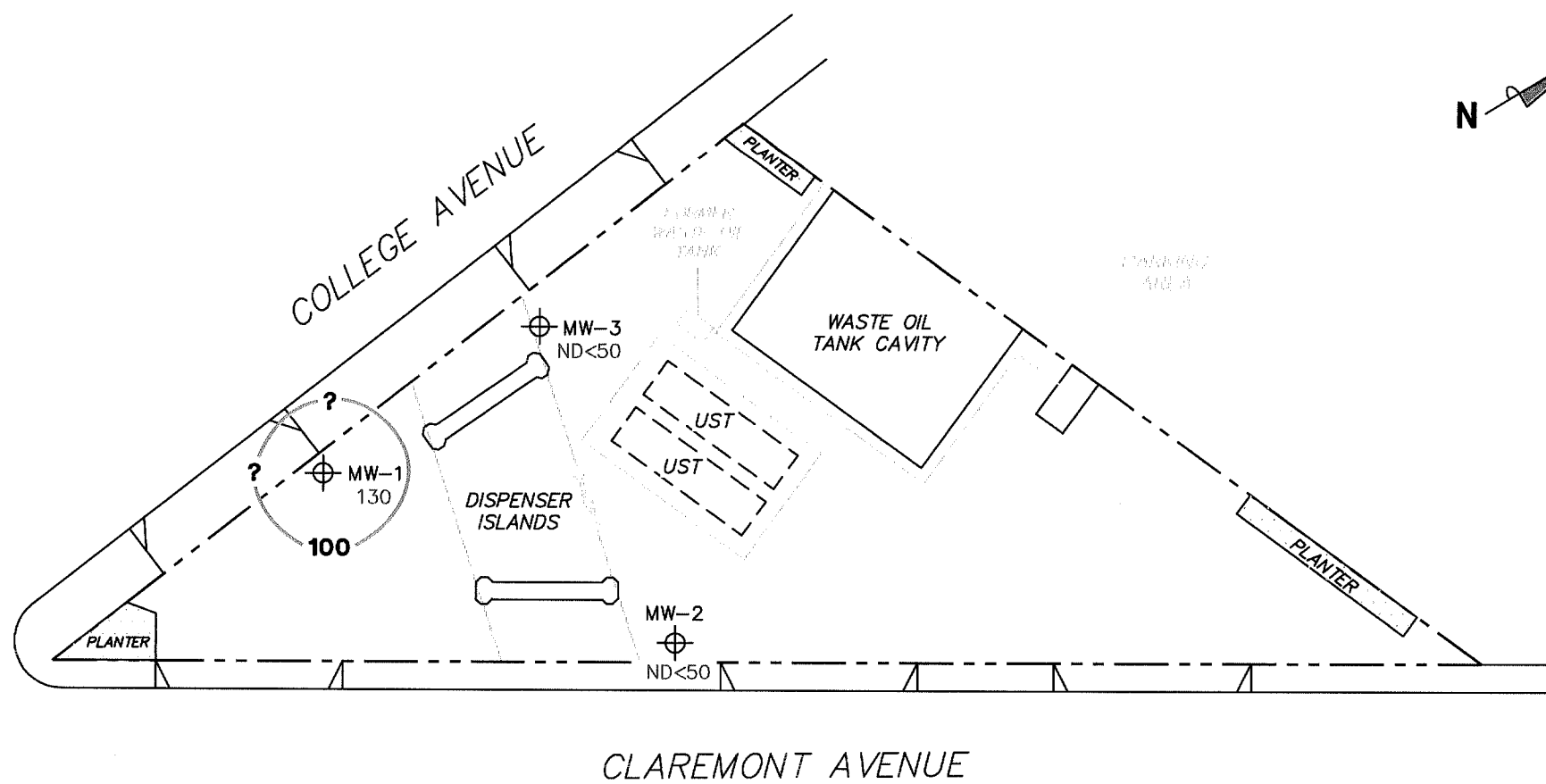


FIGURE 2

PS=1:1 0018-003



LEGEND

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

100 --- Dissolved-Phase TPPH Contour ($\mu\text{g/l}$)

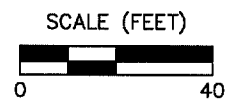
NOTES:

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

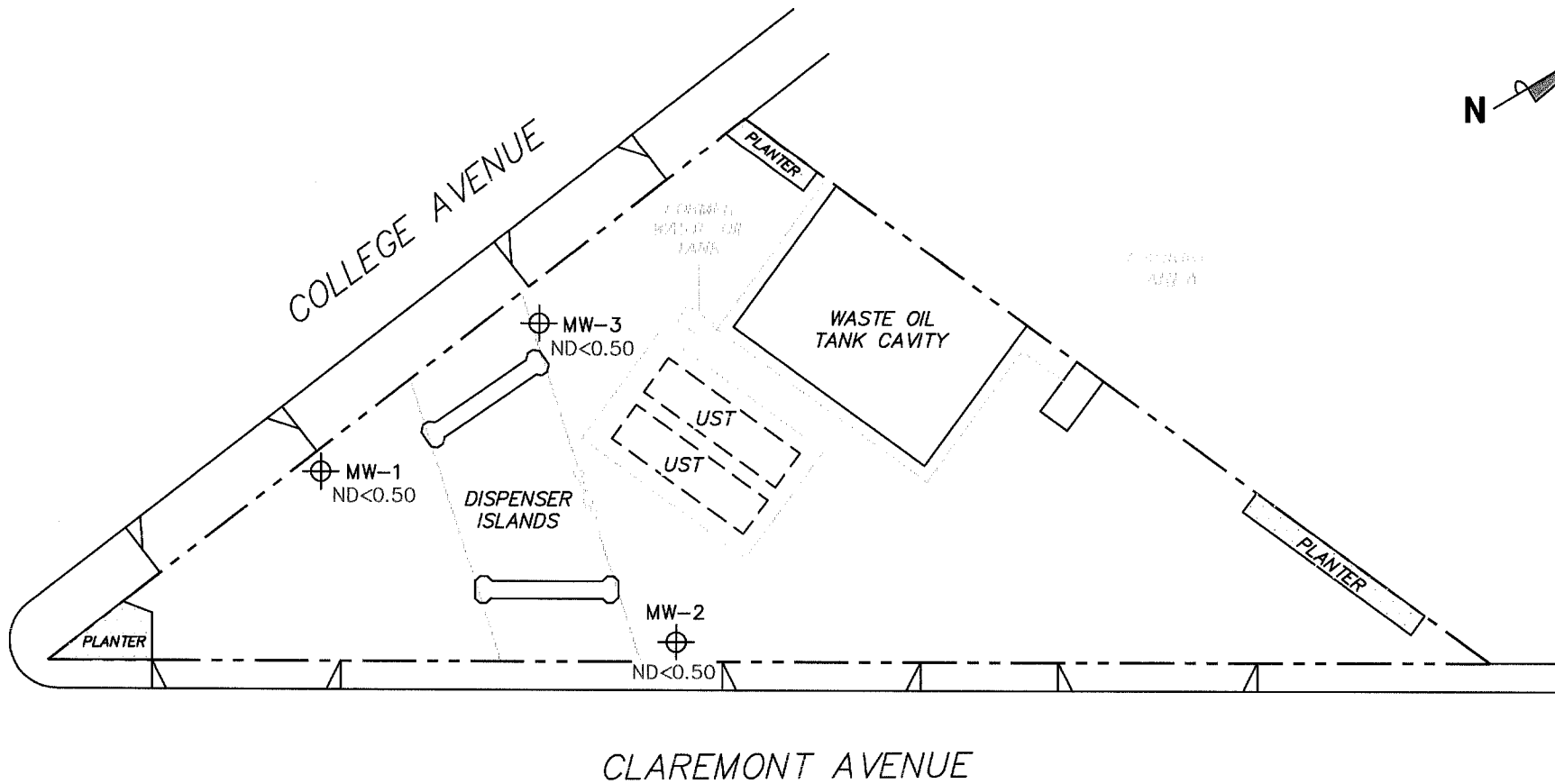
DISSOLVED-PHASE TPPH CONCENTRATIONS MAP
March 8, 2006

76 Station 0018
 6201 Claremont Avenue
 Oakland, California

FIGURE 3



PS=1:1 0018-003



LEGEND

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

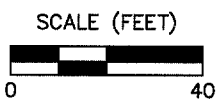
NOTES:

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

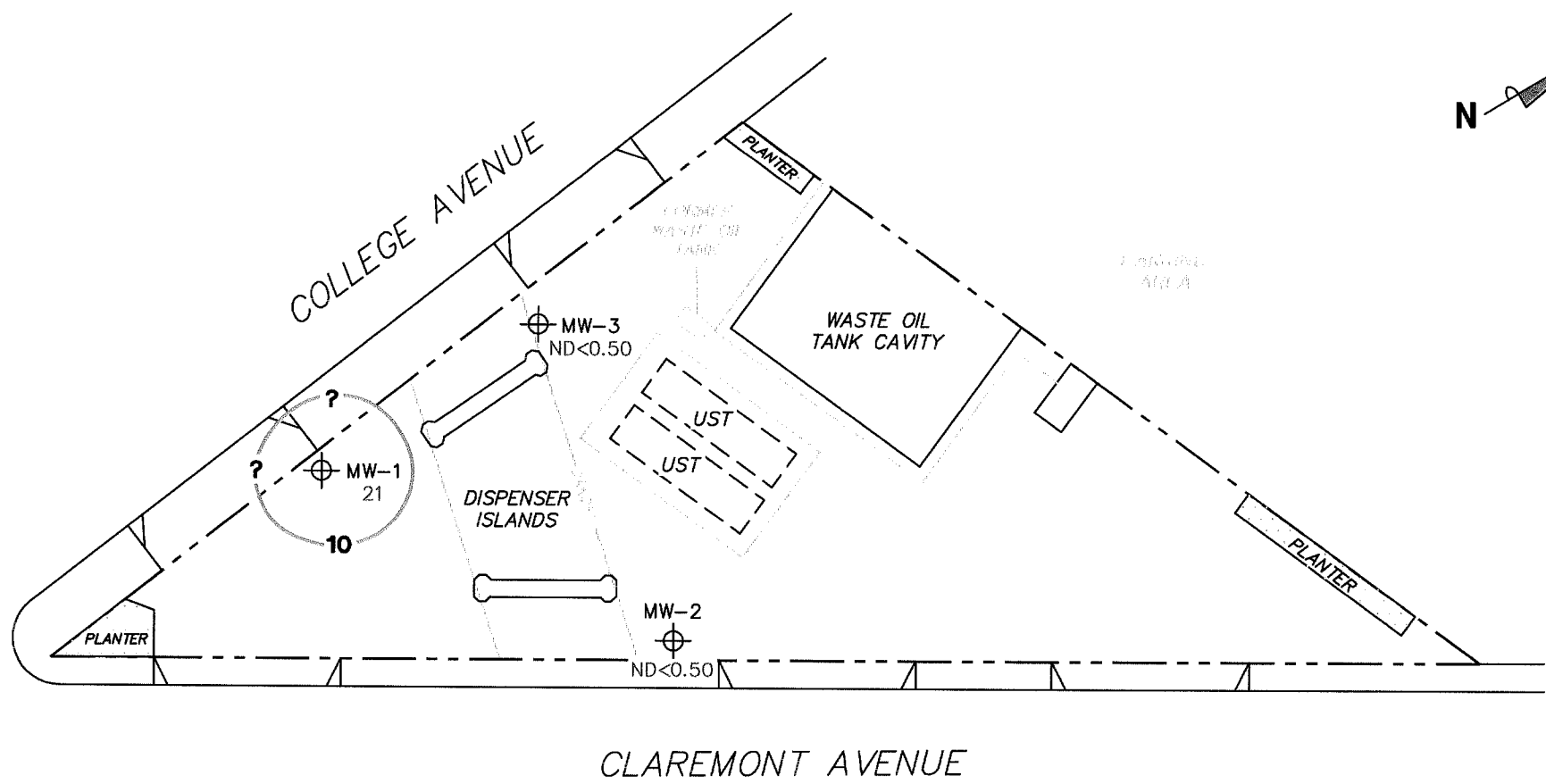
DISSOLVED-PHASE BENZENE CONCENTRATIONS MAP
March 8, 2006

76 Station 0018
 6201 Claremont Avenue
 Oakland, California

FIGURE 4



PS=1:1 0018-003



LEGEND

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

10 --- Dissolved-Phase MTBE Contour ($\mu\text{g/l}$)

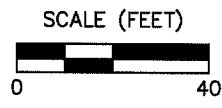
NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. MTBE = methyl tertiary butyl ether. $\mu\text{g/l}$ = 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
March 8, 2006

76 Station 0018
 6201 Claremont Avenue
 Oakland, California

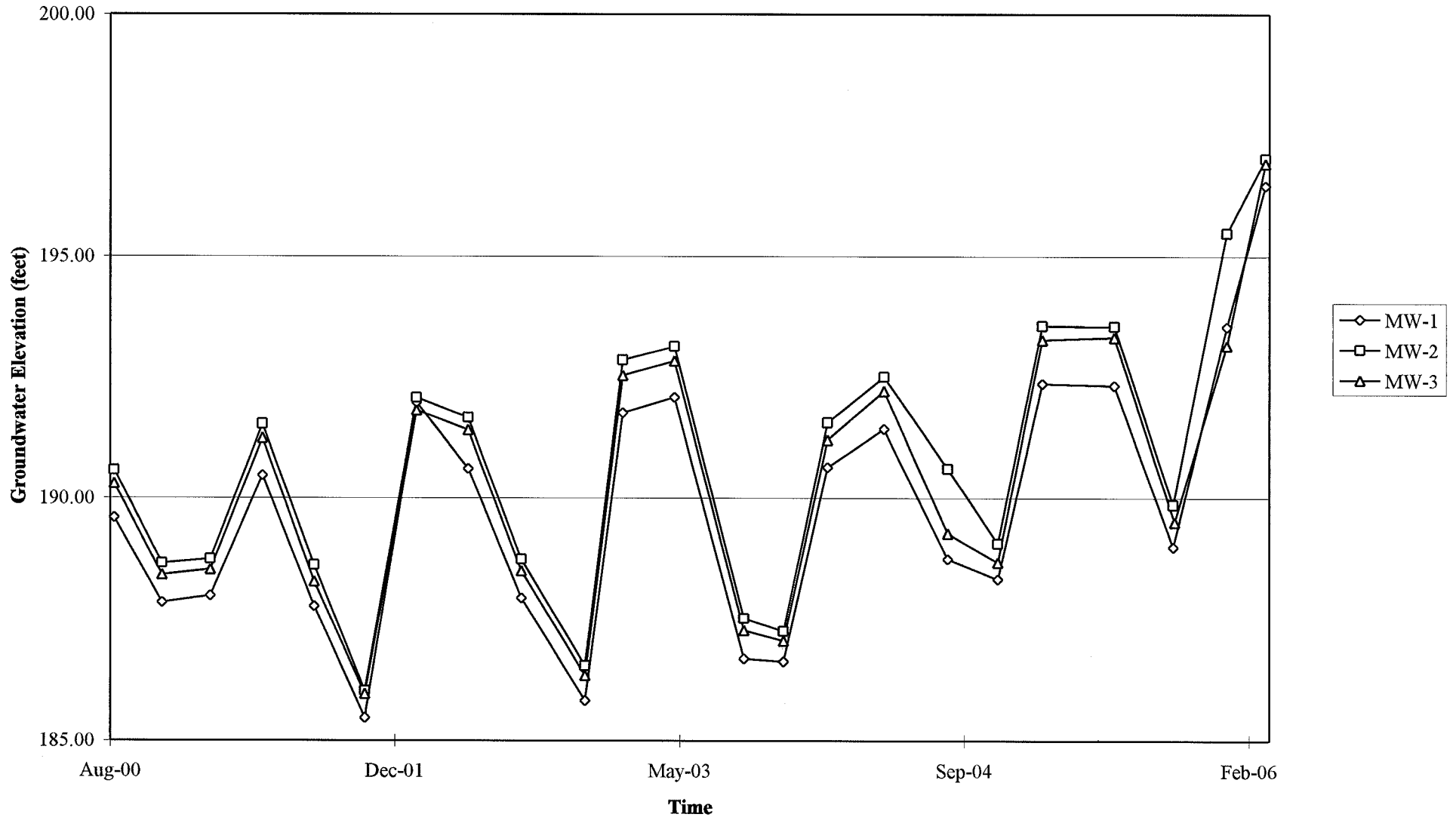
FIGURE 5



PS=1:1 0018-003

GRAPHS

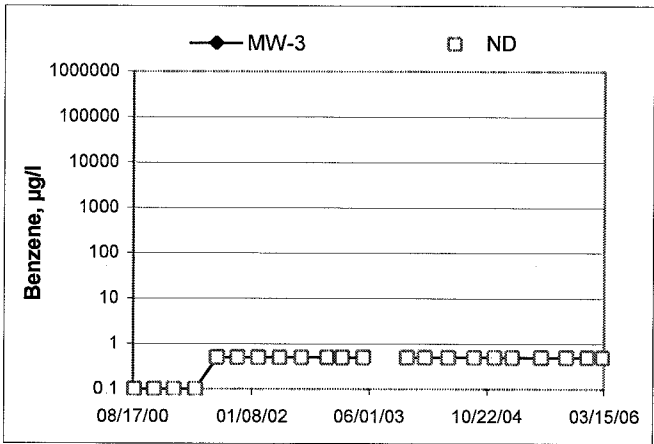
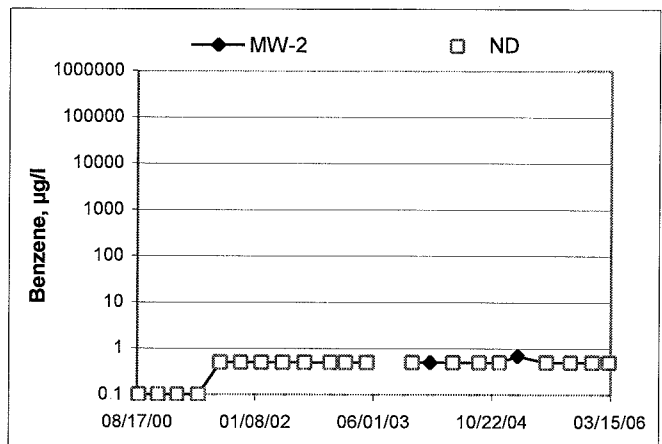
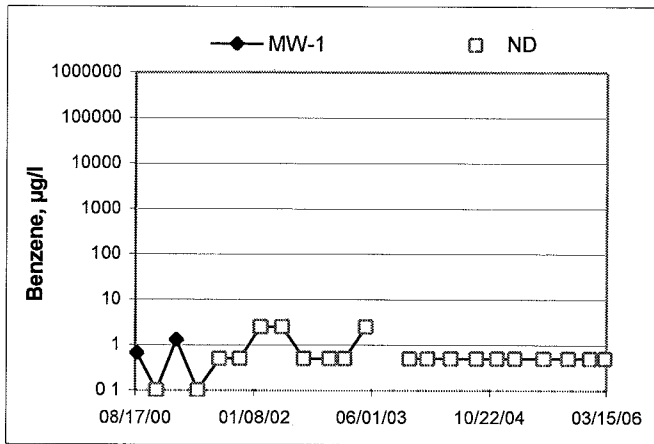
Groundwater Elevations vs. Time
76 Station 0018



Elevations may have been corrected for apparent changes due to resurvey

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 measurements 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, sample time, and the sampler's 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 the 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 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 wells, 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: Nate

Site: 0018

Project No.: 41050001

Date: 03/07/06

Well No.: MW-3

Purge Method: D/A

Depth to Water (feet): 12.06

Depth to Product (feet): —

Total Depth (feet): 30.15

LPH & Water Recovered (gallons): —

Water Column (feet): 14.09

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 15.68

1 Well Volume (gallons): 3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F. $\text{\textcircled{C}}$)	pH	Turbidity	D.O.
0704			3	496	16.1	9.30		
			6	499	17.3	9.30		
	0707		9	531	18.0	7.71		
Static at Time Sampled			Total Gallons Purged			Time Sampled		
15.10			9			0712		
Comments:								

Well No.: MW-2

Purge Method: D/A

Depth to Water (feet): 13.25

Depth to Product (feet): —

Total Depth (feet): 29.80

LPH & Water Recovered (gallons): —

Water Column (feet): 16.55

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 16.56

1 Well Volume (gallons): 3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F. $\text{\textcircled{C}}$)	pH	Turbidity	D.O.
0723			3	469	18.2	7.17		
			6	468	18.5	6.98		
	0725		9	478	18.4	6.93		
Static at Time Sampled			Total Gallons Purged			Time Sampled		
13.69			9			0729		
Comments:								

GROUNDWATER SAMPLING FIELD NOTES

Site: ~~MW-1~~ ^{JB} 0018

Technician: NAME

Project No.: 41050001

Date: 03/08/06

Well No.: MW-2

Purge Method: DIA

Depth to Water (feet): 11.69

Depth to Product (feet):

Total Depth (feet): 30.31

LPH & Water Recovered (gallons):

Water Column (feet): 18.62

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 15.41

1 Well Volume (gallons): 3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0741			3	673	19.9	6.88		
			6	674	20.0	6.80		
	0744		9	674	20.1	6.95		
		Static at Time Sampled	Total Gallons Purged		Time Sampled			
		14.49	9		0759			
Comments: <u>Well does not recover right after purging</u>								

Well No.:

Purge Method:

Depth to Water (feet):

Depth to Product (feet):

Total Depth (feet):

LPH & Water Recovered (gallons):

Water Column (feet):

Casing Diameter (Inches):

80% Recharge Depth (feet):

1 Well Volume (gallons):

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
		Static at Time Sampled	Total Gallons Purged		Time Sampled			
Comments: <u> </u>								



Laboratories, Inc

Date of Report: 03/15/2006

Anju Farfan

TRC Alton Geoscience

21 Technology Drive
Irvine, CA 92618-2302

RE: 0018

BC Lab Number: 0602340

Enclosed are the results of analyses for samples received by the laboratory on 03/09/06 21:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in cursive script, appearing to read "Vanessa Hooker", written over a horizontal line.

Contact Person: Vanessa Hooker

Client Service Rep

A handwritten signature in cursive script, appearing to read "Richard J. Linn", written over a horizontal line.

Authorized Signature



TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0018
Project Number: [none]
Project Manager: Anju Farfan

Reported: 03/15/06 12:00

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			Receive Date:	Delivery Work Order:
0602340-01	COC Number:	---		03/09/06 21:15	Global ID: T060102231
	Project Number:	0018		Sampling Date: 03/08/06 07:28	Matrix: W
	Sampling Location:	MW-2		Sample Depth: ---	Samle QC Type (SACode): CS
	Sampling Point:	MW-2		Sample Matrix: Water	Cooler ID:
	Sampled By:	Nate of TRCI			
0602340-02	COC Number:	---		03/09/06 21:15	Global ID: T0600102231
	Project Number:	0018		Sampling Date: 03/08/06 07:12	Matrix: W
	Sampling Location:	MW-3		Sample Depth: ---	Samle QC Type (SACode): CS
	Sampling Point:	MW-3		Sample Matrix: Water	Cooler ID:
	Sampled By:	Nate of TRCI			
0602340-03	COC Number:	---		03/09/06 21:15	Global ID: T0600102231
	Project Number:	0018		Sampling Date: 03/08/06 07:59	Matrix: W
	Sampling Location:	MW-1		Sample Depth: ---	Samle QC Type (SACode): CS
	Sampling Point:	MW-1		Sample Matrix: Water	Cooler ID:
	Sampled By:	Nate of TRCI			



TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0018
Project Number: [none]
Project Manager: Anju Farfan

Reported: 03/15/06 12:00

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0602340-01		Client Sample Name: 0018, MW-2, MW-2, 3/8/2006 7:28:00AM, Nate											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	03/10/06	03/10/06 14:40	DKC	MS-V10	1	BPC0568	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	03/10/06	03/10/06 14:40	DKC	MS-V10	1	BPC0568	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	03/10/06	03/10/06 14:40	DKC	MS-V10	1	BPC0568	ND	
Toluene	ND	ug/L	0.50		EPA-8260	03/10/06	03/10/06 14:40	DKC	MS-V10	1	BPC0568	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	03/10/06	03/10/06 14:40	DKC	MS-V10	1	BPC0568	ND	
Ethanol	ND	ug/L	250		EPA-8260	03/10/06	03/10/06 14:40	DKC	MS-V10	1	BPC0568	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	03/10/06	03/10/06 14:40	DKC	MS-V10	1	BPC0568	ND	
1,2-Dichloroethane-d4 (Surrogate)	97.7	%	76 - 114 (LCL - UCL)		EPA-8260	03/10/06	03/10/06 14:40	DKC	MS-V10	1	BPC0568		
Toluene-d8 (Surrogate)	97.7	%	88 - 110 (LCL - UCL)		EPA-8260	03/10/06	03/10/06 14:40	DKC	MS-V10	1	BPC0568		
4-Bromofluorobenzene (Surrogate)	96.8	%	86 - 115 (LCL - UCL)		EPA-8260	03/10/06	03/10/06 14:40	DKC	MS-V10	1	BPC0568		



TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0018
Project Number: [none]
Project Manager: Anju Farfan

Reported: 03/15/06 12:00

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0602340-02		Client Sample Name: 0018, MW-3, MW-3, 3/8/2006 7:12:00AM, Nate											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	03/10/06	03/10/06 15:04	DKC	MS-V10	1	BPC0568	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	03/10/06	03/10/06 15:04	DKC	MS-V10	1	BPC0568	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	03/10/06	03/10/06 15:04	DKC	MS-V10	1	BPC0568	ND	
Toluene	ND	ug/L	0.50		EPA-8260	03/10/06	03/10/06 15:04	DKC	MS-V10	1	BPC0568	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	03/10/06	03/10/06 15:04	DKC	MS-V10	1	BPC0568	ND	
Ethanol	ND	ug/L	250		EPA-8260	03/10/06	03/10/06 15:04	DKC	MS-V10	1	BPC0568	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	03/10/06	03/10/06 15:04	DKC	MS-V10	1	BPC0568	ND	
1,2-Dichloroethane-d4 (Surrogate)	94.5	%	76 - 114 (LCL - UCL)		EPA-8260	03/10/06	03/10/06 15:04	DKC	MS-V10	1	BPC0568		
Toluene-d8 (Surrogate)	97.9	%	88 - 110 (LCL - UCL)		EPA-8260	03/10/06	03/10/06 15:04	DKC	MS-V10	1	BPC0568		
4-Bromofluorobenzene (Surrogate)	101	%	86 - 115 (LCL - UCL)		EPA-8260	03/10/06	03/10/06 15:04	DKC	MS-V10	1	BPC0568		



TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0018
Project Number: [none]
Project Manager: Anju Farfan

Reported: 03/15/06 12:00

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0602340-03 Client Sample Name: 0018, MW-1, MW-1, 3/8/2006 7:59:00AM, Nate

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru- ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	03/10/06	03/10/06 15:27	DKC	MS-V10	1	BPC0568	ND	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	03/10/06	03/10/06 15:27	DKC	MS-V10	1	BPC0568	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	03/10/06	03/10/06 15:27	DKC	MS-V10	1	BPC0568	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	03/10/06	03/10/06 15:27	DKC	MS-V10	1	BPC0568	ND	
Methyl t-butyl ether	21	ug/L	0.50		EPA-8260	03/10/06	03/10/06 15:27	DKC	MS-V10	1	BPC0568	ND	
Toluene	ND	ug/L	0.50		EPA-8260	03/10/06	03/10/06 15:27	DKC	MS-V10	1	BPC0568	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	03/10/06	03/10/06 15:27	DKC	MS-V10	1	BPC0568	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	03/10/06	03/10/06 15:27	DKC	MS-V10	1	BPC0568	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	03/10/06	03/10/06 15:27	DKC	MS-V10	1	BPC0568	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	03/10/06	03/10/06 15:27	DKC	MS-V10	1	BPC0568	ND	
Ethanol	ND	ug/L	250		EPA-8260	03/10/06	03/10/06 15:27	DKC	MS-V10	1	BPC0568	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	03/10/06	03/10/06 15:27	DKC	MS-V10	1	BPC0568	ND	
Total Purgeable Petroleum Hydrocarbons	130	ug/L	50		EPA-8260	03/10/06	03/10/06 15:27	DKC	MS-V10	1	BPC0568	ND	
1,2-Dichloroethane-d4 (Surrogate)	98.5	%	76 - 114 (LCL - UCL)		EPA-8260	03/10/06	03/10/06 15:27	DKC	MS-V10	1	BPC0568		
Toluene-d8 (Surrogate)	98.5	%	88 - 110 (LCL - UCL)		EPA-8260	03/10/06	03/10/06 15:27	DKC	MS-V10	1	BPC0568		
4-Bromofluorobenzene (Surrogate)	104	%	86 - 115 (LCL - UCL)		EPA-8260	03/10/06	03/10/06 15:27	DKC	MS-V10	1	BPC0568		



TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0018
Project Number: [none]
Project Manager: Anju Farfan

Reported: 03/15/06 12:00

Volatile Organic Analysis (EPA Method 8260) Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample ID	QC Sample Type	Source Result	Result	Spike Added	Units	RPD	Control Limits		
									Percent Recovery	RPD	Percent Recovery Lab Quals
Benzene	BPC0568	BPC0568-MS1	Matrix Spike	ND	30.700	25.000	ug/L		123		70 - 130
		BPC0568-MSD1	Matrix Spike Duplicate	ND	30.710	25.000	ug/L	0.00	123	20	70 - 130
Toluene	BPC0568	BPC0568-MS1	Matrix Spike	ND	28.610	25.000	ug/L		114		70 - 130
		BPC0568-MSD1	Matrix Spike Duplicate	ND	28.670	25.000	ug/L	0.873	115	20	70 - 130
1,2-Dichloroethane-d4 (Surrogate)	BPC0568	BPC0568-MS1	Matrix Spike	ND	9.4700	10.000	ug/L		94.7		76 - 114
		BPC0568-MSD1	Matrix Spike Duplicate	ND	9.9700	10.000	ug/L		99.7		76 - 114
Toluene-d8 (Surrogate)	BPC0568	BPC0568-MS1	Matrix Spike	ND	9.8200	10.000	ug/L		98.2		88 - 110
		BPC0568-MSD1	Matrix Spike Duplicate	ND	9.7500	10.000	ug/L		97.5		88 - 110
4-Bromofluorobenzene (Surrogate)	BPC0568	BPC0568-MS1	Matrix Spike	ND	9.9700	10.000	ug/L		99.7		86 - 115
		BPC0568-MSD1	Matrix Spike Duplicate	ND	9.9900	10.000	ug/L		99.9		86 - 115



TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0018
Project Number: [none]
Project Manager: Anju Farfan

Reported: 03/15/06 12:00

Volatile Organic Analysis (EPA Method 8260) Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits		Lab Quals
										Percent Recovery	RPD	
Benzene	BPC0568	BPC0568-BS1	LCS	30.510	25.000	0.50	ug/L	122		70 - 130		
Toluene	BPC0568	BPC0568-BS1	LCS	28.230	25.000	0.50	ug/L	113		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BPC0568	BPC0568-BS1	LCS	9.8900	10.000		ug/L	98.9		76 - 114		
Toluene-d8 (Surrogate)	BPC0568	BPC0568-BS1	LCS	9.8700	10.000		ug/L	98.7		88 - 110		
4-Bromofluorobenzene (Surrogate)	BPC0568	BPC0568-BS1	LCS	9.9300	10.000		ug/L	99.3		86 - 115		



TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0018
Project Number: [none]
Project Manager: Anju Farfan

Reported: 03/15/06 12:00

Volatile Organic Analysis (EPA Method 8260) Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Benzene	BPC0568	BPC0568-BLK1	ND	ug/L	0.50	0.12	
1,2-Dibromoethane	BPC0568	BPC0568-BLK1	ND	ug/L	0.50	0.24	
1,2-Dichloroethane	BPC0568	BPC0568-BLK1	ND	ug/L	0.50	0.25	
Ethylbenzene	BPC0568	BPC0568-BLK1	ND	ug/L	0.50	0.12	
Methyl t-butyl ether	BPC0568	BPC0568-BLK1	ND	ug/L	0.50	0.12	
Toluene	BPC0568	BPC0568-BLK1	ND	ug/L	0.50	0.15	
Total Xylenes	BPC0568	BPC0568-BLK1	ND	ug/L	1.0	0.37	
t-Amyl Methyl ether	BPC0568	BPC0568-BLK1	ND	ug/L	0.50	0.49	
t-Butyl alcohol	BPC0568	BPC0568-BLK1	ND	ug/L	10	10	
Diisopropyl ether	BPC0568	BPC0568-BLK1	ND	ug/L	0.50	0.25	
Ethanol	BPC0568	BPC0568-BLK1	ND	ug/L	250	110	
Ethyl t-butyl ether	BPC0568	BPC0568-BLK1	ND	ug/L	0.50	0.25	
Total Purgeable Petroleum Hydrocarbons	BPC0568	BPC0568-BLK1	ND	ug/L	50	23	
1,2-Dichloroethane-d4 (Surrogate)	BPC0568	BPC0568-BLK1	94.4	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BPC0568	BPC0568-BLK1	96.5	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BPC0568	BPC0568-BLK1	96.1	%	86 - 115 (LCL - UCL)		



Laboratories, Inc

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 0018
Project Number: [none]
Project Manager: Anju Farfan

Reported: 03/15/06 12:00

Notes and Definitions

- J Estimated value
- ND Analyte NOT DETECTED at or above the reporting limit
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

Submission #: 06-02340

Project Code:

TB Batch #

SHIPPING INFORMATION

Federal Express UPS Hand Delivery BC Lab Field Service Other (Specify)

SHIPPING CONTAINER

Ice Chest None Box Other (Specify)

Refrigerant: Ice Blue Ice None Other Comments:

Custody Seals: Ice Chest Containers None Comments: Intact? Yes No Intact? Yes No

All samples received? Yes No All samples containers intact? Yes No --Description(s) match COC? Yes No

COC Received YES NO

Ice Chest ID: RLW
Temperature: 1.2 °C
Thermometer ID: 48

Emissivity: 1.0
Container: VOA

Date/Time: 3/9/6
Analyst Init: JLM

SAMPLE CONTAINERS

SAMPLE NUMBERS

Table with 10 columns (1-10) and rows for various sample types including QT GENERAL MINERAL/ GENERAL PHYSICAL, PT PE UNPRESERVED, QT INORGANIC CHEMICAL METALS, etc. Handwritten 'A.3' is present in row 4, column 1-3.

Comments: Sample Numbering Completed By: JLM Date/Time: 3/9/6 0045

Chain of Custody Form

PLEASE COMPLETE:
BCL QUOTE ID:

Page 1 of 1

38461

Report To: Conoco Phillips
 Client: Conoco Phillips
 Attn:
 Street Address: 6201 Claremont Blvd
 City, State, Zip: Oakland CA
 Phone: Fax:
 Email Address:
 Submittal #: 06-02340

Project #: 41050001
 Project Name: 0018
 Project Code:
 Sampler(s): Nate
 TOL000102231

Analysis Requested	
TPPH by 5060B	Please refer to the back of this form for completion instructions and method legend.
BTEX/MTBE by 5060B	
Ethanol by 5060B	
OXYS by 5060B	
EDC/EDB by 5060B	
B voas w/ HCL	

Comments:

Sample #	Description	Date Sampled	Time Sampled
-1	MW-2	03/09/06	0728
-2	MW-3		0712
-3	MW-1		0759

Sample Matrix

Soil	Sludge	Drinking Water	Ground Water	Waste Water	Other
------	--------	----------------	--------------	-------------	-------

Turnaround # of work days*
 Yes No
 * Standard Turnaround = 15 work days

Notes

CHK BY DISTRIBUTION
 JKR
 010
 SUB-OUT

Billing	<input type="checkbox"/> Same as above	Report Drinking Waters on State Form? <input type="checkbox"/> Yes <input type="checkbox"/> No	Sample Disposal <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive: Months _____	Special Reporting <input type="checkbox"/> QC <input type="checkbox"/> WIP <input type="checkbox"/> Raw Data	
Client: _____	Address: _____	City: _____ State _____ Zip _____	Attn: _____	PO#: <u>1062TRC 502</u>	
1. Relinquished By <u>[Signature]</u>	Date <u>03/09/06</u>	Time <u>1630</u>	1. Received By <u>Refrigerator</u>	Date <u>03/09/06</u>	Time <u>1630</u>
2. Relinquished By <u>[Signature]</u>	Date <u>3/9/06</u>	Time <u>1145</u>	2. Received By <u>Ross DeChay</u>	Date <u>3/9/06</u>	Time <u>1145</u>
3. Relinquished By <u>Ross DeChay</u>	Date <u>3/9/06</u>	Time <u>1750</u>	3. Received By <u>Cleaver McDeffee</u>	Date <u>3-9-06</u>	Time <u>1750</u>

Northern CA

KEW Cleaver McDeffee
3-9-06 2115
[Signature] 3/9/06 2115

STATEMENTS

Purge Water Disposal

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