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Alameda County
Environmental Health



76 Broadway
Sacramento, California 95818

February 3, 2009

Barbara Jakub
Alameda County Health Agency
1131 Harbor Bay parkway, Suite250
Alameda, California 94502-577

Re: **Quarterly Summary Report—Fourth Quarter 2008**
76 Service Station # 0018 RO # 0243
6201 Claremont Ave.
Oakland, CA

Dear Ms. Jakub:

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 call me at (916) 558-7666.

Sincerely,

A handwritten signature in black ink, appearing to read "Terry L. Grayson". The signature is written in a cursive, flowing style.

Terry L. Grayson
Site Manager
Risk Management & Remediation

February 3, 2009

Ms. Barbara Jakub
Alameda County Health Care Services
1131 Harbor Bay Parkway
Alameda, California 94502-6577



RE: **Quarterly Summary Report – Fourth Quarter 2008**
Delta Project No.: C1Q-0018-604
ACEH Case No: RO243

Dear Ms. Jakub:

On behalf of ConocoPhillips (COP), Delta Consultants, Inc. (Delta) is forwarding the quarterly summary report for the following location:

Service Station

Location

ConocoPhillips Site No. 0018

6201 Claremont Avenue
Oakland, Alameda County,
California

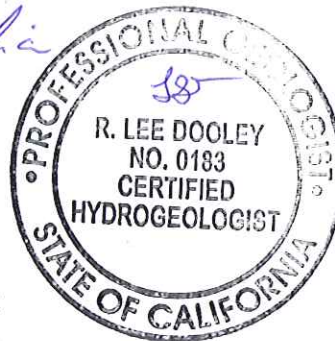
Sincerely,
Delta Consultants

A handwritten signature in blue ink that reads "Daniel Cassalia".

Daniel Cassalia
Project Manager

A handwritten signature in blue ink that reads "Lee Dooley".

Lee Dooley
Certified Hydrogeologist
No. 0183



Cc: Mr. Terry Grayson – ConocoPhillips (electronic copy only)

**Quarterly Summary Report
Fourth Quarter – 2008**

**76 Branded Facility No. 0018
6201 Claremont Avenue
Oakland, Alameda County, CA**

PREVIOUS ASSESSMENT ACTIVITIES

March 1997 Kaprealian Engineering Inc. (KEI) collected nine soil and one grab groundwater sample during UST and product line replacement activities. One soil sample collected from the UST excavation contained 2.6 milligrams per kilograms (mg/kg) of total petroleum hydrocarbons as gasoline (TPH-G). Another soil sample collected from beneath a dispenser island contained 1.4 mg/kg TPH-G, 0.012 mg/kg benzene, and 1.4 mg/kg methyl tertiary butyl ether (MTBE). The groundwater sample collected from the UST excavation contained 6,100 micrograms per liter ($\mu\text{g/L}$) of TPH-G and 54 $\mu\text{g/L}$ benzene.

March 1998 Tosco was issued a Notice of Responsibility by Alameda County Health Care Services (ACHCS).

December 2000 Gettler-Ryan Inc. installed three groundwater monitoring wells to depths of 30 feet below ground surface (bgs). Five soil samples were collected from the borings for the wells. Sample MW-1-25.5, from a depth of 25.5 foot bgs, contained 19 mg/kg of TPH-G and 0.018 mg/kg of benzene. Initial groundwater samples contained low (≤ 120 micrograms per liter ($\mu\text{g/l}$)) concentrations of TPH-G, benzene, and MTBE.

November 2000 A quarterly monitoring program, utilizing the three on-site monitoring wells (MW-1 through MW-3), was initiated.

October 2003 Site environmental consulting responsibilities were transferred to TRC.

January 2006 TRC completed a *No Further Action Required Report – Request for Closure*.

April 2006 TRC completed a sensitive receptor survey.

October 2007 Site environmental consulting responsibilities were transferred to Delta Consultants.

SENSITIVE RECEPTORS

A sensitive receptor survey for the site was conducted in April 2006. According to the Department of Water Resources (DWR) records, no water supply wells are located within one-half mile of the site.

REMEDIATION STATUS

Remediation is not currently being conducted at the site.

MONITORING AND SAMPLING

The groundwater monitoring well network, consisting of three on-site monitoring wells, has been monitored and sampled on a quarterly basis since October 2000. During the most recent groundwater sampling event conducted on December 12, 2008, reported depth to groundwater ranged from 20.82 feet (MW-1) to 22.55 feet (MW-2) below top of casing (TOC), with 0.15 feet average decrease in groundwater elevation across the site. Groundwater elevation beneath the site typically fluctuates by approximately 5 feet annually.

The groundwater flow direction during the fourth quarter 2008 was reported southwest at a gradient of 0.005 feet per feet (ft/ft). This is mainly consistent with a gradient of 0.01 ft/ft

southwest during the previous sampling event (September 19, 2008). Reported historical groundwater flow direction has been primarily to the southwest.

During the fourth quarter 2008, groundwater samples were collected from all three on-site wells (MW-1, MW-2, MW-3). Samples were analyzed for TPH-G by GC/MS; benzene, toluene, ethylbenzene and xylenes (BTEX), MTBE, and ethanol by US Environmental Protection Agency (EPA) Method 8260. In addition, well MW-1 was also analyzed for oxygenates (tertiary butyl alcohol (TBA), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), and di-isopropyl ether (DIPE)), 1,2-dichloroethane (1,2-DCA), and ethylene dibromide (EDB) by EPA Method 8260.

All analytes except MTBE were below the laboratory reporting limits for fourth quarter samples. During the fourth quarter 2008, MTBE was reported in only one of the three wells sampled (MW-1), with concentrations of 9.6 µg/l. The MTBE concentration in well MW-1 has been below 20 µg/L for the past ten consecutive sampling events. The maximum historical MTBE concentration detected in MW-1 was 150 µg/L in February and August 2001. MTBE has never been detected in well MW-2, and has only been detected sporadically in well MW-3. The most recent detection of MTBE in well MW-3 was at a concentration of 3.4 µg/L (September 2006). TPH-g continued its decline in MW-1 and is now below the laboratory reporting limit. Benzene was not detected in any of the three wells during the fourth quarter 2008 sampling event. Benzene has not been detected in any site well since at 2005.

CONCLUSIONS AND RECOMMENDATIONS

The fourth quarter 2008 analytical data indicates that the petroleum hydrocarbon and oxygenate concentrations observed beneath the southern portion of the site (MW-1) during the fourth quarter 2008 have remained mostly stable. Concentrations in MW-1 appear to fluctuate seasonally with variation in groundwater elevation. However, based upon historic data, concentrations of MTBE in well MW-1 appear to be gradually declining.

Groundwater monitoring will continue on a quarterly basis. Groundwater analysis will include TPH-G, BTEX compounds, and MTBE by EPA Method 8260B.

RECENT CORRESPONDENCE

Delta submitted a Site Conceptual Model (SCM) on September 12, 2008. In this SCM Delta identified two data gaps 1) the investigation of the former UST location in the southern portion of the site, and 2) the down-gradient extent of dissolved MTBE. **Delta recommended the drilling of two soil borings within the foot-print of the former UST location and the collection of soil samples from depths of 5, 10, and 15 feet bgs.** The soil samples will be analyzed for TPH-G, TPH-D, and BTEX compounds. MTBE would not have been associated with pre-1962 fuels.

Delta recommended collection of a groundwater sample southwest of the site (Figure 4). Direct-push drill equipment will be used to collect a groundwater sample at a depth of 15 to 20 feet bg. The sample will be analyzed for TPH-G, BTEX compounds, MTBE, and TBA.

THIS QUARTER'S ACTIVITIES (Fourth Quarter 2008)

- TRC performed the Fourth Quarter 2008 quarterly monitoring and sampling events, and prepared quarterly monitoring reports.

NEXT QUARTER'S ACTIVITIES (First Quarter 2009)

- TRC to conduct the First Quarter 2009 groundwater monitoring and sampling event and prepare a quarterly monitoring report.
- Delta submitted the fourth quarter status report for 2008.
- After approval of SCM Delta will recommend the implementation and completion the scope of work proposed

CONSULTANT: Delta Consultants



21 Technology Drive
Irvine, CA 92618

949.727.9336 PHONE
949.727.7399 FAX

www.TRCSolutions.com

DATE: January 16, 2009

TO: ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

ATTN: MR. TERRY GRAYSON

SITE: 76 STATION 0018
6201 CLAREMONT AVENUE
OAKLAND, CALIFORNIA

RE: QUARTERLY MONITORING REPORT
OCTOBER THROUGH DECEMBER 2008

Dear Mr. Grayson:

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) 727-9336.

Sincerely,

TRC

A handwritten signature in black ink, appearing to read "Anju Farfan".

Anju Farfan
Groundwater Program Operations Manager

CC: Ms. Debbie Bryan, Delta Consultants (4 copies)

Enclosures
20-0400/0018R21.QMS

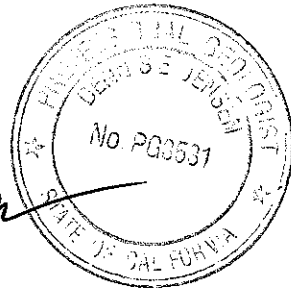
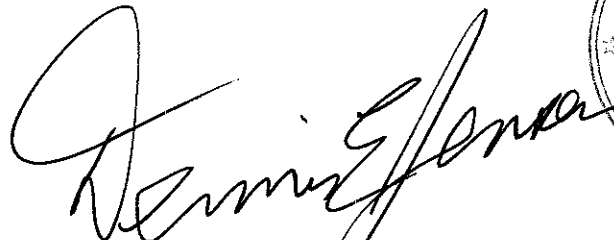
**QUARTERLY MONITORING REPORT
OCTOBER THROUGH DECEMBER 2008**

76 STATION 0018
6201 Claremont Avenue
Oakland, California

Prepared For:

Mr. Terry Grayson
CONOCOPHILLIPS COMPANY
76 Broadway
Sacramento, California 95818

By:



Senior Project Geologist, Irvine Operations

Date: 1/15/09



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 Historic Analytical Results
Figures	Figure 1: Vicinity Map Figure 2: Groundwater Elevation Contour Map Figure 3: Dissolved-Phase TPH-G (GC/MS) 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 – 12/22/08 Groundwater Sampling Field Notes – 12/22/08
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Statements	Purge Water Disposal Limitations

Summary of Gauging and Sampling Activities
October 2008 through December 2008
76 Station 0018
6201 Claremont Avenue
Oakland, CA

Project Coordinator: **Terry Grayson**
Telephone: **916-558-7666**

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

Date(s) of Gauging/Sampling Event: **12/22/08**

Sample Points

Groundwater wells: **3** onsite, **0** offsite Points gauged: **3** Points sampled: **3**
Purging method: **Submersible pump**
Purge water disposal: **Veolia/Rodeo Unit 100**
Other Sample Points: **0** Type: **--**

Liquid Phase Hydrocarbons (LPH)

Sample Points with LPH: **0** Maximum thickness (feet): **--**
LPH removal frequency: **--** Method: **--**
Treatment or disposal of water/LPH: **--**

Hydrogeologic Parameters

Depth to groundwater (below TOC): Minimum: **20.82 feet** Maximum: **22.55 feet**
Average groundwater elevation (relative to available local datum): **187.54 feet**
Average change in groundwater elevation since previous event: **0.15 feet**
Interpreted groundwater gradient and flow direction:
 Current event: **0.005 ft/ft, southwest**
 Previous event: **0.01 ft/ft, southwest (09/19/08)**

Selected Laboratory Results

Sample Points with detected **Benzene: 0** Sample Points above MCL (1.0 µg/l): **--**
 Maximum reported benzene concentration: **--**

Sample Points with **TPH-G by GC/MS 0**
Sample Points with **MTBE 8260B 1** Maximum: **9.6 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
IOC	=	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
IBA	=	tertiary butyl alcohol
TCA	=	trichloroethane
TCE	=	trichloroethene
IPH-G	=	total petroleum hydrocarbons with gasoline distinction
IPH-G (GC/MS)	=	total petroleum hydrocarbons with gasoline distinction utilizing EPA Method 8260B
IPH-D	=	total petroleum hydrocarbons with diesel distinction
IRPH	=	total recoverable petroleum hydrocarbons
IAME	=	tertiary amyl methyl ether
1,1-DCA	=	1,1-dichloroethane
1,2-DCA	=	1,2-dichloroethane (same as EDC, ethylene dichloride)
1,1-DCE	=	1,1-dichloroethene
1,2-DCE	=	1,2-dichloroethene (cis- and trans-)

NOTES

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

Site: 76 Station 0018

Current Event

Table 1	Well/ Date	Depth to Water	LPH Thickness	Ground- water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)
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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)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)
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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
December 22, 2008
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)	TPH-G (GC/MS) (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)											
12/22/08	208.15	20.82	0.00	187.33	0.29	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	9.6	
MW-2			(Screen Interval in feet: 10.0-30.0)											
12/22/08	210.27	22.55	0.00	187.72	0.07	--	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)											
12/22/08	208.98	21.40	0.00	187.58	0.09	--	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 (µg/l)	Ethanol (8260B) (µg/l)	Ethylene- dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)
MW-1							
12/22/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-2							
12/22/08	--	ND<250	--	--	--	--	--
MW-3							
12/22/08	--	ND<250	--	--	--	--	--

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
August 2000 Through December 2008
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)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-1														
(Screen Interval in feet: 10.0-30.0)														
08/24/00	208.15	18.55	0.00	189.60	--	120	--	0.67	ND	0.86	1.4	54	54	
11/16/00	208.15	20.30	0.00	187.85	-1.75	169	--	ND	1.20	1.74	0.629	68.6	97.7	
02/09/01	208.15	20.16	0.00	187.99	0.14	330	--	1.3	ND	1.0	4.6	140	150	
05/11/01	208.15	17.68	0.00	190.47	2.48	1250	--	ND	ND	ND	ND	145	122	
08/10/01	208.15	20.38	0.00	187.77	-2.70	580	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	110	150	
11/07/01	208.15	22.68	0.00	185.47	-2.30	250	--	ND<0.50	1.5	ND<0.50	ND<0.50	120	100	
02/06/02	208.15	16.20	0.00	191.95	6.48	790	--	ND<2.5	12	8.8	ND<2.5	90	72	
05/08/02	208.15	17.54	0.00	190.61	-1.34	890	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	78	81	
08/09/02	208.15	20.21	0.00	187.94	-2.67	--	450	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	100	
11/29/02	208.15	22.33	0.00	185.82	-2.12	--	110	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	72	
02/03/03	208.15	16.41	0.00	191.74	5.92	--	540	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	40	
05/05/03	208.15	16.09	0.00	192.06	0.32	--	670	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	57	
09/04/03	208.15	21.46	0.00	186.69	-5.37	--	--	--	--	--	--	--	--	No analysis; past holding time
11/13/03	208.15	21.52	0.00	186.63	-0.06	--	97	ND<0.50	5.0	0.82	3.5	--	29	
01/29/04	208.15	17.51	0.00	190.64	4.01	--	520	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	44	
05/07/04	208.15	16.74	0.00	191.41	0.77	--	180	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	25	
08/27/04	208.15	19.40	0.00	188.75	-2.66	--	100	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	21	
11/23/04	208.15	19.82	0.00	188.33	-0.42	--	410	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	45	
02/09/05	208.15	15.81	0.00	192.34	4.01	--	5700	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	40	
06/16/05	208.15	15.85	0.00	192.30	-0.04	--	200	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	24	
09/27/05	208.15	19.15	0.00	189.00	-3.30	--	300	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	19	
12/30/05	208.15	14.62	0.00	193.53	4.53	--	68	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	12	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
August 2000 Through December 2008
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)	TPH-G (GC/MS) (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 continued														
03/08/06	208.15	11.69	0.00	196.46	2.93	--	130	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	21	
06/08/06	208.15	14.28	0.00	193.87	-2.59	--	66	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	16	
09/15/06	208.15	17.49	0.00	190.66	-3.21	--	96	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	6.1	
12/22/06	208.15	18.68	0.00	189.47	-1.19	--	570	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	18	
03/28/07	208.15	18.40	0.00	189.75	0.28	--	190	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	18	
06/25/07	208.15	20.01	0.00	188.14	-1.61	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	4.2	
09/22/07	208.15	21.23	0.00	186.92	-1.22	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	14	
12/14/07	208.15	21.02	0.00	187.13	0.21	--	76	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	16	
03/26/08	208.15	16.87	0.00	191.28	4.15	--	230	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	18	
06/20/08	208.15	18.82	0.00	189.33	-1.95	--	100	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	13	
09/19/08	208.15	21.11	0.00	187.04	-2.29	--	63	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	12	
12/22/08	208.15	20.82	0.00	187.33	0.29	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	9.6	
MW-2 (Screen Interval in feet: 10.0-30.0)														
08/24/00	210.27	19.69	0.00	190.58	--	ND	--	ND	ND	ND	ND	ND	ND	
11/16/00	210.27	21.61	0.00	188.66	-1.92	ND	--	ND	ND	ND	ND	ND	ND	
02/09/01	210.27	21.52	0.00	188.75	0.09	ND	--	ND	ND	ND	ND	ND	ND	
05/11/01	210.27	18.76	0.00	191.51	2.76	ND	--	ND	ND	ND	ND	ND	ND	
08/10/01	210.27	21.65	0.00	188.62	-2.89	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
11/07/01	210.27	24.25	0.00	186.02	-2.60	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<1.0	
02/06/02	210.27	18.22	0.00	192.05	6.03	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
05/08/02	210.27	18.63	0.00	191.64	-0.41	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
08/09/02	210.27	21.53	0.00	188.74	-2.90	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
11/29/02	210.27	23.73	0.00	186.54	-2.20	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
August 2000 Through December 2008
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)	TPH-G (GC/MS) (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														
02/03/03	210.27	17.43	0.00	192.84	6.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
05/05/03	210.27	17.15	0.00	193.12	0.28	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
09/04/03	210.27	22.75	0.00	187.52	-5.60	--	--	--	--	--	--	--	--	No analysis; past holding time
11/13/03	210.27	23.02	0.00	187.25	-0.27	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
01/29/04	210.27	18.73	0.00	191.54	4.29	--	ND<50	0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
05/07/04	210.27	17.79	0.00	192.48	0.94	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
08/27/04	210.27	19.66	0.00	190.61	-1.87	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
11/23/04	210.27	21.20	0.00	189.07	-1.54	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
02/09/05	210.27	16.72	0.00	193.55	4.48	--	ND<50	0.69	1.5	ND<0.50	1.4	--	ND<0.50	
06/16/05	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	
09/27/05	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	
12/30/05	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	
03/08/06	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	
06/08/06	210.27	15.36	0.00	194.91	-2.11	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/15/06	210.27	18.61	0.00	191.66	-3.25	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
12/22/06	210.27	20.01	0.00	190.26	-1.40	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
03/28/07	210.27	19.60	0.00	190.67	0.41	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
06/25/07	210.27	21.34	0.00	188.93	-1.74	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
09/22/07	210.27	22.71	0.00	187.56	-1.37	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
12/14/07	210.27	22.52	0.00	187.75	0.19	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/26/08	210.27	17.79	0.00	192.48	4.73	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
06/20/08	210.27	21.13	0.00	189.14	-3.34	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/19/08	210.27	22.62	0.00	187.65	-1.49	--	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 December 2008
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)	TPH-G (GC/MS) (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														
12/22/08	210.27	22.55	0.00	187.72	0.07	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-3 (Screen Interval in feet: 10.0-30.0)														
08/24/00	208.98	18.68	0.00	190.30	--	ND	--	ND	ND	ND	ND	4.7	2.3	
11/16/00	208.98	20.56	0.00	188.42	-1.88	ND	--	ND	ND	ND	ND	ND	ND	
02/09/01	208.98	20.45	0.00	188.53	0.11	ND	--	ND	ND	ND	ND	ND	ND	
05/11/01	208.98	17.75	0.00	191.23	2.70	ND	--	ND	ND	ND	ND	ND	ND	
08/10/01	208.98	20.70	0.00	188.28	-2.95	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
11/07/01	208.98	23.02	0.00	185.96	-2.32	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	1.5	
02/06/02	208.98	17.19	0.00	191.79	5.83	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
05/08/02	208.98	17.59	0.00	191.39	-0.40	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
08/09/02	208.98	20.48	0.00	188.50	-2.89	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
11/29/02	208.98	22.64	0.00	186.34	-2.16	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
02/03/03	208.98	16.46	0.00	192.52	6.18	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
05/05/03	208.98	16.16	0.00	192.82	0.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.6	
09/04/03	208.98	21.71	0.00	187.27	-5.55	--	--	--	--	--	--	--	--	No analysis; past holding time
11/13/03	208.98	21.93	0.00	187.05	-0.22	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
01/29/04	208.98	17.79	0.00	191.19	4.14	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
05/07/04	208.98	16.79	0.00	192.19	1.00	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.55	
08/27/04	208.98	19.70	0.00	189.28	-2.91	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
11/23/04	208.98	20.30	0.00	188.68	-0.60	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
02/09/05	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	
06/16/05	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	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
August 2000 Through December 2008
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)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-3 continued														
09/30/05	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.
12/30/05	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	
03/08/06	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	
06/08/06	208.98	13.82	0.00	195.16	-1.76	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/15/06	208.98	17.67	0.00	191.31	-3.85	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	3.4	
12/22/06	208.98	19.10	0.00	189.88	-1.43	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
03/28/07	208.98	18.60	0.00	190.38	0.50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
06/25/07	208.98	20.30	0.00	188.68	-1.70	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
09/22/07	208.98	21.61	0.00	187.37	-1.31	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
12/14/07	208.98	21.43	0.00	187.55	0.18	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/26/08	208.98	16.74	0.00	192.24	4.69	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
06/20/08	208.98	19.05	0.00	189.93	-2.31	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/19/08	208.98	21.49	0.00	187.49	-2.44	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/22/08	208.98	21.40	0.00	187.58	0.09	--	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 (µg/l)	Ethanol (8260B) (µg/l)	Ethylene- dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)
MW-1							
08/24/00	ND	ND	--	--	ND	ND	ND
11/16/00	ND	ND	--	--	ND	ND	ND
02/09/01	ND	ND	ND	ND	ND	ND	ND
05/11/01	ND	ND	ND	ND	ND	ND	ND
08/10/01	ND<100	ND<1000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
11/07/01	ND<20	ND<500	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
02/06/02	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
05/08/02	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
08/09/02	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
11/29/02	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
02/03/03	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
05/05/03	ND<500	ND<2500	ND<10	ND<10	ND<10	ND<10	ND<10
11/13/03	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
01/29/04	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
05/07/04	ND<5.0	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50
08/27/04	ND<5.0	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50
11/23/04	7.5	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50
02/09/05	ND<5.0	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
06/16/05	ND<5.0	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
09/27/05	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
12/30/05	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
03/08/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
06/08/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
09/15/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
12/22/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 0018

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene- dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)
MW-1 continued							
03/28/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
06/25/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
09/22/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
12/14/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
03/26/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
06/20/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
09/19/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
12/22/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-2							
08/24/00	ND	ND	--	--	ND	ND	ND
11/16/00	ND	ND	--	--	ND	ND	ND
02/09/01	ND	ND	ND	ND	ND	ND	ND
05/11/01	ND	ND	ND	ND	ND	ND	ND
08/10/01	ND<100	ND<1000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
11/07/01	ND<20	ND<500	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
11/13/03	--	ND<500	--	--	--	--	--
01/29/04	--	ND<500	--	--	--	--	--
05/07/04	--	ND<50	--	--	--	--	--
08/27/04	--	ND<50	--	--	--	--	--
11/23/04	--	ND<50	--	--	--	--	--
02/09/05	--	ND<50	--	--	--	--	--
06/16/05	--	ND<50	--	--	--	--	--
09/27/05	--	ND<250	--	--	--	--	--
12/30/05	--	ND<250	--	--	--	--	--
03/08/06	--	ND<250	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 0018

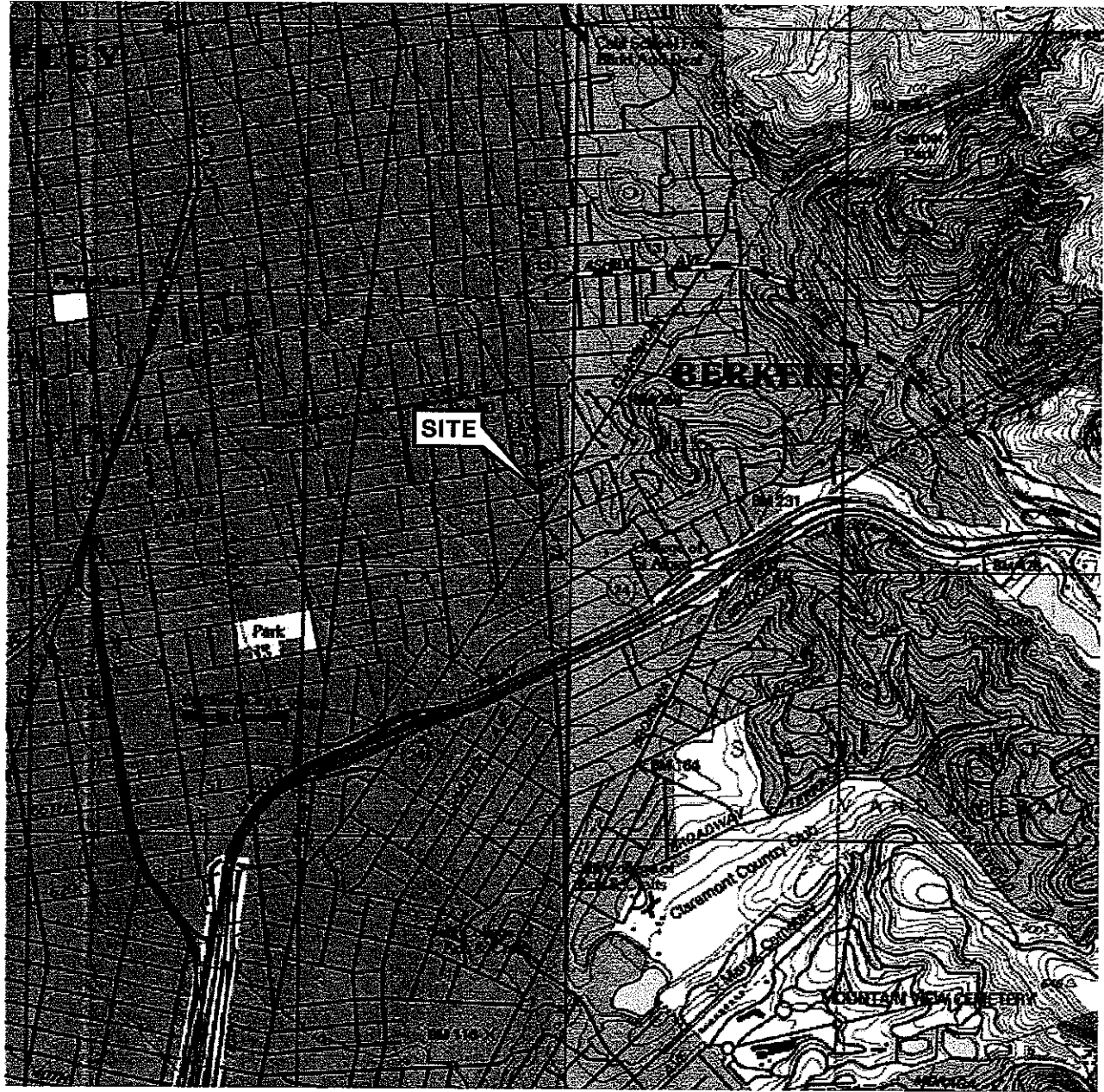
Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene- dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)
MW-2 continued							
06/08/06	--	ND<250	--	--	--	--	--
09/15/06	--	ND<250	--	--	--	--	--
12/22/06	--	ND<250	--	--	--	--	--
03/28/07	--	ND<250	--	--	--	--	--
06/25/07	--	ND<250	--	--	--	--	--
09/22/07	--	ND<250	--	--	--	--	--
12/14/07	--	ND<250	--	--	--	--	--
03/26/08	--	ND<250	--	--	--	--	--
06/20/08	--	ND<250	--	--	--	--	--
09/19/08	--	ND<250	--	--	--	--	--
12/22/08	--	ND<250	--	--	--	--	--
MW-3							
08/24/00	ND	ND	--	--	ND	ND	ND
11/16/00	ND	ND	--	--	ND	ND	ND
02/09/01	ND	ND	ND	ND	ND	ND	ND
05/11/01	ND	ND	ND	ND	ND	ND	ND
08/10/01	ND<100	ND<1000000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
11/07/01	ND<20	ND<500000	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
08/09/02	--	--	ND	ND	--	--	--
11/29/02	--	--	ND	ND	--	--	--
02/03/03	--	--	ND<2.0	ND<2.0	--	--	--
05/05/03	--	--	ND<1.0	ND<1.0	--	--	--
11/13/03	--	ND<500	--	--	--	--	--
01/29/04	--	ND<500	--	--	--	--	--
05/07/04	--	ND<50	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 0018

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene- dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)
MW-3 continued							
08/27/04	--	ND<50	--	--	--	--	--
11/23/04	--	ND<50	--	--	--	--	--
02/09/05	--	ND<50	--	--	--	--	--
06/16/05	--	ND<50	--	--	--	--	--
09/30/05	--	ND<250	--	--	--	--	--
12/30/05	--	ND<250	--	--	--	--	--
03/08/06	--	ND<250	--	--	--	--	--
06/08/06	--	ND<250	--	--	--	--	--
09/15/06	--	ND<250	--	--	--	--	--
12/22/06	--	ND<250	--	--	--	--	--
03/28/07	--	ND<250	--	--	--	--	--
06/25/07	--	ND<250	--	--	--	--	--
09/22/07	--	ND<250	--	--	--	--	--
12/14/07	--	ND<250	--	--	--	--	--
03/26/08	--	ND<250	--	--	--	--	--
06/20/08	--	ND<250	--	--	--	--	--
09/19/08	--	ND<250	--	--	--	--	--
12/22/08	--	ND<250	--	--	--	--	--

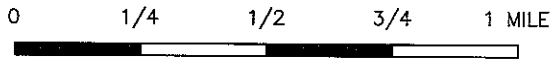
FIGURES

PS-1:1 L:\QMS VICINITY MAP S\0018\VM.DWG Oct 06, 2008 - 10:53am bschmidt



SOURCE:

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



SCALE 1:24,000



PROJECT: 154771




FACILITY:

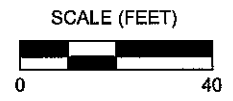
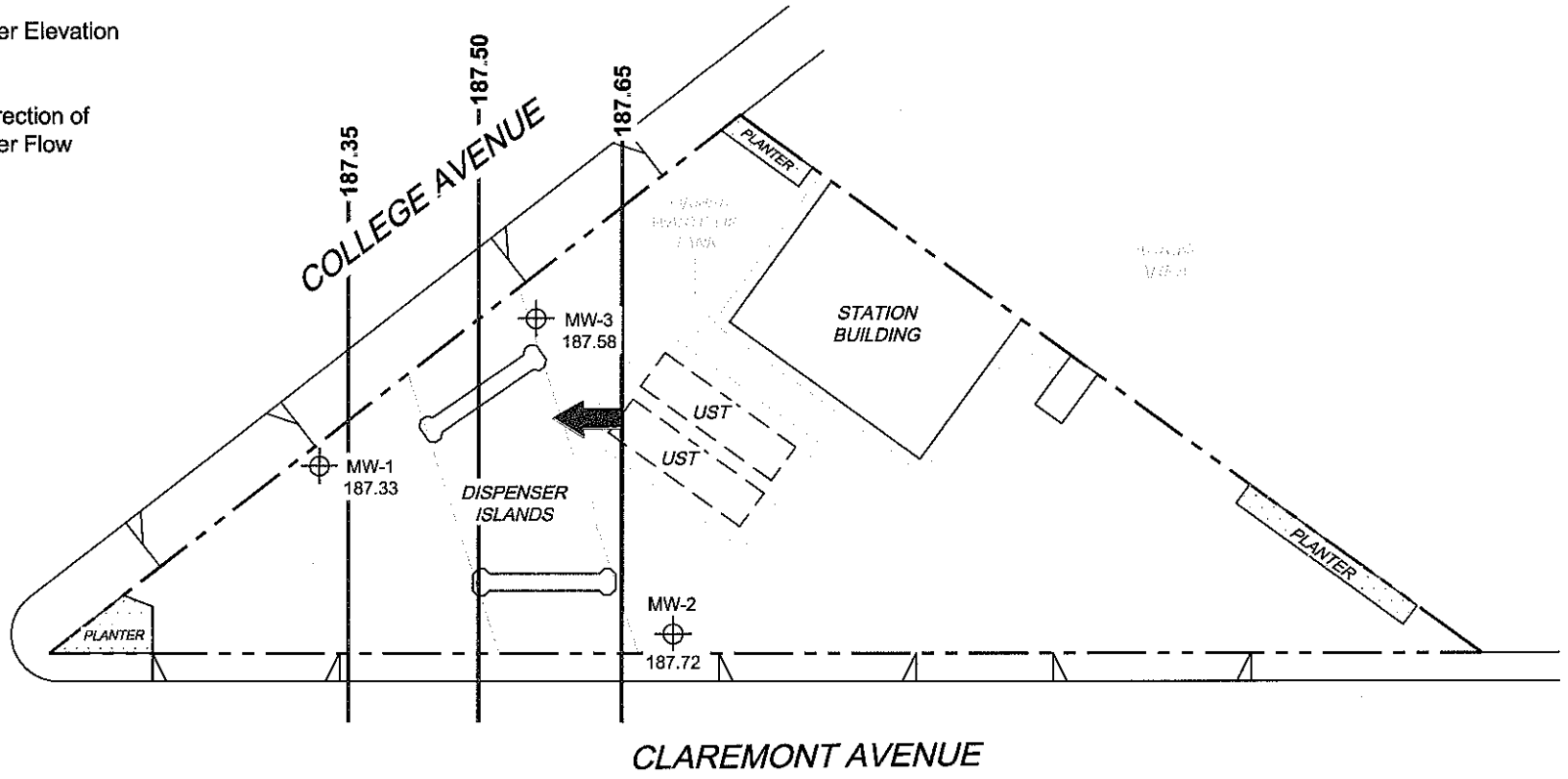
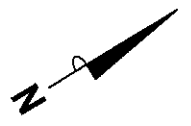
76 STATION 0018
6201 CLAREMONT AVENUE
OAKLAND, CALIFORNIA

VICINITY MAP

FIGURE 1

LEGEND

- MW-3  Monitoring Well with Groundwater Elevation (feet)
- 187.65  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.




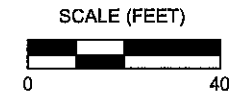
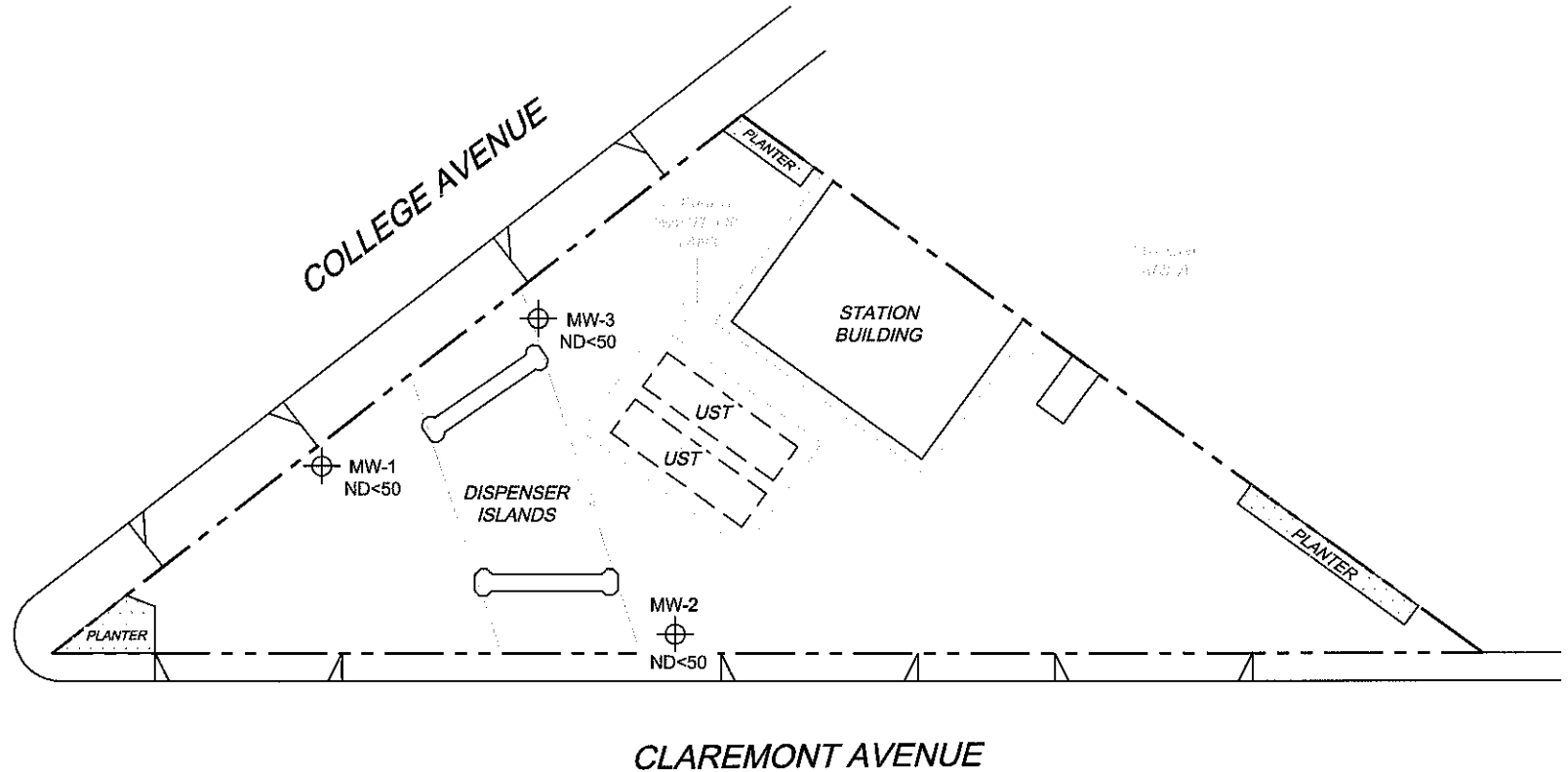
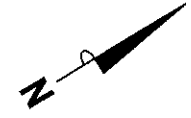
PROJECT: 154771
 FACILITY:
 76 STATION 0018
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 OAKLAND, CALIFORNIA

**GROUNDWATER ELEVATION
 CONTOUR MAP
 December 22, 2008**

FIGURE 2

LEGEND

MW-3  Monitoring Well with Dissolved-Phase TPH-G (GC/MS) Concentration ($\mu\text{g/l}$)



NOTES:

TPH-G (GC/MS) = total petroleum hydrocarbons with gasoline distinction utilizing EPA Method 8260B.
 $\mu\text{g/l}$ = micrograms per liter. ND = not detected at limit indicated on official laboratory report.
 UST = underground storage tank.




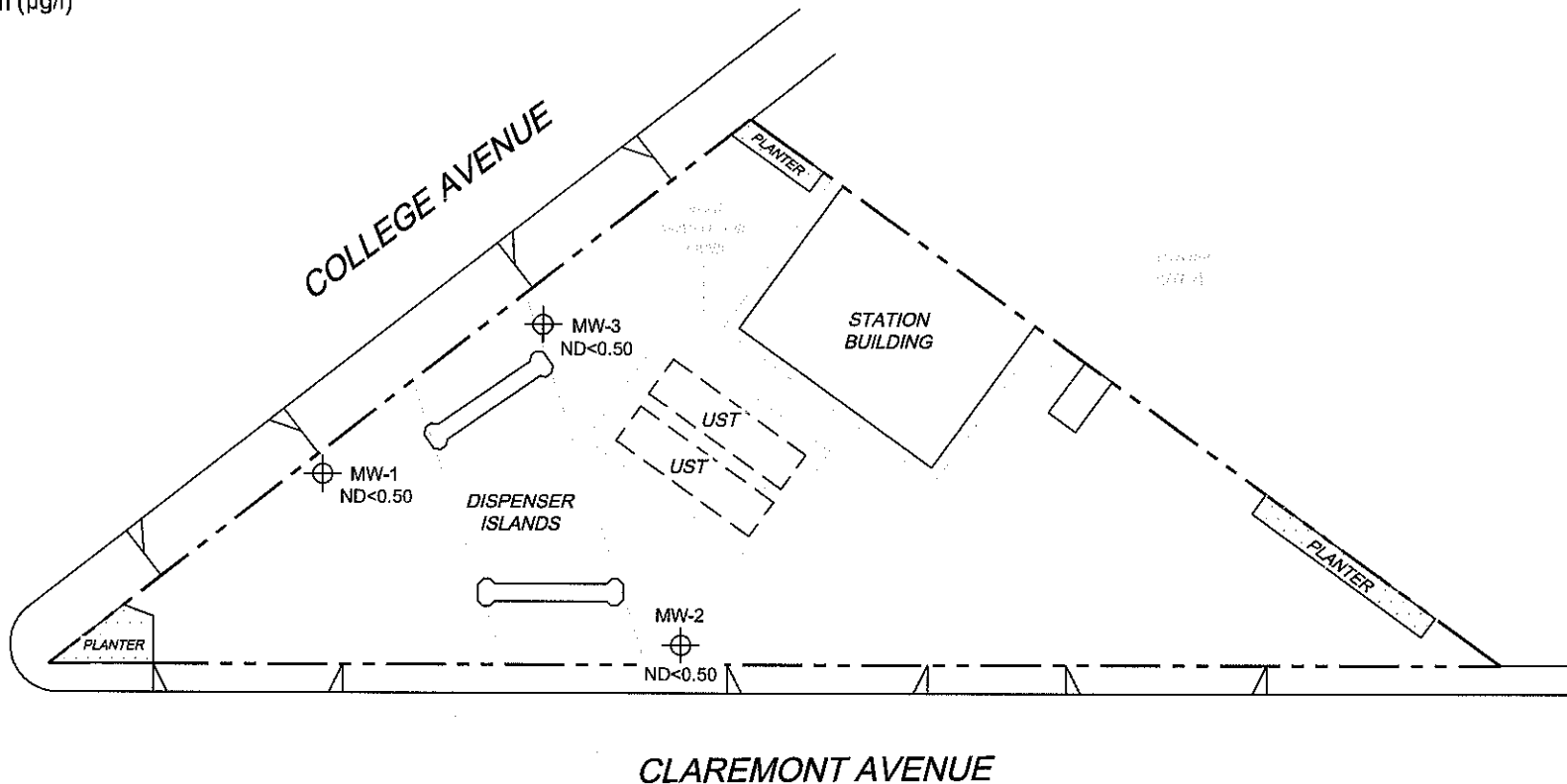
PROJECT: 154771
 FACILITY:
 76 STATION 0018
 6201 CLAREMONT AVENUE
 OAKLAND, CALIFORNIA

**DISSOLVED-PHASE TPH-G (GC/MS)
 CONCENTRATION MAP
 December 22, 2008**

FIGURE 3

LEGEND

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



SCALE (FEET)



NOTES:

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




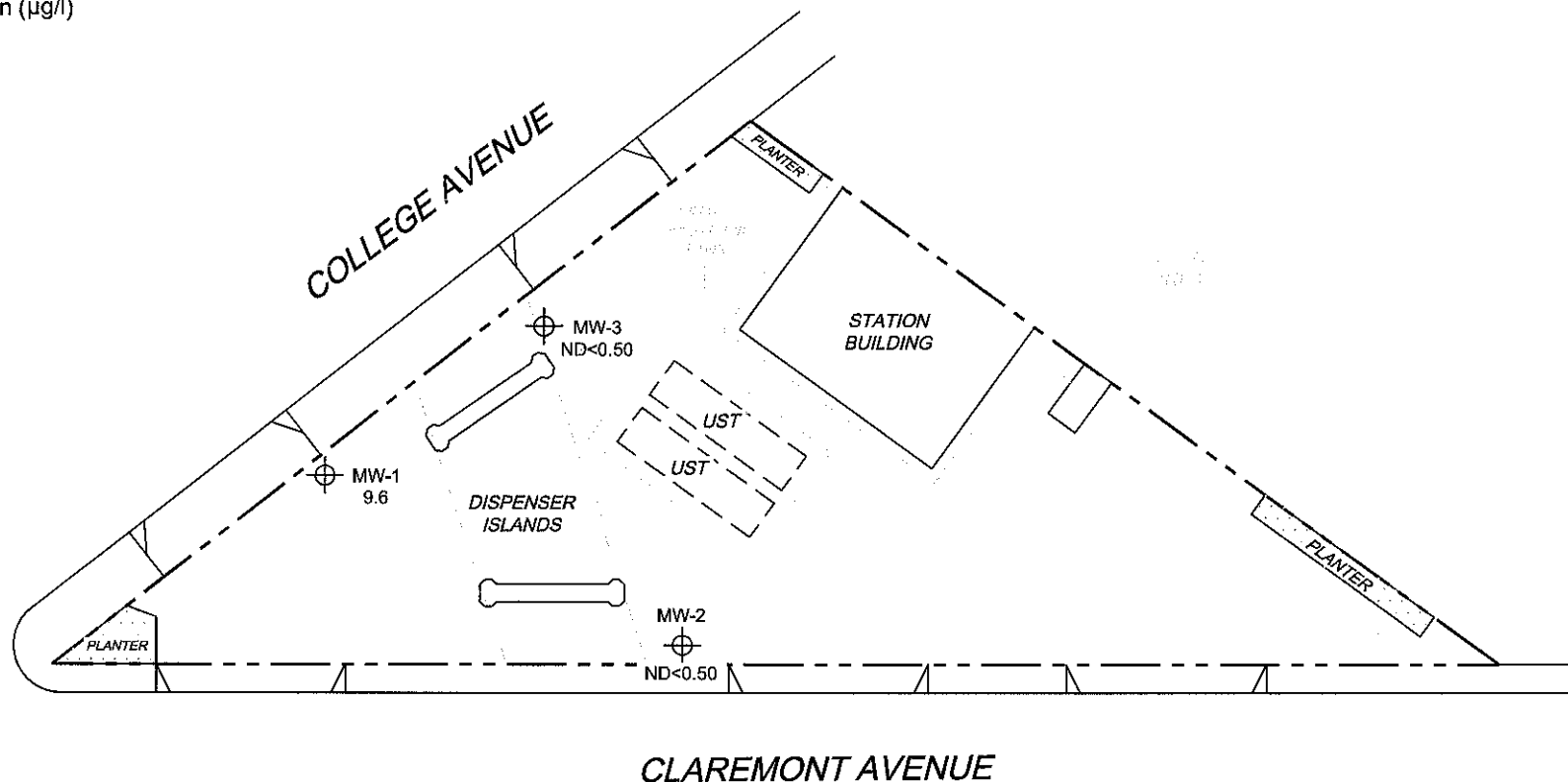
PROJECT: 154771
FACILITY:
76 STATION 0018
6201 CLAREMONT AVENUE
OAKLAND, CALIFORNIA

**DISSOLVED-PHASE BENZENE
CONCENTRATION MAP
December 22, 2008**

FIGURE 4

LEGEND

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



SCALE (FEET)



NOTES:

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.



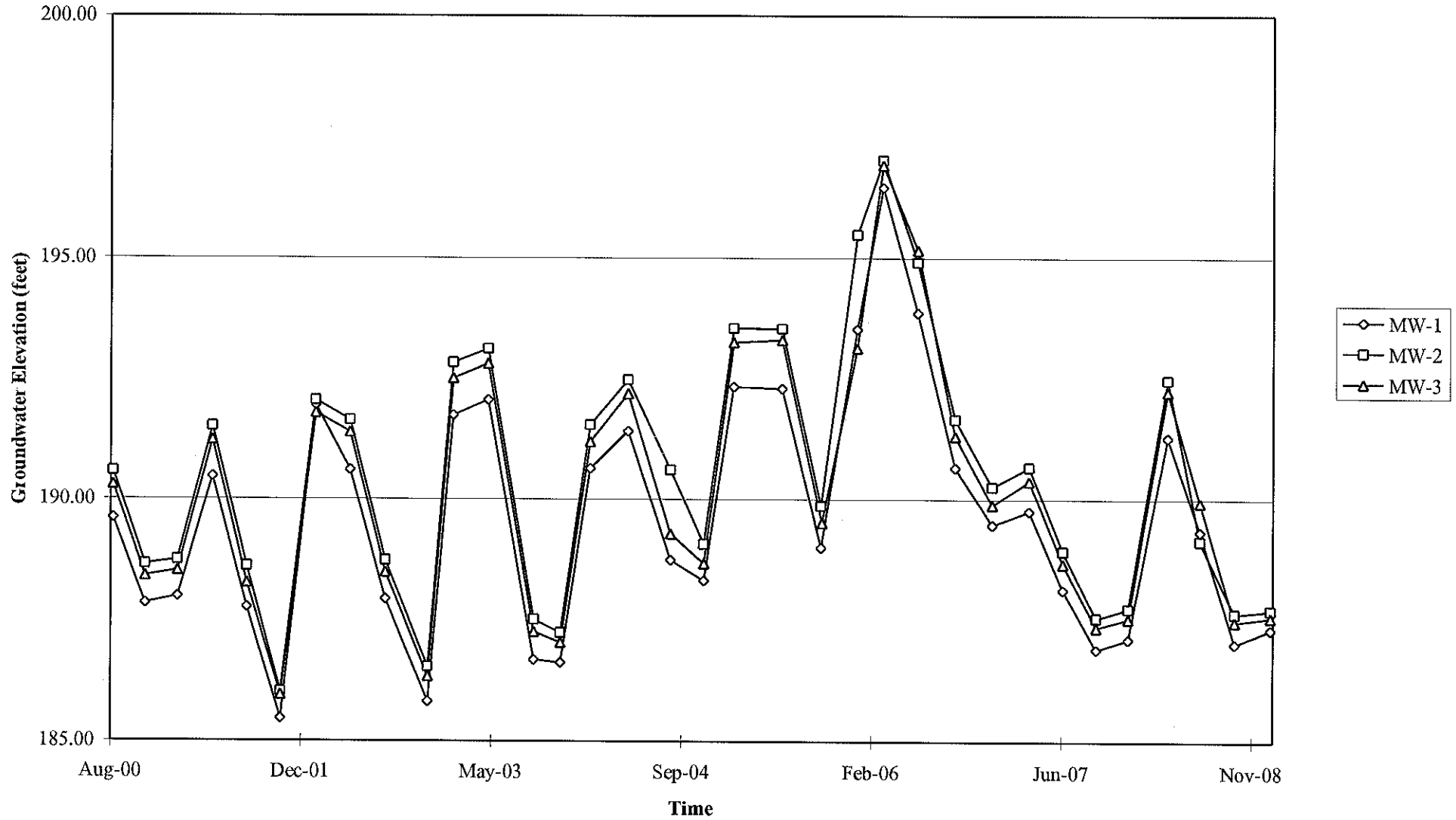
PROJECT: 154771
 FACILITY:
 76 STATION 0018
 6201 CLAREMONT AVENUE
 OAKLAND, CALIFORNIA

**DISSOLVED-PHASE MTBE
 CONCENTRATION MAP
 December 22, 2008**

FIGURE 5

GRAPHS

Groundwater Elevations vs. Time
76 Station 0018



Elevations may have been corrected for apparent changes due to resurvey

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 is 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 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: Ricky H Job #/Task #: 154771/FA20 Date: 12/22/08

Site # 0018 Project Manager A. Collins Page 1 of 1

Well #	TOC	Time Gauged	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
mW-1	X	0531	2972	20.82	---	---	0645	2"
mW-3	X	0535	3018	21.40	---	---	0652	2"
mW-2	X	0539	2953	22.55	---	---	0638	2"

FIELD DATA COMPLETE
 QA/QC
 COC
 WELL BOX CONDITION SHEETS

MANIFEST
 DRUM INVENTORY
 TRAFFIC CONTROL



GROUNDWATER SAMPLING FIELD NOTES

Technician: Ricky H.

Site: 0018

Project No: 184771

Date: 12/22/08

Well No. mw. 1

Purge Method: Sub

Depth to Water (feet): 20.82

Depth to Product (feet): —

Total Depth (feet): 29.72

LPH & Water Recovered (gallons): —

Water Column (feet): 8.90

Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 22.60

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F °C)	pH	D.O. (mg/L)	ORP	Turbidity
0603			2	709.5	11.3	7.02			
			4	670.4	14.4	6.89			
	0609		6	668.0	15.8	6.78			
		Static at Time Sampled	Total Gallons Purged		Sample Time				
		20.82	6		0645				
Comments:									

Well No. mw. 3

Purge Method: Sub

Depth to Water (feet): 21.40

Depth to Product (feet): —

Total Depth (feet): 30.18

LPH & Water Recovered (gallons): —

Water Column (feet): 8.78

Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 23.16

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F °C)	pH	D.O. (mg/L)	ORP	Turbidity
0617			2	495.0	14.1	6.63			
			4	493.6	14.8	6.62			
	0622		6	491.6	15.7	6.54			
		Static at Time Sampled	Total Gallons Purged		Sample Time				
		21.40	6		0652				
Comments:									

GROUNDWATER SAMPLING FIELD NOTES

Technician: Ricky H.

Site: 0618

Project No.: 154771

Date: 12/22/09

Well No. mw. 2

Purge Method: Sub

Depth to Water (feet): 22.55

Depth to Product (feet): —

Total Depth (feet): 29.53

LPH & Water Recovered (gallons): —

Water Column (feet): 6.98

Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 23.95

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	D O (mg/L)	ORP	Turbidity
0626			2	479.9	13.6	6.89			
			4	489.6	14.8	6.93			
	0631		6	499.8	15.7	6.88			
Static at Time Sampled			Total Gallons Purged		Sample Time				
23.01			6		0636				
Comments:									

Well No. _____

Purge Method: _____

Depth to Water (feet): _____

Depth to Product (feet): _____

Total Depth(feet) _____

LPH & Water Recovered (gallons): _____

Water Column (feet): _____

Casing Diameter (Inches): _____

80% Recharge Depth(feet): _____

1 Well Volume (gallons): _____

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	D O (mg/L)	ORP	Turbidity
Static at Time Sampled			Total Gallons Purged		Sample Time				
Comments:									



Laboratories, Inc.

Environmental Testing Laboratory Since 1949

Date of Report: 12/29/2008

Anju Farfan

TRC

21 Technology Drive
Irvine, CA 92618

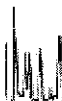
RE: 0018
BC Work Order: 0816801
Invoice ID: B055126

Enclosed are the results of analyses for samples received by the laboratory on 12/22/2008. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Molly Meyers
Client Service Rep

Authorized Signature



TRC
21 Technology Drive
Irvine, CA 92618

Project: 0018
Project Number: Inone1
Project Manager: Anju Fartan

Reported: 12/29/2008 15:26

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			Receive Date:	Delivery Work Order:
0816801-01	COC Number:	---		12/22/2008 20:40	
	Project Number:	0018		12/22/2008 06:45	Global ID: T0600102231
	Sampling Location:	---		Sample Depth: ---	Location ID (FieldPoint): MW-1
	Sampling Point:	MW-1		Sample Matrix: Water	Matrix: W
	Sampled By:	Ricky H. of TRCI			Sample QC Type (SACode): CS Cooler ID:
0816801-02	COC Number:	---		12/22/2008 20:40	Delivery Work Order:
	Project Number:	0018		12/22/2008 06:52	Global ID: T0600102231
	Sampling Location:	---		Sample Depth: ---	Location ID (FieldPoint): MW-3
	Sampling Point:	MW-3		Sample Matrix: Water	Matrix: W
	Sampled By:	Ricky H. of TRCI			Sample QC Type (SACode): CS Cooler ID:
0816801-03	COC Number:	---		12/22/2008 20:40	Delivery Work Order:
	Project Number:	0018		12/22/2008 06:38	Global ID: T0600102231
	Sampling Location:	---		Sample Depth: ---	Location ID (FieldPoint): MW-2
	Sampling Point:	MW-2		Sample Matrix: Water	Matrix: W
	Sampled By:	Ricky H. of TRCI			Sample QC Type (SACode): CS Cooler ID:

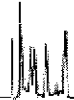
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Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



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TRC
21 Technology Drive
Irvine, CA 92618

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

Reported: 12/29/2008 15:26

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0816801-01 Client Sample Name: 0018, MW-1, 12/22/2008 6:45:00AM, Ricky H.

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	12/26/08	12/27/08 08:07	JCC	MS-V4	1	BRL1849	ND	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	12/26/08	12/27/08 08:07	JCC	MS-V4	1	BRL1849	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	12/26/08	12/27/08 08:07	JCC	MS-V4	i	BRL1849	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	12/26/08	12/27/08 08:07	JCC	MS-V4	i	BRL1849	ND	
Methyl t-butyl ether	9.6	ug/L	0.50		EPA-8260	12/26/08	12/27/08 08:07	JCC	MS-V4	1	BRL1849	ND	
Toluene	ND	ug/L	0.50		EPA-8260	12/26/08	12/27/08 08:07	JCC	MS-V4	1	BRL1849	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	12/26/08	12/27/08 08:07	JCC	MS-V4	1	BRL1849	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	12/26/08	12/27/08 08:07	JCC	MS-V4	1	BRL1849	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	12/26/08	12/27/08 08:07	JCC	MS-V4	i	BRL1849	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	12/26/08	12/27/08 08:07	JCC	MS-V4	i	BRL1849	ND	
Ethanol	ND	ug/L	250		EPA-8260	12/26/08	12/27/08 08:07	JCC	MS-V4	i	BRL1849	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	12/26/08	12/27/08 08:07	JCC	MS-V4	1	BRL1849	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	12/26/08	12/27/08 08:07	JCC	MS-V4	1	BRL1849	ND	
1,2-Dichloroethane-d4 (Surrogate)	98.8	%	76 - 114 (LCL - UCL)		EPA-8260	12/26/08	12/27/08 08:07	JCC	MS-V4	i	BRL1849		
Toluene-d8 (Surrogate)	98.8	%	88 - 110 (LCL - UCL)		EPA-8260	12/26/08	12/27/08 08:07	JCC	MS-V4	i	BRL1849		
4-Bromofluorobenzene (Surrogate)	97.5	%	86 - 115 (LCL - UCL)		EPA-8260	12/26/08	12/27/08 08:07	JCC	MS-V4	i	BRL1849		

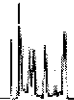
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TRC
21 Technology Drive
Irvine, CA 92618

Project: 0018
Project Number: Inonej
Project Manager: Anju Farfan

Reported: 12/29/2008 15:26

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0816801-02		Client Sample Name: 0018, MW-3, 12/22/2008 6:52:00AM, Ricky H.											
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	12/26/08	12/27/08 08:32	JCC	MS-V4	i	BRL1849	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	12/26/08	12/27/08 08:32	JCC	MS-V4	1	BRL1849	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	12/26/08	12/27/08 08:32	JCC	MS-V4	1	BRL1849	ND	
Toluene	ND	ug/L	0.50		EPA-8260	12/26/08	12/27/08 08:32	JCC	MS-V4	1	BRL1849	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	12/26/08	12/27/08 08:32	JCC	MS-V4	i	BRL1849	ND	
Ethanol	ND	ug/L	250		EPA-8260	12/26/08	12/27/08 08:32	JCC	MS-V4	i	BRL1849	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	12/26/08	12/27/08 08:32	JCC	MS-V4	1	BRL1849	ND	
1,2-Dichloroethane-d4 (Surrogate)	103	%	76 - 114 (LCL - UCL)		EPA-8260	12/26/08	12/27/08 08:32	JCC	MS-V4	1	BRL1849		
Toluene-d8 (Surrogate)	100	%	88 - 110 (LCL - UCL)		EPA-8260	12/26/08	12/27/08 08:32	JCC	MS-V4	1	BRL1849		
4-Bromofluorobenzene (Surrogate)	99.1	%	86 - 115 (LCL - UCL)		EPA-8260	12/26/08	12/27/08 08:32	JCC	MS-V4	i	BRL1849		

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TRC
21 Technology Drive
Irvine, CA 92618

Project: 0018
Project Number: Inonej
Project Manager: Anju Farfan

Reported: 12/29/2008 15:26

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0816801-03		Client Sample Name: 0018, MW-2, 12/22/2008 6:38:00AM, Ricky H.											
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	12/26/08	12/27/08 08:56	JCC	MS-V4	1	BRL1849	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	12/26/08	12/27/08 08:56	JCC	MS-V4	1	BRL1849	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	12/26/08	12/27/08 08:56	JCC	MS-V4	1	BRL1849	ND	
Toluene	ND	ug/L	0.50		EPA-8260	12/26/08	12/27/08 08:56	JCC	MS-V4	1	BRL1849	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	12/26/08	12/27/08 08:56	JCC	MS-V4	1	BRL1849	ND	
Ethanol	ND	ug/L	250		EPA-8260	12/26/08	12/27/08 08:56	JCC	MS-V4	1	BRL1849	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	12/26/08	12/27/08 08:56	JCC	MS-V4	1	BRL1849	ND	
1,2-Dichloroethane-d4 (Surrogate)	103	%	76 - 114 (LCL - UCL)		EPA-8260	12/26/08	12/27/08 08:56	JCC	MS-V4	i	BRL1849		
Toluene-d8 (Surrogate)	96.7	%	88 - 110 (LCL - UCL)		EPA-8260	12/26/08	12/27/08 08:56	JCC	MS-V4	i	BRL1849		
4-Bromofluorobenzene (Surrogate)	95.0	%	86 - 115 (LCL - UCL)		EPA-8260	12/26/08	12/27/08 08:56	JCC	MS-V4	i	BRL1849		

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TRC
21 Technology Drive
Irvine, CA 92618

Project: 0018
Project Number: Inone1
Project Manager: Anju Farfan

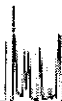
Reported: 12/29/2008 15:26

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits		Lab Quals
										RPD	Percent Recovery	
Benzene	BRL1849	Matrix Spike	0816792-02	0	28.200	25.000	ug/L		113		70 - 130	
		Matrix Spike Duplicate	0816792-02	0	28.530	25.000	ug/L	0.9	114	20	70 - 130	
Toluene	BRL1849	Matrix Spike	0816792-02	0.21000	27.330	25.000	ug/L		108		70 - 130	
		Matrix Spike Duplicate	0816792-02	0.21000	27.770	25.000	ug/L	1.8	110	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BRL1849	Matrix Spike	0816792-02	ND	10.020	10.000	ug/L		100		76 - 114	
		Matrix Spike Duplicate	0816792-02	ND	10.130	10.000	ug/L		101		76 - 114	
Toluene-d8 (Surrogate)	BRL1849	Matrix Spike	0816792-02	ND	9.9400	10.000	ug/L		99.4		88 - 110	
		Matrix Spike Duplicate	0816792-02	ND	10.050	10.000	ug/L		100		88 - 110	
4-Bromofluorobenzene (Surrogate)	BRL1849	Matrix Spike	0816792-02	ND	10.210	10.000	ug/L		102		86 - 115	
		Matrix Spike Duplicate	0816792-02	ND	9.7600	10.000	ug/L		97.6		86 - 115	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
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TRC
21 Technology Drive
Irvine, CA 92618

Project: 0018
Project Number: Inonej
Project Manager: Anju Fartan

Reported: 12/29/2008 15:26

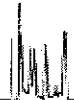
Volatile Organic Analysis (EPA Method 8260)

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	BRL1849	BRL1849-BS1	LCS	27.740	25.000	0.50	ug/L	111		70 - 130		
Toluene	BRL1849	BRL1849-BS1	LCS	27.280	25.000	0.50	ug/L	109		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BRL1849	BRL1849-BS1	LCS	9.9100	10.000		ug/L	99.1		76 - 114		
Toluene-d8 (Surrogate)	BRL1849	BRL1849-BS1	LCS	9.9400	10.000		ug/L	99.4		88 - 110		
4-Bromofluorobenzene (Surrogate)	BRL1849	BRL1849-BS1	LCS	10.120	10.000		ug/L	101		86 - 115		

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TRC
21 Technology Drive
Irvine, CA 92618

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

Reported: 12/29/2008 15:26

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	BRL1849	BRL1849-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BRL1849	BRL1849-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BRL1849	BRL1849-BLK1	ND	ug/L	0.50		
Ethylbenzene	BRL1849	BRL1849-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BRL1849	BRL1849-BLK1	ND	ug/L	0.50		
Toluene	BRL1849	BRL1849-BLK1	ND	ug/L	0.50		
Total Xylenes	BRL1849	BRL1849-BLK1	ND	ug/L	1.0		
t-Amyl Methyl ether	BRL1849	BRL1849-BLK1	ND	ug/L	0.50		
t-Butyl alcohol	BRL1849	BRL1849-BLK1	ND	ug/L	10		
Diisopropyl ether	BRL1849	BRL1849-BLK1	ND	ug/L	0.50		
Ethanol	BRL1849	BRL1849-BLK1	ND	ug/L	250		
Ethyl t-butyl ether	BRL1849	BRL1849-BLK1	ND	ug/L	0.50		
Total Purgeable Petroleum Hydrocarbons	BRL1849	BRL1849-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BRL1849	BRL1849-BLK1	97.6	%		76 - 114 (LCL - UCL)	
Toluene-d8 (Surrogate)	BRL1849	BRL1849-BLK1	97.3	%		88 - 110 (LCL - UCL)	
4-Bromofluorobenzene (Surrogate)	BRL1849	BRL1849-BLK1	95.5	%		86 - 115 (LCL - UCL)	

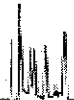
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Laboratories, Inc.

Environmental Testing Laboratory Since 1949



TRC
21 Technology Drive
Irvine, CA 92618

Project: 0018
Project Number: Inone1
Project Manager: Anju Fartan

Reported: 12/29/2008 15:26

Notes And Definitions

MDL Method Detection Limit
ND Analyte Not Detected at or above the reporting limit
PQL Practical Quantitation Limit
RPD Relative Percent Difference

Submission #: 0816801

SHIPPING INFORMATION Federal Express <input type="checkbox"/> UPS <input type="checkbox"/> Hand Delivery <input type="checkbox"/> BC Lab Field Service <input checked="" type="checkbox"/> Other <input type="checkbox"/> (Specify) _____	SHIPPING CONTAINER Ice Chest <input checked="" type="checkbox"/> None <input type="checkbox"/> Box <input type="checkbox"/> Other <input type="checkbox"/> (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

Emissivity: 0.98 Container: Q716 Thermometer ID: T11103 Date/Time: 12-22-08
 Temperature: A 0.9 °C / C 1.1 °C Analyst Init: JNW

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A(3)	A(3)	A(3)	()	()	()	()	()	()	()
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 509/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments: _____
 Sample Numbering Completed By: PLM Date/Time: 12-22-08
 A = Actual / C = Corrected

2200

BC LABORATORIES, INC.

4100 Atlas Court Bakersfield, CA 93308
 (661) 327-4911 FAX (661) 327-1918

CHAIN OF CUSTODY

Analysis Requested

0816801

Bill to: Conoco Phillips/ TRC		Consultant Firm: TRC		MATRIX (GW)	BTEX/MTBE by 8021B, Gas by 8015															
Address: 6201 claremont AVE		21 Technology Drive Irvine, CA 92618-2302 Attn: Anju Farfan		Ground-water																
City: Oakland		4-digit site#: 0018		(S)																
		Workorder # 01062-4509118496		(WW)																
State: CA Zip:		Project #: 154771		Waste-water																
Conoco Phillips Mgr: R.T. G. G. G.		Sampler Name: RICKY H		(SL)																
Lab#	Sample Description	Field Point Name	Date & Time Sampled	Sludge																
		mw-1	12/22/08 0645	GW						X	X	X	X							
		mw-3	↓ 0652	↓																
		mw-2	↓ 0638	↓																

CHK BY [Signature] DISTRIBUTION [Signature] SUB OUT [Signature]

Comments: GLOBAL ID: T0600102231	Relinquished by: (Signature) [Signature]	Received by: Ross Dickey	Date & Time 12/22/08 1420
	Relinquished by: (Signature) Ross Dickey 12/22/08	Received by: [Signature]	Date & Time 12-22-08 1730
	Relinquished by: (Signature) Ricky H 12-22-08 2040	Received by: [Signature]	Date & Time 12-22-08 2040

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STATEMENTS

Purge Water Disposal

Non-hazardous groundwater produced during purging and sampling of monitoring wells was accumulated at TRC's groundwater monitoring facility at Concord, California, for transportation by a licensed carrier, 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 others.

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.