21 Technology Drive
Irvine, CA 92618

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www.TRCsolutions.com

DATE: March 31, 2009

TO: ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

ATTN: MR. TERRY GRAYSON

SITE: 76 STATION 5487
28250 HESPERIAN BOULEVARD
HAYWARD, CALIFORNIA

RE: ANNUAL MONITORING REPORT
APRIL 2008 THROUGH MARCH 2009

Dear Mr. Grayson:

Please find enclosed our Annual Monitoring Report for 76 Station 5487, located at 28250 Hesperian Boulevard, Hayward, California. If you have any questions regarding this report, please call us at (949) 727-9336.

Sincerely,

TRC

Anju Farfan
Groundwater Program Operations Manager

CC: Mr. Dennis Dettloff, Delta Environmental (1 copy)

Enclosures
20-0400/5487R06.QMS

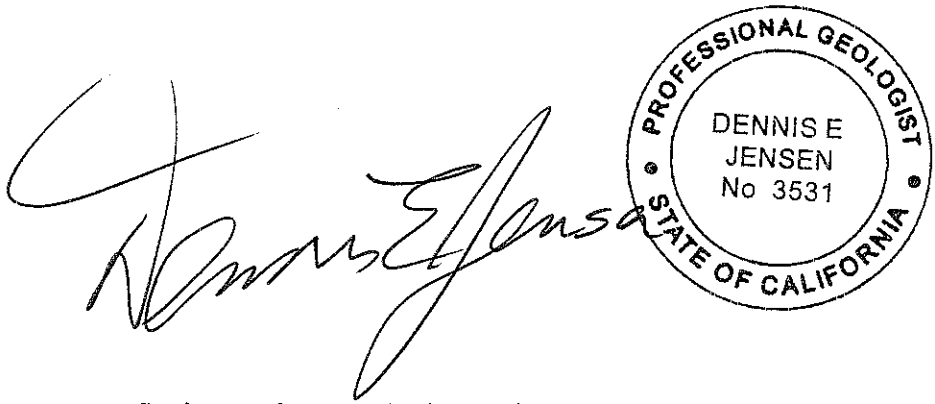
ANNUAL MONITORING REPORT
APRIL 2008 THROUGH MARCH 2009

76 STATION 5487
28250 Hesperian Boulevard
Hayward, California

Prepared For:

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

By:



Senior Project Geologist, Irvine Operations

Date: 3/30/09

LIST OF ATTACHMENTS	
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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 – 02/25/09 Groundwater Sampling Field Notes – 02/25/09
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Statements	Purge Water Disposal Limitations

Summary of Gauging and Sampling Activities
April 2008 through March 2009
76 Station 5487
28250 Hesperian Boulevard
Hayward, CA

Project Coordinator: **Terry Grayson**
Telephone: **916-558-7666**
Water Sampling Contractor: ***TRC***
Compiled by: **Christina Carrillo**
Date(s) of Gauging/Sampling Event: **02/25/09**

Sample Points

Groundwater wells: **6** onsite, **1** offsite Points gauged: **7** Points sampled: **7**
Purging method: **Diaphragm/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: **3.26 feet** Maximum: **6.4 feet**
Average groundwater elevation (relative to available local datum): **6.24 feet**
Average change in groundwater elevation since previous event: **0.94 feet**
Interpreted groundwater gradient and flow direction:
Current event: **0.015 ft/ft, south**
Previous event: **0.007 ft/ft, south (01/25/08)**

Selected Laboratory Results

Sample Points with detected **Benzene:** **1** Sample Points above MCL (1.0 µg/l): **1**
Maximum reported benzene concentration: **28 µg/l (MW-5)**

Sample Points with **TPH-G by GC/MS** **1** Maximum: **190 µg/l (MW-5)**
Sample Points with **MTBE 8260B** **3** Maximum: **33 µg/l (MW-7)**

Notes:

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

TABLES

TABLE KEY

STANDARD 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)
D	=	duplicate
P	=	no-purge sample

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-G (GC/MS)	=	total petroleum hydrocarbons with gasoline distinction utilizing EPA Method 8260B
TPH-D	=	total petroleum hydrocarbons with diesel distinction
TRPH	=	total recoverable petroleum hydrocarbons
TAME	=	tertiary amyl methyl ether
1,1-DCA	=	1,1-dichloroethane
1,2-DCA	=	1,2-dichloroethane (same as EDC, ethylene dichloride)
1,1-DCE	=	1,1-dichloroethene
1,2-DCE	=	1,2-dichloroethene (cis- and trans-)

NOTES

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

REFERENCE

TRC began groundwater monitoring and sampling for 76 Station 5487 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 5487

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)
Table 1a	Well/ Date	TPH-D	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	TPH-Motor Oil			

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)
Table 2a	Well/ Date	TPH-D	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	TPH-Motor Oil	Total Oil and Grease		

Table 1
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 25, 2009
76 Station 5487

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: 4.0-28.0)**											
2/25/2009	11.73	5.39	0.00	6.34	0.74	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-2			**(Screen Interval in feet: 4.0-24.0)**											
2/25/2009	12.58	5.98	0.00	6.60	0.65	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-3			**(Screen Interval in feet: 5.0-25.0)**											
2/25/2009	11.99	6.40	0.00	5.59	0.31	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-4			**(Screen Interval in feet: 5.0-25.0)**											
2/25/2009	11.58	3.26	0.00	8.32	2.73	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-5			**(Screen Interval in feet: 4.0-24.0)**											
2/25/2009	10.79	5.11	0.00	5.68	0.53	--	190	28	ND<0.50	1.7	ND<1.0	--	5.0	
MW-6			**(Screen Interval in feet: 5.0-18.0)**											
2/25/2009	11.18	5.17	0.00	6.01	0.69	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.2	
MW-7			**(Screen Interval in feet: 3.5-19.0)**											
2/25/2009	9.39	4.25	0.00	5.14	0.96	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	33	

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Table 1 a
ADDITIONAL CURRENT ANALYTICAL RESULTS
76 Station 5487

Date Sampled	TPH-D (µg/l)	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)	TPH-Motor Oil (µg/l)
MW-1									
2/25/2009	ND<39	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<98
MW-2									
2/25/2009	ND<38	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<95
MW-3									
2/25/2009	ND<39	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<98
MW-4									
2/25/2009	--	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
MW-5									
2/25/2009	--	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
MW-6									
2/25/2009	--	280	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
MW-7									
2/25/2009	--	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

April 1989 Through February 2009

76 Station 5487

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: 4.0-28.0)**											
4/26/1989	--	--	0.00	--	--	ND	--	2.1	ND	ND	ND	--	--	
8/16/1989	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/14/1989	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
2/16/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
5/16/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/29/1990	--	--	--	--	--	ND	--	ND	ND	ND	0.74	--	--	
11/15/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
2/11/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
5/10/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/2/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/7/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/4/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
5/3/1993	12.57	6.87	0.00	5.70	--	--	--	--	--	--	--	--	--	
8/5/1993	12.57	7.49	0.00	5.08	-0.62	ND	--	ND	ND	ND	ND	--	--	
11/5/1993	11.73	6.98	0.00	4.75	-0.33	--	--	--	--	--	--	--	--	
2/7/1994	11.73	6.26	0.00	5.47	0.72	--	--	--	--	--	--	--	--	
5/2/1994	11.73	6.27	0.00	5.46	-0.01	--	--	--	--	--	--	--	--	
8/2/1994	11.73	6.89	0.00	4.84	-0.62	ND	--	ND	ND	ND	ND	--	--	
11/2/1994	11.73	7.07	0.00	4.66	-0.18	--	--	--	--	--	--	--	--	
2/1/1995	11.73	5.17	0.00	6.56	1.90	--	--	--	--	--	--	--	--	
5/2/1995	11.73	5.65	0.00	6.08	-0.48	--	--	--	--	--	--	--	--	
8/3/1995	11.73	6.21	0.00	5.52	-0.56	ND	--	ND	ND	ND	ND	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

April 1989 Through February 2009

76 Station 5487

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														
11/6/1995	11.73	6.80	0.00	4.93	-0.59	--	--	--	--	--	--	--	--	
2/2/1996	11.73	3.88	0.00	7.85	2.92	--	--	--	--	--	--	--	--	Sampled annually
2/7/1997	11.73	4.63	0.00	7.10	-0.75	--	--	--	--	--	--	--	--	Sampling discontinued
2/9/1998	11.73	2.70	0.00	9.03	1.93	--	--	--	--	--	--	--	--	
2/2/1999	11.73	5.42	0.00	6.31	-2.72	--	--	--	--	--	--	--	--	
2/4/2000	11.73	4.08	0.00	7.65	1.34	--	--	--	--	--	--	--	--	
2/2/2001	11.73	5.26	0.00	6.47	-1.18	--	--	--	--	--	--	--	--	
3/2/2002	11.73	5.65	0.00	6.08	-0.39	--	--	--	--	--	--	--	--	
2/22/2003	11.73	5.87	0.00	5.86	-0.22	--	--	--	--	--	--	--	--	
2/20/2004	11.73	6.01	0.00	5.72	-0.14	--	--	--	--	--	--	--	--	Monitored Only
3/2/2005	11.73	5.02	0.00	6.71	0.99	--	--	--	--	--	--	--	--	Monitored only
2/13/2006	11.73	5.39	0.00	6.34	-0.37	--	--	--	--	--	--	--	--	Monitored only
1/12/2007	11.73	6.57	0.00	5.16	-1.18	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
1/25/2008	11.73	6.13	0.00	5.60	0.44	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
2/25/2009	11.73	5.39	0.00	6.34	0.74	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-2			**(Screen Interval in feet: 4.0-24.0)**											
4/26/1989	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/16/1989	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/14/1989	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
2/16/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
5/16/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/29/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/15/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	

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Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

April 1989 Through February 2009

76 Station 5487

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														
2/11/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
5/10/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/2/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/7/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/4/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
5/3/1993	12.89	7.30	0.00	5.59	--	--	--	--	--	--	--	--	--	
8/5/1993	12.89	7.97	0.00	4.92	-0.67	ND	--	ND	ND	ND	ND	--	--	
11/5/1993	12.58	7.97	0.00	4.61	-0.31	--	--	--	--	--	--	--	--	
2/7/1994	12.58	7.09	0.00	5.49	0.88	--	--	--	--	--	--	--	--	
5/2/1994	12.58	7.23	0.00	5.35	-0.14	--	--	--	--	--	--	--	--	
8/2/1994	12.58	7.87	0.00	4.71	-0.64	ND	--	ND	ND	ND	ND	--	--	
11/2/1994	12.58	7.98	0.00	4.60	-0.11	--	--	--	--	--	--	--	--	
2/1/1995	12.58	6.13	0.00	6.45	1.85	--	--	--	--	--	--	--	--	
5/2/1995	12.58	7.04	0.00	5.54	-0.91	--	--	--	--	--	--	--	--	
8/3/1995	12.58	7.19	0.00	5.39	-0.15	ND	--	ND	ND	ND	ND	--	--	
11/6/1995	12.58	7.80	0.00	4.78	-0.61	--	--	--	--	--	--	--	--	
2/2/1996	12.58	5.91	0.00	6.67	1.89	--	--	--	--	--	--	--	--	Sampled annually
2/7/1997	12.58	5.65	0.00	6.93	0.26	--	--	--	--	--	--	--	--	Sampling discontinued
2/9/1998	12.58	3.63	0.00	8.95	2.02	--	--	--	--	--	--	--	--	
2/2/1999	12.58	6.36	0.00	6.22	-2.73	--	--	--	--	--	--	--	--	
2/4/2000	12.58	6.04	0.00	6.54	0.32	--	--	--	--	--	--	--	--	
2/2/2001	12.58	6.44	0.00	6.14	-0.40	--	--	--	--	--	--	--	--	
3/2/2002	12.58	6.61	0.00	5.97	-0.17	--	--	--	--	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
April 1989 Through February 2009
76 Station 5487

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														
2/22/2003	12.58	--	--	--	--	--	--	--	--	--	--	--	--	
2/20/2004	12.58	6.80	0.00	5.78	--	--	--	--	--	--	--	--	--	Monitored Only
3/2/2005	12.58	5.75	0.00	6.83	1.05	--	--	--	--	--	--	--	--	Monitored only
2/13/2006	12.58	6.50	0.00	6.08	-0.75	--	--	--	--	--	--	--	--	Monitored only
1/12/2007	12.58	7.32	0.00	5.26	-0.82	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
1/25/2008	12.58	6.63	0.00	5.95	0.69	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
2/25/2009	12.58	5.98	0.00	6.60	0.65	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-3			**(Screen Interval in feet: 5.0-25.0)**											
4/26/1989	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/16/1989	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/14/1989	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
2/16/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
5/16/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/29/1990	--	--	--	--	--	ND	--	ND	0.52	ND	ND	--	--	
11/15/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
2/11/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
5/10/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/2/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/7/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/4/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
5/3/1993	12.46	6.82	0.00	5.64	--	--	--	--	--	--	--	--	--	
8/5/1993	12.46	7.50	0.00	4.96	-0.68	--	--	--	--	--	--	--	--	
11/5/1993	11.99	7.35	0.00	4.64	-0.32	--	--	--	--	--	--	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

April 1989 Through February 2009

76 Station 5487

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														
2/7/1994	11.99	6.58	0.00	5.41	0.77	--	--	--	--	--	--	--	--	
5/2/1994	11.99	6.62	0.00	5.37	-0.04	--	--	--	--	--	--	--	--	
8/2/1994	11.99	7.24	0.00	4.75	-0.62	ND	--	ND	ND	ND	ND	--	--	
11/2/1994	11.99	7.42	0.00	4.57	-0.18	--	--	--	--	--	--	--	--	
2/1/1995	11.99	5.55	0.00	6.44	1.87	--	--	--	--	--	--	--	--	
5/2/1995	11.99	5.70	0.00	6.29	-0.15	--	--	--	--	--	--	--	--	
8/3/1995	11.99	6.59	0.00	5.40	-0.89	ND	--	ND	ND	ND	ND	--	--	
11/6/1995	11.99	7.20	0.00	4.79	-0.61	--	--	--	--	--	--	--	--	
2/2/1996	11.99	4.08	0.00	7.91	3.12	--	--	--	--	--	--	--	--	Sampled annually
2/7/1997	11.99	5.04	0.00	6.95	-0.96	--	--	--	--	--	--	--	--	Sampling discontinued
2/9/1998	11.99	3.11	0.00	8.88	1.93	--	--	--	--	--	--	--	--	
2/2/1999	11.99	5.69	0.00	6.30	-2.58	--	--	--	--	--	--	--	--	
2/4/2000	11.99	4.26	0.00	7.73	1.43	--	--	--	--	--	--	--	--	
2/2/2001	11.99	4.91	0.00	7.08	-0.65	--	--	--	--	--	--	--	--	
3/2/2002	11.99	6.07	0.00	5.92	-1.16	--	--	--	--	--	--	--	--	
2/22/2003	11.99	6.37	0.00	5.62	-0.30	--	--	--	--	--	--	--	--	
2/20/2004	11.99	6.57	0.00	5.42	-0.20	--	--	--	--	--	--	--	--	Monitored Only
3/2/2005	11.99	6.30	0.00	5.69	0.27	--	--	--	--	--	--	--	--	Monitored only
2/13/2006	11.99	6.80	0.00	5.19	-0.50	--	--	--	--	--	--	--	--	Monitored only
1/12/2007	11.99	6.90	0.00	5.09	-0.10	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
1/25/2008	11.99	6.71	0.00	5.28	0.19	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
2/25/2009	11.99	6.40	0.00	5.59	0.31	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-4			**(Screen Interval in feet: 5.0-25.0)**											

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

April 1989 Through February 2009

76 Station 5487

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-4 continued														
4/26/1989	--	--	--	--	--	ND	--	0.33	ND	ND	ND	--	--	
8/16/1989	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/14/1989	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
2/16/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
5/16/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/29/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/15/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
2/11/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
5/10/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/2/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/7/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/4/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
5/3/1993	12.09	6.60	0.00	5.49	--	--	--	--	--	--	--	--	--	
8/5/1993	12.09	7.28	0.00	4.81	-0.68	ND	--	ND	ND	ND	ND	--	--	
11/5/1993	11.58	7.07	0.00	4.51	-0.30	--	--	--	--	--	--	--	--	
2/7/1994	11.58	6.21	0.00	5.37	0.86	--	--	--	--	--	--	--	--	
5/2/1994	11.58	6.32	0.00	5.26	-0.11	--	--	--	--	--	--	--	--	
8/2/1994	11.58	6.95	0.00	4.63	-0.63	ND	--	ND	ND	ND	ND	--	--	
11/2/1994	11.58	7.13	0.00	4.45	-0.18	--	--	--	--	--	--	--	--	Sampled annually
2/1/1995	11.58	5.23	0.00	6.35	1.90	--	--	--	--	--	--	--	--	
5/2/1995	11.58	5.43	0.00	6.15	-0.20	--	--	--	--	--	--	--	--	
8/3/1995	11.58	6.33	0.00	5.25	-0.90	ND	--	ND	ND	ND	ND	--	--	
11/6/1995	11.58	6.90	0.00	4.68	-0.57	--	--	--	--	--	--	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

April 1989 Through February 2009

76 Station 5487

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-4 continued														
2/2/1996	11.58	3.71	0.00	7.87	3.19	--	--	--	--	--	--	--	--	
2/7/1997	11.58	4.46	0.00	7.12	-0.75	--	--	--	--	--	--	--	--	Sampling discontinued
2/9/1998	11.58	2.55	0.00	9.03	1.91	--	--	--	--	--	--	--	--	
2/2/1999	11.58	5.37	0.00	6.21	-2.82	--	--	--	--	--	--	--	--	
2/4/2000	11.58	4.09	0.00	7.49	1.28	--	--	--	--	--	--	--	--	
2/2/2001	11.58	5.12	0.00	6.46	-1.03	--	--	--	--	--	--	--	--	
3/2/2002	11.58	5.51	0.00	6.07	-0.39	--	--	--	--	--	--	--	--	
2/22/2003	11.58	6.12	0.00	5.46	-0.61	--	--	--	--	--	--	--	--	
2/20/2004	11.58	5.83	0.00	5.75	0.29	--	--	--	--	--	--	--	--	Monitored Only
3/2/2005	11.58	4.78	0.00	6.80	1.05	--	--	--	--	--	--	--	--	Monitored only
2/13/2006	11.58	6.03	0.00	5.55	-1.25	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	--	
1/12/2007	11.58	6.82	0.00	4.76	-0.79	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
1/25/2008	11.58	5.99	0.00	5.59	0.83	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
2/25/2009	11.58	3.26	0.00	8.32	2.73	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-5			**(Screen Interval in feet: 4.0-24.0)**											
4/26/1989	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/16/1989	--	--	--	--	--	4400	--	1400	84	200	950	--	--	
8/31/1989	--	--	--	--	--	910	--	120	7.1	50	53	--	--	
11/14/1989	--	--	--	--	--	73	--	4.7	0.97	2.9	16	--	--	
2/16/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
5/16/1990	--	--	--	--	--	1100	--	310	2.8	70	110	--	--	
8/29/1990	--	--	--	--	--	ND	--	0.7	ND	0.57	1.1	--	--	
11/15/1990	--	--	--	--	--	ND	--	ND	ND	ND	0.47	--	--	

TRC

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
April 1989 Through February 2009
76 Station 5487

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-5 continued														
2/11/1991	--	--	--	--	--	58	--	23	ND	2.9	1.3	--	--	
5/10/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/2/1991	--	--	--	--	--	100	--	43	0.33	12	5.2	--	--	
11/7/1991	--	--	--	--	--	700	--	43	1.7	29	24	--	--	
2/5/1992	--	--	--	--	--	120	--	20	ND	4.4	4.7	--	--	
5/5/1992	--	--	--	--	--	170	--	45	0.48	9	6.8	--	--	
8/4/1992	--	--	--	--	--	80	--	13	ND	4.5	6.9	--	--	
11/5/1992	--	--	--	--	--	120	--	16	ND	3.5	3	--	--	
2/2/1993	--	--	--	--	--	77	--	5	ND	1.2	1.3	--	--	
5/3/1993	11.18	6.16	0.00	5.02	--	260	--	35	ND	2.3	3.1	--	--	
8/5/1993	11.18	6.97	0.00	4.21	-0.81	530	--	210	0.62	54	44	--	--	
11/5/1993	10.79	6.81	0.00	3.98	-0.23	110	--	12	ND	2.3	2.3	--	--	
2/7/1994	10.79	5.70	0.00	5.09	1.11	180	--	22	ND	6.4	5.9	--	--	
5/2/1994	10.79	5.96	0.00	4.83	-0.26	170	--	38	0.73	8.5	8.4	--	--	
8/2/1994	10.79	6.68	0.00	4.11	-0.72	59	--	16	ND	2.4	3.1	--	--	
11/2/1994	10.79	6.86	0.00	3.93	-0.18	450	--	73	1.6	6.2	11	--	--	
2/1/1995	10.79	4.85	0.00	5.94	2.01	170	--	11	ND	2.4	3.9	--	--	
5/2/1995	10.79	4.95	0.00	5.84	-0.10	ND	--	7.5	0.51	1.2	1.6	--	--	
8/3/1995	10.79	6.03	0.00	4.76	-1.08	ND	--	12	ND	0.7	ND	--	--	
11/6/1995	10.79	6.70	0.00	4.09	-0.67	160	--	80	ND	7.4	10	120	--	
2/2/1996	10.79	3.50	0.00	7.29	3.20	64	--	20	ND	3.9	6.1	150	--	
2/7/1997	10.79	4.26	0.00	6.53	-0.76	85	--	16	0.56	1.7	3.8	250	--	
2/9/1998	10.79	2.29	0.00	8.50	1.97	220	--	54	ND	3.2	5.9	230	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

April 1989 Through February 2009

76 Station 5487

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-5 continued														
2/2/1999	10.79	5.07	0.00	5.72	-2.78	61	--	19	ND	1.3	2.1	110	--	
2/4/2000	10.79	3.68	0.00	7.11	1.39	ND	--	8.4	ND	ND	ND	86	--	
2/2/2001	10.79	4.38	0.00	6.41	-0.70	ND	--	6.42	ND	ND	ND	223	--	
3/2/2002	10.79	5.68	0.00	5.11	-1.30	93	--	11	ND<0.50	ND<0.50	ND<0.50	350	--	
2/22/2003	10.79	5.84	0.00	4.95	-0.16	--	76	4.0	ND<0.50	ND<0.50	ND<1.0	--	180	
2/20/2004	10.79	5.63	0.00	5.16	0.21	--	610	47	ND<1.0	2.7	ND<2.0	--	270	
3/2/2005	10.79	4.74	0.00	6.05	0.89	--	110	8.2	1.2	0.88	2.1	--	350	
2/13/2006	10.79	5.86	0.00	4.93	-1.12	--	170	8.1	ND<0.50	ND<0.50	ND<1.0	--	73	
1/12/2007	10.79	6.63	0.00	4.16	-0.77	--	120	5.9	ND<0.50	ND<0.50	ND<0.50	--	26	
1/25/2008	10.79	5.64	0.00	5.15	0.99	--	85	3.7	ND<0.50	ND<0.50	ND<1.0	--	6.3	
2/25/2009	10.79	5.11	0.00	5.68	0.53	--	190	28	ND<0.50	1.7	ND<1.0	--	5.0	
MW-6			**(Screen Interval in feet: 5.0-18.0)**											
8/4/1992	--	--	--	--	--	540	--	12	7.9	35	110	--	--	
11/5/1992	--	--	--	--	--	300	--	16	2.3	14	14	--	--	
2/2/1993	--	--	--	--	--	400	--	66	5.5	32	13	--	--	
5/3/1993	11.47	6.28	0.00	5.19	--	520	--	47	2.6	33	48	--	--	
8/5/1993	11.47	7.05	0.00	4.42	-0.77	230	--	25	1.6	12	29	--	--	
11/5/1993	11.18	7.02	0.00	4.16	-0.26	100	--	1.8	ND	0.79	2.2	--	--	
2/7/1994	11.18	6.00	0.00	5.18	1.02	1100	--	130	14	13	130	--	--	
5/2/1994	11.18	6.18	0.00	5.00	-0.18	440	--	20	4.2	11	26	--	--	
8/2/1994	11.18	6.88	0.00	4.30	-0.70	220	--	13	1	12	28	--	--	
11/2/1994	11.18	7.05	0.00	4.13	-0.17	840	--	30	2.5	26	57	--	--	
2/1/1995	11.18	5.04	0.00	6.14	2.01	340	--	26	0.77	2.6	7	--	--	

TRC

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

April 1989 Through February 2009

76 Station 5487

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-6 continued														
5/2/1995	11.18	5.00	0.00	6.18	0.04	ND	--	5.7	ND	0.81	1.1	--	--	
8/3/1995	11.18	6.26	0.00	4.92	-1.26	ND	--	0.76	ND	ND	ND	--	--	
11/6/1995	11.18	6.87	0.00	4.31	-0.61	210	--	17	0.66	14	37	130	--	
2/2/1996	11.18	3.64	0.00	7.54	3.23	300	--	51	0.65	30	18	280	--	
2/7/1997	11.18	4.41	0.00	6.77	-0.77	66	--	5.8	1.2	2.1	6.6	450	--	
2/9/1998	11.18	2.51	0.00	8.67	1.90	ND	--	1	ND	ND	ND	450	--	
2/2/1999	11.18	5.14	0.00	6.04	-2.63	ND	--	2.6	ND	1	2.9	490	--	
2/4/2000	11.18	4.11	0.00	7.07	1.03	110	--	3.9	ND	ND	ND	830	--	
2/2/2001	11.18	5.06	0.00	6.12	-0.95	ND	--	4.79	ND	ND	ND	1800	1790	
3/2/2002	11.18	6.09	0.00	5.09	-1.03	69	--	3.8	ND<0.50	ND<0.50	ND<0.50	780	900	
2/22/2003	11.18	6.05	0.00	5.13	0.04	--	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	550	
2/20/2004	11.18	5.63	0.00	5.55	0.42	--	1900	ND<13	ND<13	ND<13	ND<25	--	2800	
3/2/2005	11.18	4.80	0.00	6.38	0.83	--	ND<200	3.0	0.58	0.68	ND<1.0	--	390	
2/13/2006	11.18	6.12	0.00	5.06	-1.32	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	--	
1/12/2007	11.18	6.80	0.00	4.38	-0.68	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	3.0	
1/25/2008	11.18	5.86	0.00	5.32	0.94	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.8	
2/25/2009	11.18	5.17	0.00	6.01	0.69	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.2	
MW-7			**(Screen Interval in feet: 3.5-19.0)**											
7/3/1996	--	--	--	--	--	--	--	--	--	--	--	--	--	
7/30/1996	9.39	--	--	--	--	ND	--	ND	ND	ND	ND	ND	--	
2/7/1997	9.39	3.75	0.00	5.64	--	ND	--	ND	ND	ND	ND	ND	--	
2/9/1998	9.39	1.69	0.00	7.70	2.06	ND	--	ND	ND	ND	ND	ND	--	
2/2/1999	9.39	4.14	0.00	5.25	-2.45	ND	--	ND	ND	ND	ND	ND	--	

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Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

April 1989 Through February 2009

76 Station 5487

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-7 continued														
2/4/2000	9.39	3.97	0.00	5.42	0.17	ND	--	ND	ND	ND	ND	ND	--	
2/2/2001	9.39	4.05	0.00	5.34	-0.08	ND	--	ND	ND	ND	ND	ND	--	
3/2/2002	9.39	4.32	0.00	5.07	-0.27	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
2/22/2003	9.39	5.64	0.00	3.75	-1.32	--	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	69	
2/20/2004	9.39	4.93	0.00	4.46	0.71	--	67	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	79	
3/2/2005	9.39	4.01	0.00	5.38	0.92	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	120	
2/13/2006	9.39	6.82	0.00	2.57	-2.81	--	51	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	73	
1/12/2007	9.39	6.57	0.00	2.82	0.25	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	38	
1/25/2008	9.39	5.21	0.00	4.18	1.36	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
2/25/2009	9.39	4.25	0.00	5.14	0.96	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	33	

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5487

Date Sampled	TPH-D (µg/l)	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)	TPH-Motor Oil (µg/l)	Total Oil and Grease (mg/l)
MW-1										
11/14/1989	ND	--	--	--	--	--	--	--	--	ND
2/16/1990	ND	--	--	--	--	--	--	--	--	ND
5/16/1990	ND	--	--	--	--	--	--	--	--	ND
8/29/1990	ND	--	--	--	--	--	--	--	--	ND
11/15/1990	ND	--	--	--	--	--	--	--	--	ND
2/11/1991	ND	--	--	--	--	--	--	--	--	ND
1/12/2007	ND<200	--	--	--	--	--	--	--	ND<500	--
1/25/2008	ND<200	--	--	--	--	--	--	--	ND<500	--
2/25/2009	ND<39	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<98	--
MW-2										
4/26/1989	ND	--	--	--	--	--	--	--	--	ND
11/14/1989	ND	--	--	--	--	--	--	--	--	ND
5/16/1990	ND	--	--	--	--	--	--	--	--	ND
1/12/2007	ND<200	--	--	--	--	--	--	--	ND<500	--
1/25/2008	ND<200	--	--	--	--	--	--	--	ND<500	--
2/25/2009	ND<38	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<95	--
MW-3										
4/26/1989	ND	--	--	--	--	--	--	--	--	ND
1/12/2007	ND<200	--	--	--	--	--	--	--	ND<500	--
1/25/2008	ND<200	--	--	--	--	--	--	--	ND<500	--
2/25/2009	ND<39	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<98	--
MW-4										
4/26/1989	ND	--	--	--	--	--	--	--	--	ND
2/13/2006	--	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--

TRC

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5487

Date Sampled	TPH-D (µg/l)	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)	TPH-Motor Oil (µg/l)	Total Oil and Grease (mg/l)
MW-4 continued										
1/12/2007	--	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--
1/25/2008	--	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--
2/25/2009	--	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
MW-5										
4/26/1989	ND	--	--	--	--	--	--	--	--	ND
2/20/2004	--	--	ND<1000	--	--	--	--	--	--	--
3/2/2005	--	--	ND<100	--	--	--	--	--	--	--
2/13/2006	--	--	ND<250	--	--	--	--	--	--	--
1/12/2007	--	--	ND<250	--	--	--	--	--	--	--
1/25/2008	--	--	ND<250	--	--	--	--	--	--	--
2/25/2009	--	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
MW-6										
2/2/2001	--	ND	ND	ND	ND	ND	ND	ND	--	--
3/2/2002	--	ND<500	ND<2500	ND<10	ND<10	ND<10	ND<10	ND<10	--	--
2/22/2003	--	ND<500	ND<2500	ND<10	ND<10	ND<10	ND<10	ND<10	--	--
2/20/2004	--	ND<2500	ND<13000	ND<50	ND<50	ND<50	ND<50	ND<50	--	--
3/2/2005	--	330	ND<200	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--
2/13/2006	--	350	--	--	--	ND<0.50	ND<0.50	ND<0.50	--	--
1/12/2007	--	400	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
1/25/2008	--	270	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
2/25/2009	--	280	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
MW-7										
2/20/2004	--	--	ND<500	--	--	--	--	--	--	--
3/2/2005	--	--	ND<50	--	--	--	--	--	--	--

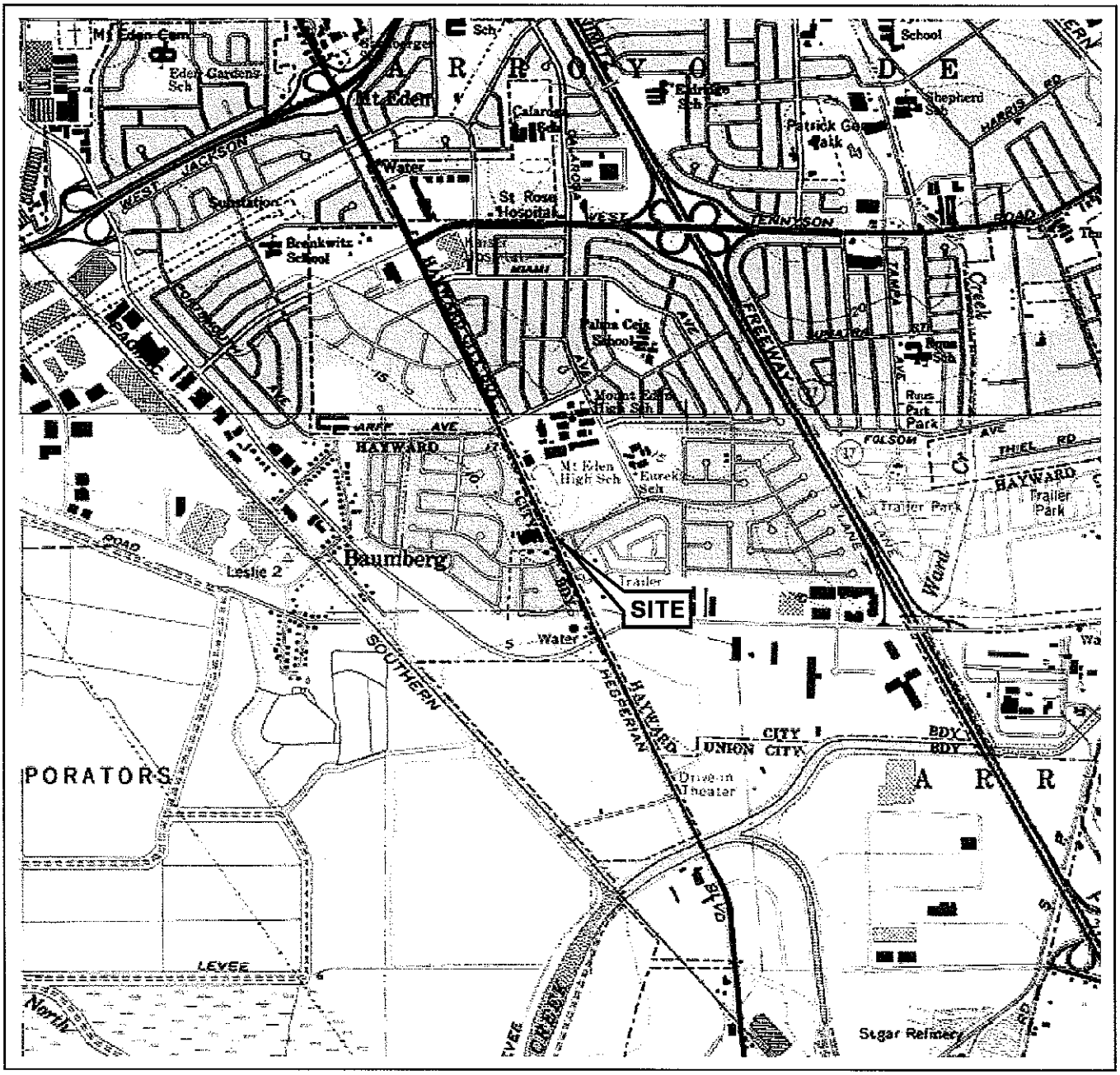
TRC

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5487

Date Sampled	TPH-D (µg/l)	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)	TPH-Motor Oil (µg/l)	Total Oil and Grease (mg/l)
MW-7 continued										
2/13/2006	--	--	ND<250	--	--	--	--	--	--	--
1/12/2007	--	--	ND<250	--	--	--	--	--	--	--
1/25/2008	--	--	ND<250	--	--	--	--	--	--	--
2/25/2009	--	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--

TRC

FIGURES



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

SCALE 1:24,000

N

SOURCE:

United States Geological Survey
7 5 Minute Topographic Map:
Hayward Quadrangle

QUADRANGLE LOCATION

TRC

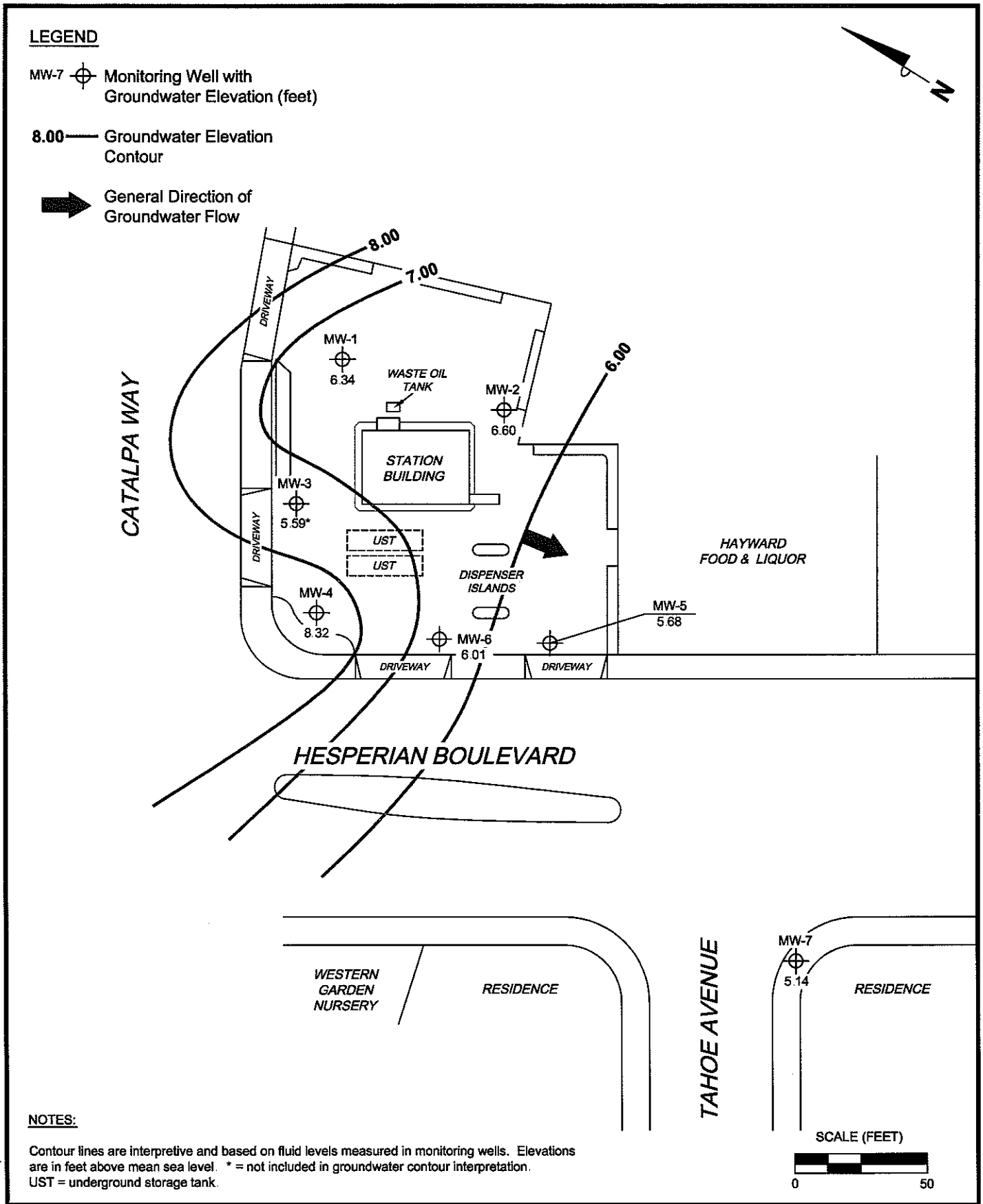
FACILITY:

76 STATION 5487
28250 HESPERIAN BOULEVARD
HAYWARD, CALIFORNIA

VICINITY MAP

FIGURE 1

PS=1:1 L:\QMS VICINITY MAPS\5487vm.dwg Jan 20, 2009 - 12:30pm aakers



NOTES:

Contour lines are interpretive and based on fluid levels measured in monitoring wells. Elevations are in feet above mean sea level. * = not included in groundwater contour interpretation.
UST = underground storage tank.

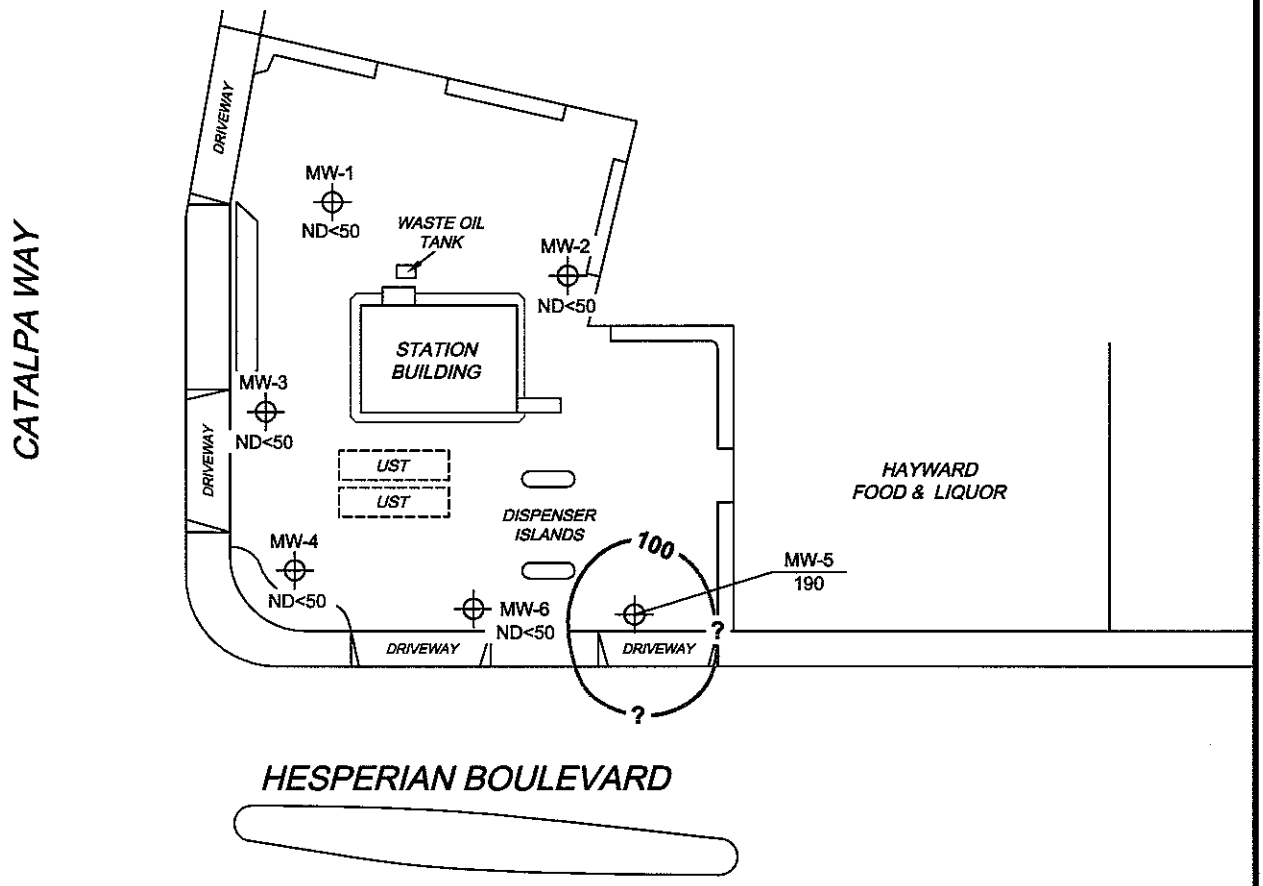
TRC	PROJECT: 165521 FACILITY: 76 STATION 5487 28250 HESPERIAN BOULEVARD HAYWARD, CALIFORNIA	**GROUNDWATER ELEVATION CONTOUR MAP** **February 25, 2009** **FIGURE 2**

MS=1:1 5487-003 L:\Graphics\QMS NORTH-SOUTH\x-5000\5487+\5487QMS.dwg Mar 31, 2009 - 8:56am bschmidt

LEGEND

MW-7 ⊕ Monitoring Well with Dissolved-Phase TPH-G (GC/MS) Concentration (µg/l)

100 Dissolved-Phase TPH-G (GC/MS) Contour (µg/l)



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. TPH-G (GC/MS) = total petroleum hydrocarbons with gasoline distinction utilizing EPA Method 8260B. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank.

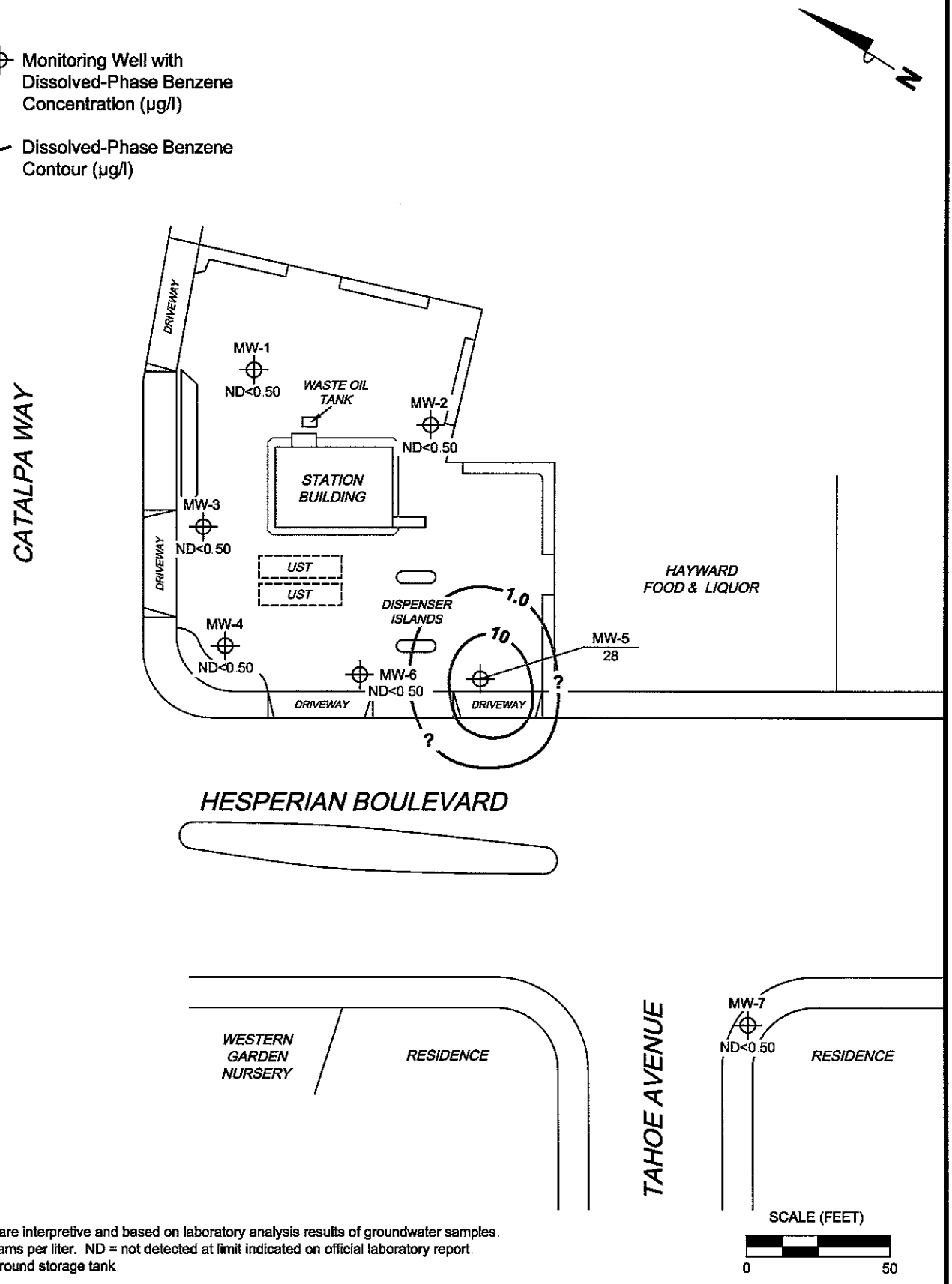
TRC	PROJECT: 165521 FACILITY: 76 STATION 5487 28250 HESPERIAN BOULEVARD HAYWARD, CALIFORNIA	**DISSOLVED-PHASE TPH-G (GC/MS) CONCENTRATION MAP** **February 25, 2009** **FIGURE 3**

MS=1:1 5487-003 L:\Graphics\QMS NORTH-SOUTH\x-5000\5487+\5487QMS.dwg Mar 18, 2009 - 4:27pm amartos

LEGEND

MW-7 ⊕ Monitoring Well with Dissolved-Phase Benzene Concentration (µg/l)

10 Dissolved-Phase Benzene Contour (µg/l)



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples.
µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report.
UST = underground storage tank.

SCALE (FEET)

0 50

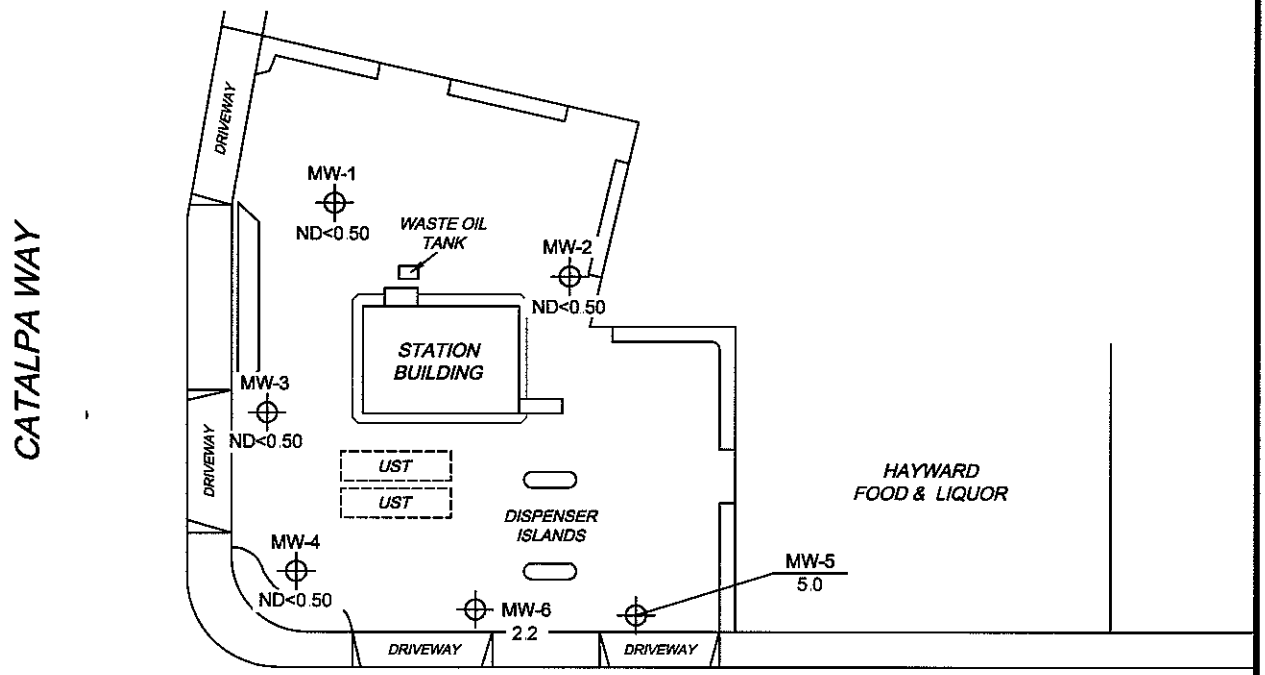
TRC	PROJECT: 165521 FACILITY: 76 STATION 5487 28250 HESPERIAN BOULEVARD HAYWARD, CALIFORNIA	**DISSOLVED-PHASE BENZENE CONCENTRATION MAP** **February 25, 2009** **FIGURE 4**

MS=1:1 5487-003 L:\Graphics\QMS NORTH-SOUTH\x-5000\5487-\5487QMS.dwg Mar 18, 2009 - 4:28pm amartos

LEGEND

MW-7 ⊕ Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)

10 Dissolved-Phase MTBE Contour (µg/l)



NOTES:

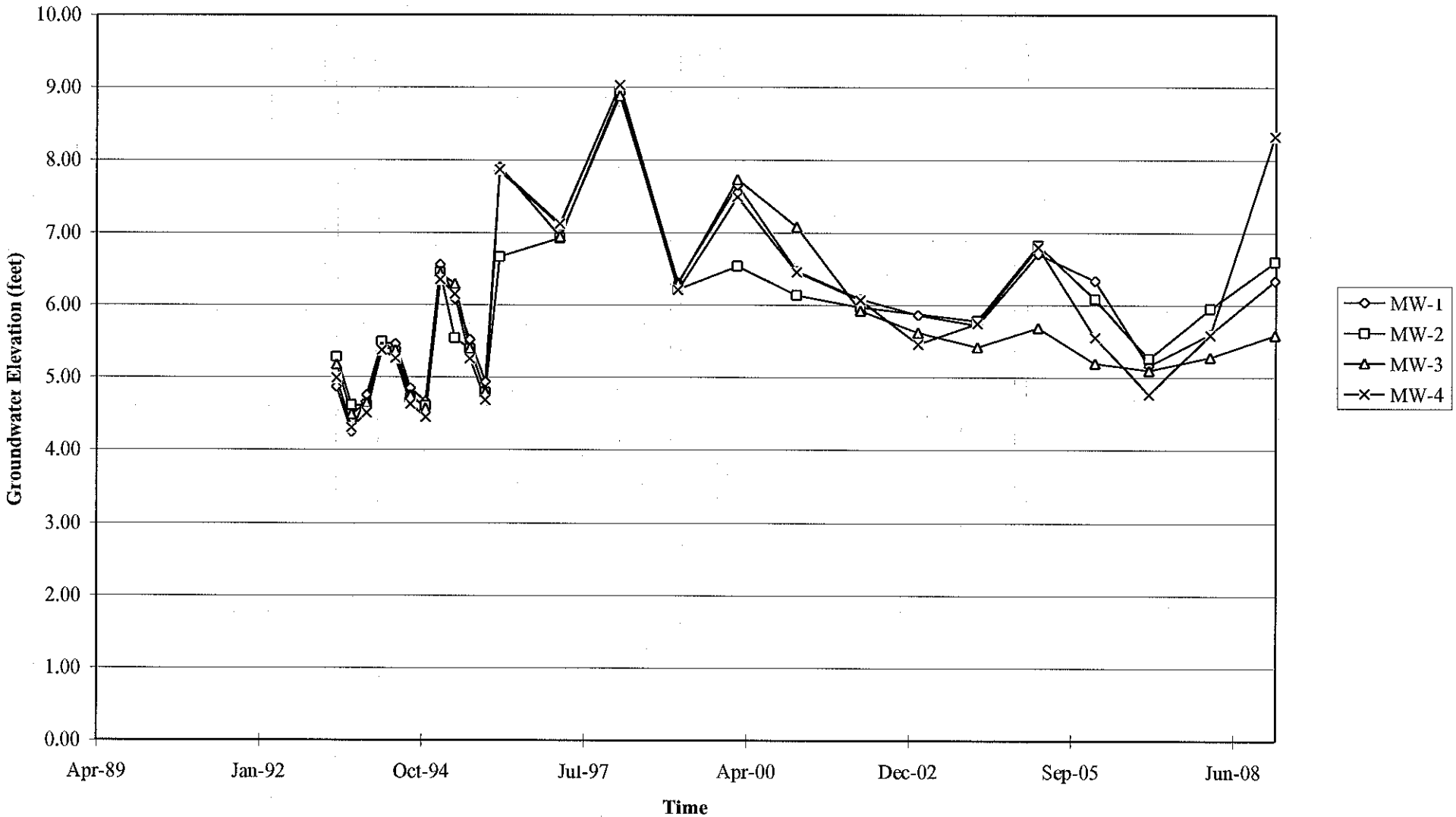
Contour lines are interpretive and based on laboratory analysis results of groundwater samples. MTBE = methyl tertiary butyl ether. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank Results obtained using EPA Method 8260B.

TRC	PROJECT: 165521 FACILITY: 76 STATION 5487 28250 HESPERIAN BOULEVARD HAYWARD, CALIFORNIA	**DISSOLVED-PHASE MTBE CONCENTRATION MAP** **February 25, 2009** **FIGURE 5**

MS=1:1 5487-003 L:\Graphics\QMS NORTH-SOUTH\x-5000\5487+\5487QMS.dwg Mar 18, 2009 - 4:28pm amartos

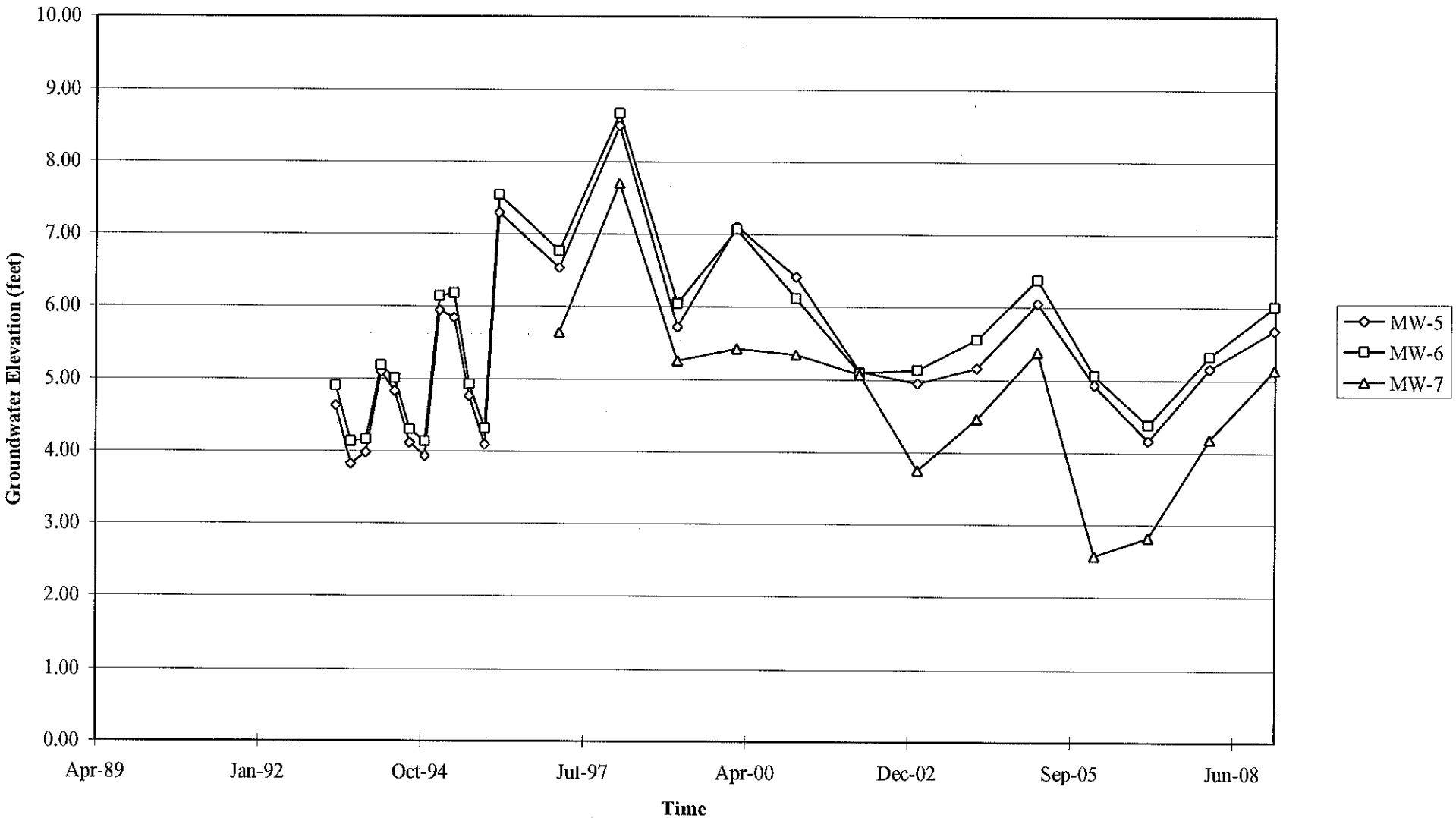
GRAPHS

Groundwater Elevations vs. Time
76 Station 5487



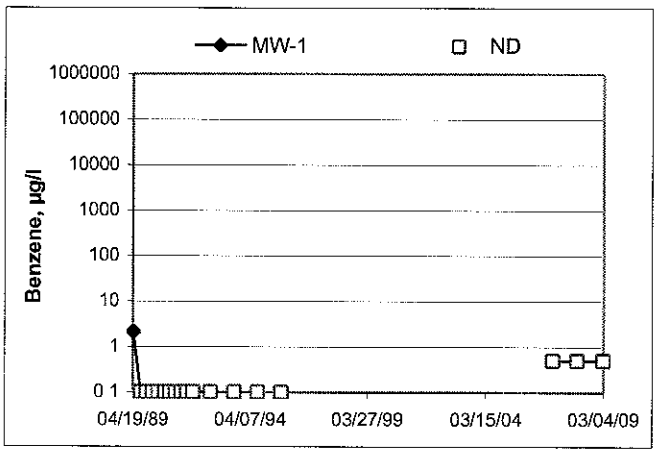
Elevations may have been corrected for apparent changes due to resurvey

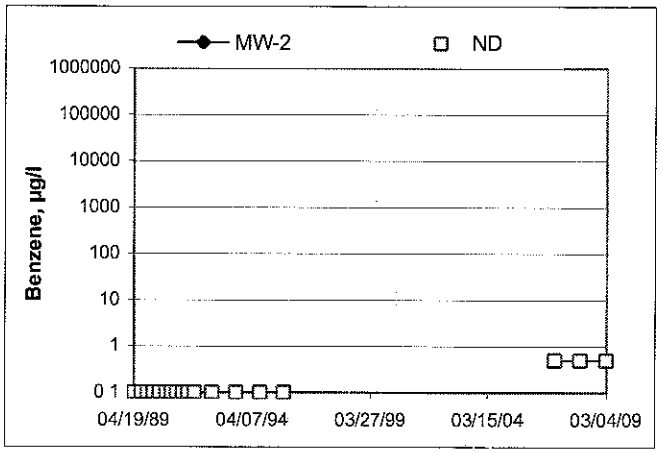
Groundwater Elevations vs. Time
76 Station 5487

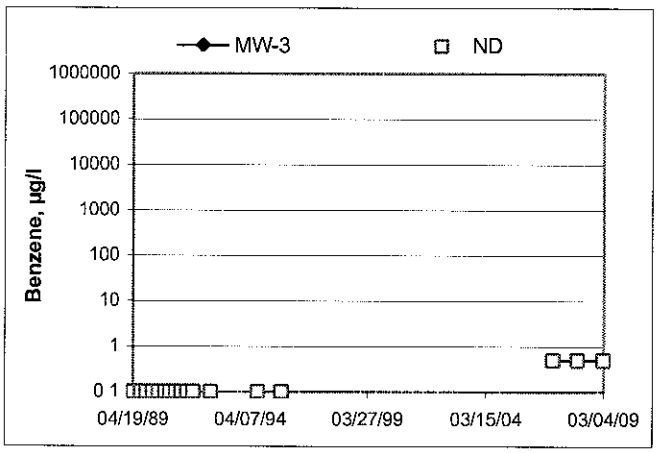


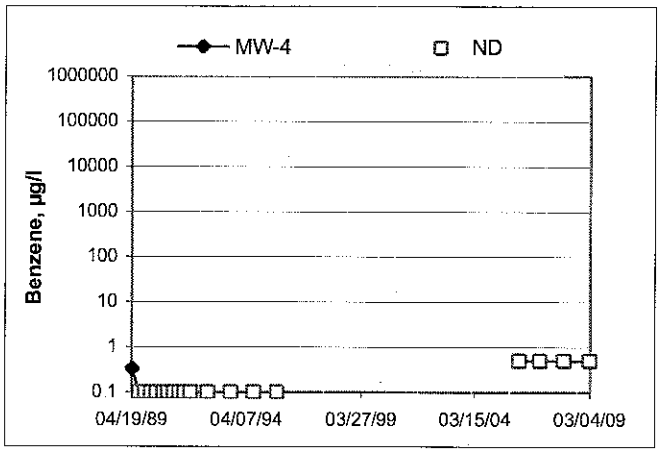
Elevations may have been corrected for apparent changes due to resurvey

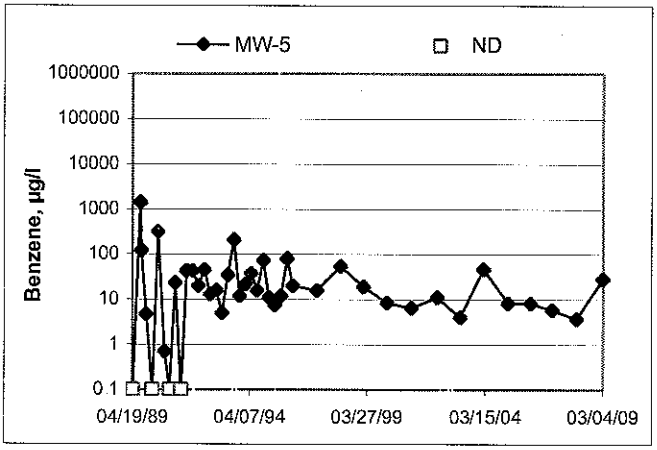
Benzene Concentrations vs Time
76 Station 5487

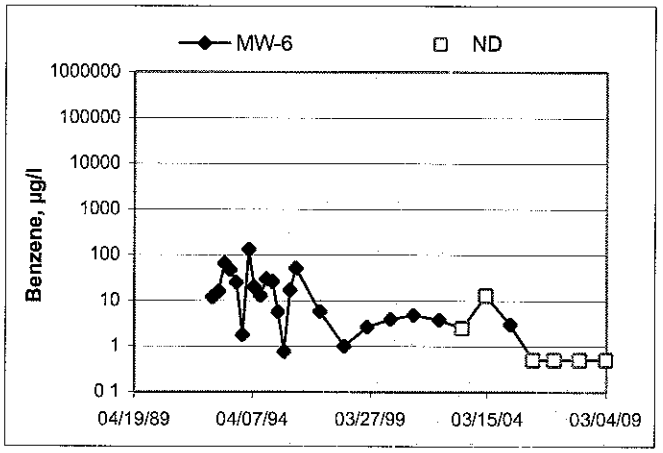


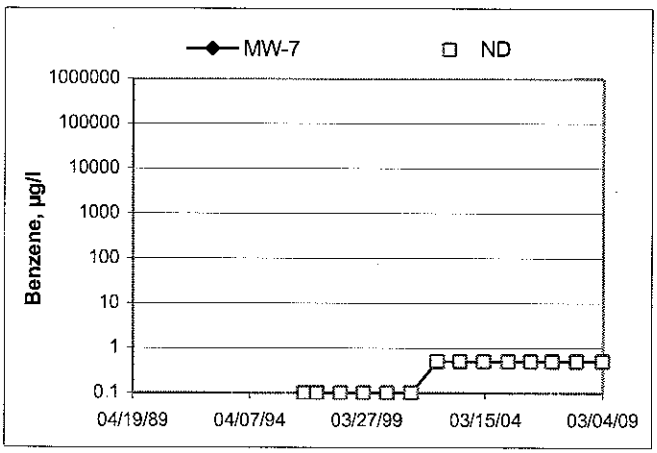












GENERAL FIELD PROCEDURES

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: JOE Job #/Task #: 165521/FA20 Date: 02-25-09

Site # 5487 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-3	X	0601	24.40	6.40	—	—	0727	2"
MW-4	X	0604	24.59	3.26	—	—	0855	2"
MW-1	X	0610	27.32	5.39	—	—	0815	2"
MW-7	X	0618	19.02	4.25	—	—	0757	2"
MW-2	X	0629	23.52	5.98	—	—	0830	2"
MW-6	X	0631	18.00	5.17	—	—	0910	2"
MW-5	X	0638	24.12	5.11	—	—	0930	2"

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

MANIFEST / DRUM INVENTORY / TRAFFIC CONTROL

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: JOE

Site: 5487 Project No.: 165521 Date: 02-25-09

Well No. MW-3 Purge Method: DFA

Depth to Water (feet): 6.40
Total Depth (feet) 24.40
Water Column (feet): 18.00
80% Recharge Depth(feet): 10.00

Depth to Product (feet):
LPH & Water Recovered (gallons):
Casing Diameter (Inches): 2"
1 Well Volume (gallons): 4

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F (C))	pH	D.O (mg/L)	ORP	Turbidity
0715			4	1404	17.1	7.35			
			8	1402	18.4	7.39			
	0717		12	1403	19.2	7.40			

Static at Time Sampled	Total Gallons Purged	Sample Time
10.00	12	0727

Comments: RECOVERS QUICKLY

Well No. MW-4 Purge Method: ~~DFA~~ RP Sub

Depth to Water (feet): 3.26
Total Depth (feet) 24.59
Water Column (feet): 21.33
80% Recharge Depth(feet): 7.52

Depth to Product (feet):
LPH & Water Recovered (gallons):
Casing Diameter (Inches): 2"
1 Well Volume (gallons): 4

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F (C))	pH	D.O (mg/L)	ORP	Turbidity
0845			4	1239	19.4	7.82			
			8	1266	19.9	7.69			
	0850		12	1275	20.4	7.69			

Static at Time Sampled	Total Gallons Purged	Sample Time
7.40	12	0855

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: JOE

Site: 5487 Project No.: 165521 Date: 02-25-09

Well No. MW-1 Purge Method: ~~DEA~~ Sub

Depth to Water (feet): 5.39
Total Depth (feet) 27.32
Water Column (feet): 21.93
80% Recharge Depth(feet): 9.77

Depth to Product (feet):
LPH & Water Recovered (gallons):
Casing Diameter (Inches): 2"
1 Well Volume (gallons): 4

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F C)	pH	D.O. (mg/L)	ORP	Turbidity
0801			4	1274	18.5	7.61			
			8	1290	19.2	7.52			
	0808		12	1283	19.2	7.66			

Static at Time Sampled	Total Gallons Purged	Sample Time
5.58	12	0815

Comments:

Well No. MW-7 Purge Method: ~~DEA~~ Sub

Depth to Water (feet): 4.25
Total Depth (feet) 19.02
Water Column (feet): 14.77
80% Recharge Depth(feet): 7.20

Depth to Product (feet):
LPH & Water Recovered (gallons):
Casing Diameter (Inches): 2"
1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F C)	pH	D.O. (mg/L)	ORP	Turbidity
0741			3	1304	15.7	7.85			
			6	1349	16.8	7.65			
	0748		9	1385	17.0	7.64			

Static at Time Sampled	Total Gallons Purged	Sample Time
7.20	9	0752

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: JOE

Site: 5487 Project No.: 165521 Date: 02-25-09

Well No. MW-2 Purge Method: DIA Sub

Depth to Water (feet): 5.98
Total Depth (feet) 23.52
Water Column (feet): 17.54
80% Recharge Depth(feet): 9.48

Depth to Product (feet):
LPH & Water Recovered (gallons):
Casing Diameter (Inches): 2"
1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F)	pH	D.O. (mg/L)	ORP	Turbidity
0823			3	1055	17.9	7.44			
			6	1096	18.3	7.69			
	0828		9	1128	18.6	7.73			

Static at Time Sampled	Total Gallons Purged	Sample Time
7.10	9	0830

Comments:

Well No. MW-6 Purge Method: DIA Sub

Depth to Water (feet): 5.17
Total Depth (feet) 18.00
Water Column (feet): 12.83
80% Recharge Depth(feet): 7.73

Depth to Product (feet):
LPH & Water Recovered (gallons):
Casing Diameter (Inches): 2"
1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F)	pH	D.O. (mg/L)	ORP	Turbidity
0903			3	1304	19.6	7.80			
			6	1316	19.9	7.64			
	0907		9	1308	20.0	7.64			

Static at Time Sampled	Total Gallons Purged	Sample Time
7.73	9	0910

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: JOE

Site: 5487 Project No: 165521 Date: 02-25-09

Well No. MW-5 Purge Method: DTW Sub

Depth to Water (feet): 5.11
Total Depth (feet) 24.12
Water Column (feet): 19.01
80% Recharge Depth(feet): 8.91

Depth to Product (feet): —
LPH & Water Recovered (gallons): —
Casing Diameter (Inches): 2"
1 Well Volume (gallons): 4

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F C)	pH	D.O (mg/L)	ORP	Turbidity
0919			4	1489	19.7	7.58			
			8	1449	19.9	7.65			
	0925		12	1445	20.0	7.65			

Static at Time Sampled	Total Gallons Purged	Sample Time
5.71	12	0930

Comments:

Well No. ____ Purge Method: ____

Depth to Water (feet): ____
Total Depth (feet) ____
Water Column (feet): ____
80% Recharge Depth(feet): ____

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

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

Static at Time Sampled	Total Gallons Purged	Sample Time

Comments:

TRC

BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

Date of Report: 03/16/2009

Anju Farfan

TRC
21 Technology Drive
Irvine, CA 92618

RE: 5487
BC Work Order: 0902732
Invoice ID: B058851

Enclosed are the results of analyses for samples received by the laboratory on 2/26/2009. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Meyers

Contact Person: Molly Meyers
Client Service Rep

Authorized Signature

TRC 21 Technology Drive Irvine, CA 92618	Project: 5487 Project Number: 4510943393 Project Manager: Anju Farfan	**Reported:** 03/16/2009 9:26

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
0902732-01	**COC Number:**	---	**Receive Date:**	02/26/2009 21:50	Delivery Work Order:
	Project Number:	5487	**Sampling Date:**	02/25/2009 07:27	Global ID: T0600101462
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): MW-3
	Sampling Point:	MW-3	**Sample Matrix:**	Water	Matrix: W
	Sampled By:	TRCI			Sample QC Type (SACode): CS
					Cooler ID:
0902732-02	**COC Number:**	---	**Receive Date:**	02/26/2009 21:50	Delivery Work Order:
	Project Number:	5487	**Sampling Date:**	02/25/2009 08:55	Global ID: T0600101462
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): MW-4
	Sampling Point:	MW-4	**Sample Matrix:**	Water	Matrix: W
	Sampled By:	TRCI			Sample QC Type (SACode): CS
					Cooler ID:
0902732-03	**COC Number:**	---	**Receive Date:**	02/26/2009 21:50	Delivery Work Order:
	Project Number:	5487	**Sampling Date:**	02/25/2009 08:15	Global ID: T0600101462
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): MW-1
	Sampling Point:	MW-1	**Sample Matrix:**	Water	Matrix: W
	Sampled By:	TRCI			Sample QC Type (SACode): CS
					Cooler ID:
0902732-04	**COC Number:**	---	**Receive Date:**	02/26/2009 21:50	Delivery Work Order:
	Project Number:	5487	**Sampling Date:**	02/25/2009 07:57	Global ID: T0600101462
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): MW-7
	Sampling Point:	MW-7	**Sample Matrix:**	Water	Matrix: W
	Sampled By:	TRCI			Sample QC Type (SACode): CS
					Cooler ID:

TRC 21 Technology Drive Irvine, CA 92618	Project: 5487 Project Number: 4510943393 Project Manager: Anju Fartan	**Reported:** 03/16/2009 9:26

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
0902732-05	**COC Number:**	---	**Receive Date:**	02/26/2009 21:50	Delivery Work Order:
	Project Number:	5487	**Sampling Date:**	02/25/2009 08:30	Global ID: T0600101462
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): MW-2
	Sampling Point:	MW-2	**Sample Matrix:**	Water	Matrix: W
	Sampled By:	TRCI			Sample QC Type (SACode): CS
					Cooler ID:
0902732-06	**COC Number:**	---	**Receive Date:**	02/26/2009 21:50	Delivery Work Order:
	Project Number:	5487	**Sampling Date:**	02/25/2009 09:10	Global ID: T0600101462
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): MW-6
	Sampling Point:	MW-6	**Sample Matrix:**	Water	Matrix: W
	Sampled By:	TRCI			Sample QC Type (SACode): CS
					Cooler ID:
0902732-07	**COC Number:**	---	**Receive Date:**	02/26/2009 21:50	Delivery Work Order:
	Project Number:	5487	**Sampling Date:**	02/25/2009 09:30	Global ID: T0600101462
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): MW-5
	Sampling Point:	MW-5	**Sample Matrix:**	Water	Matrix: W
	Sampled By:	TRCI			Sample QC Type (SACode): CS
					Cooler ID:

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5487
Project Number: 4510943393
Project Manager: Anju Farfan

Reported: 03/16/2009 9:26

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0902732-01 | **Client Sample Name:** 5487, MW-3, 2/25/2009 7:27:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 18:21	KEA	MS-V12	1	BSC0006	ND	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 18:21	KEA	MS-V12	1	BSC0006	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 18:21	KEA	MS-V12	1	BSC0006	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 18:21	KEA	MS-V12	1	BSC0006	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 18:21	KEA	MS-V12	1	BSC0006	ND	
Toluene	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 18:21	KEA	MS-V12	1	BSC0006	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	03/02/09	03/02/09 18:21	KEA	MS-V12	1	BSC0006	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 18:21	KEA	MS-V12	1	BSC0006	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	03/02/09	03/02/09 18:21	KEA	MS-V12	1	BSC0006	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 18:21	KEA	MS-V12	1	BSC0006	ND	
Ethanol	ND	ug/L	250		EPA-8260	03/02/09	03/02/09 18:21	KEA	MS-V12	1	BSC0006	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 18:21	KEA	MS-V12	1	BSC0006	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		Luft-GC/MS	03/02/09	03/02/09 18:21	KEA	MS-V12	1	BSC0006	ND	
1,2-Dichloroethane-d4 (Surrogate)	102	%	76 - 114 (LCL - UCL)		EPA-8260	03/02/09	03/02/09 18:21	KEA	MS-V12	1	BSC0006		
Toluene-d8 (Surrogate)	99.5	%	88 - 110 (LCL - UCL)		EPA-8260	03/02/09	03/02/09 18:21	KEA	MS-V12	1	BSC0006		
4-Bromofluorobenzene (Surrogate)	91.7	%	86 - 115 (LCL - UCL)		EPA-8260	03/02/09	03/02/09 18:21	KEA	MS-V12	1	BSC0006		

TRC 21 Technology Drive Irvine, CA 92618	Project: 5487 Project Number: 4510943393 Project Manager: Anju Farfan	**Reported:** 03/16/2009 9:26

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 0902732-01 | **Client Sample Name:** 5487, MW-3, 2/25/2009 7:27:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
TPH - Diesel (FFP)	ND	ug/L	39		Luft/FFP	03/09/09	03/12/09 20:31	CKD	GC-2	0.196	BSC0830	ND	
TPH - Motor Oil	ND	ug/L	98		Luft/FFP	03/09/09	03/12/09 20:31	CKD	GC-2	0.196	BSC0830	ND	

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5487
Project Number: 4510943393
Project Manager: Anju Farfan

Reported: 03/16/2009 9:26

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0902732-02 **Client Sample Name:** 5487, MW-4, 2/25/2009 8:55:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 17:57	KEA	MS-V12	1	BSC0006	ND	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 17:57	KEA	MS-V12	1	BSC0006	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 17:57	KEA	MS-V12	1	BSC0006	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 17:57	KEA	MS-V12	1	BSC0006	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 17:57	KEA	MS-V12	1	BSC0006	ND	
Toluene	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 17:57	KEA	MS-V12	1	BSC0006	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	03/02/09	03/02/09 17:57	KEA	MS-V12	1	BSC0006	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 17:57	KEA	MS-V12	1	BSC0006	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	03/02/09	03/02/09 17:57	KEA	MS-V12	1	BSC0006	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 17:57	KEA	MS-V12	1	BSC0006	ND	
Ethanol	ND	ug/L	250		EPA-8260	03/02/09	03/02/09 17:57	KEA	MS-V12	1	BSC0006	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 17:57	KEA	MS-V12	1	BSC0006	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		Luft-GC/MS	03/02/09	03/02/09 17:57	KEA	MS-V12	1	BSC0006	ND	
1,2-Dichloroethane-d4 (Surrogate)	99.2	%	76 - 114 (LCL - UCL)		EPA-8260	03/02/09	03/02/09 17:57	KEA	MS-V12	1	BSC0006		
Toluene-d8 (Surrogate)	101	%	88 - 110 (LCL - UCL)		EPA-8260	03/02/09	03/02/09 17:57	KEA	MS-V12	1	BSC0006		
4-Bromofluorobenzene (Surrogate)	93.7	%	86 - 115 (LCL - UCL)		EPA-8260	03/02/09	03/02/09 17:57	KEA	MS-V12	1	BSC0006		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5487
Project Number: 4510943393
Project Manager: Anju Farfan

Reported: 03/16/2009 9:26

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0902732-03 | **Client Sample Name:** 5487, MW-1, 2/25/2009 8:15:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 17:32	KEA	MS-V12	1	BSC0006	ND	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 17:32	KEA	MS-V12	1	BSC0006	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 17:32	KEA	MS-V12	1	BSC0006	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 17:32	KEA	MS-V12	1	BSC0006	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 17:32	KEA	MS-V12	1	BSC0006	ND	
Toluene	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 17:32	KEA	MS-V12	1	BSC0006	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	03/02/09	03/02/09 17:32	KEA	MS-V12	1	BSC0006	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 17:32	KEA	MS-V12	1	BSC0006	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	03/02/09	03/02/09 17:32	KEA	MS-V12	1	BSC0006	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 17:32	KEA	MS-V12	1	BSC0006	ND	
Ethanol	ND	ug/L	250		EPA-8260	03/02/09	03/02/09 17:32	KEA	MS-V12	1	BSC0006	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 17:32	KEA	MS-V12	1	BSC0006	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		Luft-GC/MS	03/02/09	03/02/09 17:32	KEA	MS-V12	1	BSC0006	ND	
1,2-Dichloroethane-d4 (Surrogate)	104	%	76 - 114 (LCL - UCL)		EPA-8260	03/02/09	03/02/09 17:32	KEA	MS-V12	1	BSC0006		
Toluene-d8 (Surrogate)	100	%	88 - 110 (LCL - UCL)		EPA-8260	03/02/09	03/02/09 17:32	KEA	MS-V12	1	BSC0006		
4-Bromofluorobenzene (Surrogate)	96.0	%	86 - 115 (LCL - UCL)		EPA-8260	03/02/09	03/02/09 17:32	KEA	MS-V12	1	BSC0006		

TRC 21 Technology Drive Irvine, CA 92618	Project: 5487 Project Number: 4510943393 Project Manager: Anju Farfan	**Reported:** 03/16/2009 9:26

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 0902732-03 | **Client Sample Name:** 5487, MW-1, 2/25/2009 8:15:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
TPH - Diesel (FFP)	ND	ug/L	39		Luft/FFP	03/09/09	03/12/09 20:58	CKD	GC-2	0.196	BSC0830	ND	
TPH - Motor Oil	ND	ug/L	98		Luft/FFP	03/09/09	03/12/09 20:58	CKD	GC-2	0.196	BSC0830	ND	

TRC
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Irvine, CA 92618

Project: 5487
Project Number: 4510943393
Project Manager: Anju Farfan

Reported: 03/16/2009 9:26

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0902732-04 | **Client Sample Name:** 5487, MW-7, 2/25/2009 7:57:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 17:08	KEA	MS-V12	1	BSC0006	ND	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 17:08	KEA	MS-V12	1	BSC0006	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 17:08	KEA	MS-V12	1	BSC0006	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 17:08	KEA	MS-V12	1	BSC0006	ND	
Methyl t-butyl ether	**33**	**ug/L**	**0.50**		**EPA-8260**	**03/02/09**	**03/02/09 17:08**	**KEA**	**MS-V12**	**1**	**BSC0006**	**ND**	
Toluene	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 17:08	KEA	MS-V12	1	BSC0006	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	03/02/09	03/02/09 17:08	KEA	MS-V12	1	BSC0006	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 17:08	KEA	MS-V12	1	BSC0006	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	03/02/09	03/02/09 17:08	KEA	MS-V12	1	BSC0006	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 17:08	KEA	MS-V12	1	BSC0006	ND	
Ethanol	ND	ug/L	250		EPA-8260	03/02/09	03/02/09 17:08	KEA	MS-V12	1	BSC0006	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 17:08	KEA	MS-V12	1	BSC0006	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		Luft-GC/MS	03/02/09	03/02/09 17:08	KEA	MS-V12	1	BSC0006	ND	
1,2-Dichloroethane-d4 (Surrogate)	103	%	76 - 114 (LCL - UCL)		EPA-8260	03/02/09	03/02/09 17:08	KEA	MS-V12	1	BSC0006		
Toluene-d8 (Surrogate)	101	%	88 - 110 (LCL - UCL)		EPA-8260	03/02/09	03/02/09 17:08	KEA	MS-V12	1	BSC0006		
4-Bromofluorobenzene (Surrogate)	92.3	%	86 - 115 (LCL - UCL)		EPA-8260	03/02/09	03/02/09 17:08	KEA	MS-V12	1	BSC0006		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5487
Project Number: 4510943393
Project Manager: Anju Farfan

Reported: 03/16/2009 9:26

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0902732-05 | **Client Sample Name:** 5487, MW-2, 2/25/2009 8:30:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 16:44	KEA	MS-V12	1	BSC0006	ND	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 16:44	KEA	MS-V12	1	BSC0006	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 16:44	KEA	MS-V12	1	BSC0006	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 16:44	KEA	MS-V12	1	BSC0006	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 16:44	KEA	MS-V12	1	BSC0006	ND	
Toluene	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 16:44	KEA	MS-V12	1	BSC0006	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	03/02/09	03/02/09 16:44	KEA	MS-V12	1	BSC0006	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 16:44	KEA	MS-V12	1	BSC0006	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	03/02/09	03/02/09 16:44	KEA	MS-V12	1	BSC0006	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 16:44	KEA	MS-V12	1	BSC0006	ND	
Ethanol	ND	ug/L	250		EPA-8260	03/02/09	03/02/09 16:44	KEA	MS-V12	1	BSC0006	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 16:44	KEA	MS-V12	1	BSC0006	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		Luft-GC/MS	03/02/09	03/02/09 16:44	KEA	MS-V12	1	BSC0006	ND	
1,2-Dichloroethane-d4 (Surrogate)	103	%	76 - 114 (LCL - UCL)		EPA-8260	03/02/09	03/02/09 16:44	KEA	MS-V12	1	BSC0006		
Toluene-d8 (Surrogate)	102	%	88 - 110 (LCL - UCL)		EPA-8260	03/02/09	03/02/09 16:44	KEA	MS-V12	1	BSC0006		
4-Bromofluorobenzene (Surrogate)	95.8	%	86 - 115 (LCL - UCL)		EPA-8260	03/02/09	03/02/09 16:44	KEA	MS-V12	1	BSC0006		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 5487
Project Number: 4510943393
Project Manager: Anju Farfan

Reported: 03/16/2009 9:26

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 0902732-05 | **Client Sample Name:** 5487, MW-2, 2/25/2009 8:30:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
TPH - Diesel (FFP)	ND	ug/L	38		Luft/FFP	03/09/09	03/12/09 21:25	CKD	GC-2	0.190	BSC0830	ND	
TPH - Motor Oil	ND	ug/L	95		Luft/FFP	03/09/09	03/12/09 21:25	CKD	GC-2	0.190	BSC0830	ND	

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Project: 5487
Project Number: 4510943393
Project Manager: Anju Farfan

Reported: 03/16/2009 9:26

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0902732-06 | **Client Sample Name:** 5487, MW-6, 2/25/2009 9:10:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 16:20	KEA	MS-V12	1	BSC0006	ND	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 16:20	KEA	MS-V12	1	BSC0006	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 16:20	KEA	MS-V12	1	BSC0006	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 16:20	KEA	MS-V12	1	BSC0006	ND	
Methyl t-butyl ether	**2.2**	**ug/L**	**0.50**		**EPA-8260**	**03/02/09**	**03/02/09 16:20**	**KEA**	**MS-V12**	**1**	**BSC0006**	**ND**	
Toluene	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 16:20	KEA	MS-V12	1	BSC0006	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	03/02/09	03/02/09 16:20	KEA	MS-V12	1	BSC0006	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 16:20	KEA	MS-V12	1	BSC0006	ND	
t-Butyl alcohol	**280**	**ug/L**	**10**		**EPA-8260**	**03/02/09**	**03/02/09 16:20**	**KEA**	**MS-V12**	**1**	**BSC0006**	**ND**	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 16:20	KEA	MS-V12	1	BSC0006	ND	
Ethanol	ND	ug/L	250		EPA-8260	03/02/09	03/02/09 16:20	KEA	MS-V12	1	BSC0006	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 16:20	KEA	MS-V12	1	BSC0006	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		Luft-GC/MS	03/02/09	03/02/09 16:20	KEA	MS-V12	1	BSC0006	ND	
1,2-Dichloroethane-d4 (Surrogate)	99.7	%	76 - 114 (LCL - UCL)		EPA-8260	03/02/09	03/02/09 16:20	KEA	MS-V12	1	BSC0006		
Toluene-d8 (Surrogate)	98.8	%	88 - 110 (LCL - UCL)		EPA-8260	03/02/09	03/02/09 16:20	KEA	MS-V12	1	BSC0006		
4-Bromofluorobenzene (Surrogate)	93.0	%	86 - 115 (LCL - UCL)		EPA-8260	03/02/09	03/02/09 16:20	KEA	MS-V12	1	BSC0006		

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Project: 5487
Project Number: 4510943393
Project Manager: Anju Farfan

Reported: 03/16/2009 9:26

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0902732-07 | **Client Sample Name:** 5487, MW-5, 2/25/2009 9:30:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	**28**	**ug/L**	**0.50**		**EPA-8260**	**03/02/09**	**03/02/09 15:55**	**KEA**	**MS-V12**	**1**	**BSC0006**	**ND**	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 15:55	KEA	MS-V12	1	BSC0006	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 15:55	KEA	MS-V12	1	BSC0006	ND	
Ethylbenzene	**1.7**	**ug/L**	**0.50**		**EPA-8260**	**03/02/09**	**03/02/09 15:55**	**KEA**	**MS-V12**	**1**	**BSC0006**	**ND**	
Methyl t-butyl ether	**5.0**	**ug/L**	**0.50**		**EPA-8260**	**03/02/09**	**03/02/09 15:55**	**KEA**	**MS-V12**	**1**	**BSC0006**	**ND**	
Toluene	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 15:55	KEA	MS-V12	1	BSC0006	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	03/02/09	03/02/09 15:55	KEA	MS-V12	1	BSC0006	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 15:55	KEA	MS-V12	1	BSC0006	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	03/02/09	03/02/09 15:55	KEA	MS-V12	1	BSC0006	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 15:55	KEA	MS-V12	1	BSC0006	ND	
Ethanol	ND	ug/L	250		EPA-8260	03/02/09	03/02/09 15:55	KEA	MS-V12	1	BSC0006	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	03/02/09	03/02/09 15:55	KEA	MS-V12	1	BSC0006	ND	
Total Purgeable Petroleum Hydrocarbons	**190**	**ug/L**	**50**		**Luft-GC/MS**	**03/02/09**	**03/02/09 15:55**	**KEA**	**MS-V12**	**1**	**BSC0006**	**ND**	
1,2-Dichloroethane-d4 (Surrogate)	100	%	76 - 114 (LCL - UCL)		EPA-8260	03/02/09	03/02/09 15:55	KEA	MS-V12	1	BSC0006		
Toluene-d8 (Surrogate)	99.1	%	88 - 110 (LCL - UCL)		EPA-8260	03/02/09	03/02/09 15:55	KEA	MS-V12	1	BSC0006		
4-Bromofluorobenzene (Surrogate)	98.6	%	86 - 115 (LCL - UCL)		EPA-8260	03/02/09	03/02/09 15:55	KEA	MS-V12	1	BSC0006		

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Project: 5487
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Reported: 03/16/2009 9:26

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 RPD	Control Limits Percent Recovery	Lab Quals
Benzene	BSC0006	Matrix Spike	0901538-61	0	26.660	25.000	ug/L		107		70 - 130	
		Matrix Spike Duplicate	0901538-61	0	24.750	25.000	ug/L	7.8	99.0	20	70 - 130	
Toluene	BSC0006	Matrix Spike	0901538-61	0	25.670	25.000	ug/L		103		70 - 130	
		Matrix Spike Duplicate	0901538-61	0	24.920	25.000	ug/L	3.3	99.7	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BSC0006	Matrix Spike	0901538-61	ND	10.360	10.000	ug/L		104		76 - 114	
		Matrix Spike Duplicate	0901538-61	ND	10.090	10.000	ug/L		101		76 - 114	
Toluene-d8 (Surrogate)	BSC0006	Matrix Spike	0901538-61	ND	10.050	10.000	ug/L		100		88 - 110	
		Matrix Spike Duplicate	0901538-61	ND	10.020	10.000	ug/L		100		88 - 110	
4-Bromofluorobenzene (Surrogate)	BSC0006	Matrix Spike	0901538-61	ND	10.030	10.000	ug/L		100		86 - 115	
		Matrix Spike Duplicate	0901538-61	ND	10.150	10.000	ug/L		102		86 - 115	

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Project: 5487
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Reported: 03/16/2009 9:26

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 Percent Recovery	Control Limits RPD	Lab Quals
Benzene	BSC0006	BSC0006-BS1	LCS	27.410	25.000	0.50	ug/L	110		70 - 130		
Toluene	BSC0006	BSC0006-BS1	LCS	26.420	25.000	0.50	ug/L	106		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BSC0006	BSC0006-BS1	LCS	9.5900	10.000		ug/L	95.9		76 - 114		
Toluene-d8 (Surrogate)	BSC0006	BSC0006-BS1	LCS	10.020	10.000		ug/L	100		88 - 110		
4-Bromofluorobenzene (Surrogate)	BSC0006	BSC0006-BS1	LCS	9.9200	10.000		ug/L	99.2		86 - 115		

TRC 21 Technology Drive Irvine, CA 92618	Project: 5487 Project Number: 4510943393 Project Manager: Anju Farfan	**Reported:** 03/16/2009 9:26

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	BSC0006	BSC0006-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BSC0006	BSC0006-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BSC0006	BSC0006-BLK1	ND	ug/L	0.50		
Ethylbenzene	BSC0006	BSC0006-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BSC0006	BSC0006-BLK1	ND	ug/L	0.50		
Toluene	BSC0006	BSC0006-BLK1	ND	ug/L	0.50		
Total Xylenes	BSC0006	BSC0006-BLK1	ND	ug/L	1.0		
t-Amyl Methyl ether	BSC0006	BSC0006-BLK1	ND	ug/L	0.50		
t-Butyl alcohol	BSC0006	BSC0006-BLK1	ND	ug/L	10		
Diisopropyl ether	BSC0006	BSC0006-BLK1	ND	ug/L	0.50		
Ethanol	BSC0006	BSC0006-BLK1	ND	ug/L	250		
Ethyl t-butyl ether	BSC0006	BSC0006-BLK1	ND	ug/L	0.50		
Total Purgeable Petroleum Hydrocarbons	BSC0006	BSC0006-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BSC0006	BSC0006-BLK1	109	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BSC0006	BSC0006-BLK1	100	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BSC0006	BSC0006-BLK1	96.5	%	86 - 115 (LCL - UCL)		

TRC 21 Technology Drive Irvine, CA 92618	Project: 5487 Project Number: 4510943393 Project Manager: Anju Farfan	**Reported:** 03/16/2009 9:26

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
TPH - Diesel (FFP)	BSC0830	BSC0830-BLK1	ND	ug/L	40		
TPH - Motor Oil	BSC0830	BSC0830-BLK1	ND	ug/L	100		

TRC 21 Technology Drive Irvine, CA 92618	Project: 5487 Project Number: 4510943393 Project Manager: Anju Farfan	**Reported:** 03/16/2009 9:26

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

BC LABORATORIES INC. SAMPLE RECEIPT FORM Rev. No. 12 06/24/08 Page 1 Of 1

Submission #: 09-02732

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 ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☑ Comments:

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: VOA Thermometer ID: TH103

Temperature: A 3.4 °C / C 3.2 °C

Date/Time 2-26-09 2010

Analyst Init JDW

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										
PT PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A3	A3	A3	A3	A3	A3	A3	( )	( )	( )
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
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	BCD		BCD		BCD					
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments:

Sample Numbering Completed By: JDW Date/Time: 2/27/09 1935

A = Actual / C = Corrected

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BC LABORATORIES, INC.

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

CHAIN OF CUSTODY

09-09732

Analysis Requested

Bill to: Conoco Phillips/ TRC	**Consultant Firm: TRC**
Address: 28250 Hesperian Blvd.	21 Technology Drive Irvine, CA 92618-2302 Attn: Anju Farfan
City: Hayward	**4-digit site#:** 5487
	Workorder # 01423-45109 43393
State: CA **Zip:**	**Project #:** 165521
Conoco Phillips Mgr: Terry Grayson	**Sampler Name:** JOE L/RICH

MATRIX: (GW) Groundwater; (S) Soil; (WW) Wastewater; (SL) Sludge

Lab#	Sample Description	Field Point Name	Date & Time Sampled	MATRIX	BTEX/MTBE by 8021B, Gas by 8015	TPH GAS by 8015M	TPH DIESEL by 8015w/silica gel cleanup	8260 full list w/ oxygenates	BTEX/MTBE/OXYS BY 8260B	ETHANOL by 8260B	TPH –G by GC/MS, EDB/EDC by 8260B	TPH-MO by 8015M w/silica gel clean up			Turnaround Time Requested
	-1	MW-3	02-25-09 0727	GW			X		X	X	X	X			STD
	-2	MW-4	0855												
	-3	MW-1	0815				X					X			
	-4	MW-7	0757												
	-5	MW-2	0830				X					X			
	-6	MW-6	0910												
		MW-5	0930												

CHK BY DISTRIBUTION SUB-OUT

Comments:

GLOBAL ID: T0600101462

Relinquished by: (Signature) Joe D. Lewis	Received by: refridgerator	Date & Time 02-25-09 1530
Relinquished by: (Signature)	Received by: Ross Dickey	Date & Time 2/26/09 1605
Relinquished by: (Signature) Ross Dickey 2/26/09	Received by: R L Reynolds	Date & Time 2-26-09 1825

R Reynolds 2-26-09 2150 2-26-09 2150

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 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 suspected of containing potentially hazardous material, such as liquid-phase hydrocarbons, was accumulated separately in a drum 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.