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Alameda County
Environmental Health

DATE: October 12, 2007

TO: ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

ATTN: MR. BILL BORGH

SITE: 76 STATION 6419
6401 DUBLIN BOULEVARD
DUBLIN, CALIFORNIA

RE: SEMI-ANNUAL MONITORING REPORT
APRIL THROUGH SEPTEMBER 2007

Dear Mr. Borgh:

Please find enclosed our Semi-Annual Monitoring Report for 76 Station 6419, located at 6401 Dublin Boulevard, Dublin, 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. Keith Woodburne, TRC (2 copies)

Enclosures
20-0400/6419R09.QMS

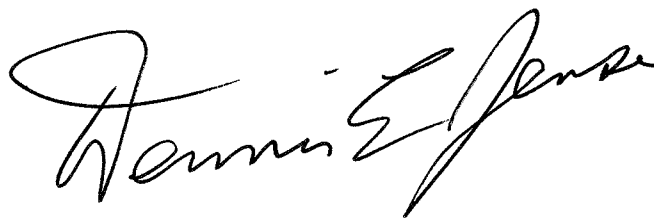
**SEMI-ANNUAL MONITORING REPORT
APRIL THROUGH SEPTEMBER 2007**

76 STATION 6419
6401 Dublin Boulevard
Dublin, California

Prepared For:

Mr. Bill Borgh
ConocoPhillips Company
76 Broadway
Sacramento, California 95818

By:



Senior Project Geologist, Irvine Operations

Date: 10/12/09



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 - 9/21/07 Groundwater Sampling Field Notes - 9/21/07
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Statements	Purge Water Disposal Limitations

Summary of Gauging and Sampling Activities
April through September 2007
76 Station 6419
6401 Dublin Boulevard
Dublin, CA

Project Coordinator: **Bill Borgh**
Telephone: **916-558-7612**

Water Sampling Contractor: **TRC**
Compiled by: **Daniel Lee**

Date(s) of Gauging/Sampling Event: **9/21/07**

Sample Points

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

Liquid Phase Hydrocarbons (LPH)

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

Hydrogeologic Parameters

Depth to groundwater (below TOC): Minimum: **9.38 feet** Maximum: **9.93 feet**
Average groundwater elevation (relative to available local datum): **320.66 feet**
Average change in groundwater elevation since previous event: **-0.98 feet**
Interpreted groundwater gradient and flow direction:
 Current event: **0.02 ft/ft, south**
 Previous event: **0.01 ft/ft, west (3/29/07)**

Selected Laboratory Results

Wells with detected **Benzene**: **0** Wells above MCL (1.0 µg/l): **n/a**
 Maximum reported benzene concentration: **n/a**

Wells with **TPH-G by GC/MS** **2** Maximum: **300 µg/l (MW-5)**
Wells with **MTBE 8260B** **3** Maximum: **490 µg/l (MW-5)**

Notes:

TABLES

TABLE KEY

STANDARD ABBREVIATIONS

--	=	not analyzed, measured, or collected
LPH	=	liquid-phase hydrocarbons
Trace	=	less than 0.01 foot of LPH in well
µg/l	=	micrograms per liter (approx. equivalent to parts per billion, ppb)
mg/l	=	milligrams per liter (approx. equivalent to parts per million, ppm)
ND <	=	not detected at or above laboratory detection limit
TOC	=	top of casing (surveyed reference elevation)

ANALYTES

BTEX	=	benzene, toluene, ethylbenzene, and (total) xylenes
DIPE	=	di-isopropyl ether
ETBE	=	ethyl tertiary butyl ether
MTBE	=	methyl tertiary butyl ether
PCB	=	polychlorinated biphenyls
PCE	=	tetrachloroethene
TBA	=	tertiary butyl alcohol
TCA	=	trichloroethane
TCE	=	trichloroethene
TPH-G	=	total petroleum hydrocarbons with gasoline distinction
TPH-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-)
DNA	=	data not available

NOTES

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

REFERENCE

TRC began groundwater monitoring and sampling for 76 Station 6419 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 6419

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)	Comments
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Table 1a	Well/ Date	Ethanol (8260B)
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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)	Comments
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Table 2a	Well/ Date	TPH-D	TBA	Ethanol (8260B)	Ethylene- dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	Cadmium (dissolved)	Chromium (total)	Lead (total)	Nickel	Zinc (total)	Post-purge Dissolved Oxygen	Pre-purge Dissolved Oxygen
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Table 1
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
September 21, 2007
76 Station 6419

Date Sampled	TOC Elevation	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)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-1		(Screen Interval in feet: 4.0-19.0)												
9/21/2007	330.17	9.93	0.00	320.24	-1.55	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.5	
MW-3		(Screen Interval in feet: 4.0-20.0)												
9/21/2007	330.59	9.38	0.00	321.21	-0.56	--	140	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	160	
MW-5		(Screen Interval in feet: 4.0-19.0)												
9/21/2007	330.18	9.66	0.00	320.52	-0.84	--	300	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	490	

Table 1 a
ADDITIONAL CURRENT ANALYTICAL RESULTS
76 Station 6419

Date Sampled	Ethanol (8260B)
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($\mu\text{g/l}$)

MW-1

9/21/2007 ND<250

MW-3

9/21/2007 ND<250

MW-5

9/21/2007 ND<250

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
March 1994 Through September 2007
76 Station 6419

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: 4.0-19.0)														
3/14/1994	330.45	7.27	0.00	323.18	--	1800	--	17	ND	ND	ND	--	--	
8/25/1994	330.45	8.57	0.00	321.88	-1.30	9200	--	48	ND	540	ND	--	--	
9/30/1994	330.45	8.78	0.00	321.67	-0.21	--	--	--	--	--	--	--	--	
10/20/1994	330.45	8.98	0.00	321.47	-0.20	--	--	--	--	--	--	--	--	
11/18/1994	330.45	7.69	0.00	322.76	1.29	5100	--	33	ND	560	38	--	--	
12/20/1994	330.45	7.58	0.00	322.87	0.11	--	--	--	--	--	--	--	--	
1/17/1995	330.45	6.03	0.00	324.42	1.55	--	--	--	--	--	--	--	--	
2/15/1995	330.45	6.29	0.00	324.16	-0.26	3300	--	13	ND	180	5.2	--	--	
3/13/1995	330.45	5.64	0.00	324.81	0.65	--	--	--	--	--	--	--	--	
4/6/1995	330.45	5.62	0.00	324.83	0.02	--	--	--	--	--	--	--	--	
5/17/1995	330.45	6.26	0.00	324.19	-0.64	130	--	0.75	ND	1.5	ND	--	--	
6/15/1995	330.45	6.75	0.00	323.70	-0.49	--	--	--	--	--	--	--	--	
8/25/1995	330.45	7.91	0.00	322.54	-1.16	490	--	9.1	ND	21	2	--	--	
11/28/1995	330.45	9.03	0.00	321.42	-1.12	1400	--	18	3	98	3.6	--	--	
2/26/1996	330.45	5.77	0.00	324.68	3.26	560	--	9.3	ND	22	ND	1300	--	
8/23/1996	330.45	7.78	0.00	322.67	-2.01	ND	--	ND	ND	ND	ND	640	--	
2/17/1997	330.23	5.73	0.00	324.50	1.83	120	--	1	0.95	ND	ND	280	--	
8/18/1997	330.23	7.38	0.00	322.85	-1.65	ND	--	ND	ND	ND	ND	100	--	
2/2/1998	330.23	5.10	0.00	325.13	2.28	ND	--	130	ND	ND	ND	32000	--	
8/24/1998	330.23	6.73	0.00	323.50	-1.63	ND	--	ND	ND	ND	ND	26000	24000	
2/10/1999	330.23	5.46	0.00	324.77	1.27	ND	--	ND	ND	ND	ND	84000	100000	
4/12/1999	330.23	6.38	0.00	323.85	-0.92	ND	--	ND	ND	ND	ND	140000	120000	
5/21/1999	330.21	5.95	0.00	324.26	0.41	--	--	--	--	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
March 1994 Through September 2007
76 Station 6419

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														
8/2/1999	330.21	6.75	0.00	323.46	-0.80	ND	--	ND	ND	ND	ND	91000	140000	
2/11/2000	330.21	6.44	0.00	323.77	0.31	ND	--	ND	ND	ND	ND	38000	39000	
7/26/2000	330.18	7.08	0.00	323.10	-0.67	146	--	ND	ND	ND	ND	30900	42800	
2/2/2001	330.18	6.99	0.00	323.19	0.09	ND	--	ND	ND	ND	ND	5380	6430	
5/16/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	
8/24/2001	330.18	7.72	0.00	322.46	--	ND<50	--	8.3	ND<0.50	ND<0.50	ND<0.50	10000	6600	
10/11/2001	330.17	7.72	0.00	322.45	-0.01	--	--	--	--	--	--	--	--	
2/6/2002	330.17	6.43	0.00	323.74	1.29	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	450	420	
7/30/2002	330.17	7.45	0.00	322.72	-1.02	--	ND<1000	ND<10	ND<10	ND<10	ND<20	--	2400	
2/17/2003	330.17	6.18	0.00	323.99	1.27	--	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	600	
8/18/2003	330.17	6.25	0.00	323.92	-0.07	--	3900	ND<20	ND<20	ND<20	ND<40	--	2700	
2/24/2004	330.17	5.59	0.00	324.58	0.66	--	ND<1000	ND<10	ND<10	ND<10	ND<20	--	1400	
9/17/2004	330.17	7.08	0.00	323.09	-1.49	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	14	
3/22/2005	330.17	5.29	0.00	324.88	1.79	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	100	
9/29/2005	330.17	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
1/9/2006	330.17	7.05	0.00	323.12	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.8	
9/27/2006	330.17	8.05	0.00	322.12	-1.00	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.4	
3/29/2007	330.17	8.38	0.00	321.79	-0.33	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
9/21/2007	330.17	9.93	0.00	320.24	-1.55	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.5	
MW-2 (Screen Interval in feet: 4.0-20.0)														
3/14/1994	330.40	7.23	0.00	323.17	--	ND	--	ND	2.8	1.1	8	--	--	
8/25/1994	330.40	8.41	0.00	321.99	-1.18	ND	--	ND	ND	ND	ND	--	--	
9/30/1994	330.40	8.73	0.00	321.67	-0.32	--	--	--	--	--	--	--	--	
10/20/1994	330.40	8.92	0.00	321.48	-0.19	--	--	--	--	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
March 1994 Through September 2007
76 Station 6419

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														
11/18/1994	330.40	7.67	0.00	322.73	1.25	ND	--	ND	ND	ND	ND	--	--	
12/20/1994	330.40	7.48	0.00	322.92	0.19	--	--	--	--	--	--	--	--	
1/17/1995	330.40	6.00	0.00	324.40	1.48	--	--	--	--	--	--	--	--	
2/15/1995	330.40	6.16	0.00	324.24	-0.16	ND	--	ND	ND	ND	ND	--	--	
3/13/1995	330.40	5.59	0.00	324.81	0.57	--	--	--	--	--	--	--	--	
4/6/1995	330.40	5.51	0.00	324.89	0.08	--	--	--	--	--	--	--	--	
5/17/1995	330.40	6.15	0.00	324.25	-0.64	ND	--	ND	ND	ND	ND	--	--	
6/15/1995	330.40	6.61	0.00	323.79	-0.46	--	--	--	--	--	--	--	--	
8/25/1995	330.40	7.45	0.00	322.95	-0.84	ND	--	ND	ND	ND	ND	--	--	
11/28/1995	330.40	8.85	0.00	321.55	-1.40	ND	--	ND	ND	ND	ND	--	--	
2/26/1996	330.40	5.49	0.00	324.91	3.36	ND	--	ND	ND	ND	ND	--	--	
8/23/1996	330.40	7.44	0.00	322.96	-1.95	--	--	--	--	--	--	--	--	SAMPLED ANNUALLY
2/17/1997	330.27	5.64	0.00	324.63	1.67	ND	--	ND	ND	ND	ND	ND	--	
8/18/1997	330.27	7.40	0.00	322.87	-1.76	--	--	--	--	--	--	--	--	
2/2/1998	330.27	5.09	0.00	325.18	2.31	ND	--	ND	ND	ND	ND	62	--	
8/24/1998	330.27	6.70	0.00	323.57	-1.61	--	--	--	--	--	--	--	--	
2/10/1999	330.27	5.56	0.00	324.71	1.14	ND	--	ND	ND	ND	ND	130	--	
5/21/1999	330.30	5.98	0.00	324.32	-0.39	--	--	--	--	--	--	--	--	
8/2/1999	330.30	6.72	0.00	323.58	-0.74	ND	--	ND	ND	ND	ND	120	--	
2/11/2000	330.30	6.43	0.00	323.87	0.29	ND	--	ND	ND	ND	ND	39	--	
7/26/2000	330.24	7.03	0.00	323.21	-0.66	ND	--	ND	ND	ND	ND	89.9	--	
2/2/2001	330.24	6.81	0.00	323.43	0.22	ND	--	ND	ND	ND	ND	20.1	--	
5/16/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	
8/24/2001	330.24	7.57	0.00	322.67	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	36	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
March 1994 Through September 2007
76 Station 6419

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														
10/11/2001	330.24	7.62	0.00	322.62	-0.05	--	--	--	--	--	--	--	--	
2/6/2002	330.24	6.40	0.00	323.84	1.22	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	23	21	
7/30/2002	330.24	7.12	0.00	323.12	-0.72	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	11	
2/17/2003	330.24	6.17	0.00	324.07	0.95	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	25	
8/18/2003	330.24	6.36	0.00	323.88	-0.19	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2	
2/24/2004	330.24	5.87	0.00	324.37	0.49	--	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<2.0	--	100	
9/17/2004	330.24	7.22	0.00	323.02	-1.35	--	120	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	70	
3/22/2005	330.24	5.55	0.00	324.69	1.67	--	110	ND<0.50	1.3	0.68	2.4	--	29	
9/29/2005	330.24	8.26	0.00	321.98	-2.71	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	23	
1/9/2006	330.24	7.41	0.00	322.83	0.85	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	25	
9/27/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	Destroyed on 1/12/06
MW-3 (Screen Interval in feet: 4.0-20.0)														
3/14/1994	331.11	7.93	0.00	323.18	--	150	--	ND	ND	ND	ND	--	--	
8/25/1994	331.11	9.20	0.00	321.91	-1.27	130	--	ND	ND	ND	ND	--	--	
9/30/1994	331.11	9.43	0.00	321.68	-0.23	--	--	--	--	--	--	--	--	
10/20/1994	331.11	9.64	0.00	321.47	-0.21	--	--	--	--	--	--	--	--	
11/18/1994	331.11	8.39	0.00	322.72	1.25	130	--	ND	ND	ND	ND	--	--	
12/20/1994	331.11	8.20	0.00	322.91	0.19	--	--	--	--	--	--	--	--	
1/17/1995	331.11	6.72	0.00	324.39	1.48	--	--	--	--	--	--	--	--	
2/15/1995	331.11	6.93	0.00	324.18	-0.21	130	--	ND	ND	ND	ND	--	--	
3/13/1995	331.11	6.30	0.00	324.81	0.63	--	--	--	--	--	--	--	--	
4/6/1995	331.11	8.20	0.00	322.91	-1.90	--	--	--	--	--	--	--	--	
5/17/1995	331.11	6.88	0.00	324.23	1.32	99	--	ND	ND	ND	ND	--	--	
6/15/1995	331.11	7.35	0.00	323.76	-0.47	--	--	--	--	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
March 1994 Through September 2007
76 Station 6419

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														
8/25/1995	331.11	8.20	0.00	322.91	-0.85	ND	--	ND	ND	ND	ND	--	--	
11/28/1995	331.11	9.52	0.00	321.59	-1.32	ND	--	ND	ND	ND	ND	--	--	
2/26/1996	331.11	6.25	0.00	324.86	3.27	ND	--	ND	ND	ND	ND	--	--	
8/23/1996	331.11	7.98	0.00	323.13	-1.73	--	--	--	--	--	--	--	--	SAMPLED ANNUALLY
2/17/1997	330.68	6.07	0.00	324.61	1.48	ND	--	ND	ND	ND	ND	68	--	
8/18/1997	330.68	7.82	0.00	322.86	-1.75	--	--	--	--	--	--	--	--	
2/2/1998	330.68	5.50	0.00	325.18	2.32	ND	--	ND	ND	ND	ND	100	--	
8/24/1998	330.68	7.12	0.00	323.56	-1.62	--	--	--	--	--	--	--	--	
2/10/1999	330.68	5.80	0.00	324.88	1.32	ND	--	ND	ND	ND	ND	92	--	
5/21/1999	330.49	6.16	0.00	324.33	-0.55	--	--	--	--	--	--	--	--	
8/2/1999	330.49	6.95	0.00	323.54	-0.79	ND	--	ND	ND	ND	ND	140	--	
2/11/2000	330.49	6.71	0.00	323.78	0.24	ND	--	ND	ND	ND	ND	46	--	
7/26/2000	330.60	7.35	0.00	323.25	-0.53	ND	--	ND	ND	ND	ND	927	--	
2/2/2001	330.60	7.17	0.00	323.43	0.18	ND	--	ND	ND	ND	ND	2240	--	
5/16/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	
8/24/2001	330.60	7.88	0.00	322.72	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2500	--	
10/11/2001	330.59	7.83	0.00	322.76	0.04	--	--	--	--	--	--	--	--	
2/6/2002	330.59	6.73	0.00	323.86	1.10	ND<1000	--	ND<10	ND<10	ND<10	ND<10	4300	3300	
7/30/2002	330.59	7.38	0.00	323.21	-0.65	--	ND<2500	ND<25	ND<25	ND<25	ND<50	--	4900	
2/17/2003	330.59	6.49	0.00	324.10	0.89	--	ND<2500	ND<25	ND<25	ND<25	ND<50	--	4400	
8/18/2003	330.59	6.70	0.00	323.89	-0.21	--	4400	ND<20	ND<20	ND<20	ND<40	--	3300	
2/24/2004	330.59	6.11	0.00	324.48	0.59	--	ND<2500	ND<25	ND<25	ND<25	ND<50	--	3000	
9/17/2004	330.59	7.61	0.00	322.98	-1.50	--	ND<1300	ND<13	ND<13	ND<13	ND<25	--	2300	
3/22/2005	330.59	5.79	0.00	324.80	1.82	--	ND<1300	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1600	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
March 1994 Through September 2007
76 Station 6419

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														
9/29/2005	330.59	9.24	0.00	321.35	-3.45	--	680	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1600	
1/9/2006	330.59	7.74	0.00	322.85	1.50	--	410	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1200	
9/27/2006	330.59	8.54	0.00	322.05	-0.80	--	780	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	1500	
3/29/2007	330.59	8.82	0.00	321.77	-0.28	--	230	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	230	
9/21/2007	330.59	9.38	0.00	321.21	-0.56	--	140	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	160	
MW-4 (Screen Interval in feet: 4.0-19.0)														
5/21/1999	330.36	6.43	0.00	323.93	--	ND	--	ND	ND	ND	ND	960	910	
8/2/1999	330.36	7.34	0.00	323.02	-0.91	ND	--	10	ND	13	11	ND	--	
2/11/2000	330.36	6.92	0.00	323.44	0.42	ND	--	ND	ND	ND	ND	2700	--	
7/26/2000	330.35	7.68	0.00	322.67	-0.77	ND	--	ND	ND	ND	ND	3710	--	
2/2/2001	330.35	7.40	0.00	322.95	0.28	ND	--	ND	ND	ND	ND	5340	--	
8/24/2001	330.35	8.14	0.00	322.21	-0.74	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	7800	--	
10/11/2001	330.35	8.29	0.00	322.06	-0.15	--	--	--	--	--	--	--	--	
2/6/2002	330.35	7.28	0.00	323.07	1.01	ND<100	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	2300	3100	
7/30/2002	330.35	7.76	0.00	322.59	-0.48	--	ND<500	ND<5.0	ND<5.0	5.8	ND<10	--	1600	
2/17/2003	330.35	6.85	0.00	323.50	0.91	--	ND<1000	ND<10	ND<10	ND<10	ND<20	--	2200	
8/18/2003	330.35	7.30	0.00	323.05	-0.45	--	2000	ND<10	ND<10	ND<10	ND<20	--	1400	
2/24/2004	330.35	6.55	0.00	323.80	0.75	--	ND<2000	ND<20	ND<20	ND<20	ND<40	--	2000	
9/17/2004	330.35	8.00	0.00	322.35	-1.45	--	340	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	610	
3/22/2005	330.35	6.37	0.00	323.98	1.63	--	ND<200	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	290	
9/29/2005	330.35	9.43	0.00	320.92	-3.06	--	84	ND<0.50	ND<0.50	0.53	ND<1.0	--	57	
1/9/2006	330.35	7.97	0.00	322.38	1.46	--	100	ND<0.50	ND<0.50	1.5	ND<1.0	--	150	
9/27/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	Destroyed on 1/12/06

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
March 1994 Through September 2007
76 Station 6419

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 (Screen Interval in feet: 4.0-19.0)														
5/21/1999	330.20	5.99	0.00	324.21	--	ND	--	ND	ND	ND	ND	32	33	
8/2/1999	330.20	6.83	0.00	323.37	-0.84	ND	--	ND	ND	ND	ND	230	--	
2/11/2000	330.20	6.34	0.00	323.86	0.49	ND	--	ND	ND	ND	ND	98	--	
7/26/2000	330.20	7.06	0.00	323.14	-0.72	ND	--	ND	ND	ND	ND	25.9	--	
2/2/2001	330.20	6.81	0.00	323.39	0.25	ND	--	ND	ND	ND	ND	18	--	
8/24/2001	330.20	7.60	0.00	322.60	-0.79	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	18	--	
10/11/2001	330.18	7.34	0.00	322.84	0.24	--	--	--	--	--	--	--	--	
2/6/2002	330.18	6.55	0.00	323.63	0.79	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	7.7	7.9	
7/30/2002	330.18	7.15	0.00	323.03	-0.60	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	4.6	
2/17/2003	330.18	6.27	0.00	323.91	0.88	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.8	
8/18/2003	330.18	6.57	0.00	323.61	-0.30	--	75	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.8	
2/24/2004	330.18	5.88	0.00	324.30	0.69	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.3	
9/17/2004	330.18	7.41	0.00	322.77	-1.53	--	ND<50	ND<0.50	ND<0.50	ND<0.50	1.4	--	6.0	
3/22/2005	330.18	5.58	0.00	324.60	1.83	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	5.8	
9/29/2005	330.18	9.42	0.00	320.76	-3.84	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	7.8	
1/9/2006	330.18	7.93	0.00	322.25	1.49	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	14	
9/27/2006	330.18	8.60	0.00	321.58	-0.67	--	300	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	860	
3/29/2007	330.18	8.82	0.00	321.36	-0.22	--	520	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	690	
9/21/2007	330.18	9.66	0.00	320.52	-0.84	--	300	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	490	
MW-6 (Screen Interval in feet: 4.0-19.0)														
5/21/1999	330.49	6.24	0.00	324.25	--	ND	--	ND	ND	ND	ND	2200	2300	
8/2/1999	330.49	7.10	0.00	323.39	-0.86	ND	--	ND	ND	ND	ND	ND	--	
2/11/2000	330.49	6.60	0.00	323.89	0.50	ND	--	ND	ND	ND	ND	2500	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
March 1994 Through September 2007
76 Station 6419

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)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-6 continued														
7/26/2000	330.49	7.31	0.00	323.18	-0.71	ND	--	ND	ND	ND	ND	4280	--	
2/2/2001	330.49	7.02	0.00	323.47	0.29	ND	--	ND	ND	ND	ND	1990	--	
8/24/2001	330.49	7.84	0.00	322.65	-0.82	ND<200	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	1100	--	
10/11/2001	330.47	8.03	0.00	322.44	-0.21	--	--	--	--	--	--	--	--	
2/6/2002	330.47	6.78	0.00	323.69	1.25	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	610	680	
7/30/2002	330.47	7.40	0.00	323.07	-0.62	--	180	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	160	
2/17/2003	330.47	6.49	0.00	323.98	0.91	--	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	400	
8/18/2003	330.47	6.81	0.00	323.66	-0.32	--	320	ND<1.0	ND<1.0	ND<1.0	ND<2.0	--	280	
2/24/2004	330.47	6.11	0.00	324.36	0.70	--	130	ND<1.0	ND<1.0	ND<1.0	ND<2.0	--	200	
9/17/2004	330.47	7.64	0.00	322.83	-1.53	--	110	ND<1.0	ND<1.0	ND<1.0	ND<2.0	--	200	
3/22/2005	330.47	5.81	0.00	324.66	1.83	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	83	
9/29/2005	330.47	9.19	0.00	321.28	-3.38	--	110	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	140	
1/9/2006	330.47	7.65	0.00	322.82	1.54	--	100	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	160	
9/27/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	Destroyed on 1/12/06
MW-7 (Screen Interval in feet: 4.0-19.0)														
5/21/1999	330.43	6.13	0.00	324.30	--	ND	--	ND	ND	ND	ND	22	22	
8/2/1999	330.43	6.92	0.00	323.51	-0.79	ND	--	ND	ND	ND	ND	31	--	
2/11/2000	330.43	6.50	0.00	323.93	0.42	ND	--	ND	ND	ND	ND	20	--	
7/26/2000	330.43	7.18	0.00	323.25	-0.68	ND	--	ND	ND	ND	ND	17.9	--	
2/2/2001	330.43	6.95	0.00	323.48	0.23	ND	--	ND	ND	ND	ND	ND	--	
8/24/2001	330.43	7.72	0.00	322.71	-0.77	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	4.4	--	
10/11/2001	330.41	7.87	0.00	322.54	-0.17	--	--	--	--	--	--	--	--	
2/6/2002	330.41	6.62	0.00	323.79	1.25	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3.9	3.2	
7/30/2002	330.41	--	0.00	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	4.3	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
March 1994 Through September 2007
76 Station 6419

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														
2/17/2003	330.41	--	0.00	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	4.7	
8/18/2003	330.41	6.64	0.00	323.77	--	--	76	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	6.3	
2/24/2004	330.41	6.01	0.00	324.40	0.63	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	6.2	
9/17/2004	330.41	7.45	0.00	322.96	-1.44	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	8.7	
3/22/2005	330.41	5.73	0.00	324.68	1.72	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	9.4	
9/29/2005	330.41	8.94	0.00	321.47	-3.21	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	11	
1/9/2006	330.41	7.43	0.00	322.98	1.51	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	7.6	
9/27/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	Destroyed on 1/12/06
MW-8 (Screen Interval in feet: DNA)														
10/11/2001	329.97	7.57	0.00	322.40	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
2/6/2002	329.97	6.35	0.00	323.62	1.22	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<1.0	
7/30/2002	329.97	6.95	0.00	323.02	-0.60	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
2/17/2003	329.97	6.11	0.00	323.86	0.84	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
8/18/2003	329.97	6.33	0.00	323.64	-0.22	--	53	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2	
2/24/2004	329.97	13.37	0.00	316.60	-7.04	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
9/17/2004	329.97	7.23	0.00	322.74	6.14	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	4.0	
3/22/2005	329.97	--	--	--	--	--	--	--	--	--	--	--	--	Abandoned
MW-9 (Screen Interval in feet: DNA)														
10/11/2001	329.51	7.12	0.00	322.39	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	22	15	
2/6/2002	329.51	5.94	0.00	323.57	1.18	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	19	14	
7/30/2002	329.51	6.53	0.00	322.98	-0.59	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	9	
2/17/2003	329.51	5.63	0.00	323.88	0.90	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	4.9	
8/18/2003	329.51	5.99	0.00	323.52	-0.36	--	57	ND<0.50	ND<0.50	ND<0.50	ND<1	--	6.2	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
March 1994 Through September 2007
76 Station 6419

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-9 continued														
2/24/2004	329.51	5.27	0.00	324.24	0.72	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	5.6	
9/17/2004	329.51	6.80	0.00	322.71	-1.53	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	4.8	
3/22/2005	329.51	--	--	--	--	--	--	--	--	--	--	--	--	Abandoned

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 6419

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)	Cadmium (dissolved) (mg/l)	Chromium (total) (mg/l)	Lead (total) (mg/l)	Nickel (mg/l)	Zinc (total) (mg/l)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)
MW-1															
3/14/1994	810	--	--	--	--	--	--	--	ND	0.000012	ND	0.00003	0.039	--	--
8/25/1994	910	--	--	--	--	--	--	--	ND	ND	0.024	ND	--	--	--
11/18/1994	910	--	--	--	--	--	--	--	ND	0.067	ND	0.067	--	--	--
2/15/1995	660	--	--	--	--	--	--	--	ND	ND	ND	ND	--	4.3	--
5/17/1995	200	--	--	--	--	--	--	--	ND	ND	ND	0.021	--	1.2	--
8/25/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	2.71	--
11/28/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	3.25	--
2/26/1996	--	--	--	--	--	--	--	--	--	--	--	--	--	1.41	5.23
8/23/1996	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.83
2/17/1997	--	--	--	--	--	--	--	--	--	--	--	--	--	0.78	0.82
8/18/1997	--	--	--	--	--	--	--	--	--	--	--	--	--	2.35	1.28
7/26/2000	--	ND	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
5/16/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.54
8/24/2001	--	ND<1000	ND<25000	ND<100	ND<100	ND<100	ND<100	ND<100	--	--	--	--	--	3.1	--
2/6/2002	--	ND<100	ND<2500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	--	--	--	--	--	--
7/30/2002	--	ND<2000	ND<10000	ND<40	ND<40	ND<40	ND<40	ND<40	--	--	--	--	--	--	--
2/17/2003	--	ND<500	ND<2500	ND<10	ND<10	ND<10	ND<10	ND<10	--	--	--	--	--	--	--
8/18/2003	--	ND<4000	ND<20000	ND<80	ND<80	ND<80	ND<80	ND<80	--	--	--	--	--	--	--
2/24/2004	--	ND<2000	ND<10000	ND<40	ND<40	ND<40	ND<40	ND<40	--	--	--	--	--	--	--
9/17/2004	--	470	ND<50	ND<0.5	ND<0.5	ND<1.0	ND<0.5	ND<0.5	--	--	--	--	--	--	--
3/22/2005	--	ND<5.0	ND<50	ND<0.50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--	--	--	--	--
1/9/2006	--	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--
9/27/2006	--	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--
3/29/2007	--	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--
9/21/2007	--	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--

MW-2

6419

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 6419

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)	Cadmium (dissolved) (mg/l)	Chromium (total) (mg/l)	Lead (total) (mg/l)	Nickel (mg/l)	Zinc (total) (mg/l)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)
MW-2 continued															
2/15/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	1.9	--
2/26/1996	--	--	--	--	--	--	--	--	--	--	--	--	--	0.43	0.62
8/23/1996	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.04
2/17/1997	--	--	--	--	--	--	--	--	--	--	--	--	--	0.82	0.9
8/18/1997	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.16
5/16/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.47
8/24/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	2.6	--
2/6/2002	--	ND<20	ND<500	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	--	--	--	--
8/18/2003	--	--	ND<500	--	--	--	--	--	--	--	--	--	--	--	--
2/24/2004	--	--	ND<1000	--	--	--	--	--	--	--	--	--	--	--	--
9/17/2004	--	--	ND<50	--	--	--	--	--	--	--	--	--	--	--	--
3/22/2005	--	--	ND<50	--	--	--	--	--	--	--	--	--	--	--	--
9/29/2005	--	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--
1/9/2006	--	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--
MW-3															
2/15/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	2.6	--
3/13/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	1.13	--
8/25/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	1.86	--
11/28/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	6.81	--
2/26/1996	--	--	--	--	--	--	--	--	--	--	--	--	--	1.11	16.83
8/23/1996	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.29
2/17/1997	--	--	--	--	--	--	--	--	--	--	--	--	--	0.8	0.8
8/18/1997	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.43
5/16/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	2.6	1.65
8/24/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	2.60	--
2/6/2002	--	ND<670	ND<17000	ND<33	ND<33	ND<33	ND<33	ND<33	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 6419

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)	Cadmium (dissolved) (mg/l)	Chromium (total) (mg/l)	Lead (total) (mg/l)	Nickel (mg/l)	Zinc (total) (mg/l)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)
MW-3 continued															
8/18/2003	--	--	ND<20000	--	--	--	--	--	--	--	--	--	--	--	--
2/24/2004	--	--	ND<25000	--	--	--	--	--	--	--	--	--	--	--	--
9/17/2004	--	--	ND<1300	--	--	--	--	--	--	--	--	--	--	--	--
3/22/2005	--	--	ND<1300	--	--	--	--	--	--	--	--	--	--	--	--
9/29/2005	--	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--
1/9/2006	--	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--
9/27/2006	--	--	ND<2500	--	--	--	--	--	--	--	--	--	--	--	--
3/29/2007	--	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--
9/21/2007	--	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--
MW-4															
8/24/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	2.3	--
2/6/2002	--	ND<500	ND<12000	ND<25	ND<25	ND<25	ND<25	ND<25	--	--	--	--	--	--	--
8/18/2003	--	--	ND<10000	--	--	--	--	--	--	--	--	--	--	--	--
2/24/2004	--	--	ND<20000	--	--	--	--	--	--	--	--	--	--	--	--
9/17/2004	--	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--
3/22/2005	--	--	ND<200	--	--	--	--	--	--	--	--	--	--	--	--
9/29/2005	--	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--
1/9/2006	--	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--
MW-5															
8/24/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	2.1	--
2/6/2002	--	ND<20	ND<500	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	--	--	--	--
8/18/2003	--	--	ND<500	--	--	--	--	--	--	--	--	--	--	--	--
2/24/2004	--	--	ND<500	--	--	--	--	--	--	--	--	--	--	--	--
9/17/2004	--	--	ND<50	--	--	--	--	--	--	--	--	--	--	--	--
3/22/2005	--	--	ND<50	--	--	--	--	--	--	--	--	--	--	--	--
9/29/2005	--	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 6419

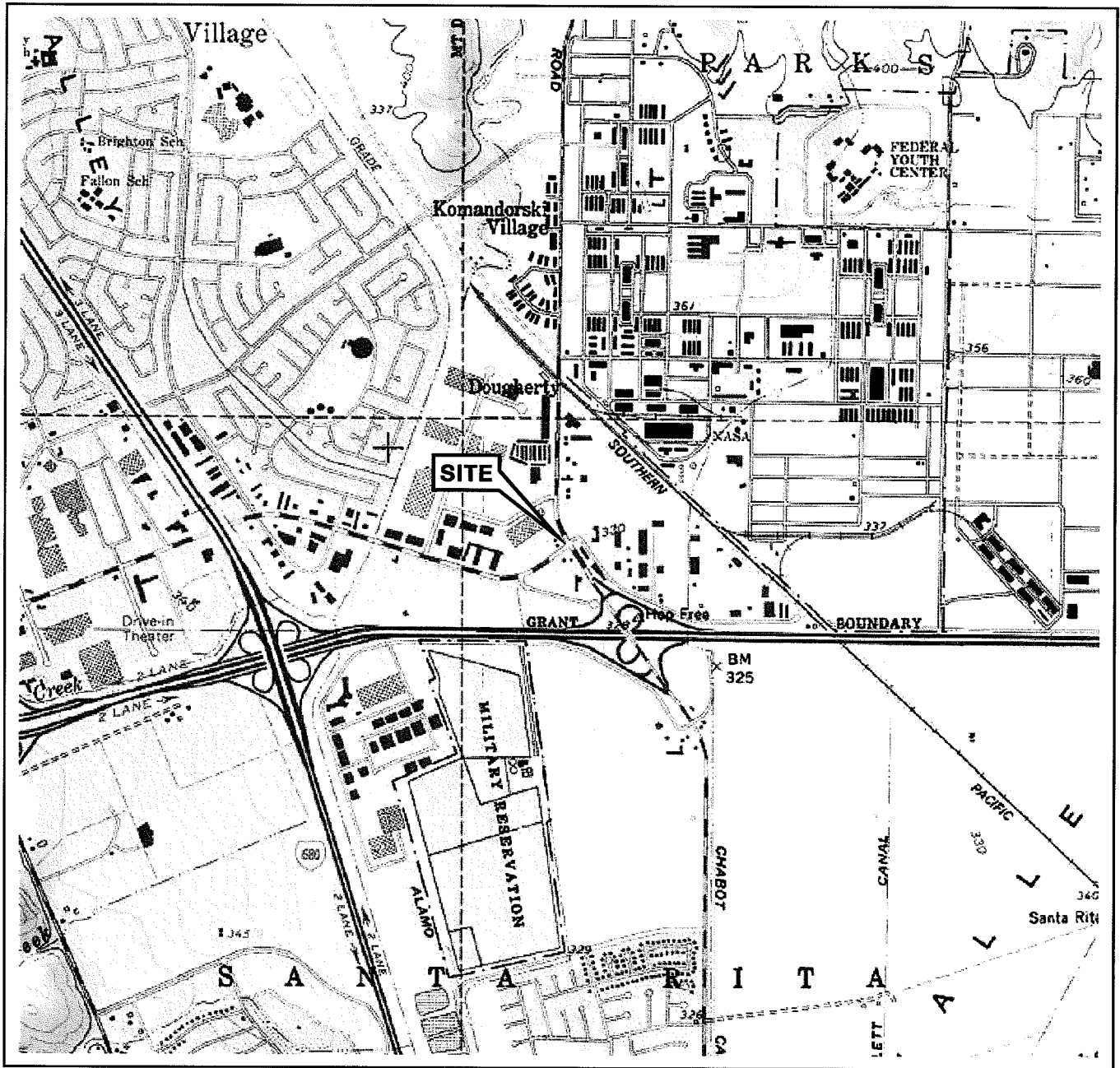
Date Sampled	TPH-D (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene- dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Cadmium (dissolved) (mg/l)	Chromium (total) (mg/l)	Lead (total) (mg/l)	Nickel (mg/l)	Zinc (total) (mg/l)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)
MW-5 continued															
1/9/2006	--	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--
9/27/2006	--	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--
3/29/2007	--	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--
9/21/2007	--	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--
MW-6															
5/21/1999	--	ND<170	--	--	--	ND<8.3	ND<8.3	ND<8.3	--	--	--	--	--	--	--
8/24/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	2.7	--
2/6/2002	--	ND<170	ND<4200	ND<8.3	ND<8.3	ND<8.3	ND<8.3	ND<8.3	--	--	--	--	--	--	--
8/18/2003	--	--	ND<1000	--	--	--	--	--	--	--	--	--	--	--	--
2/24/2004	--	--	ND<1000	--	--	--	--	--	--	--	--	--	--	--	--
9/17/2004	--	--	ND<100	--	--	--	--	--	--	--	--	--	--	--	--
3/22/2005	--	--	ND<50	--	--	--	--	--	--	--	--	--	--	--	--
9/29/2005	--	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--
1/9/2006	--	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--
MW-7															
8/24/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	2.7	--
2/6/2002	--	ND<20	ND<500	ND<1.0	ND<1.0	1.4	ND<1.0	ND<1.0	--	--	--	--	--	--	--
8/18/2003	--	--	ND<500	--	--	--	--	--	--	--	--	--	--	--	--
2/24/2004	--	--	ND<500	--	--	--	--	--	--	--	--	--	--	--	--
9/17/2004	--	--	ND<50	--	--	--	--	--	--	--	--	--	--	--	--
3/22/2005	--	--	ND<50	--	--	--	--	--	--	--	--	--	--	--	--
9/29/2005	--	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--
1/9/2006	--	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--
MW-8															
10/11/2001	--	ND<20	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 6419

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)	Cadmium (dissolved) (mg/l)	Chromium (total) (mg/l)	Lead (total) (mg/l)	Nickel (mg/l)	Zinc (total) (mg/l)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)
MW-8 continued															
2/6/2002	--	ND<20	ND<500	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	--	--	--	--
8/18/2003	--	--	ND<500	--	--	--	--	--	--	--	--	--	--	--	--
2/24/2004	--	--	ND<500	--	--	--	--	--	--	--	--	--	--	--	--
9/17/2004	--	--	ND<50	--	--	--	--	--	--	--	--	--	--	--	--
MW-9															
10/11/2001	--	ND<20	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	--	--	--	--
2/6/2002	--	ND<20	ND<500	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	--	--	--	--
8/18/2003	--	--	ND<500	--	--	--	--	--	--	--	--	--	--	--	--
2/24/2004	--	--	ND<500	--	--	--	--	--	--	--	--	--	--	--	--
9/17/2004	--	--	ND<50	--	--	--	--	--	--	--	--	--	--	--	--

FIGURES

PS-1:1 L:\QMS VICINITY M A P S\6419\m.dwg Oct 09, 2007 - 10:06am cuong



SOURCE:

United States Geological Survey
7.5 Minute Topographic Map:
Dublin Quadrangle

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

SCALE 1:24,000



PROJECT: 125703


FACILITY:

76 STATION 6419
6401 DUBLIN BOULEVARD
DUBLIN, CALIFORNIA

VICINITY MAP

FIGURE 1

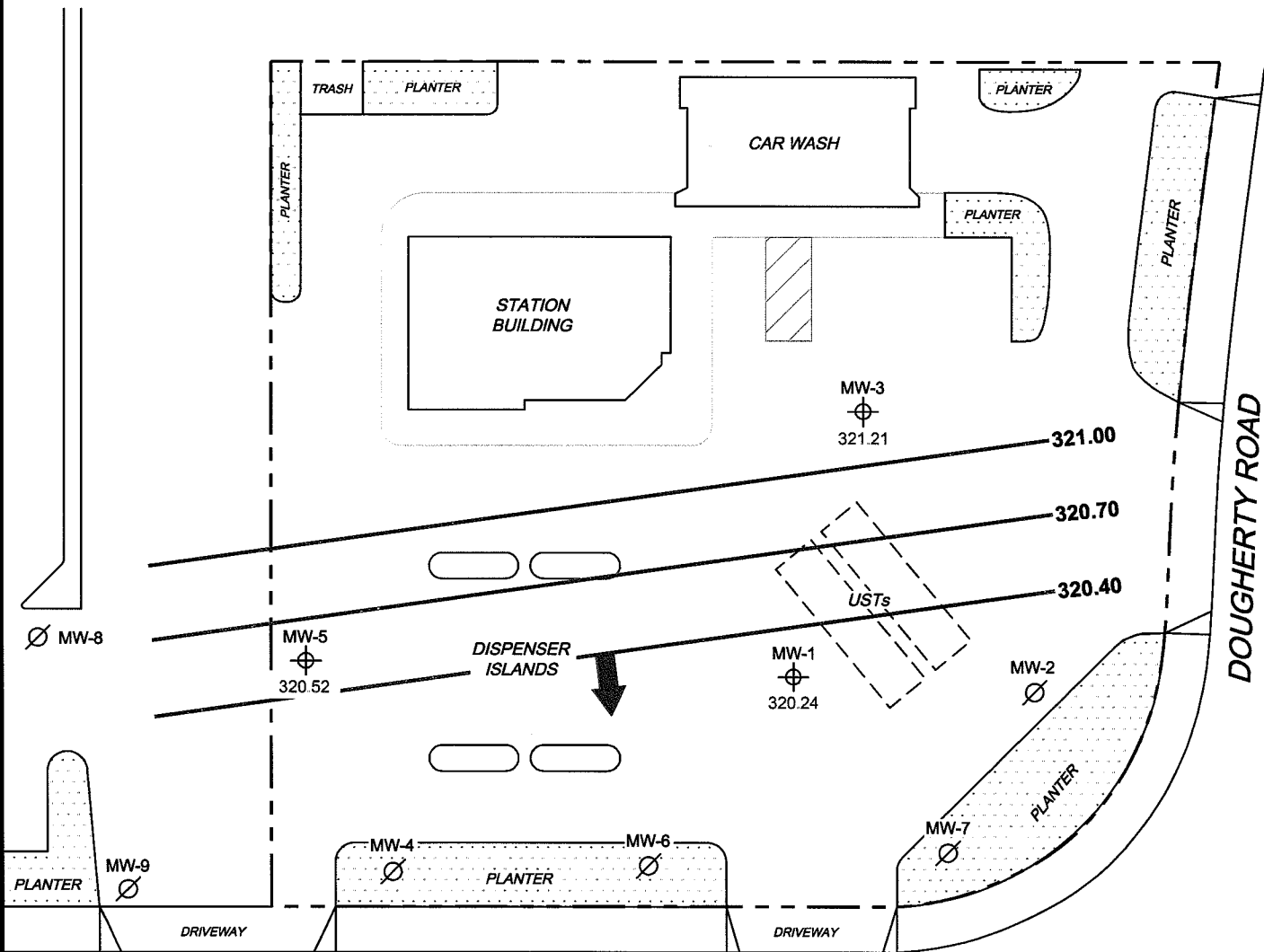
LEGEND

MW-5  Monitoring Well with Groundwater Elevation (feet)

MW-9  Abandoned Monitoring Well

321.00  Groundwater Elevation Contour

 General Direction of Groundwater Flow



NOTES:

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

SCALE (FEET)



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

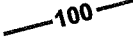


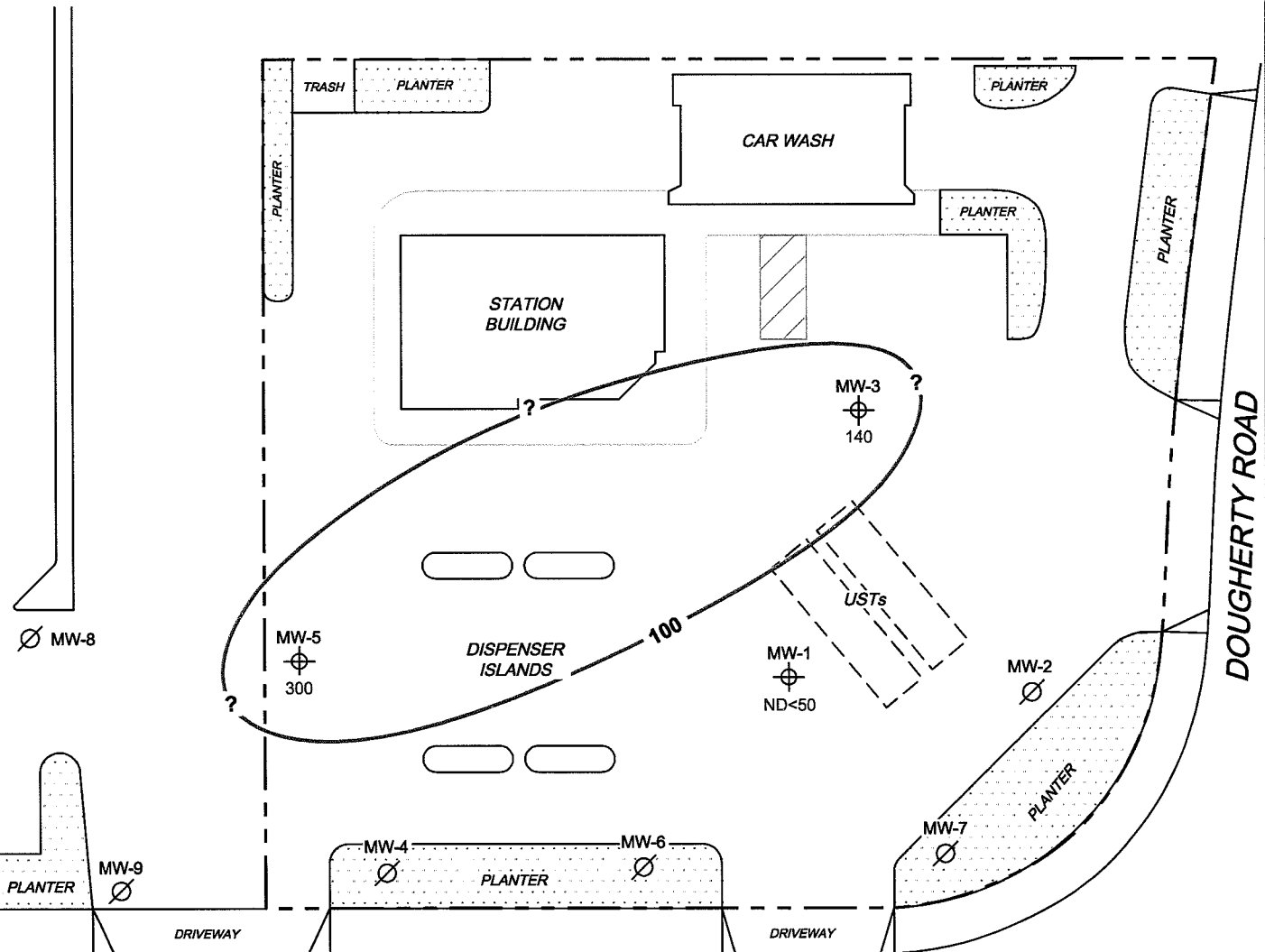
PROJECT: 125703
 FACILITY:
 76 STATION 6419
 6401 DUBLIN BOULEVARD
 DUBLIN, CALIFORNIA

**GROUNDWATER ELEVATION
 CONTOUR MAP
 September 21, 2007**

FIGURE 2

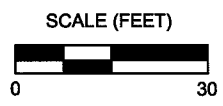
LEGEND

- MW-5  Monitoring Well with Dissolved-Phase TPH-G (GC/MS) Concentration ($\mu\text{g/l}$)
- MW-9  Abandoned Monitoring Well
-  100 Dissolved-Phase TPH-G (GC/MS) Contour ($\mu\text{g/l}$)



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



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MS-1:30 6419-003




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 FACILITY:
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 DUBLIN, CALIFORNIA

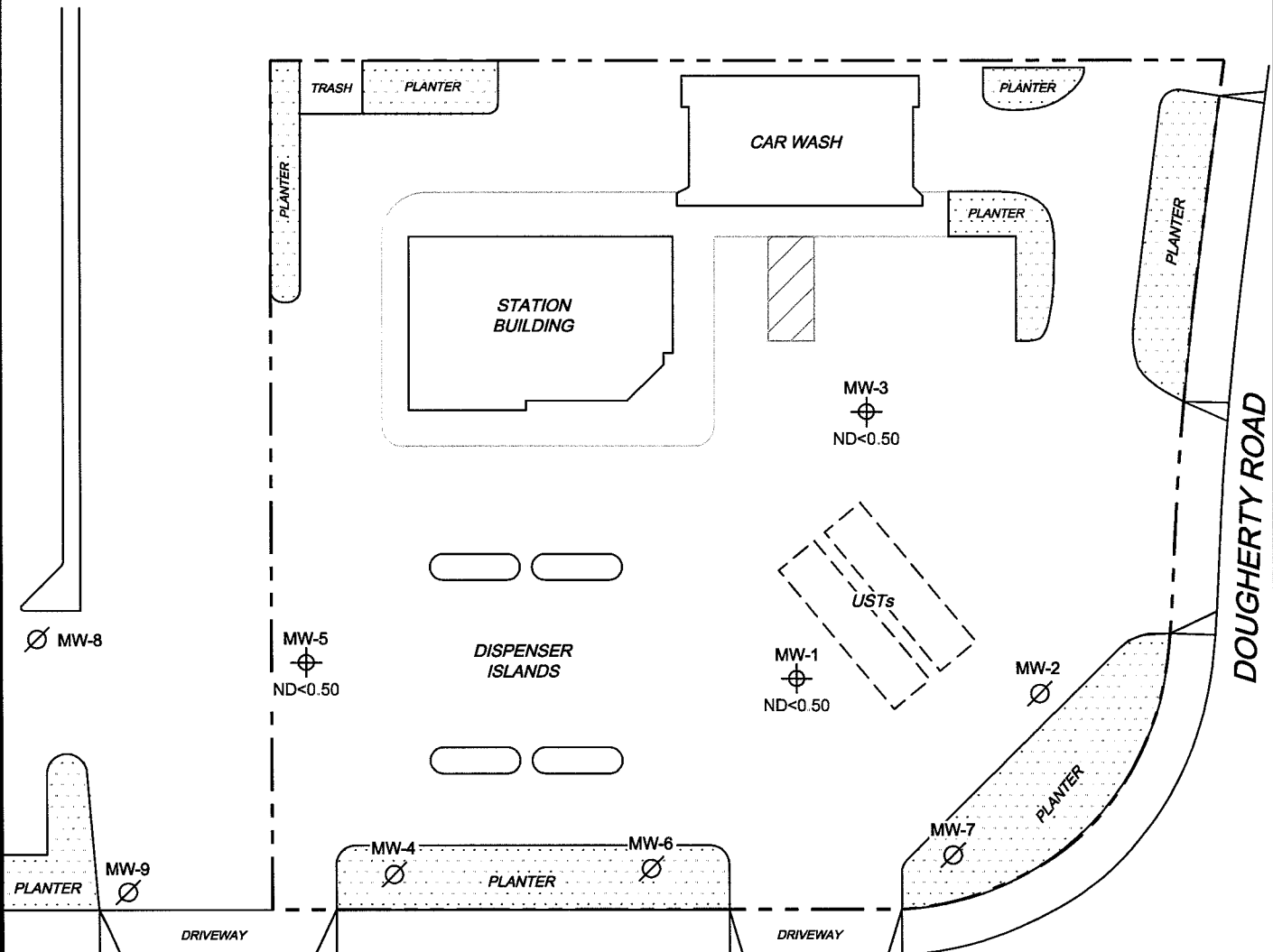
**DISSOLVED-PHASE TPH-G (GC/MS)
 CONCENTRATION MAP
 September 21, 2007**

FIGURE 3

LEGEND

MW-5  Monitoring Well with Dissolved-Phase Benzene Concentration ($\mu\text{g/l}$)

MW-9  Abandoned Monitoring Well



NOTES:

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

SCALE (FEET)



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MS-1:30 6419-003




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 FACILITY:
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 DUBLIN, CALIFORNIA

**DISSOLVED-PHASE BENZENE
 CONCENTRATION MAP
 September 21, 2007**

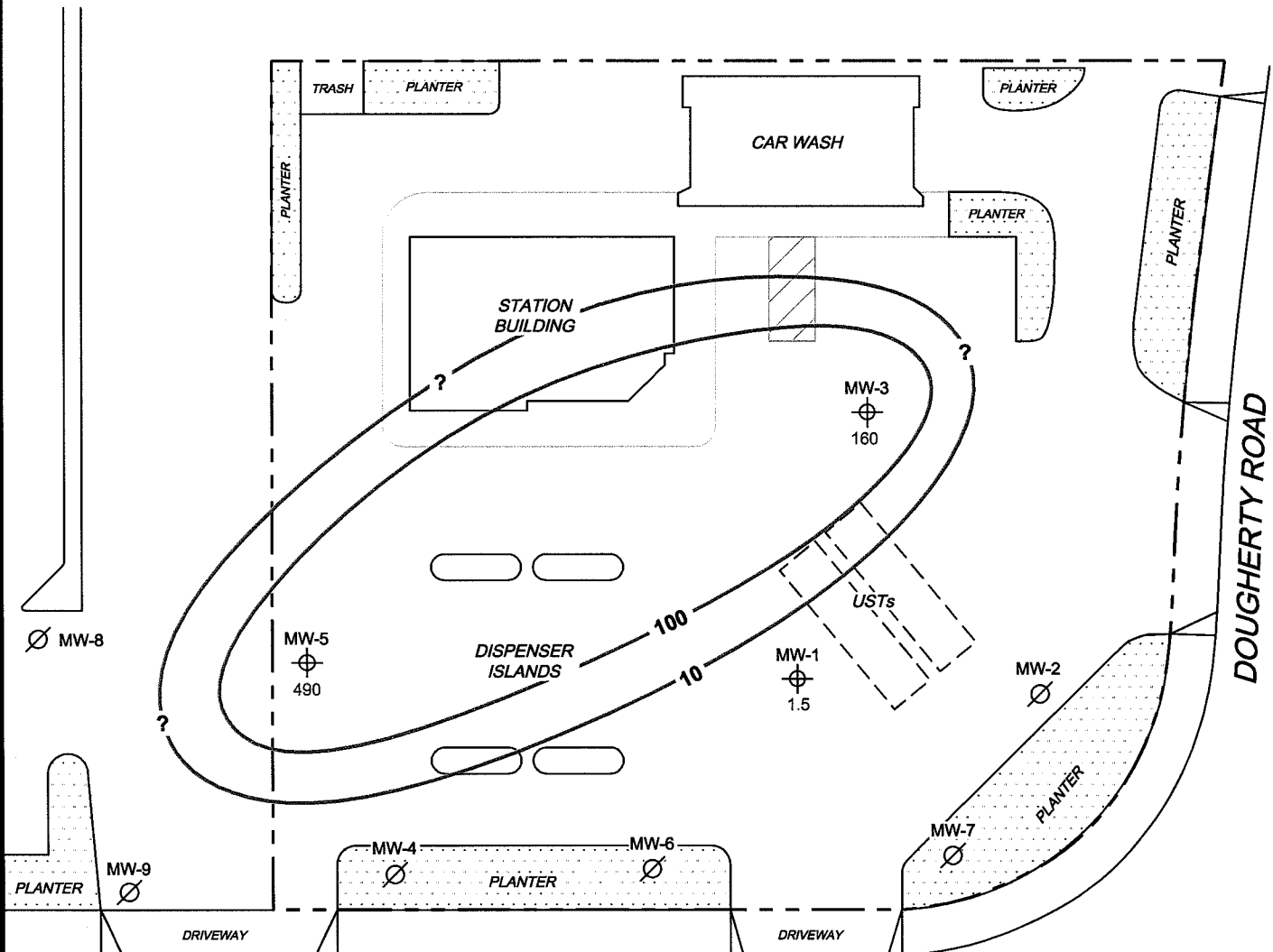
FIGURE 4

LEGEND

MW-5  Monitoring Well with Dissolved-Phase MTBE Concentration ($\mu\text{g/l}$)

MW-9  Abandoned Monitoring Well

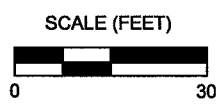
 100 Dissolved-Phase MTBE Contour ($\mu\text{g/l}$)



DUBLIN BOULEVARD

NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. MTBE = methyl tertiary butyl ether. $\mu\text{g/l}$ = micrograms per liter. UST = underground storage tank. Results obtained using EPA Method 8260B.



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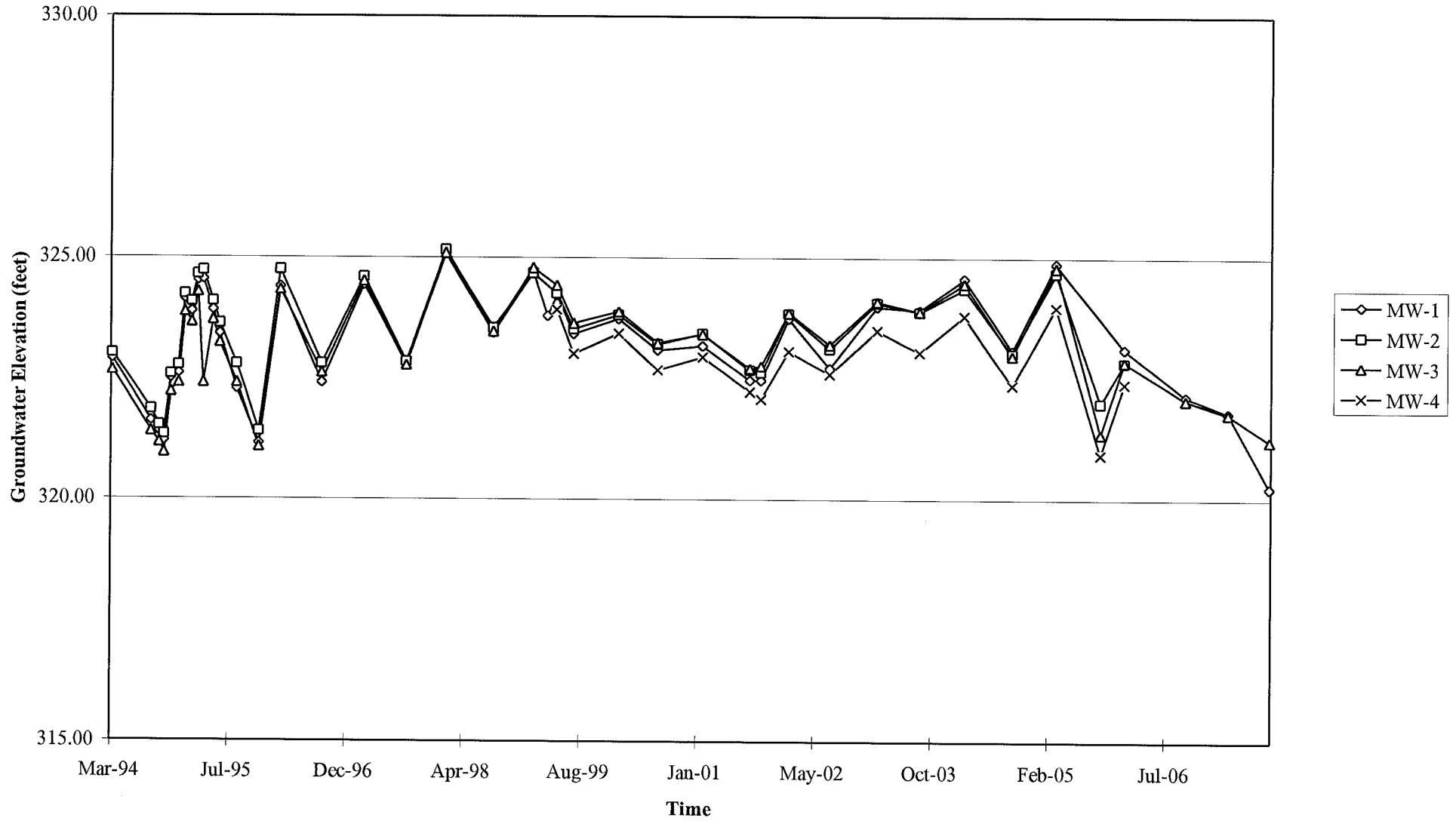
PROJECT: 125703
FACILITY:
76 STATION 6419
6401 DUBLIN BOULEVARD
DUBLIN, CALIFORNIA

**DISSOLVED-PHASE MTBE
CONCENTRATION MAP
September 21, 2007**

FIGURE 5

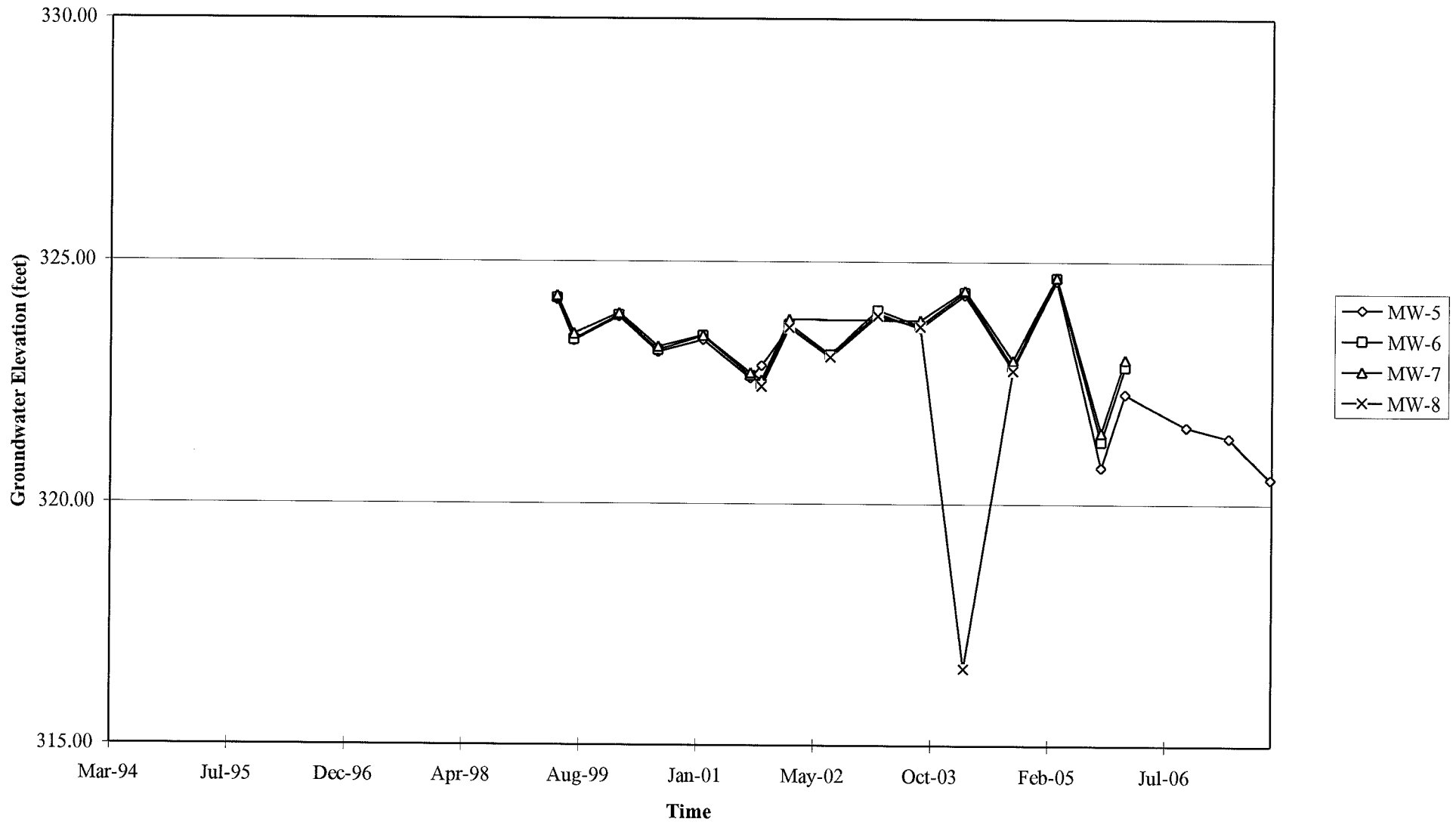
GRAPHS

Groundwater Elevations vs. Time
76 Station 6419



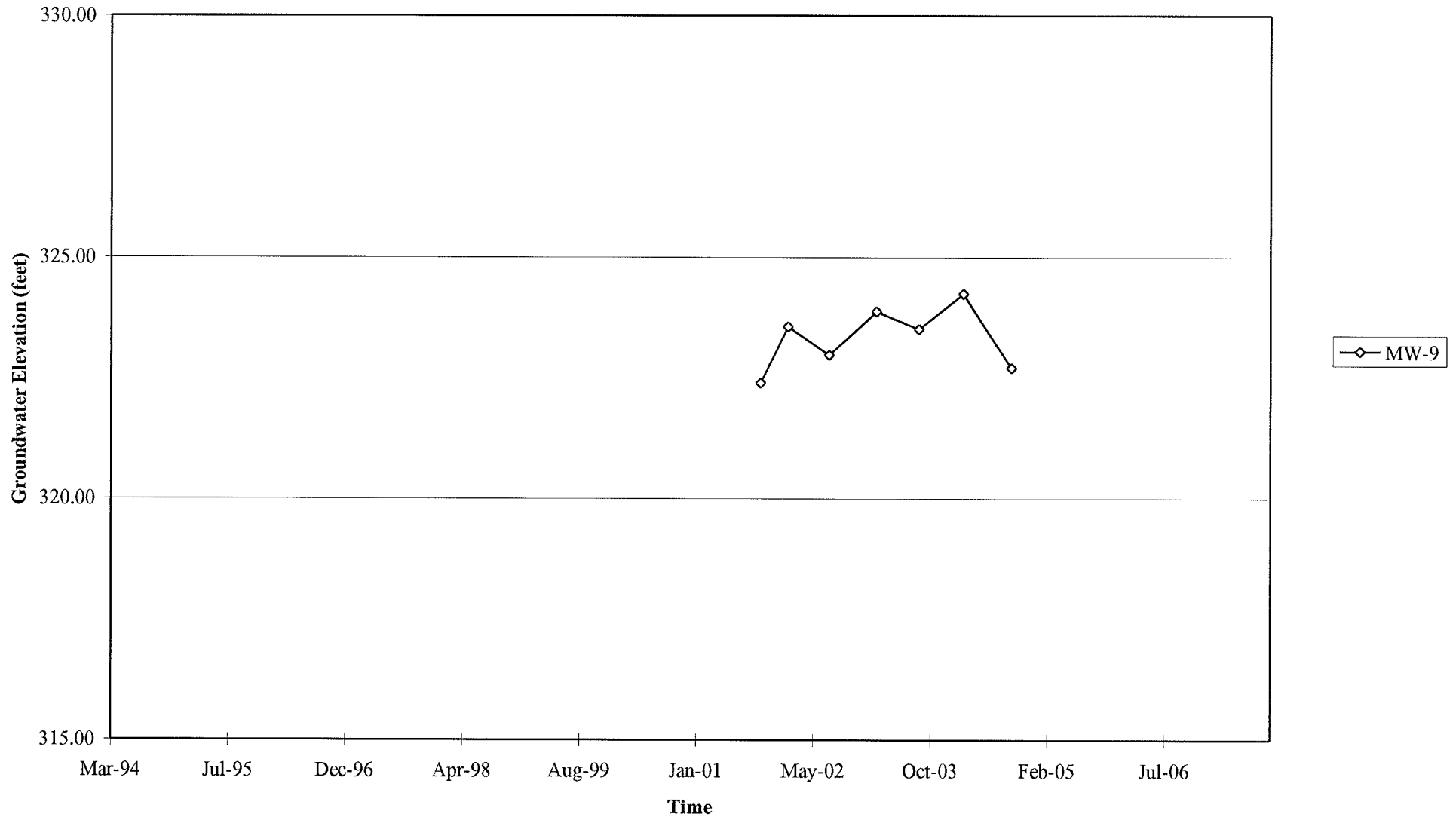
Elevations may have been corrected for apparent changes due to resurvey

Groundwater Elevations vs. Time
76 Station 6419



Elevations may have been corrected for apparent changes due to resurvey

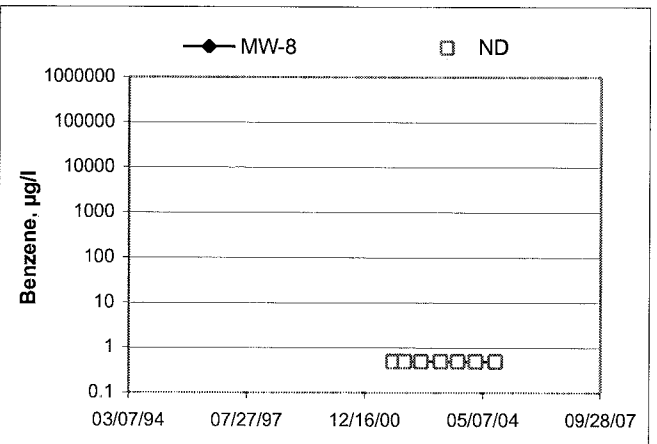
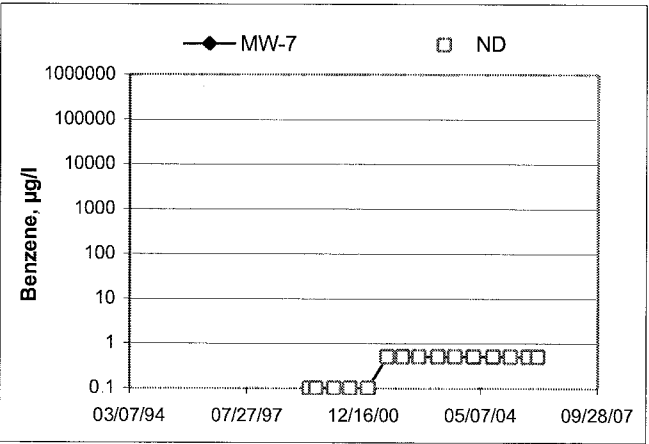
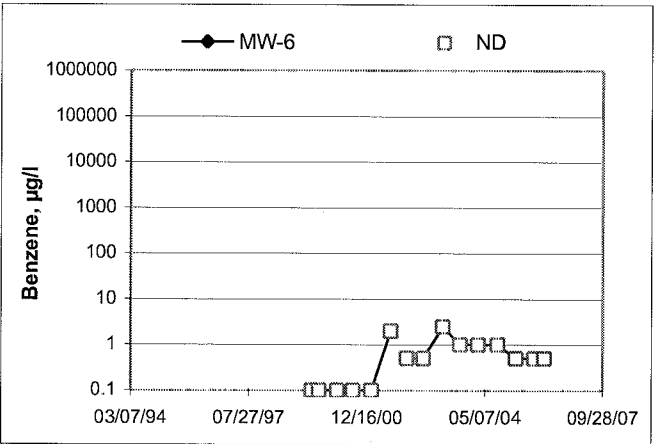
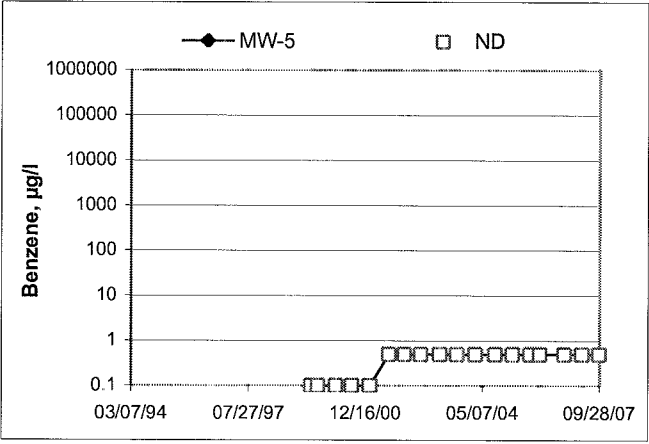
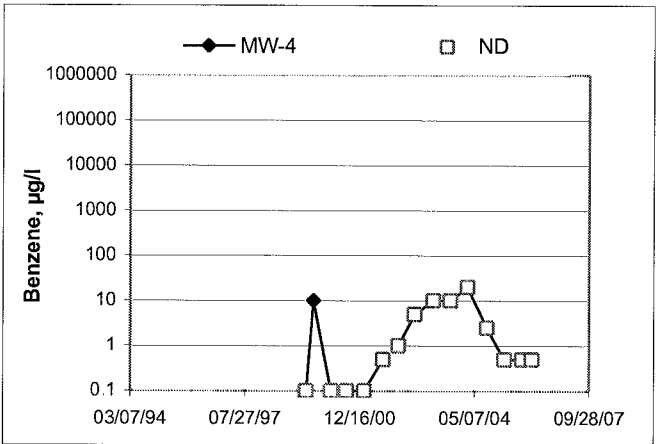
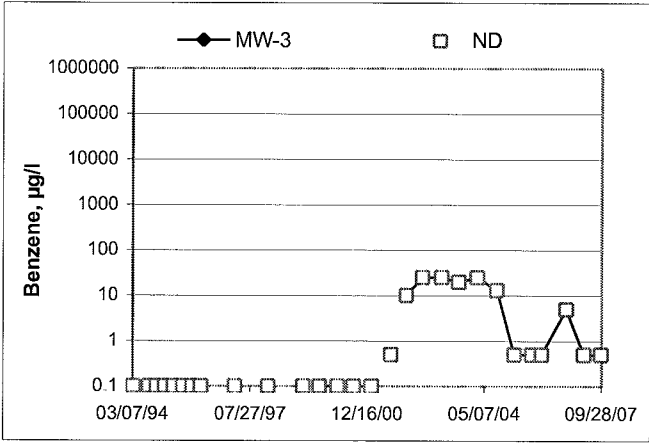
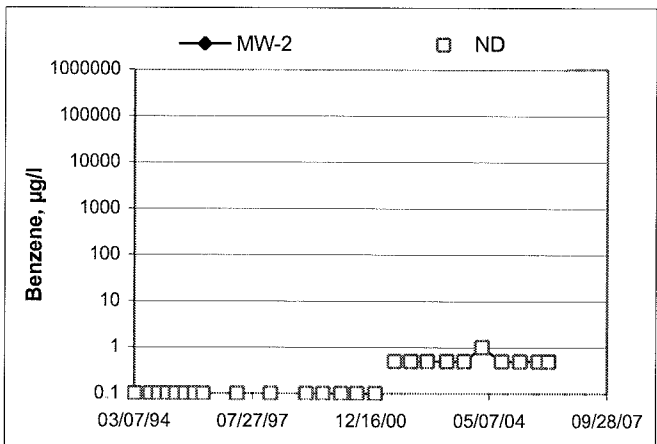
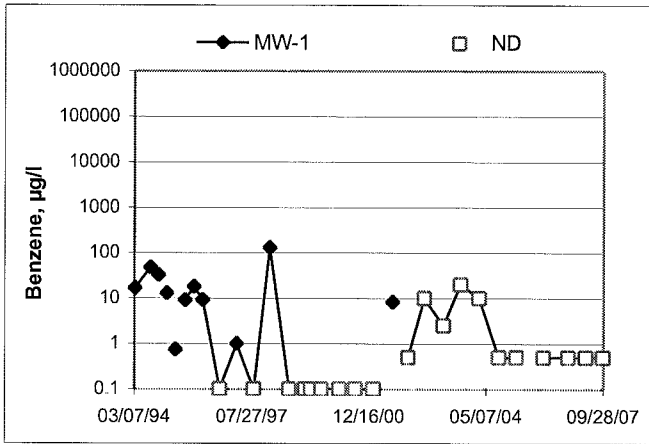
Groundwater Elevations vs. Time
76 Station 6419



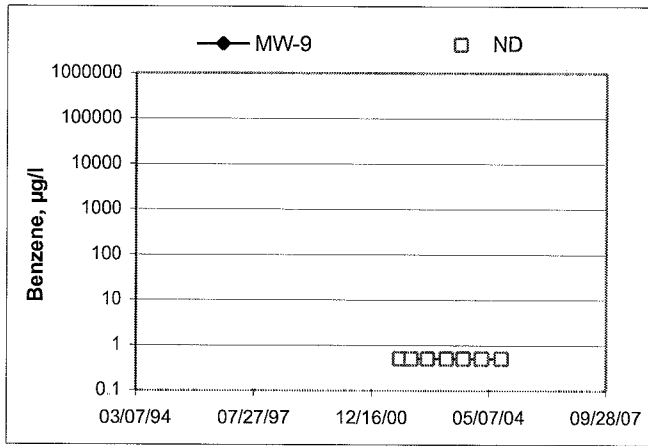
Elevations may have been corrected for apparent changes due to resurvey

Benzene Concentrations vs Time

76 Station 6419



Benzene Concentrations vs Time
76 Station 6419



GENERAL FIELD PROCEDURES

Groundwater Monitoring and Sampling Assignments

For each site, TRC technicians are provided with a Technical Service Request (TSR) that specifies activities required to complete the groundwater monitoring and sampling assignment for the site. TSRs are based on client directives, instructions from the primary environmental consultant for the site, regulatory requirements, and TRC's previous experience with the site.

Fluid Level Measurements

Initial site activities include determination of well locations based on a site map provided with the TSR. Well boxes are opened and caps are removed. Indications of well or well box damage or of pressure buildup in the well are noted.

Fluid levels in each well are measured using a coated cloth tape equipped with an electronic interface probe, which distinguishes between liquid phase hydrocarbon (LPH) and water. The depth to LPH (if it is present), to water, and to the bottom of the well are measured from the top of the well casing (surveyors mark or notch if present) to the nearest 0.01 foot. Unless otherwise instructed, a well with less than 0.67 foot between the measured top of water and the measured bottom of the well casing is considered dry, and is not sampled. If the well contains 0.67 foot or more of water, an attempt is made to bail and/or sample as specified on the TSR.

Wells that are found to contain LPH are not purged or sampled. Instead, one casing volume of fluid is bailed from the well and the well is re-sealed. Bailed fluids are placed in a container separate from normal purge water, and properly disposed.

Purging and Groundwater Parameter Measurement

TSR instructions may specify that a well not be purged (no-purge sampling), be purged using low-flow methods, or be purged using conventional pump and/or bail methods. Conventional purging generally consists of pumping or bailing until a minimum of three casing volumes of water have been removed or until the well has been pumped dry. Pumping is generally accomplished using submersible electric or pneumatic diaphragm pumps.

During conventional purging, three groundwater parameters (temperature, pH, and conductivity) are measured after removal of each casing volume. Stabilization of these parameters, to within 10 percent, confirm that sufficient purging has been completed. In some cases, the TSR indicates that other parameters are also to be measured during purging. TRC commonly measures dissolved oxygen (DO), oxidation-reduction potential (ORP), and/or turbidity. Instruments used for groundwater parameter measurements are calibrated daily according to manufacturer's instructions.

Low-flow purging utilizes a bladder or peristaltic pump to remove water from the well at a low rate. Groundwater parameters specified by the TSR are measured continuously until they become stable in general accordance with EPA guidelines.

Purge water is generally collected in labeled drums for disposal. Drums may be left on site for disposal by others, or transported to a collection location for eventual transfer to a licensed treatment or recycling facility. In some cases, purge water may be collected directly from the site by a licensed vacuum truck company, or may be treated on site by an active remediation system, if so directed.

Groundwater Sample Collection

After wells are purged, or not purged, according to TSR instructions, samples are collected for laboratory analysis. For wells that have been purged using conventional pump or bail methods, sampling is conducted after the well has recovered to 80 percent of its original volume or after two hours if the well does not recover to at least 80 percent. If there is insufficient recharge of water in the well after two hours, the well is not sampled.

Samples are collected by lowering a new, disposable, ½-inch to 4-inch polyethylene bottom-fill bailer to just below the water level in the well. The bailer is retrieved and the water sample is carefully transferred to containers specified for the laboratory analytical methods indicated by the TSR. Particular care is given to containers for volatile organic analysis (VOAs) which require filling to zero headspace and fitting with Teflon-sealed caps.

After filling, all containers are labeled with project number (or site number), well designation, sample date, sample time, and the sampler's initials, and placed in an insulated chest with ice. Samples remain chilled prior to and during transport to a state-certified laboratory for analysis. Sample container descriptions and requested analyses are entered onto a chain-of-custody form in order to provide instructions to the laboratory. The chain-of-custody form accompanies the samples during transportation to provide a continuous record of possession from the field to the laboratory. If a freight or overnight carrier transports the samples, the carrier is noted on the form.

For wells that have been purged using low-flow methods, sample containers are filled from the effluent stream of the bladder or peristaltic pump. In some cases, if so specified by the TSR, samples are taken from the sample ports of actively pumping remediation wells.

Sequence of Gauging, Purging and Sampling

The sequence in which monitoring activities are conducted are specified on the TSR. In general, wells are gauged beginning with the least affected well and ending with the well that has the highest concentration based on previous analytic results. After all gauging for the site is completed, wells are purged and/or sampled from the least-affected to the most-affected well.

Decontamination

In order to reduce the possibility of cross contamination between wells, strict isolation and decontamination procedures are observed. Portable pumps are not used in wells with LPH. Technicians wear nitrile gloves during all gauging, purging and sampling activities. Gloves are changed between wells and more often if warranted. Any equipment that could come in contact with fluids are either dedicated to a particular wells, decontaminated prior to each use, or discarded after a single use. Decontamination consists of washing in a solution of Liqui-nox and water and rinsing twice. The final rinse is in deionized water.

Exceptions

Additional tasks or non-standard procedures, if any, that may be requested or required for a particular site, and noted on the site TSR, are documented in field notes on the following pages.

FIELD MONITORING DATA SHEET

 Technician: RAY

 Job #/Task #: 125703/FA20

 Date: 9-21-07

 Site # 6419

 Project Manager A Collins

 Page 1 of 1

Well #	Time Gauged	TOC	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
MW-1	1218	X	1379	9.93	—	—	1302	2"
MW-3	1222	X	1844	9.38	—	—	1314	2"
MW-5	1229	X	1920	9.66	—	—	1334	2"
FIELD DATA COMPLETE		QA/QC	COC		WELL BOX CONDITION SHEETS			
WTT CERTIFICATE		MANIFEST		DRUM INVENTORY		TRAFFIC CONTROL		

GROUNDWATER SAMPLING FIELD NOTES

Technician: RAY

Site: 6419

Project No.: 125203

Date: 9-21-07

Well No. MW-1

Purge Method: DIA

Depth to Water (feet): 9.93

Depth to Product (feet):

Total Depth (feet): 1379

LPH & Water Recovered (gallons):

Water Column (feet): 386

Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 1070

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.	ORP	Turbidity
1255			2	1084	25.1	7.40			
			4	1077	24.4	7.32			
	1257		6	1027	24.4	7.53			
		Static at Time Sampled	Total Gallons Purged		Sample Time				
		9.93	6		1302				
Comments:									

Well No. MW-3

Purge Method: DIA

Depth to Water (feet): 9.38

Depth to Product (feet):

Total Depth (feet): 18.44

LPH & Water Recovered (gallons):

Water Column (feet): 9.06

Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 1119

1 Well Volume (gallons): 1

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	D.O.	ORP	Turbidity
1308			1 RM	1089.281	24.3	7.50			
			2 RM	1077.276	23.5	7.37			
	1311		3 RM	283	23.3	7.47			
		Static at Time Sampled	Total Gallons Purged		Sample Time				
		1019	3		1314				
Comments:									

GROUNDWATER SAMPLING FIELD NOTES

Technician: RAY

Site: 6419

Project No.: 125703

Date: 9-21-07

Well No. MW-5

Purge Method: DIA

Depth to Water (feet): 9.66

Depth to Product (feet): —

Total Depth (feet): 19.20

LPH & Water Recovered (gallons): —

Water Column (feet): 9.54

Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 11.56

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.	ORP	Turbidity
1327			2	263	24.0	7.80			
			4	285	23.5	7.62			
	1330		6	284	23.0	7.67			
Static at Time Sampled			Total Gallons Purged		Sample Time				
1140			6		1334				
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.	ORP	Turbidity
Static at Time Sampled			Total Gallons Purged		Sample Time				
Comments:									



Date of Report: 10/03/2007

Anju Farfan

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

RE: 6419
BC Work Order: 0711145

Enclosed are the results of analyses for samples received by the laboratory on 09/24/2007 21:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Molly Meyers", written over a horizontal line.

Contact Person: Molly Meyers
Client Service Rep

A handwritten signature in black ink, consisting of a stylized, cursive-like scribble, written over a horizontal line.

Authorized Signature



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

Project: 6419
Project Number: [none]
Project Manager: Anju Farfan

Reported: 10/03/2007 17:34

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			Receive Date:	Sampling Date:	Sample Depth:	Sample Matrix:	Delivery Work Order:	Global ID:	Matrix:	Sample QC Type (SACode):	Cooler ID:
0711145-01	COC Number:	---		09/24/2007 21:00	09/21/2007 13:02	---	Water		T0600101443	W	CS	
	Project Number:	6419										
	Sampling Location:	MW-1										
	Sampling Point:	MW-1										
	Sampled By:	TRCI										
0711145-02	COC Number:	---		09/24/2007 21:00	09/21/2007 13:14	---	Water		T0600101443	W	CS	
	Project Number:	6419										
	Sampling Location:	MW-3										
	Sampling Point:	MW-3										
	Sampled By:	TRCI										
0711145-03	COC Number:	---		09/24/2007 21:00	09/21/2007 13:34	---	Water		T0600101443	W	CS	
	Project Number:	6419										
	Sampling Location:	MW-5										
	Sampling Point:	MW-5										
	Sampled By:	TRCI										



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

Project: 6419
Project Number: [none]
Project Manager: Anju Farfan

Reported: 10/03/2007 17:34

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0711145-01 **Client Sample Name:** 6419, MW-1, MW-1, 9/21/2007 1:02:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep	Run	Analyst	Instru- ment ID	Dilution	QC	MB	Lab
						Date	Date/Time				Batch ID	Bias	Quals
Benzene	ND	ug/L	0.50		EPA-8260	09/29/07	10/02/07 01:07	SDU	MS-V10	1	BQI1525	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	09/29/07	10/02/07 01:07	SDU	MS-V10	1	BQI1525	ND	
Methyl t-butyl ether	1.5	ug/L	0.50		EPA-8260	09/29/07	10/02/07 01:07	SDU	MS-V10	1	BQI1525	ND	
Toluene	ND	ug/L	0.50		EPA-8260	09/29/07	10/02/07 01:07	SDU	MS-V10	1	BQI1525	ND	
Total Xylenes	ND	ug/L	0.50		EPA-8260	09/29/07	10/02/07 01:07	SDU	MS-V10	1	BQI1525	ND	
Ethanol	ND	ug/L	250		EPA-8260	09/29/07	10/02/07 01:07	SDU	MS-V10	1	BQI1525	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	09/29/07	10/02/07 01:07	SDU	MS-V10	1	BQI1525	ND	
1,2-Dichloroethane-d4 (Surrogate)	102	%	76 - 114 (LCL - UCL)		EPA-8260	09/29/07	10/02/07 01:07	SDU	MS-V10	1	BQI1525		
Toluene-d8 (Surrogate)	98.0	%	88 - 110 (LCL - UCL)		EPA-8260	09/29/07	10/02/07 01:07	SDU	MS-V10	1	BQI1525		
4-Bromofluorobenzene (Surrogate)	98.9	%	86 - 115 (LCL - UCL)		EPA-8260	09/29/07	10/02/07 01:07	SDU	MS-V10	1	BQI1525		

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

 Project: 6419
 Project Number: [none]
 Project Manager: Anju Farfan

Reported: 10/03/2007 17:34

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0711145-02	Client Sample Name: 6419, MW-3, MW-3, 9/21/2007 1:14:00PM
---------------------------	---

Constituent	Result	Units	PQL	MDL	Method	Prep	Run	Analyst	Instru- ment ID	Dilution	QC	MB	Lab
						Date	Date/Time				Batch ID	Bias	Quals
Benzene	ND	ug/L	0.50		EPA-8260	09/29/07	10/02/07 01:25	SDU	MS-V10	1	BQI1525	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	09/29/07	10/02/07 01:25	SDU	MS-V10	1	BQI1525	ND	
Methyl t-butyl ether	160	ug/L	2.5		EPA-8260	09/29/07	10/02/07 16:58	SDU	MS-V10	5	BQI1525	ND	A01
Toluene	ND	ug/L	0.50		EPA-8260	09/29/07	10/02/07 01:25	SDU	MS-V10	1	BQI1525	ND	
Total Xylenes	ND	ug/L	0.50		EPA-8260	09/29/07	10/02/07 01:25	SDU	MS-V10	1	BQI1525	ND	
Ethanol	ND	ug/L	250		EPA-8260	09/29/07	10/02/07 01:25	SDU	MS-V10	1	BQI1525	ND	
Total Purgeable Petroleum Hydrocarbons	140	ug/L	50		EPA-8260	09/29/07	10/02/07 01:25	SDU	MS-V10	1	BQI1525	ND	A90
1,2-Dichloroethane-d4 (Surrogate)	102	%	76 - 114 (LCL - UCL)		EPA-8260	09/29/07	10/02/07 16:58	SDU	MS-V10	5	BQI1525		
1,2-Dichloroethane-d4 (Surrogate)	104	%	76 - 114 (LCL - UCL)		EPA-8260	09/29/07	10/02/07 01:25	SDU	MS-V10	1	BQI1525		
Toluene-d8 (Surrogate)	96.9	%	88 - 110 (LCL - UCL)		EPA-8260	09/29/07	10/02/07 01:25	SDU	MS-V10	1	BQI1525		
Toluene-d8 (Surrogate)	98.4	%	88 - 110 (LCL - UCL)		EPA-8260	09/29/07	10/02/07 16:58	SDU	MS-V10	5	BQI1525		
4-Bromofluorobenzene (Surrogate)	102	%	86 - 115 (LCL - UCL)		EPA-8260	09/29/07	10/02/07 16:58	SDU	MS-V10	5	BQI1525		
4-Bromofluorobenzene (Surrogate)	100	%	86 - 115 (LCL - UCL)		EPA-8260	09/29/07	10/02/07 01:25	SDU	MS-V10	1	BQI1525		

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

 Project: 6419
 Project Number: [none]
 Project Manager: Anju Farfan

Reported: 10/03/2007 17:34

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0711145-03		Client Sample Name: 6419, MW-5, MW-5, 9/21/2007 1:34:00PM											
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	09/29/07	10/02/07 01:43	SDU	MS-V10	1	BQI1525	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	09/29/07	10/02/07 01:43	SDU	MS-V10	1	BQI1525	ND	
Methyl t-butyl ether	490	ug/L	2.5		EPA-8260	09/29/07	10/02/07 17:16	SDU	MS-V10	5	BQI1525	ND	A01
Toluene	ND	ug/L	0.50		EPA-8260	09/29/07	10/02/07 01:43	SDU	MS-V10	1	BQI1525	ND	
Total Xylenes	ND	ug/L	0.50		EPA-8260	09/29/07	10/02/07 01:43	SDU	MS-V10	1	BQI1525	ND	
Ethanol	ND	ug/L	250		EPA-8260	09/29/07	10/02/07 01:43	SDU	MS-V10	1	BQI1525	ND	
Total Purgeable Petroleum Hydrocarbons	300	ug/L	50		EPA-8260	09/29/07	10/02/07 01:43	SDU	MS-V10	1	BQI1525	ND	A90
1,2-Dichloroethane-d4 (Surrogate)	101	%	76 - 114 (LCL - UCL)		EPA-8260	09/29/07	10/02/07 17:16	SDU	MS-V10	5	BQI1525		
1,2-Dichloroethane-d4 (Surrogate)	102	%	76 - 114 (LCL - UCL)		EPA-8260	09/29/07	10/02/07 01:43	SDU	MS-V10	1	BQI1525		
Toluene-d8 (Surrogate)	97.6	%	88 - 110 (LCL - UCL)		EPA-8260	09/29/07	10/02/07 01:43	SDU	MS-V10	1	BQI1525		
Toluene-d8 (Surrogate)	98.4	%	88 - 110 (LCL - UCL)		EPA-8260	09/29/07	10/02/07 17:16	SDU	MS-V10	5	BQI1525		
4-Bromofluorobenzene (Surrogate)	98.4	%	86 - 115 (LCL - UCL)		EPA-8260	09/29/07	10/02/07 01:43	SDU	MS-V10	1	BQI1525		
4-Bromofluorobenzene (Surrogate)	99.1	%	86 - 115 (LCL - UCL)		EPA-8260	09/29/07	10/02/07 17:16	SDU	MS-V10	5	BQI1525		

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

 Project: 6419
 Project Number: [none]
 Project Manager: Anju Farfan

Reported: 10/03/2007 17:34

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	Control Limits		
									Percent Recovery	RPD	Percent Recovery Lab Quals
Benzene	BQI1525	Matrix Spike	0711125-01	0	25.970	25.000	ug/L		104		70 - 130
		Matrix Spike Duplicate	0711125-01	0	24.160	25.000	ug/L	7.4	96.6	20	70 - 130
Toluene	BQI1525	Matrix Spike	0711125-01	0	25.540	25.000	ug/L		102		70 - 130
		Matrix Spike Duplicate	0711125-01	0	24.390	25.000	ug/L	4.4	97.6	20	70 - 130
1,2-Dichloroethane-d4 (Surrogate)	BQI1525	Matrix Spike	0711125-01	ND	10.000	10.000	ug/L		100		76 - 114
		Matrix Spike Duplicate	0711125-01	ND	9.7200	10.000	ug/L		97.2		76 - 114
Toluene-d8 (Surrogate)	BQI1525	Matrix Spike	0711125-01	ND	9.8400	10.000	ug/L		98.4		88 - 110
		Matrix Spike Duplicate	0711125-01	ND	9.9700	10.000	ug/L		99.7		88 - 110
4-Bromofluorobenzene (Surrogate)	BQI1525	Matrix Spike	0711125-01	ND	9.8800	10.000	ug/L		98.8		86 - 115
		Matrix Spike Duplicate	0711125-01	ND	9.7100	10.000	ug/L		97.1		86 - 115

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

Project: 6419
 Project Number: [none]
 Project Manager: Anju Farfan

Reported: 10/03/2007 17:34

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	Control Limits		Lab Quals
								Percent Recovery	RPD	
Benzene	BQI1525	BQI1525-BS1	LCS	25.180	25.000	0.50	ug/L	101		70 - 130
Toluene	BQI1525	BQI1525-BS1	LCS	25.460	25.000	0.50	ug/L	102		70 - 130
1,2-Dichloroethane-d4 (Surrogate)	BQI1525	BQI1525-BS1	LCS	9.8300	10.000		ug/L	98.3		76 - 114
Toluene-d8 (Surrogate)	BQI1525	BQI1525-BS1	LCS	10.040	10.000		ug/L	100		88 - 110
4-Bromofluorobenzene (Surrogate)	BQI1525	BQI1525-BS1	LCS	10.040	10.000		ug/L	100		86 - 115

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

Project: 6419
 Project Number: [none]
 Project Manager: Anju Farfan

Reported: 10/03/2007 17:34

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	BQI1525	BQI1525-BLK1	ND	ug/L	0.50		
Ethylbenzene	BQI1525	BQI1525-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BQI1525	BQI1525-BLK1	ND	ug/L	0.50		
Toluene	BQI1525	BQI1525-BLK1	ND	ug/L	0.50		
Total Xylenes	BQI1525	BQI1525-BLK1	ND	ug/L	0.50		
Ethanol	BQI1525	BQI1525-BLK1	ND	ug/L	250		
Total Purgeable Petroleum Hydrocarbons	BQI1525	BQI1525-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BQI1525	BQI1525-BLK1	102	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BQI1525	BQI1525-BLK1	99.8	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BQI1525	BQI1525-BLK1	101	%	86 - 115 (LCL - UCL)		



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

Project: 6419
Project Number: [none]
Project Manager: Anju Farfan

Reported: 10/03/2007 17:34

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
- A01 PQL's and MDL's are raised due to sample dilution.
- A90 TPPH does not exhibit a "gasoline" pattern. TPPH is entirely due to MTBE.

Submission #: 07-11145

Project Code:

TB Batch #

SHIPPING INFORMATION

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

SHIPPING CONTAINER

Ice Chest None
 Box Other (Specify)

Refrigerant: Ice Blue Ice None Other Comments:

Custody Seals Ice Chest Containers None Comments:

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

COC Received
 YES NO

Ice Chest ID R110
 Temperature: 7.1 °C
 Thermometer ID: #48

Emissivity 0.95
 Container VOCS

Date/Time 9/24/07
 Analyst Init OTD

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										
100ml TOTAL ORGANIC CARBON										
QT TOX										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	AB	A13	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 QA/QC										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments:
 Sample Numbering Completed By: OTD Date/Time: 9/24/07 2350

BC LABORATORIES, INC.

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

CHAIN OF CUSTODY

07-1145

Analysis Requested

Bill to: Conoco Phillips/ TRC		Consultant Firm: TRC		MATRIX (GW) Ground-water (S) Soil (WW) Waste-water (SL) Sludge	BTEX/MTBE by 8021B, Gas by 8015	TPH GAS by 8015M	TPH DIESEL by 8015	8260 full list w/ oxygenates	BTEX/MTBE/OXYS BY 8260B	ETHANOL by 8260B	TPH -G by GC/MS	BTEX/MTBE by 8260B	Turnaround Time Requested
Address: 6401 Dublin		21 Techology Drive Irvine, CA 92618-2302 Attn: Anju Farfan											
City: Dublin		4-digit site#: 6419											
State: CA Zip:		Workorder # 02527-4507923488											
Conoco Phillips Mgr: Keith Woodburn		Project #: 6419											
Sampler Name: RAY													
Lab#	Sample Description	Field Point Name	Date & Time Sampled										
	-1	MW-1	9-21-07 1302	GW						X	X	X	
	-2	MW-3	↓ 1314	↓						X	X	X	
	-3	MW-5	↓ 1334	↓						X	X	X	
				CHK BY		DISTRIBUTION							
				JLW		JLW							
						SUB-OUT							

Comments: Run 8 OXY by 8260 on 8260 MTBE kit on MW-1 only GLOBAL ID: Tol600101443	Relinquished by: (Signature) <i>R. McDaniel</i>	Received by: <i>Refer</i>	Date & Time 9-21-07 1504
	Relinquished by: (Signature) <i>Adrian</i>	Received by: <i>Ross Dickey</i>	Date & Time 9/24/07 1400
	Relinquished by: (Signature) <i>Ross Dickey 9/24/07</i>	Received by: <i>Riley</i>	Date & Time 9-24-07 1800
	Riley 9-24-07 2100		Teri Obakeri 9/24/07 2100

(A) = ANALYSIS (C) = CONTAINER

(P) = PRESERVATIVE

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.