R0409

TRC

Customer-Focused Solutions

June 8, 2004

ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

ATTN: MR. THOMAS H. KOSEL

SITE: 76 STATION 1156
4276 MACARTHUR BOULEVARD
OAKLAND, CALIFORNIA

RE: QUARTERLY MONITORING REPORT
APRIL THROUGH JUNE 2004

Dear Mr. Kosel:

Please find enclosed our Quarterly Monitoring Report for 76 Station 1156, located 4276 MacArthur Boulevard, Oakland, California. If you have any questions regarding this report, please call us at (949) 753-0101.

Sincerely,

TRC

Anju Farfan

Anju Farfan
QMS Operations Manager

CC: Mr. Donald Hwang, Alameda County Health Care Services
Mr. Bob Hale, Alameda County Public Works Agency
Mr. Jed Douglas, Miller Brooks Environmental Inc.

Enclosures
20-0400/1156R03.QMS

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

TRC

Customer-Focused Solutions

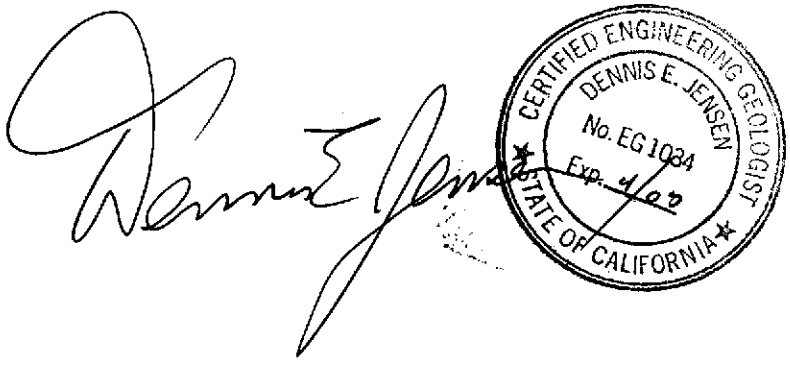
QUARTERLY MONITORING REPORT
APRIL THROUGH JUNE 2004

76 STATION 1156
4276 MacArthur Boulevard
Oakland, California

Prepared For:

Mr. Thomas H. Kosel
CONOCOPHILLIPS COMPANY
76 Broadway
Sacramento, California 95818

By:



Senior Project Geologist, Irvine Operations
June 8, 2004

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

QUARTERLY MONITORING REPORT

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Figures	Figure 1: Vicinity Map Figure 2: Groundwater Elevation Contour Map Figure 3: Dissolved-Phase TPH-G Concentration Map Figure 4: Dissolved-Phase Benzene Concentration Map Figure 5: Dissolved-Phase MTBE Concentration Map
Graphs	MTBE Concentrations vs. Time Hydrographs
Field Activities	General Field Procedures Groundwater Sampling Field Notes
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
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Summary of Gauging and Sampling Activities
April 2004 through June 2004
76 Station 1156
4276 MacArthur
Oakland, CA

Site Information:

Site:	76 Station 4276 MacArthur Oakland, CA
Project Coordinator/Phone Number:	Thomas Kosel/916-558-7666
Groundwater wells onsite:	4
Groundwater wells offsite:	3

Field Activity:

Sampling consultant:	TRC
Date(s) sampled:	04/28/04
Groundwater wells gauged:	7
Groundwater wells sampled:	7
Purging method:	diaphragm pump
Treatment/disposal method during sampling event:	Onyx/Rodeo Unit 100
Free product pumpouts other than sampling event:	No
Treatment/Disposal method during free product pumpouts:	N/A

Site Hydrogeology:

Minimum depth to groundwater (feet bgs):	2.01
Maximum depth to groundwater (feet bgs):	8.7
Average groundwater elevation (feet relative to mean sea level):	168.74
Average change in groundwater elevations since previous event (feet):	-0.07
Groundwater gradient and flow direction:	0.05 ft/ft, west
Previous gradient and/or flow direction (and date):	0.046 ft/ft, west (01/14/04)

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

Wells with benzene concentrations below MCL:	4
Wells with benzene concentrations at or above MCL:	3
Minimum benzene concentration (µg/l):	ND
Maximum benzene concentration (µg/l):	9000 (MW-1)
Minimum MTBE concentration (µg/l):	ND
Maximum MTBE concentration (µg/l):	22000 (MW-2)
Minimum TPH-G concentration (µg/l):	ND
Maximum TPH-G concentration (µg/l):	93000 (MW-1)
Groundwater wells with free product:	0
Minimum free product thickness (feet):	0
Maximum free product thickness (feet):	0

Additional Information:

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

TABLES

TABLE KEY

ABBREVIATIONS / SYMBOLS

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

NOTES

Elevations are in feet above mean sea level.

Groundwater elevation for wells with LPH is calculated as follows:

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

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

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

REFERENCE

TRC began groundwater monitoring and sampling activities in October 2003. Historical data 76 Station 1156 was provided by Gettler-Ryan Inc., Dublin, California, in an excel table received in September 2003.

Table 1

SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS

April 28, 2004

76 Station 1156

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-1		**(Screen Interval in feet: 5.0-25.0)**												
4/28/04	177.54	6.43	0.00	171.11	0.26	93000	--	9000	20000	1300	10000	1400	560	
MW-2		**(Screen Interval in feet: 5.0-25.0)**												
4/28/04	173.50	5.21	0.00	168.29	0.32	22000	--	ND<3	9.2	ND<3	ND<6	35000	22000	
MW-3		**(Screen Interval in feet: 5.0-25.0)**												
4/28/04	178.13	6.63	0.00	171.50	0.23	7300	--	250	440	580	1300	740	240	
MW-4		**(Screen Interval in feet: 5.0-25.0)**												
4/28/04	178.96	5.68	0.00	173.28	0.62	1200	--	200	5.3	21	13	490	310	
MW-5		**(Screen Interval in feet: DNA)**												
4/28/04	169.18	2.01	0.00	167.17	-0.01	760	--	ND<0.3	1.8	ND<0.3	ND<0.6	1200	790	
MW-6		**(Screen Interval in feet: DNA)**												
4/28/04	169.04	2.18	0.00	166.86	-0.18	ND<50	--	0.39	0.78	ND<0.3	ND<0.6	ND<1	ND<0.5	
MW-7		**(Screen Interval in feet: DNA)**												
4/28/04	171.64	8.70	0.00	162.94	-1.73	19000	--	ND<3	ND<3	ND<3	ND<6	30000	21000	

Table 2
HISTORIC GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS
July 1999 Through April 2004
76 Station 1156

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-1	**(Screen Interval in feet: 5.0-25.0)**													
1/7/00	174.86	9.05	0.02	165.82	--	7870	--	7410	13900	2070	9620	ND	--	GWE corrected
3/31/00	174.86	7.18	0.00	167.68	1.86	3600	--	10000	23000	3200	14000	ND	--	
7/14/00	174.86	7.68	0.00	167.18	-0.50	8580	--	8250	18700	3750	17800	ND	--	
10/3/00	174.86	7.99	0.00	166.87	-0.31	9260	--	8,760	20,000	3,350	15,600	ND	--	
1/3/01	174.86	9.18	0.00	165.68	-1.19	11000	--	5,800	13,000	1,700	8,100	2,200	--	
4/4/01	174.86	8.05	0.00	166.81	1.13	14000	--	7780	18500	2470	11800	ND	481	
7/17/01	174.86	7.01	0.00	167.85	1.04	2,200	--	5,600	11,000	2,800	12,000	ND	230	
10/3/01	177.54	7.89	0.00	169.65	1.80	--	--	8200	18000	3000	16000	ND<2,500	--	
10/5/01	177.54	7.91	0.00	169.63	-0.02	13000	--	--	--	--	--	--	--	
1/28/02	177.54	5.98	0.00	171.56	1.93	4400	--	8900	19000	2600	12000	3000	440	
4/25/02	177.54	6.19	0.00	171.35	-0.21	9,000	--	8100	18000	3000	15000	810	670	
7/18/02	177.54	6.99	0.00	170.55	-0.80	9,200	--	5,400	10,000	2,100	10,000	ND<500	620	
10/7/02	177.54	7.73	0.00	169.81	-0.74	3,400	--	9,200	20,000	2,600	13,000	1,300	760	
1/6/03	177.54	5.48	0.00	172.06	2.25	5,100	--	6,500	18,000	2,700	11,000	ND<1,000	790	
4/7/03	177.54	6.30	0.00	171.24	-0.82	2,800	--	7,000	15,000	2,400	11,000	1,000	800	
7/7/03	177.54	6.47	0.00	171.07	-0.17	7,000	--	6,400	11,000	2,600	11,000	600	530	
10/9/03	177.54	7.85	0.00	169.69	-1.38	91000	81000	8100	17000	3200	14000	--	660	Sampled for TPH-G by 8015M on 11/14/03.
1/14/04	177.54	6.69	0.00	170.85	1.16	98000	--	8000	21000	2600	15000	ND<1300	ND<800	
4/28/04	177.54	6.43	0.00	171.11	0.26	93000	--	9000	20000	1300	10000	1400	560	
MW-2	**(Screen Interval in feet: 5.0-25.0)**													
7/20/99	173.01	5.40	--	167.61	--	--	--	ND	ND	ND	ND	4500	11,000	
9/28/99	173.01	5.60	0.00	167.41	-0.20	--	--	124	ND	62.9	43.1	5280	6150	
1/7/00	173.01	5.92	0.00	167.09	-0.32	--	--	99	ND	23.8	16	33100	--	
3/31/00	173.01	5.23	0.00	167.78	0.69	--	--	42	ND	ND	ND	17000	--	

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-2 continued														
7/14/00	173.01	5.52	0.00	167.49	-0.29	--	--	44.7	ND	ND	ND	66,500	--	
10/3/00	173.01	6.04	0.00	166.97	-0.52	--	--	56.7	ND	ND	ND	57,500	--	
1/3/01	173.01	6.42	0.00	166.59	-0.38	--	--	ND	ND	ND	ND	49,000	--	
4/4/01	173.01	6.14	0.00	166.87	0.28	--	--	ND	ND	ND	ND	38700	37800	
7/17/01	173.01	5.30	0.00	167.71	0.84	--	--	ND	ND	ND	ND	65000	56000	
10/3/01	173.50	7.38	0.00	166.12	-1.59	--	--	2.7	ND<2.5	ND<2.5	ND<2.5	14000	18000	
1/28/02	173.50	5.68	0.00	167.82	--	--	--	2.5	4.4	2.8	7.4	11000	10000	
4/25/02	173.50	5.82	0.00	167.68	-0.14	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	8400	8100	
7/18/02	173.50	6.90	0.00	166.60	-1.08	--	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	4300	8800	
10/7/02	173.50	7.54	0.00	165.96	-0.64	--	--	ND<10	27	21	75	7100	5900	
1/6/03	173.50	6.79	0.00	166.71	0.75	--	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	31000	35000	
4/7/03	173.50	6.49	0.00	167.01	0.30	--	--	ND<10	14	11	38	2000	1500	
7/7/03	173.50	6.72	0.00	166.78	-0.23	--	--	ND<25	ND<25	ND<25	ND<25	5500	8300	
10/9/03	173.50	7.16	0.00	166.34	-0.44	3500	ND<5000	ND<50	ND<50	ND<50	ND<100	--	8500	Sampled for TPH-G by 8015M on 11/14/03.
1/14/04	173.50	5.53	0.00	167.97	1.63	3200	--	ND<25	ND<25	ND<25	ND<25	2600	3200	
4/28/04	173.50	5.21	0.00	168.29	0.32	22000	--	ND<3	9.2	ND<3	ND<6	35000	22000	
MW-3	**(Screen Interval in feet: 5.0-25.0)**													
7/20/99	178.44	8.50	--	169.94	--	--	--	76	52	79	76	330	--	
9/28/99	178.44	8.31	0.00	170.13	0.19	--	--	174	95.4	71.8	135	443	288	
1/7/00	178.44	8.56	0.00	169.88	-0.25	--	--	2450	3090	1560	3910	1940	--	
3/31/00	178.44	8.42	0.00	170.02	0.14	--	--	1300	2900	2600	3500	2800	--	
7/14/00	178.44	8.61	0.00	169.83	-0.19	--	--	1850	2630	2750	3900	548	--	
10/3/00	178.44	9.14	0.00	169.30	-0.53	--	--	1,910	2,020	2,400	2,680	965	--	
1/3/01	178.44	9.06	0.00	169.38	0.08	--	--	1,600	1,100	2,300	1,400	3,300	--	
4/4/01	178.44	8.98	0.00	169.46	0.08	--	--	1150	1470	2100	1820	1050	450	
7/17/01	178.44	7.46	0.00	170.98	1.52	--	--	1,500	2,100	2,100	3,400	ND	350	
10/3/01	178.13	9.81	0.00	168.32	-2.66	--	--	830	1,900	1,700	3,000	ND<1,000	--	
1/28/02	178.13	7.39	0.00	170.74	--	--	--	880	2,600	1,800	4,300	3200	210	

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-3 continued														
4/25/02	178.13	7.86	0.00	170.27	-0.47	--	--	500	2,000	1,300	3,800	500	260	
7/18/02	178.13	8.83	0.00	169.30	-0.97	--	--	1,800	3,800	2,200	8,000	ND<250	270	
10/7/02	178.13	9.71	0.00	168.42	-0.88	--	--	600	2,000	1,800	6,400	ND<120	ND<200	
1/6/03	178.13	7.40	0.00	170.73	2.31	--	--	800	2,100	2,000	6,400	440	110	
4/7/03	178.13	8.17	0.00	169.96	-0.77	--	--	660	2,200	1,900	6,300	440	100	
7/7/03	178.13	8.35	0.00	169.78	-0.18	--	--	1,200	2,500	2,700	8,300	280	100	
10/9/03	178.13	9.39	0.00	168.74	-1.04	3800	6000	120	260	390	1200	--	190	Sampled for TPH-G by 8015M on 11/14/03.
1/14/04	178.13	6.86	0.00	171.27	2.53	5100	--	120	240	310	720	190	230	
4/28/04	178.13	6.63	0.00	171.50	0.23	7300	--	250	440	580	1300	740	240	
MW-4	**(Screen Interval in feet: 5.0-25.0)**													
7/20/99	179.10	7.40	--	171.70	--	--	--	2.7	0.77	ND	7.1	100	--	
9/28/99	179.10	7.19	0.00	171.91	0.21	--	--	1250	72	51.3	133	416	459	
1/7/00	179.10	8.98	0.00	170.12	-1.79	--	--	2260	167	271	276	764	--	
3/31/00	179.10	7.26	0.00	171.84	1.72	--	--	1800	230	330	400	1000	--	
7/14/00	179.10	7.67	0.00	171.43	-0.41	--	--	2810	332	450	247	1530	--	
10/3/00	179.10	8.12	0.00	170.98	-0.45	--	--	3,110	437	519	816	1,040	--	
1/3/01	179.10	9.10	0.00	170.00	-0.98	--	--	2,500	340	480	960	850	--	
4/4/01	179.10	8.63	0.00	170.47	0.47	--	--	2380	126	416	725	1140	819	
7/17/01	179.10	6.49	0.00	172.61	2.14	--	--	2,300	110	410	800	1200	900	
10/3/01	178.96	7.01	0.00	171.95	-0.66	--	--	2,100	85	380	390	580	820	
1/28/02	178.96	6.21	0.00	172.75	--	--	--	2,100	130	350	670	1100	500	
4/25/02	178.96	5.49	0.00	173.47	0.72	--	--	1,300	42	270	250	680	600	
7/18/02	178.96	8.28	0.00	170.68	-2.79	--	--	1,300	71	290	220	530	760	
10/7/02	178.96	7.49	0.00	171.47	0.79	--	--	1,400	110	330	380	650	540	
1/6/03	178.96	6.36	0.00	172.60	1.13	--	--	1,100	57	260	320	370	520	
4/7/03	178.96	6.24	0.00	172.72	0.12	--	--	1,100	55	190	370	550	420	
7/7/03	178.96	6.43	0.00	172.53	-0.19	--	--	920	28	170	330	480	450	
10/9/03	178.96	7.97	0.00	170.99	-1.54	530	700	100	2.2	5.4	14	--	270	Sampled for TPH-G by 8015M on 11/14/03.

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-4 continued														
1/14/04	178.96	6.30	0.00	172.66	1.67	530	--	88	4.1	9.9	11	150	180	
4/28/04	178.96	5.68	0.00	173.28	0.62	1200	--	200	5.3	21	13	490	310	
MW-5	**(Screen Interval in feet: DNA)**													
10/3/01	169.18	2.81	0.00	166.37	--	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1800	2100	
1/28/02	169.18	1.88	0.00	167.30	--	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	650	550	
4/25/02	169.18	1.99	0.00	167.19	-0.11	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2200	2400	
7/18/02	169.18	2.49	0.00	166.69	-0.50	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	530	690	
10/7/02	169.18	2.80	0.00	166.38	-0.31	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	300	330	
1/6/03	169.18	1.86	0.00	167.32	0.94	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	410	350	
4/7/03	169.18	2.15	0.00	167.03	-0.29	--	--	0.53	ND<0.50	ND<0.50	ND<0.50	450	420	
7/7/03	169.18	2.26	0.00	166.92	-0.11	--	--	ND<1.2	ND<1.2	ND<1.2	ND<1.2	220	200	
10/9/03	169.18	2.72	0.00	166.46	-0.46	560	210	ND<1.0	ND<1.0	ND<1.0	ND<2.0	--	290	Sampled for TPH-G by 8015M on 11/14/03.
1/14/04	169.18	2.00	0.00	167.18	0.72	560	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	670	760	
4/28/04	169.18	2.01	0.00	167.17	-0.01	760	--	ND<0.3	1.8	ND<0.3	ND<0.6	1200	790	
MW-6	**(Screen Interval in feet: DNA)**													
10/3/01	169.04	2.87	0.00	166.17	--	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	200	270	
1/28/02	169.04	1.82	0.00	167.22	--	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
4/25/02	169.04	2.01	0.00	167.03	-0.19	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
7/18/02	169.04	2.44	0.00	166.60	-0.43	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
10/7/02	169.04	2.72	0.00	166.32	-0.28	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
1/6/03	169.04	1.90	0.00	167.14	0.82	--	--	0.62	1.2	1.2	3.5	ND<2.0	ND<2.0	
4/7/03	169.04	2.02	0.00	167.02	-0.12	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	46	--	
7/7/03	169.04	2.21	0.00	166.83	-0.19	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
10/9/03	169.04	2.71	0.00	166.33	-0.50	ND<50	ND<50	0.95	3.0	1.4	5.5	--	ND<2.0	Sampled for TPH-G by 8015M on 11/14/03.
1/14/04	169.04	2.00	0.00	167.04	0.71	ND<50	--	ND<0.50	0.57	ND<0.50	0.64	ND<5.0	ND<2.0	
4/28/04	169.04	2.18	0.00	166.86	-0.18	ND<50	--	0.39	0.78	ND<0.3	ND<0.6	ND<1	ND<0.5	
MW-7	**(Screen Interval in feet: DNA)**													
10/3/01	171.64	7.62	0.00	164.02	--	--	--	210	ND<50	ND<50	800	35000	40000	

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-7 continued														
1/28/02	171.64	7.21	0.00	164.43	--	--	--	ND<10	ND<10	ND<10	ND<10	42000	38000	
4/25/02	171.64	7.25	0.00	164.39	-0.04	--	--	660	ND<50	ND<50	ND<50	42000	45000	
7/18/02	171.64	8.12	0.00	163.52	-0.87	--	--	130	ND<50	ND<50	ND<50	51000	53000	
10/7/02	171.64	7.71	0.00	163.93	0.41	--	--	ND<50	ND<50	ND<50	ND<50	33000	38000	
1/6/03	171.64	7.63	0.00	164.01	0.08	ND<50	--	0.61	1.0	0.89	2.9	3900	3100	
4/7/03	171.64	7.58	0.00	164.06	0.05	--	--	ND<20	ND<20	ND<20	ND<20	32000	28000	
7/7/03	171.64	7.56	0.00	164.08	0.02	--	--	8.2	ND<0.50	1.2	ND<0.50	36000	45000	
10/9/03	171.64	7.72	0.00	163.92	-0.16	6800	ND<13000	ND<130	ND<130	ND<130	ND<250	--	20000	Sampled for TPH-G by 8015M on 11/14/03.
1/14/04	171.64	6.97	0.00	164.67	0.75	19000	--	ND<100	ND<100	ND<100	ND<100	20000	25000	
4/28/04	171.64	8.70	0.00	162.94	-1.73	19000	--	ND<3	ND<3	ND<3	ND<6	30000	21000	

Table 3
SUMMARY OF ADDITIONAL CHEMICAL ANALYSIS RESULTS
76 Station 1156

Date Sampled	TPH-D	EDC	Chloro-benzene	cis-1,2-DCE	EDB	Naphth-alene	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8015B	Ethanol 8260B	Bis(2-ethylhexyl) - phthalate	2-Methyl-phenol	4-Methyl-phenol
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-1															
1/7/00	72700	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/31/00	92000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/14/00	108000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/3/00	96000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/3/01	37000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/4/01	86900	--	--	--	ND	--	ND	ND	ND	ND	ND	--	--	--	--
7/17/01	79,000	--	--	--	ND	--	ND	ND	ND	ND	ND	--	--	--	--
10/3/01	99000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/28/02	110000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/25/02	93000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/18/02	69,000	--	5.9	1.3	ND<10	910	ND<10	ND<100	ND<10	ND<10	ND<2,500	--	120	13	25
10/7/02	82,000	--	--	--	ND<200	--	ND<200	ND<10,000	ND<200	ND<200	ND<50,000	--	--	--	--
1/6/03	82,000	--	--	--	ND<400	--	ND<400	ND<20,000	ND<400	ND<400	ND<100,000	--	--	--	--
4/7/03	74,000	--	--	--	ND<200	--	ND<200	ND<10,000	ND<200	ND<200	ND<50,000	--	--	--	--
7/7/03	60,000	--	ND<120	ND<120	ND<500	850	ND<500	ND<25,000	ND<500	ND<500	ND<120,000	--	70	ND<5.0	22
10/9/03	4300	ND<400	--	--	ND<400	--	ND<400	ND<20000	ND<400	ND<400	--	ND<100000	--	--	--
1/14/04	6200	ND<800	--	--	ND<800	--	ND<800	ND<40000	ND<800	ND<800	--	ND<200000	--	--	--
4/28/04	--	ND<50	--	--	ND<50	--	ND<1	800	ND<1	ND<1	--	ND<1000	--	--	--
MW-2															
7/20/99	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/28/99	1390	--	--	--	--	--	ND	ND	ND	ND	--	--	--	--	--
1/7/00	1450	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/31/00	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/14/00	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/3/00	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/3/01	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Date Sampled	TPH-D	EDC	Chloro-benzene	cis-1,2-DCE	EDB	Naphth-alene	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8015B	Ethanol 8260B	Bis(2-ethylhexyl) - phthalate	2-Methyl-phenol	4-Methyl-phenol
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-2 continued															
4/4/01	ND	--	--	--	ND	--	ND	ND	ND	ND	ND	--	--	--	--
7/17/01	ND	--	--	--	ND	--	ND	ND	ND	ND	ND	--	--	--	--
10/3/01	ND<250	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/28/02	ND<250	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/25/02	ND<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/18/02	ND<500	--	--	--	ND<100	--	ND<100	ND<1,000	ND<100	ND<100	ND<25,000	--	--	--	--
10/7/02	4,300	--	--	--	ND<400	--	ND<400	ND<20,000	ND<400	ND<400	ND<100,000	--	--	--	--
1/6/03	5,900	--	--	--	ND<1,000	--	ND<1,000	ND<50,000	ND<1,000	ND<1,000	ND<250,000	--	--	--	--
4/7/03	1,500	--	--	--	ND<40	--	ND<40	ND<2,000	ND<40	ND<40	ND<10,000	--	--	--	--
7/7/03	ND<2,500	--	--	--	ND<100	--	ND<100	ND<5,000	ND<100	ND<100	ND<25,000	--	--	--	--
10/9/03	--	ND<200	--	--	ND<200	--	ND<200	ND<10000	ND<200	ND<200	--	ND<50000	--	--	--
1/14/04	--	ND<50	--	--	ND<50	--	ND<50	ND<2500	ND<50	ND<50	--	ND<13000	--	--	--
4/28/04	--	ND<0.5	--	--	ND<0.5	--	11	13000	ND<1	ND<1	--	ND<1000	--	--	--
MW-3															
7/20/99	1000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/28/99	1860	--	--	--	--	--	8.8	ND	ND	ND	--	--	--	--	--
1/7/00	28400	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/31/00	26000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/14/00	24500	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/3/00	22000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/3/01	14000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/4/01	19600	--	--	--	ND	--	ND	ND	ND	ND	ND	--	--	--	--
7/17/01	26000	--	--	--	ND	--	ND	ND	ND	ND	ND	--	--	--	--
10/3/01	22000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/28/02	30000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/25/02	18,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/18/02	37,000	--	--	--	ND<5.0	--	ND<5.0	ND<50	ND<5.0	ND<5.0	ND<1,200	--	--	--	--
10/7/02	26,000	--	--	--	ND<200	--	ND<200	ND<10,000	ND<200	ND<200	ND<50,000	--	--	--	--
1/6/03	27,000	--	--	--	ND<80	--	ND<80	ND<4,000	ND<80	ND<80	23000	--	--	--	--

Date Sampled	TPH-D	EDC	Chloro-benzene	cis-1,2-DCE	EDB	Naphth-alene	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8015B	Ethanol 8260B	Bis(2-ethylhexyl) - phthalate	2-Methyl-phenol	4-Methyl-phenol
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-3 continued															
4/7/03	28,000	--	--	--	ND<80	--	ND<80	ND<4,000	ND<80	ND<80	ND<20,000	--	--	--	--
7/7/03	33,000	--	--	--	ND<40	--	ND<40	ND<2,000	ND<40	ND<40	ND<10,000	--	--	--	--
10/9/03	--	ND<20	--	--	ND<20	--	ND<20	ND<1000	ND<20	ND<20	--	ND<5000	--	--	--
1/14/04	--	ND<20	--	--	ND<20	--	ND<20	ND<1000	ND<20	ND<20	--	ND<5000	--	--	--
4/28/04	--	ND<3	--	--	ND<3	--	ND<1	ND<12	ND<1	ND<1	--	ND<1000	--	--	--
MW-4															
7/20/99	69	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/28/99	4050	--	--	--	--	--	ND	ND	ND	ND	--	--	--	--	--
1/7/00	7010	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/31/00	5500	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/14/00	7940	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/3/00	11400	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/3/01	8600	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/4/01	9950	--	--	--	ND	--	ND	ND	ND	ND	ND	--	--	--	--
7/17/01	10000	--	--	--	ND	--	ND	ND	ND	ND	ND	--	--	--	--
10/3/01	7800	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/28/02	12000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/25/02	3,300	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/18/02	4,800	--	--	--	ND<10	--	ND<10	ND<100	ND<10	ND<10	ND<2,500	--	--	--	--
10/7/02	5,100	--	--	--	ND<200	--	ND<200	ND<10,000	ND<200	ND<200	ND<50,000	--	--	--	--
1/6/03	5,600	--	--	--	ND<20	--	ND<20	ND<1,000	ND<20	ND<20	ND<5,000	--	--	--	--
4/7/03	5,100	--	--	--	ND<20	--	ND<20	ND<1,000	ND<20	ND<20	ND<5,000	--	--	--	--
7/7/03	3,000	--	--	--	ND<20	--	ND<20	ND<1,000	ND<20	ND<20	ND<5,000	--	--	--	--
10/9/03	--	ND<4.0	--	--	ND<4.0	--	ND<4.0	ND<200	ND<4.0	ND<4.0	--	ND<1000	--	--	--
1/14/04	--	6.5	--	--	ND<4.0	--	ND<4.0	ND<200	ND<4.0	ND<4.0	--	ND<1000	--	--	--
4/28/04	--	ND<0.5	--	--	ND<0.5	--	ND<1	150	ND<1	ND<1	--	ND<1000	--	--	--
MW-5															
10/3/01	ND<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1/28/02	ND<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Date Sampled	TPH-D	EDC	Chloro-benzene	cis-1,2-DCE	EDB	Naphth-alene	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8015B	Ethanol 8260B	Bis(2-ethylhexyl) - phthalate	2-Methyl-phenol	4-Methyl-phenol
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-7 continued															
7/7/03	990	--	--	--	ND<400	--	ND<400	27,000	ND<400	ND<400	ND<100,000	--	--	--	--
10/9/03	--	ND<500	--	--	ND<500	--	ND<500	ND<25000	ND<500	ND<500	--	ND<130000	--	--	--
1/14/04	--	ND<800	--	--	ND<800	--	ND<800	ND<40000	ND<800	ND<800	--	ND<200000	--	--	--
4/28/04	--	6.8	--	--	ND<0.5	--	12	9200	ND<1	ND<1	--	ND<1000	--	--	--

Table 3b
SUMMARY OF ADDITIONAL CHEMICAL ANALYSIS RESULTS
76 Station 1156

Date Sampled	1,2 DCE (µg/l)	2-Methylnaphthalene (µg/l)
MW-1		
1/7/00	--	--
3/31/00	--	--
7/14/00	--	--
10/3/00	--	--
1/3/01	--	--
4/4/01	ND	--
7/17/01	ND	--
10/3/01	--	--
1/28/02	--	--
4/25/02	--	--
7/18/02	ND<1.6	420
10/7/02	ND<200	--
1/6/03	ND<400	--
4/7/03	ND<200	--
7/7/03	ND<120	260
10/9/03	--	--
1/14/04	--	--
4/28/04	--	--
MW-2		
7/20/99	--	--
9/28/99	--	--
1/7/00	--	--
3/31/00	--	--
7/14/00	--	--
10/3/00	--	--
1/3/01	--	--

Date Sampled	1,2 DCE (µg/l)	2-Methylnaphthalene (µg/l)
MW-2 continued		
4/4/01	ND	--
7/17/01	ND	--
10/3/01	--	--
1/28/02	--	--
4/25/02	--	--
7/18/02	ND<100	--
10/7/02	ND<400	--
1/6/03	ND<1,000	--
4/7/03	ND<40	--
7/7/03	ND<100	--
10/9/03	--	--
1/14/04	--	--
4/28/04	--	--
MW-3		
7/20/99	--	--
9/28/99	--	--
1/7/00	--	--
3/31/00	--	--
7/14/00	--	--
10/3/00	--	--
1/3/01	--	--
4/4/01	ND	--
7/17/01	ND	--
10/3/01	--	--
1/28/02	--	--
4/25/02	--	--
7/18/02	ND<5.0	--
10/7/02	ND<200	--
1/6/03	ND<80	--

Date Sampled	1,2 DCE (µg/l)	2-Methylnaphthalene (µg/l)
MW-3	continued	
4/7/03	ND<80	--
7/7/03	ND<40	--
10/9/03	--	--
1/14/04	--	--
4/28/04	--	--
MW-4		
7/20/99	--	--
9/28/99	--	--
1/7/00	--	--
3/31/00	--	--
7/14/00	--	--
10/3/00	--	--
1/3/01	--	--
4/4/01	ND	--
7/17/01	ND	--
10/3/01	--	--
1/28/02	--	--
4/25/02	--	--
7/18/02	49	--
10/7/02	ND<200	--
1/6/03	ND<20	--
4/7/03	ND<20	--
7/7/03	ND<20	--
10/9/03	--	--
1/14/04	--	--
4/28/04	--	--
MW-5		
10/3/01	--	--
1/28/02	--	--

Date Sampled	1,2 DCE (µg/l)	2-Methylnaphthalene (µg/l)
MW-5 continued		
4/25/02	--	--
7/18/02	ND<2.0	--
10/7/02	ND<2.0	--
1/6/03	1.4	ND<5.0
4/7/03	ND<10	--
7/7/03	ND<4.0	--
10/9/03	--	--
1/14/04	--	--
4/28/04	--	--
MW-6		
10/3/01	--	--
1/28/02	--	--
4/25/02	--	--
7/18/02	ND<2.0	--
10/7/02	ND<2.0	--
1/6/03	ND<2.0	--
4/7/03	ND<2.0	--
7/7/03	ND<2.0	--
10/9/03	--	--
1/14/04	--	--
4/28/04	--	--
MW-7		
10/3/01	--	--
1/28/02	--	--
4/25/02	--	--
7/18/02	ND<20	--
10/7/02	ND<400	--
1/6/03	ND<50	ND<5.0
4/7/03	ND<800	--

Date Sampled	1,2 DCE (µg/l)	2-Methylnaph-thalene (µg/l)
MW-7	continued	
7/7/03	ND<400	--
10/9/03	--	--
1/14/04	--	--
4/28/04	--	--

COORDINATED EVENT DATA

WELL CONCENTRATIONS
Shell-branded Service Station
4255 MacArthur Boulevard
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)	ORP Reading (mV)
MW-1	11/17/1993	410	21	11	7.9	47	NA	NA	NA	NA	NA	NA	NA	175.79	8.59	NA	167.20	NA	NA	NA
MW-1	01/20/1994	1,200	180	19	48	47	NA	NA	NA	NA	NA	NA	NA	175.79	8.22	NA	167.57	NA	NA	NA
MW-1	04/25/1994	3,100	610	<10	130	27	NA	NA	NA	NA	NA	NA	NA	175.79	7.63	NA	168.16	NA	NA	NA
MW-1	07/07/1994	2,400	1,000	10	250	20	NA	NA	NA	NA	NA	NA	NA	175.79	8.31	NA	167.48	NA	NA	NA
MW-1	10/27/1994	2,200	500	3.1	72	1.8	NA	NA	NA	NA	NA	NA	NA	175.79	8.84	NA	166.95	NA	NA	NA
MW-1	11/17/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	175.79	7.60	NA	168.19	NA	NA	NA
MW-1	11/28/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	175.79	7.56	NA	168.23	NA	NA	NA
MW-1	01/13/1995	570	75	2.5	6.7	11	NA	NA	NA	NA	NA	NA	NA	175.79	7.11	NA	168.68	NA	NA	NA
MW-1	04/12/1995	1,800	480	<5.0	79	<5.0	NA	NA	NA	NA	NA	NA	NA	175.79	7.08	NA	168.71	NA	NA	NA
MW-1	07/25/1995	120	15	1.1	2.1	2.9	NA	NA	NA	NA	NA	NA	NA	175.79	7.73	NA	168.06	NA	NA	NA
MW-1 (D)	07/25/1995	300	88	2.4	11	6.5	NA	NA	NA	NA	NA	NA	NA	175.79	7.73	NA	168.06	NA	NA	NA
MW-1	10/18/1995	130	9.5	0.8	1.3	1.7	NA	NA	NA	NA	NA	NA	NA	175.79	8.42	NA	167.37	NA	NA	NA
MW-1 (D)	10/18/1995	120	11	0.8	1.4	1.8	NA	NA	NA	NA	NA	NA	NA	175.79	8.42	NA	167.37	NA	NA	NA
MW-1	01/17/1996	250	22	0.9	1.6	2.3	NA	NA	NA	NA	NA	NA	NA	175.79	7.83	NA	167.96	NA	NA	NA
MW-1	04/25/1996	<50	4.6	<0.5	<0.5	0.6	500b	NA	NA	NA	NA	NA	NA	175.79	7.35	NA	168.44	NA	NA	NA
MW-1	07/17/1996	<250	15	<2.5	<2.5	<2.5	540	NA	NA	NA	NA	NA	NA	175.79	7.70	NA	168.09	NA	NA	NA
MW-1	10/01/1996	1,200	500	12	57	82	1,900	NA	NA	NA	NA	NA	NA	175.79	8.07	NA	167.72	NA	NA	NA
MW-1	01/22/1997	640	170	4.3	33	33	1,200	NA	NA	NA	NA	NA	NA	175.79	7.21	NA	168.58	NA	NA	NA
MW-1	04/08/1997	<200	34	<2.0	3.3	4.3	950	NA	NA	NA	NA	NA	NA	175.79	7.75	NA	168.04	NA	NA	NA
MW-1 (D)	04/08/1997	<200	66	<2.0	6.4	8	740	NA	NA	NA	NA	NA	NA	175.79	7.75	NA	168.04	NA	NA	NA
MW-1	07/08/1997	190	49	1.2	5.8	8.6	560	NA	NA	NA	NA	NA	NA	175.79	8.01	NA	167.78	NA	NA	NA
MW-1	10/08/1997	<100	7	<1.0	<1.0	<1.0	620	NA	NA	NA	NA	NA	NA	175.79	8.10	NA	167.69	NA	NA	NA
MW-1	01/09/1998	970	390	12	48	71	1,200	NA	NA	NA	NA	NA	NA	175.79	7.14	NA	168.65	NA	NA	NA
MW-1	04/13/1998	<50	136	<0.50	1.5	1.8	170	NA	NA	NA	NA	NA	NA	175.79	6.78	NA	169.01	NA	NA	NA
MW-1	07/17/1998	2,500	750	11	88	67	150	NA	NA	NA	NA	NA	NA	175.79	7.28	NA	168.51	NA	NA	NA
MW-1	10/02/1998	8,000	970	36	270	440	35	NA	NA	NA	NA	NA	NA	175.79	7.77	NA	168.02	NA	NA	NA
MW-1	02/03/1999	210	56	0.82	<0.50	3.2	220	NA	NA	NA	NA	NA	NA	175.79	7.45	NA	168.34	NA	1.4	NA
MW-1	04/29/1999	<50	4.5	<0.50	0.56	<0.50	140	196	NA	NA	NA	NA	NA	175.79	7.58	NA	168.21	NA	1.2	140
MW-1	07/23/1999	<50.0	<0.500	<0.500	<0.500	<0.500	120	111*	NA	NA	NA	NA	NA	175.79	8.51	NA	167.28	NA	1.0	NA
MW-1	11/01/1999	<50.0	<0.500	<0.500	<0.500	<0.500	2.90	NA	NA	NA	NA	NA	NA	175.79	8.30	NA	167.49	NA	1.4	-71
MW-1	01/17/2000	<50	<0.50	<0.50	<0.50	<0.50	3.30	NA	NA	NA	NA	NA	NA	175.79	8.04	NA	167.75	NA	16.9	64
MW-1	04/17/2000	<50.0	1.08	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	175.79	8.00	NA	167.79	NA	1.8	112
MW-1	07/26/2000	125	54.3	2.16	5.45	9.86	33.1	NA	NA	NA	NA	NA	NA	175.79	7.52	NA	168.27	NA	13.2	-140
MW-1	10/12/2000	101	40.7	2.68	3.00	5.18	25.0	NA	NA	NA	NA	NA	NA	175.79	7.71	NA	168.08	NA	>20	534

WELL CONCENTRATIONS
Shell-branded Service Station
4255 MacArthur Boulevard
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)	ORP Reading (mV)
MW-1	01/15/2001	<50.0	0.633	<0.500	0.505	1.74	<2.50	NA	NA	NA	NA	NA	NA	175.79	7.33	NA	168.46	NA	16.9	-127
MW-1	04/09/2001	<50.0	<0.500	<0.500	<0.500	0.927	<2.50	NA	NA	NA	NA	NA	NA	175.79	7.68	NA	168.11	NA	12.8	-117
MW-1	07/24/2001	<50	4.0	0.65	0.53	1.3	NA	<5.0	NA	NA	NA	NA	NA	175.79	8.00	NA	167.79	NA	>20	43
MW-1	10/31/2001	<50	4.4	<0.50	<0.50	0.98	NA	<5.0	NA	NA	NA	NA	NA	175.79	7.94	NA	167.85	NA	13.6	123
MW-1	01/10/2002	<50	2.2	<0.50	<0.50	1.2	NA	6.1	NA	NA	NA	NA	NA	175.79	7.63	NA	168.16	NA	0.1	63
MW-1	04/25/2002	<50	2.0	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	175.79	7.76	NA	168.03	NA	0.3	54
MW-1	07/18/2002	<50	6.1	<0.50	<0.50	0.98	NA	<5.0	NA	NA	NA	NA	NA	175.79	8.29	NA	167.50	NA	1.1	32
MW-1	10/07/2002	500	17	14	11	60	NA	9.0	NA	NA	NA	NA	NA	175.76	8.34	NA	167.42	NA	2.8	-26
MW-1	01/06/2003	<50	12	<0.50	0.73	0.58	NA	14	NA	NA	NA	NA	NA	175.76	7.18	NA	168.58	NA	0.5	-22
MW-1	04/07/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	12	NA	NA	NA	<5.0	NA	175.76	7.75	NA	168.01	NA	0.7	-24
MW-1	07/07/2003	<50	6.6	<0.50	<0.50	<1.0	NA	8.1	NA	NA	NA	<5.0	NA	175.76	7.75	NA	168.01	NA	0.5	16
MW-1	10/09/2003	<50	1.9	<0.50	<0.50	<1.0	NA	22	NA	NA	NA	<5.0	NA	175.76	8.45	NA	167.31	NA	0.7	80
MW-1	01/14/2004	<100	19	<1.0	<1.0	<2.0	NA	180	NA	NA	NA	63	NA	175.76	7.45	NA	168.31	NA	0.8	242
MW-1	**04/28/2004**	**<50**	**2.1**	**<0.50**	**<0.50**	**<1.0**	**NA**	**110**	**NA**	**NA**	**NA**	**33**	**NA**	**175.76**	**8.25**	**NA**	**167.51**	**NA**	**0.5**	**64**
MW-2	11/17/1993	31,000	9,400	4,600	1,000	3,900	NA	NA	NA	NA	NA	NA	NA	170.91	12.31	NA	158.60	NA	NA	NA
MW-2	01/20/1994	40,000	6,900	5,600	780	4,100	NA	NA	NA	NA	NA	NA	NA	170.91	11.48	NA	159.43	NA	NA	NA
MW-2 (D)	01/20/1994	41,000	7,200	6,200	900	4,800	NA	NA	NA	NA	NA	NA	NA	170.91	11.48	NA	159.43	NA	NA	NA
MW-2	04/25/1994	60,000	9,300	6,100	1,400	6,200	NA	NA	NA	NA	NA	NA	NA	170.91	10.84	NA	160.07	NA	NA	NA
MW-2	07/07/1994	280,000a	40,000	26,000	8,100	32,000	NA	NA	NA	NA	NA	NA	NA	170.91	11.89	NA	159.02	NA	NA	NA
MW-2 (D)	07/07/1994	53,000	13,000	6,600	2,000	8,400	NA	NA	NA	NA	NA	NA	NA	170.91	11.89	NA	159.02	NA	NA	NA
MW-2	10/27/1994	130,000	14,000	12,000	2,400	13,000	NA	NA	NA	NA	NA	NA	NA	170.91	12.89	NA	158.02	NA	NA	NA
MW-2 (D)	10/27/1994	390,000	8,800	7,000	1,700	11,000	NA	NA	NA	NA	NA	NA	NA	170.91	12.89	NA	158.02	NA	NA	NA
MW-2	11/17/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.91	9.11	NA	161.80	NA	NA	NA
MW-2	11/28/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.91	9.22	NA	161.69	NA	NA	NA
MW-2	01/13/1995	75,000	5,900	12,000	3,100	17,000	NA	NA	NA	NA	NA	NA	NA	170.91	8.10	NA	162.81	NA	NA	NA
MW-2	04/12/1995	100,000	8,500	11,000	2,400	12,000	NA	NA	NA	NA	NA	NA	NA	170.91	10.12	NA	160.79	NA	NA	NA
MW-2 (D)	04/12/1995	60,000	4,200	9,300	2,500	12,000	NA	NA	NA	NA	NA	NA	NA	170.91	10.12	NA	160.79	NA	NA	NA
MW-2	07/25/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.91	11.53	NA	159.80	0.52	NA	NA
MW-2	10/18/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.91	14.02	NA	156.99	0.13	NA	NA
MW-2	01/17/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.91	10.27	NA	160.78	0.17	NA	NA
MW-2	04/25/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.91	11.68	NA	159.25	0.03	NA	NA
MW-2	07/17/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.91	12.78	NA	158.81	0.48	NA	NA
MW-2	10/01/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.91	14.21	NA	156.70	0.28	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)	ORP Reading (mV)
MW-2	01/22/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.91	10.92	NA	160.08	0.11	NA	NA
MW-2	04/08/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.91	14.12	NA	156.95	0.20	NA	NA
MW-2	07/08/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.91	14.98	NA	156.08	0.19	NA	NA
MW-2	10/08/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.91	12.97	NA	157.98	0.05	NA	NA
MW-2	01/08/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.91	12.54	NA	158.43	0.08	NA	NA
MW-2	04/13/1998	180,000	2,800	5,200	2,400	13,000	71,000	NA	NA	NA	NA	NA	NA	170.91	10.05	NA	160.86	NA	NA	NA
MW-2	07/17/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.91	11.75	NA	159.24	0.10	NA	NA
MW-2	10/02/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.91	16.78	NA	154.22	0.11	NA	NA
MW-2	02/03/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.91	9.90	9.82	161.07	0.08	NA	NA
MW-2	04/29/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.91	9.86	9.81	161.09	0.05	NA	NA
MW-2	07/23/1999	65,800	6,500	4,480	1,960	8,960	46,600	58,500*	NA	NA	NA	NA	NA	170.91	14.45	NA	156.46	NA	1.4	NA
MW-2	11/01/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.91	11.84	11.81	159.09	0.03	NA	NA
MW-2	01/17/2000	46,000	6,000	2,400	1,500	5,500	50,000	31,000	NA	NA	NA	NA	NA	170.91	11.00	NA	159.91	NA	1.3	-54
MW-2	04/17/2000	96,300	8,150	10,200	2,820	14,900	112,000	108,000	NA	NA	NA	NA	NA	170.91	11.06	NA	159.85	NA	2.6	125
MW-2	07/26/2000	72,400	8,680	5,620	2,810	13,400	66,200	46,300	NA	NA	NA	NA	NA	170.91	12.82	NA	158.09	NA	2.2	113
MW-2	10/12/2000	63,200	5,840	4,180	2,310	11,100	61,200	66,600	NA	NA	NA	NA	NA	170.91	11.32	NA	159.59	NA	0.4	55
MW-2	01/15/2001	59,700	2,630	4,800	2,050	11,500	44,400	5,080	NA	NA	NA	NA	NA	170.91	10.19	NA	160.72	NA	1.1	-22
MW-2	04/09/2001	56,900	1,860	2,550	1,810	9,720	40,000	46,600	NA	NA	NA	NA	NA	170.91	11.15	NA	159.76	NA	1.0	-55
MW-2	07/24/2001	84,000	3,000	4,600	2,500	13,000	NA	41,000	NA	NA	NA	NA	NA	170.91	11.67	NA	159.24	NA	0.2	53
MW-2	10/31/2001	45,000	2,200	3,000	1,500	7,700	NA	29,000	<50	<50	<50	51,000	<500	170.91	11.04	NA	159.87	NA	1.2	-17
MW-2	01/10/2002	28,000	840	740	760	3,300	NA	32,000	NA	NA	NA	NA	NA	170.91	9.58	NA	161.33	NA	2.1	-76
MW-2	04/25/2002	41,000	1,900	2,000	1,200	6,900	NA	17,000	NA	NA	NA	NA	NA	170.91	11.40	NA	159.51	NA	0.8	-95
MW-2	07/18/2002	87,000	2,000	2,200	1,400	10,000	NA	19,000	NA	NA	NA	NA	NA	170.91	12.68	NA	158.23	NA	0.7	-34
MW-2	10/07/2002	110,000	3,900	6,700	2,700	15,000	NA	20,000	NA	NA	NA	NA	NA	170.88	11.58	NA	159.30	NA	1.4	-52
MW-2	01/06/2003	65,000	2,400	3,500	1,400	8,600	NA	26,000	NA	NA	NA	NA	NA	170.88	9.09	NA	161.79	NA	0.4	40
MW-2	04/07/2003	57,000	1,900	2,500	1,700	8,600	NA	37,000	NA	NA	NA	34,000	NA	170.88	11.08	NA	159.80	NA	1.0	60
MW-2	07/07/2003	34,000	4,000	4,200	1,600	8,500	NA	51,000	NA	NA	NA	44,000	NA	170.88	11.27	NA	159.61	NA	1.3	-17
MW-2	10/09/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.88	11.64	11.61	159.26	0.03	NA	NA
MW-2	10/20/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.88	11.88	11.84	159.03	0.04	NA	NA
MW-2	01/14/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.88	10.96	10.95	159.93	0.01	NA	NA
MW-2	**04/28/2004**	**35,000**	**2,200**	**2,200**	**2,300**	**8,200**	**NA**	**26,000**	**NA**	**NA**	**NA**	**28,000**	**NA**	**170.88**	**11.05**	**NA**	**159.83**	**NA**	**0.1**	**-96**
MW-3	11/17/1993	18,000	5,400	660	720	2,200	NA	NA	NA	NA	NA	NA	NA	174.61	15.40	NA	159.21	NA	NA	NA
MW-3	01/20/1994	55,000	13,000	2,600	2,200	6,500	NA	NA	NA	NA	NA	NA	NA	174.61	14.61	NA	160.00	NA	NA	NA

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)	ORP Reading (mV)
MW-3	04/25/1994	96,000	11,000	1,600	3,100	9,990	NA	NA	NA	NA	NA	NA	NA	174.61	13.12	NA	161.49	NA	NA	NA
MW-3 (D)	04/25/1994	78,000	12,000	1,900	2,600	7,300	NA	NA	NA	NA	NA	NA	NA	174.61	13.12	NA	161.49	NA	NA	NA
MW-3	07/07/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	174.61	14.54	NA	160.07	0.02	NA	NA
MW-3	10/27/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	174.61	15.62	NA	159.03	0.05	NA	NA
MW-3	11/17/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	174.61	13.83	NA	160.78	NA	NA	NA
MW-3	11/28/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	174.61	14.02	NA	160.59	NA	NA	NA
MW-3	01/13/1995	180,000	3,200	2,700	1,700	5,200	NA	NA	NA	NA	NA	NA	NA	174.61	12.13	NA	162.48	NA	NA	NA
MW-3 (D)	01/13/1995	23,000	4,000	690	960	3,000	NA	NA	NA	NA	NA	NA	NA	174.61	12.13	NA	162.48	NA	NA	NA
MW-3	04/12/1995	56,000	8,700	1,500	2,100	6,300	NA	NA	NA	NA	NA	NA	NA	174.61	12.96	NA	161.65	NA	NA	NA
MW-3	07/25/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	174.61	14.28	NA	160.38	0.06	NA	NA
MW-3	10/18/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	174.61	15.88	NA	158.77	0.05	NA	NA
MW-3	01/17/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	174.61	13.86	NA	160.94	0.24	NA	NA
MW-3	04/25/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	174.61	13.82	NA	160.81	0.02	NA	NA
MW-3	07/17/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	174.61	16.11	NA	158.52	0.03	NA	NA
MW-3	10/01/1996	46,000	7,300	530	1,700	3,900	3,200	NA	NA	NA	NA	NA	NA	174.61	16.56	NA	158.05	NA	NA	NA
MW-3 (D)	10/01/1996	47,000	7,100	530	1,700	4,000	2,900	NA	NA	NA	NA	NA	NA	174.61	16.56	NA	158.05	NA	NA	NA
MW-3	01/22/1997	82,000	5,200	1,300	2,800	8,900	1,100	NA	NA	NA	NA	NA	NA	174.61	13.07	NA	161.54	NA	NA	NA
MW-3 (D)	01/22/1997	61,000	8,400	1,100	2,300	7,000	2,700	NA	NA	NA	NA	NA	NA	174.61	13.07	NA	161.54	NA	NA	NA
MW-3	04/08/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	174.61	17.09	NA	157.54	0.03	NA	NA
MW-3	07/08/1997	56,000	8,800	580	2,000	4,900	2,800	NA	NA	NA	NA	NA	NA	174.61	15.85	NA	158.76	NA	NA	NA
MW-3	10/08/1997	48,000	8,000	590	1,700	3,400	5,100	NA	NA	NA	NA	NA	NA	174.61	16.22	NA	158.39	NA	NA	NA
MW-3	01/08/1998	47,000	9,400	810	2,300	4,700	6,300	NA	NA	NA	NA	NA	NA	174.61	13.80	NA	160.81	NA	NA	NA
MW-3 (D)	01/08/1998	48,000	8,100	750	2,000	4,100	5,800	NA	NA	NA	NA	NA	NA	174.61	13.80	NA	160.81	NA	NA	NA
MW-3	04/13/1998	32,000	6,800	540	1,400	3,400	4,000	NA	NA	NA	NA	NA	NA	174.61	12.97	NA	161.64	NA	NA	NA
MW-3 (D)	04/13/1998	36,000	7,300	660	1,600	3,700	4,000	NA	NA	NA	NA	NA	NA	174.61	12.97	NA	161.64	NA	NA	NA
MW-3	07/17/1998	71,000	11,000	590	2,200	6,900	3,900	NA	NA	NA	NA	NA	NA	174.61	11.51	NA	163.10	NA	NA	NA
MW-3 (D)	07/17/1998	76,000	12,000	700	2,600	8,000	3,000	NA	NA	NA	NA	NA	NA	174.61	11.51	NA	163.10	NA	NA	NA
MW-3	10/02/1998	66,000	8,900	510	2,000	4,900	4,600	NA	NA	NA	NA	NA	NA	174.61	16.50	NA	158.11	NA	NA	NA
MW-3 (D)	10/02/1998	59,000	9,400	460	2,000	4,900	4,700	NA	NA	NA	NA	NA	NA	174.61	16.50	NA	158.11	NA	NA	NA
MW-3	02/03/1999	36,000	6,800	300	1,600	2,900	18,000	NA	NA	NA	NA	NA	NA	174.61	15.21	NA	159.40	NA	1.3	NA
MW-3	04/29/1999	45,000	8,100	580	2,200	5,800	4,700	5,150	NA	NA	NA	NA	NA	174.61	15.43	NA	159.18	NA	1.5	-68
MW-3	07/23/1999	29,400	3,540	215	810	3,800	4,720	6,950*	NA	NA	NA	NA	NA	174.61	14.95	NA	159.66	NA	1.3	NA
MW-3	11/01/1999	20,000	4,190	294	1,060	1,740	5,540	8,590	NA	NA	NA	NA	NA	174.61	14.66	NA	159.95	NA	0.6	-110
MW-3	01/17/2000	17,000	3,900	89	1,100	1,200	7,900	NA	NA	NA	NA	NA	NA	174.61	13.94	NA	160.67	NA	1.3	-40

WELL CONCENTRATIONS
Shell-branded Service Station
4255 MacArthur Boulevard
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)	ORP Reading (mV)
MW-3	04/17/2000	28,100	5,240	247	1,540	2,750	16,600	NA	NA	NA	NA	NA	NA	174.61	14.00	NA	160.61	NA	1.1	-86
MW-3	07/26/2000	24,300	6,680	159	1,610	1,640	17,100	NA	NA	NA	NA	NA	NA	174.61	13.72	NA	160.89	NA	0.9	-70
MW-3	10/12/2000	14,300	2,630	86.7	241	1,360	16,300	NA	NA	NA	NA	NA	NA	174.61	14.15	NA	160.46	NA	0.9	50
MW-3	01/15/2001	22,100	4,400	266	977	2,990	13,200	NA	NA	NA	NA	NA	NA	174.61	13.05	NA	161.56	NA	1.3	-40
MW-3	04/09/2001	33,600	7,100	147	1,700	2,660	13,000	NA	NA	NA	NA	NA	NA	174.61	13.59	NA	161.02	NA	0.6	-56
MW-3	07/24/2001	220,000	5,600	1,900	4,400	19,000	NA	12,000	NA	NA	NA	NA	NA	174.61	14.43	NA	160.18	NA	0.4	29
MW-3	10/31/2001	65,000	2,700	510	1,800	7,200	NA	9,800	<20	<20	<20	5,200	<500	174.61	14.59	NA	160.02	NA	0.9	-27
MW-3	01/10/2002	66,000	2,400	490	1,700	6,600	NA	5,500	NA	NA	NA	NA	NA	174.61	12.65	NA	161.96	NA	1.7	-76
MW-3	04/25/2002	55,000	4,600	460	2,400	6,900	NA	8,100	NA	NA	NA	NA	NA	174.61	14.13	NA	160.48	NA	1.2	-96
MW-3	07/18/2002	56,000	3,300	270	1,700	5,000	NA	8,400	NA	NA	NA	NA	NA	174.61	15.48	15.45	159.15	0.03	0.8	-41
MW-3	10/07/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	174.59	14.60	14.40	160.15	0.20	NA	NA
MW-3	01/06/2003	57,000	3,200	330	1,800	5,400	NA	5,100	NA	NA	NA	NA	NA	174.59	11.62	11.60	162.99	0.02	0.4	33
MW-3	04/07/2003	57,000	6,200	500	2,400	6,700	NA	8,200	NA	NA	NA	3,900	NA	174.59	13.80	NA	160.79	NA	0.5	61
MW-3	07/07/2003	28,000	4,900	300	1,500	4,100	NA	7,900	NA	NA	NA	4,700	NA	174.59	14.00	NA	160.59	NA	1.0	-11
MW-3	10/09/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	174.59	14.44	14.36	160.21	0.08	NA	NA
MW-3	10/20/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	174.59	14.68	14.61	159.97	0.07	NA	NA
MW-3	01/14/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	174.59	12.47	12.45	162.14	0.02	NA	NA
MW-3	**04/28/2004**	**32,000**	**7,300**	**190**	**2,100**	**4,300**	**NA**	**3,700**	**NA**	**NA**	**NA**	**2,500**	**NA**	**174.59**	**13.66**	**NA**	**160.93**	**NA**	**0.1**	**-16**
MW-4	11/17/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	164.06	6.62	NA	157.44	NA	NA	NA
MW-4	11/28/1994	2,900	200	17	76	260	NA	NA	NA	NA	NA	NA	NA	164.06	6.11	NA	157.95	NA	NA	NA
MW-4	01/13/1995	1,900	130	5.6	13	40	NA	NA	NA	NA	NA	NA	NA	164.06	6.05	NA	158.01	NA	NA	NA
MW-4	04/12/1995	680	150	<2.0	10	13	NA	NA	NA	NA	NA	NA	NA	164.06	6.31	NA	157.75	NA	NA	NA
MW-4	07/25/1995	340	100	0.8	8.8	3	NA	NA	NA	NA	NA	NA	NA	164.06	7.36	NA	156.70	NA	NA	NA
MW-4	10/18/1995	150	31	<0.5	3.5	0.8	NA	NA	NA	NA	NA	NA	NA	164.06	8.54	NA	155.52	NA	NA	NA
MW-4	01/17/1996	290	14	<0.5	1.8	0.8	NA	NA	NA	NA	NA	NA	NA	164.06	8.48	NA	155.58	NA	NA	NA
MW-4	04/25/1996	<500	65	<5	<5	<5	1,700	NA	NA	NA	NA	NA	NA	164.06	7.40	NA	156.66	NA	NA	NA
MW-4 (D)	04/25/1996	<500	66	<5	8.7	<5	1,500	NA	NA	NA	NA	NA	NA	164.06	7.40	NA	156.66	NA	NA	NA
MW-4	07/17/1996	<500	84	<5.0	6.5	<5.0	1,500	NA	NA	NA	NA	NA	NA	164.06	7.75	NA	156.31	NA	NA	NA
MW-4 (D)	07/17/1996	<500	54	<5.0	<5.0	<5.0	1,700	2,100	NA	NA	NA	NA	NA	164.06	7.75	NA	156.31	NA	NA	NA
MW-4	10/01/1996	<500	1.9	<5.0	<5.0	<5.0	3,000	NA	NA	NA	NA	NA	NA	164.06	8.82	NA	155.24	NA	NA	NA
MW-4	01/22/1997	580	130	<2.5	18	5.2	1,200	NA	NA	NA	NA	NA	NA	164.06	7.51	NA	156.55	NA	NA	NA
MW-4	04/08/1997	770	200	7	26	55	1,500	8	NA	NA	NA	NA	NA	164.06	7.18	NA	156.88	NA	NA	NA
MW-4	07/08/1997	570	78	<5.0	14	11	1,200	NA	NA	NA	NA	NA	NA	164.06	9.00	NA	155.06	NA	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
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MW-4 (D)	07/08/1997	640	81	<5.0	16	19	1,600	NA	NA	NA	NA	NA	NA	164.06	9.00	NA	155.06	NA	NA	NA
MW-4	10/08/1997	<500	40	<5.0	7.4	5.4	1,400	NA	NA	NA	NA	NA	NA	164.06	8.97	NA	155.09	NA	NA	NA
MW-4 (D)	10/08/1997	<500	36	<5.0	5.9	<5.0	1,400	NA	NA	NA	NA	NA	NA	164.06	8.97	NA	155.09	NA	NA	NA
MW-4	01/08/1998	<1,000	55	<10	13	<10	2,000	NA	NA	NA	NA	NA	NA	164.06	7.90	NA	156.16	NA	NA	NA
MW-4	04/13/1998	350	110	2.4	20	26	<2.5	NA	NA	NA	NA	NA	NA	164.06	7.35	NA	156.71	NA	NA	NA
MW-4	07/17/1998	210	66	0.78	5.4	9.8	1,700	NA	NA	NA	NA	NA	NA	164.06	6.95	NA	157.11	NA	NA	NA
MW-4	10/02/1998	<50	0.69	<0.50	<0.50	<0.50	2,900	NA	NA	NA	NA	NA	NA	164.06	7.35	NA	156.71	NA	NA	NA
MW-4	02/03/1999	560	120	2.5	29	34	6,800	NA	NA	NA	NA	NA	NA	164.06	7.71	NA	156.35	NA	0.9	NA
MW-4	04/29/1999	390	80	1.9	13	19	7,000	8,360	NA	NA	NA	NA	NA	164.06	7.83	NA	156.23	NA	1.1	-125
MW-4	07/23/1999	460	93.6	8.40	25.2	28.8	3,760	6,000*	NA	NA	NA	NA	NA	164.06	11.33	NA	152.73	NA	0.9	NA
MW-4	11/01/1999	77.3	0.520	<0.500	<0.500	<0.500	539	NA	NA	NA	NA	NA	NA	164.06	10.66	NA	153.40	NA	2.8	3
MW-4	01/17/2000	160	27	<0.50	12	6.3	12,000	NA	NA	NA	NA	NA	NA	164.06	10.15	NA	153.91	NA	3.9	-17
MW-4	04/17/2000	<500	26	6.38	9.35	10.4	9,070	NA	NA	NA	NA	NA	NA	164.06	10.10	NA	153.96	NA	1.7	-129
MW-4	07/26/2000	<500	22.7	<5.00	7.59	6.96	7,660	NA	NA	NA	NA	NA	NA	164.06	10.09	NA	153.97	NA	1.4	-137
MW-4	10/12/2000	172	19.8	<0.500	7.47	4.50	8,290	NA	NA	NA	NA	NA	NA	164.06	9.35	NA	154.71	NA	3.5	529
MW-4	01/15/2001	53.6	1.50	<0.500	2.45	1.80	9,260	NA	NA	NA	NA	NA	NA	164.06	8.77	NA	155.29	NA	2.3	53
MW-4	04/09/2001	<500	<5.00	<5.00	<5.00	5.52	10,300	NA	NA	NA	NA	NA	NA	164.06	7.75	NA	156.31	NA	1.0	-133
MW-4	07/24/2001	58	3.8	<0.50	3.2	2.9	NA	1,700	NA	NA	NA	NA	NA	164.06	10.07	NA	153.99	NA	0.5	106
MW-4	10/31/2001	<1,000	<10	<10	<10	<10	NA	7,400	NA	NA	NA	NA	NA	164.06	9.97	NA	154.09	NA	0.8	22
MW-4	01/10/2002	<2,000	<20	<20	<20	<20	NA	12,000	NA	NA	NA	NA	NA	164.06	8.53	NA	155.53	NA	8.9	224
MW-4	04/25/2002	<2,000	<20	<20	<20	<20	NA	7,900	NA	NA	NA	NA	NA	164.06	7.33	NA	156.73	NA	3.6	-84
MW-4	07/18/2002	<2,000	<20	<20	<20	<20	NA	7,200	NA	NA	NA	NA	NA	164.06	9.05	NA	155.01	NA	1.7	120
MW-4	10/07/2002	<1,000	<10	<10	<10	<10	NA	3,300	NA	NA	NA	NA	NA	164.03	9.06	NA	154.97	NA	2.5	33
MW-4	01/06/2003	<500	21	<5.0	<5.0	<5.0	NA	2,500	NA	NA	NA	NA	NA	164.03	7.09	NA	156.94	NA	0.5	55
MW-4	04/07/2003	<2,500	<25	<25	<25	<50	NA	1,700	NA	NA	NA	5,900	NA	164.03	8.26	NA	155.77	NA	1.2	69
MW-4	07/07/2003	<2,500	<25	<25	<25	<50	NA	860	NA	NA	NA	6,900	NA	164.03	8.92	NA	155.11	NA	0.5	-3
MW-4	10/09/2003	<500	<5.0	<5.0	<5.0	<10	NA	420	NA	NA	NA	6,700	NA	164.03	8.91	NA	155.12	NA	0.7	171
MW-4	01/14/2004	<1,000	24	<10	<10	<20	NA	500	NA	NA	NA	7,200	NA	164.03	8.34	NA	155.69	NA	1.2	140
MW-4	**04/28/2004**	**<500**	**6.0**	**<5.0**	**<5.0**	**<10**	**NA**	**310**	**NA**	**NA**	**NA**	**5,200**	**NA**	**164.03**	**7.55**	**NA**	**156.48**	**NA**	**0.4**	**69**

MW-5	01/04/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.62	NA	NA	NA	NA	NA
MW-5	01/10/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	110	NA	NA	NA	NA	NA	164.06	5.88	NA	158.18	NA	3.3	172
MW-5	04/25/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	73	NA	NA	NA	NA	NA	164.06	6.81	NA	157.25	NA	0.3	-44
MW-5	07/18/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	75	NA	NA	NA	NA	NA	164.06	7.38	NA	156.68	NA	0.4	170

WELL CONCENTRATIONS
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MW-5	10/07/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	41	NA	NA	NA	NA	NA	164.14	6.75	NA	157.39	NA	1.5	16
MW-5	01/06/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	81	NA	NA	NA	NA	NA	164.14	5.96	NA	158.18	NA	0.6	166
MW-5	04/07/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	77	NA	NA	NA	28	NA	164.14	6.51	NA	157.63	NA	0.8	174
MW-5	07/07/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	32	NA	NA	NA	23	NA	164.14	6.44	NA	157.70	NA	0.3	-17
MW-5	10/09/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	59	NA	NA	NA	40	NA	164.14	7.05	NA	157.09	NA	0.9	17
MW-5	01/14/2004	<50	<0.50	0.76	<0.50	<1.0	NA	47	NA	NA	NA	17	NA	164.14	6.29	NA	157.85	NA	1.6	209
MW-5	**04/28/2004**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**31**	**NA**	**NA**	**NA**	**11**	**NA**	**164.14**	**6.84**	**NA**	**157.30**	**NA**	**0.4**	**136**
TB-1	04/29/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.00	NA	NA	NA	3.8	-132
TB-1	11/01/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.65	NA	NA	NA	0.2	-165
TB-1	01/17/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.72	NA	NA	NA	0.8	-178
TB-1	04/17/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.65	NA	NA	NA	0.5	-152
TB-1	07/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.13	NA	NA	NA	1.0	-124
TB-1	10/12/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.20	NA	NA	NA	0.7	-73
TB-1	01/15/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.09	NA	NA	NA	1.2	-118
TB-1	04/09/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.96	NA	NA	NA	1.0	-72
TB-1	07/24/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.03	NA	NA	NA	1.4	31
TB-1	10/31/2001	1,000	85	<10	<10	42	NA	4,100	NA	NA	NA	NA	NA	NA	5.89	NA	NA	NA	1.8	88
TB-1	01/10/2002	5,000	410	390	65	620	NA	9,000	NA	NA	NA	NA	NA	NA	7.47	NA	NA	NA	2.0	95
TB-1	04/25/2002	5,000	780	60	49	91	NA	6,000	NA	NA	NA	NA	NA	NA	11.71	NA	NA	NA	1.7	-136
TB-1	07/18/2002	Insufficient water		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.50	NA	NA	NA	NA	NA
TB-1	10/07/2002	4,600	480	36	98	200	NA	4,000	NA	NA	NA	NA	NA	NA	12.95	NA	NA	NA	1.6	-48
TB-1	01/06/2003	130	30	<0.50	<0.50	0.78	NA	330	NA	NA	NA	NA	NA	NA	5.56	NA	NA	NA	0.4	-20
TB-2	04/29/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.76	NA	NA	NA	4.2	-108
TB-2	11/01/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.33	NA	NA	NA	0.5	-148
TB-2	01/17/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.79	NA	NA	NA	0.7	-162
TB-2	04/17/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.75	NA	NA	NA	0.9	-121
TB-2	07/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.73	NA	NA	NA	0.9	-85
TB-2	10/12/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.05	NA	NA	NA	0.6	-47
TB-2	01/15/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.87	NA	NA	NA	0.7	-91
TB-2	04/09/2001	46,600	1,240	1,310	1,110	12,100	31,300	NA	NA	NA	NA	NA	NA	NA	3.76	NA	NA	NA	0.8	-24
TB-2	07/24/2001	11,000	630	<25	310	200	NA	11,000	NA	NA	NA	NA	NA	NA	4.75	NA	NA	NA	0.4	-51
TB-2	10/31/2001	7,500	530	1,500	100	500	NA	2,500	NA	NA	NA	NA	NA	NA	4.24	NA	NA	NA	0.6	-7

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Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)	ORP Reading (mV)
TB-2	01/10/2002	<5,000	480	47	34	110	NA	12,000	NA	NA	NA	NA	NA	NA	6.26	NA	NA	NA	1.3	-81
TB-2	04/25/2002	4,700	470	140	<20	80	NA	7,400	NA	NA	NA	NA	NA	NA	11.78	NA	NA	NA	0.9	-107
TB-2	07/18/2002	7,500	630	650	<25	390	NA	44,000	NA	NA	NA	NA	NA	NA	12.34	NA	NA	NA	0.9	-67
TB-2	10/07/2002	<10,000	580	<100	<100	180	NA	30,000	NA	NA	NA	NA	NA	NA	11.62	NA	NA	NA	1.0	-41
TB-2	01/06/2003	120	4.8	<0.50	<0.50	2.0	NA	220	NA	NA	NA	NA	NA	NA	4.35	NA	NA	NA	0.5	-515

Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to July 24, 2001, analyzed by EPA Method 8015.

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to July 24, 2001, analyzed by EPA Method 8020.

MTBE = Methyl tertiary butyl ether

DIPE = Di-isopropyl ether, analyzed by EPA Method 8260

ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260

TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260

TBA = Tertiary butyl alcohol, analyzed by EPA Method 8260

TOC = Top of Casing Elevation

SPH = Separate-Phase Hydrocarbons

GW = Groundwater

ug/L = Parts per billion

MSL = Mean sea level

ft. = Feet

<n = Below detection limit

D = Duplicate sample

NA = Not applicable

DO = Dissolved Oxygens

ppm = Parts per million

ORP = Oxidation Reduction Potential

mV = Millivolts

WELL CONCENTRATIONS
Shell-branded Service Station
4255 MacArthur Boulevard
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)	ORP Reading (mV)

Notes:

* = Sample analyzed outside the EPA recommended holding time.

a = Ground water surface had a sheen when sampled.

b = MTBE value is estimated by Sequoia Analytical of Redwood City, California.

Site surveyed March 14, 2002, by Virgil Chavez Land Surveying of Vallejo, California.

When separate-phase hydrocarbons are present, ground water elevation is adjusted using the relation:

Corrected ground water elevation = Top-of-casing elevation - depth to water + (0.8 x hydrocarbon thickness).

FIGURES

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

SCALE 1: 24,000

N

SOURCE:

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

VICINITY MAP

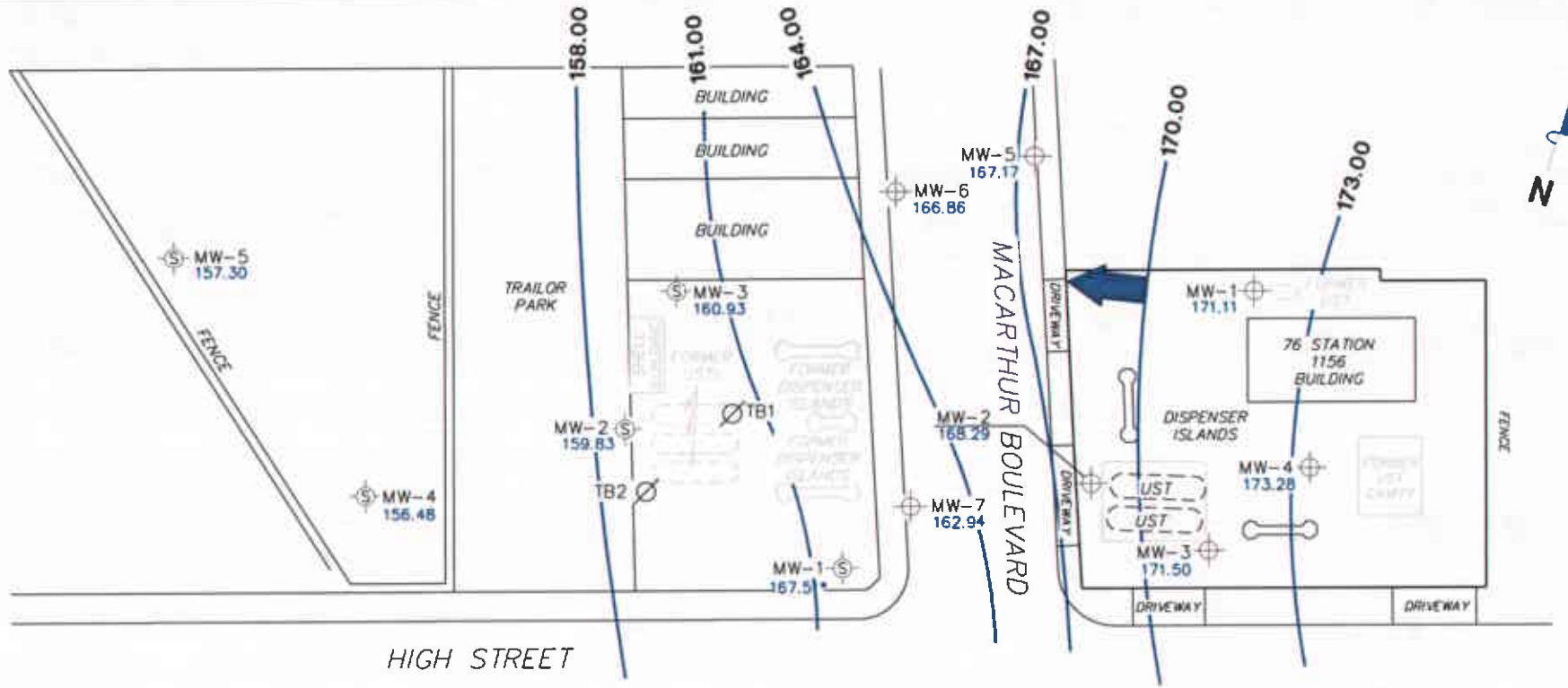
76 Station 1156
4276 MacArthur Boulevard
Oakland, California

TRC

FIGURE 1

PS = 1:1

Graphics on Ir1(i:)\VICINITY MAPS\1156vm.dwg 12/30/03 jw



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. Shell data provided by Blaine Tech. Services. NA = not analyzed, measured, or collected.
* = not included in groundwater contour interpretation.

LEGEND

- MW-7 — Monitoring Well with Groundwater Elevation (feet)
- MW-14 (S) — Shell Monitoring Well with Groundwater Elevation
- TB2 ∅ — Destroyed Shell Well
- 173.00 — Groundwater Elevation Contour
- General Direction of Groundwater Flow

GROUNDWATER ELEVATION CONTOUR MAP
April 28, 2004

76 Station 1156
4276 MacArthur Boulevard
Oakland, California

TRC

SCALE (FEET)
0 60

FIGURE 2

PS=1:1 1156-003

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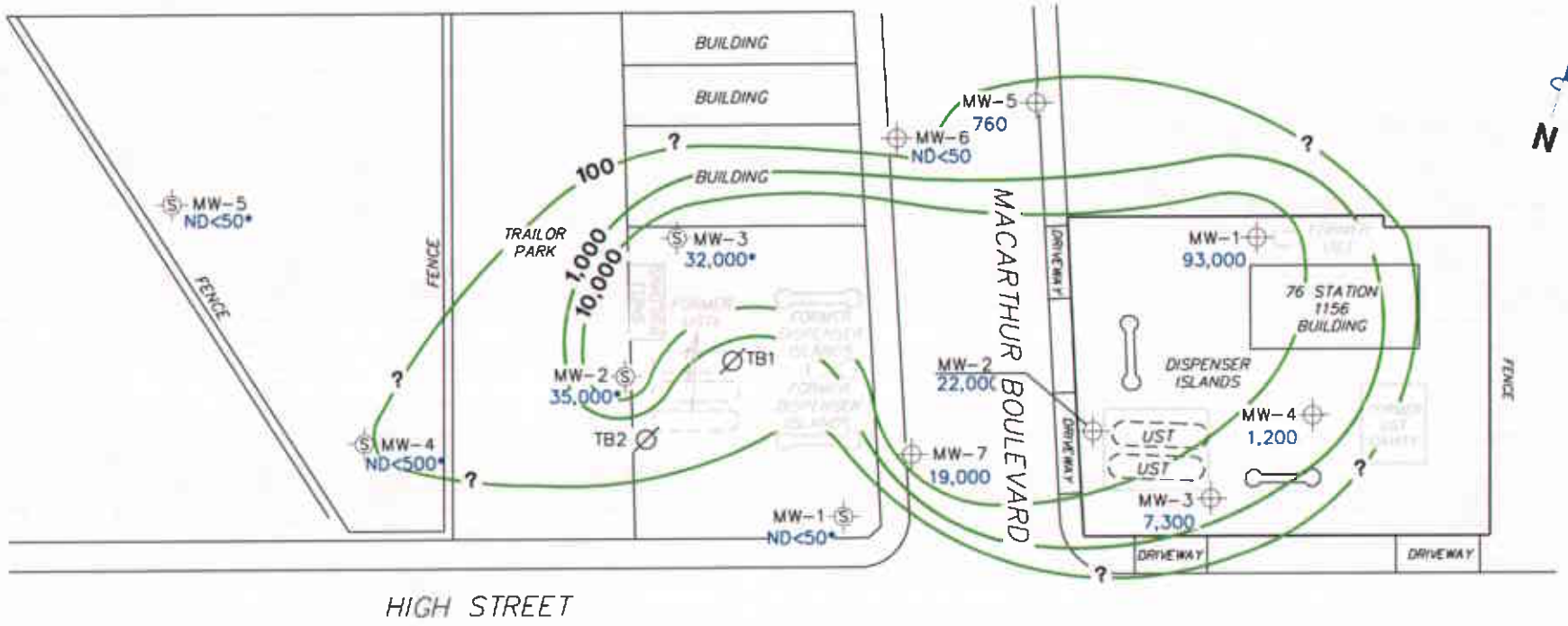


LEGEND

- MW-7 ⊕ 76 Station Monitoring Well with Dissolved-Phase TPH-G Concentration (µg/l)
- MW-5 Ⓢ Shell Monitoring Well with Dissolved-Phase TPPH Concentration (µg/l)
- TB2 ∅ Destroyed Shell Well
- —10,000— Dissolved-Phase TPH-G Contour (µg/l)

NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. TPPH = total purgeable petroleum hydrocarbons. * = TPPH. TPH-G = total petroleum hydrocarbons as gasoline. µg/l = micrograms per liter. TPPH results obtained using EPA Method 8260B. TPH-G results obtained using EPA Method 8215. Doshes indicate contour based on non-detect at elevated detection limit.

TRC

SCALE (FEET)
0 60

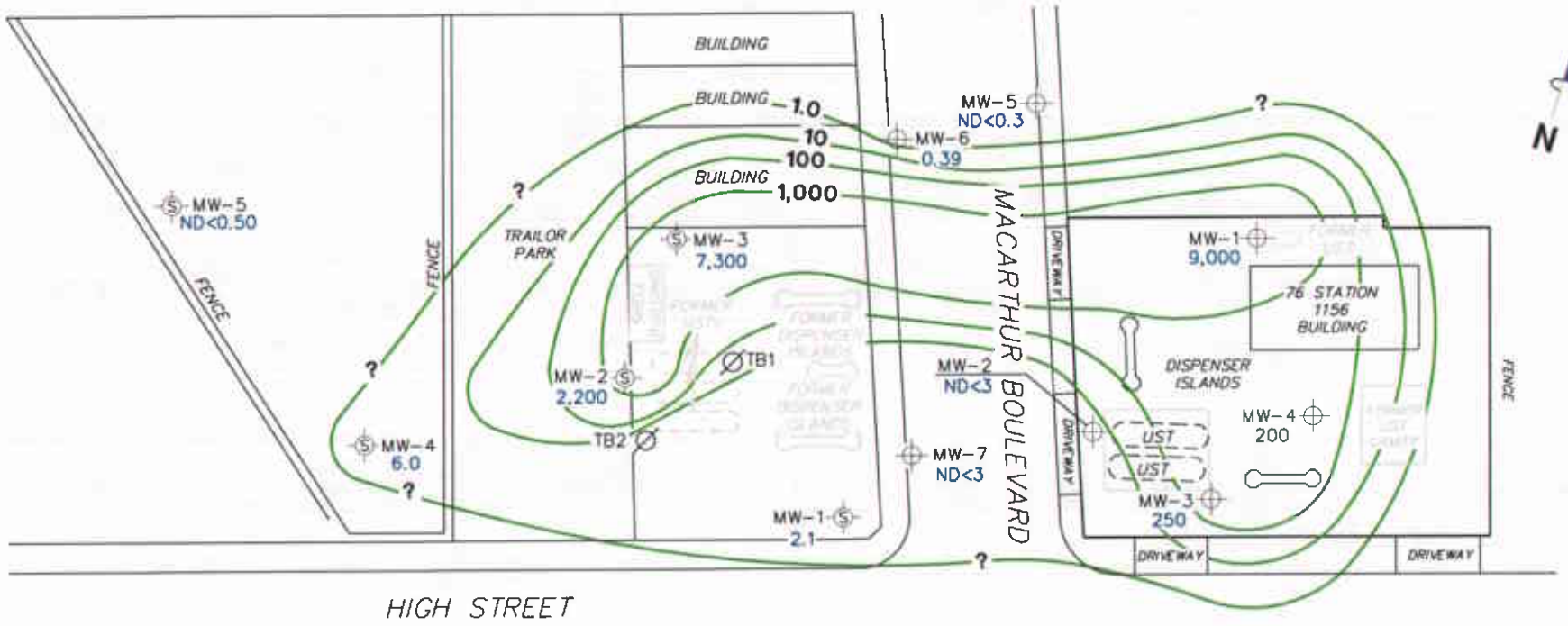
DISSOLVED-PHASE TPH-G CONCENTRATION MAP
April 28, 2004

76 Station 1156
4276 MacArthur Boulevard
Oakland, California

FIGURE 3

PS=1:1 1156-003

Graphics on Ir1(I:)\GRAPHICS\Projects By...\20-xxxx\20-0400\x-1000\1156+\1156.dwg 6/7/04 dmi



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.

LEGEND

- MW-5 — Monitoring Well with Dissolved-Phase Benzene Concentration (µg/l)
- MW-7 — Shell Monitoring Well
- TB2 — Destroyed Shell Well
- 1,000 — Dissolved-Phase Benzene Contour (µg/l)

SCALE (FEET)

0 60

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
April 28, 2004

76 Station 1156
4276 MacArthur Boulevard
Oakland, California

FIGURE 4

PS=1:1 1156-003

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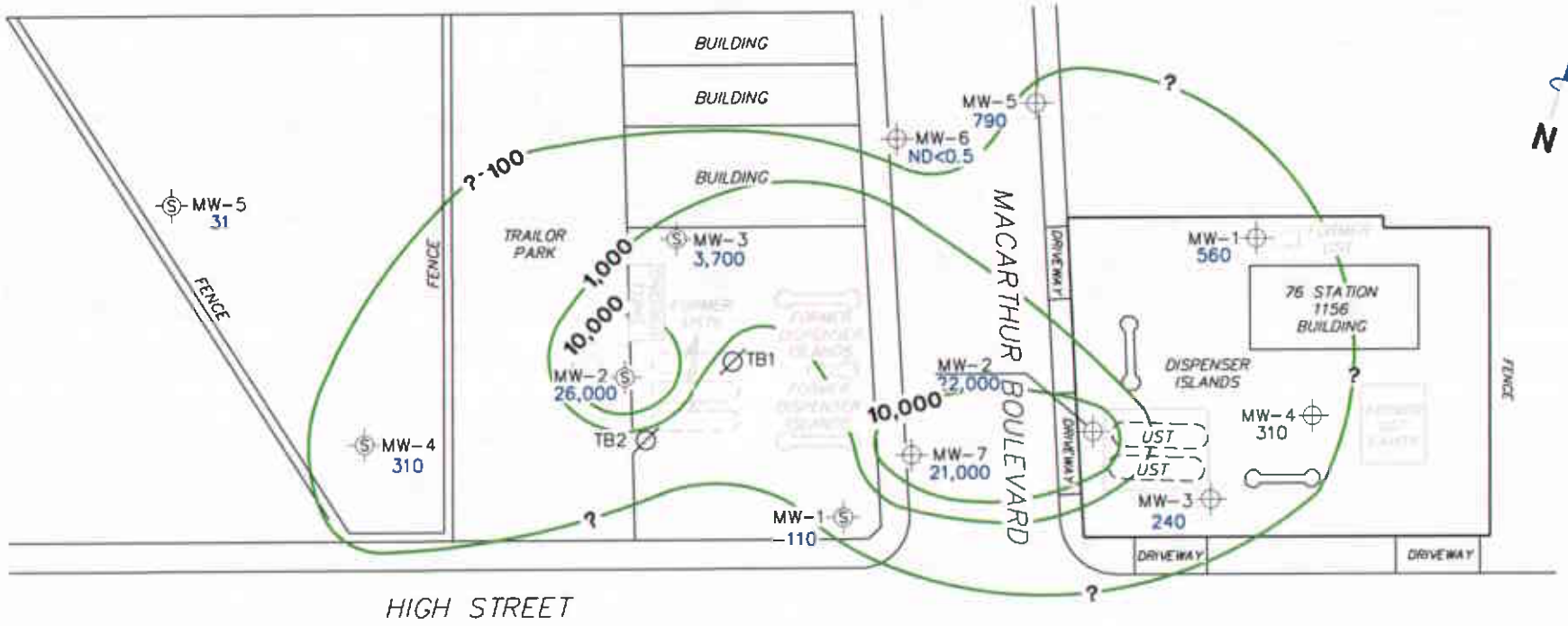


LEGEND

MW-5 — Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)

MW-7 — Shell Monitoring Well

TB2 — Destryoed Shell Well

10,000 — 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.

SCALE (FEET)

0 60

DISSOLVED-PHASE MTBE CONCENTRATION MAP
April 28, 2004

76 Station 1156
4276 MacArthur Boulevard
Oakland, California

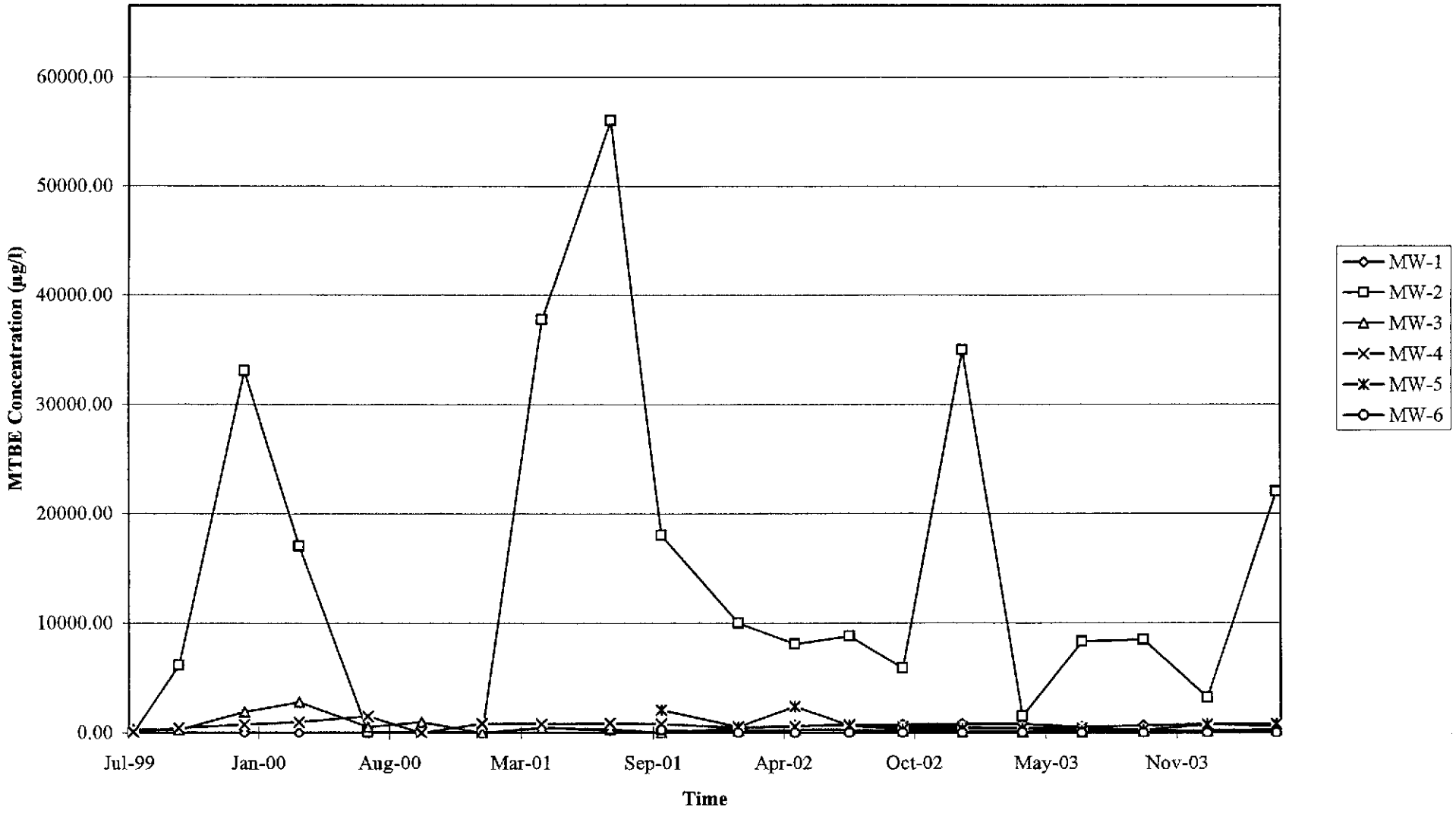
FIGURE 5

PS=1:1 1156-003

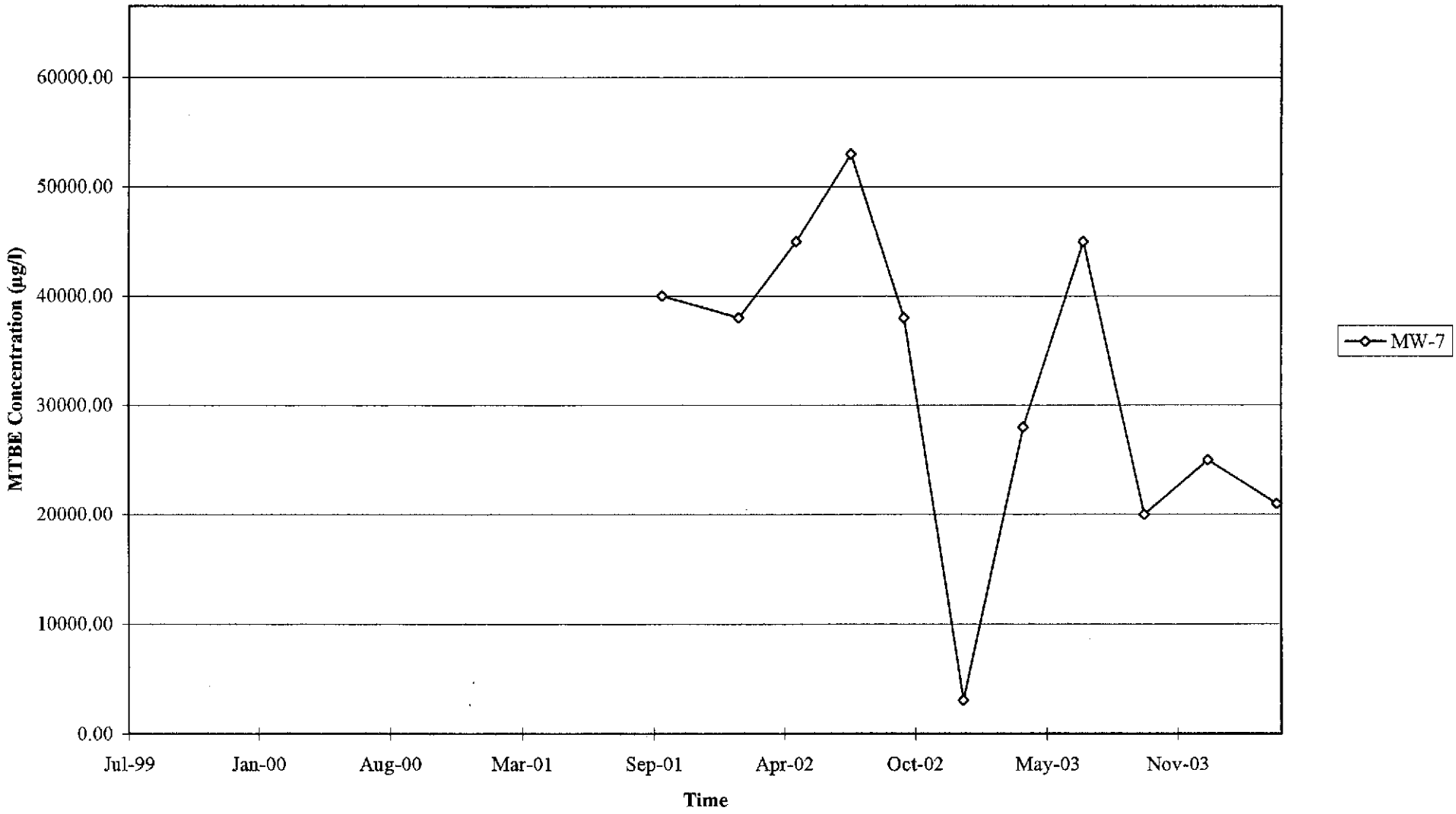
Graphics on Ir1(I:)\GRAPHICS\Projects By...\20-xxxx\20-0400\x-1000\1156+\1156.dwg 6/7/04 dmi

GRAPHS

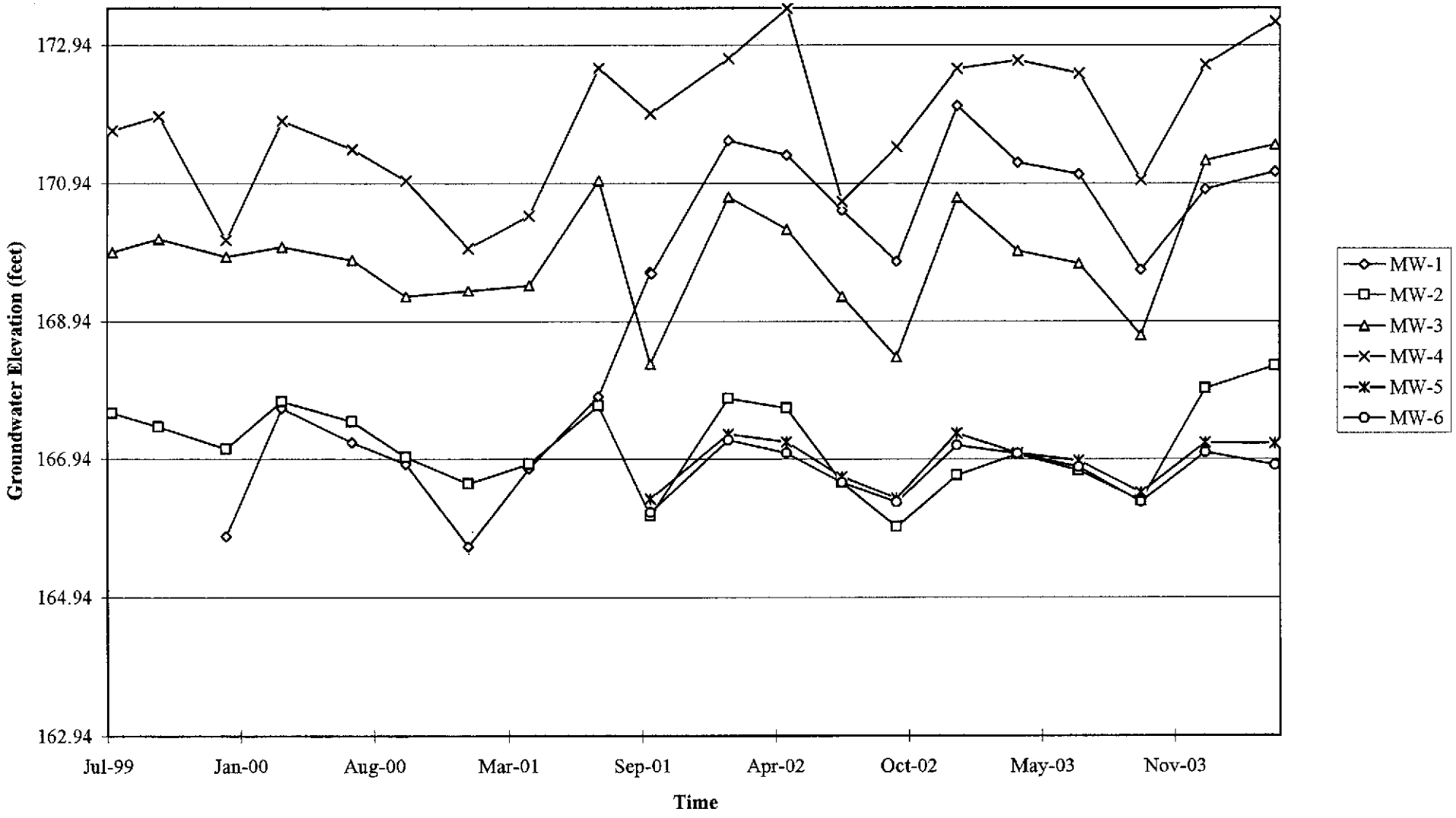
Graph 1
MTBE Concentrations vs. Time
76 Station 1156



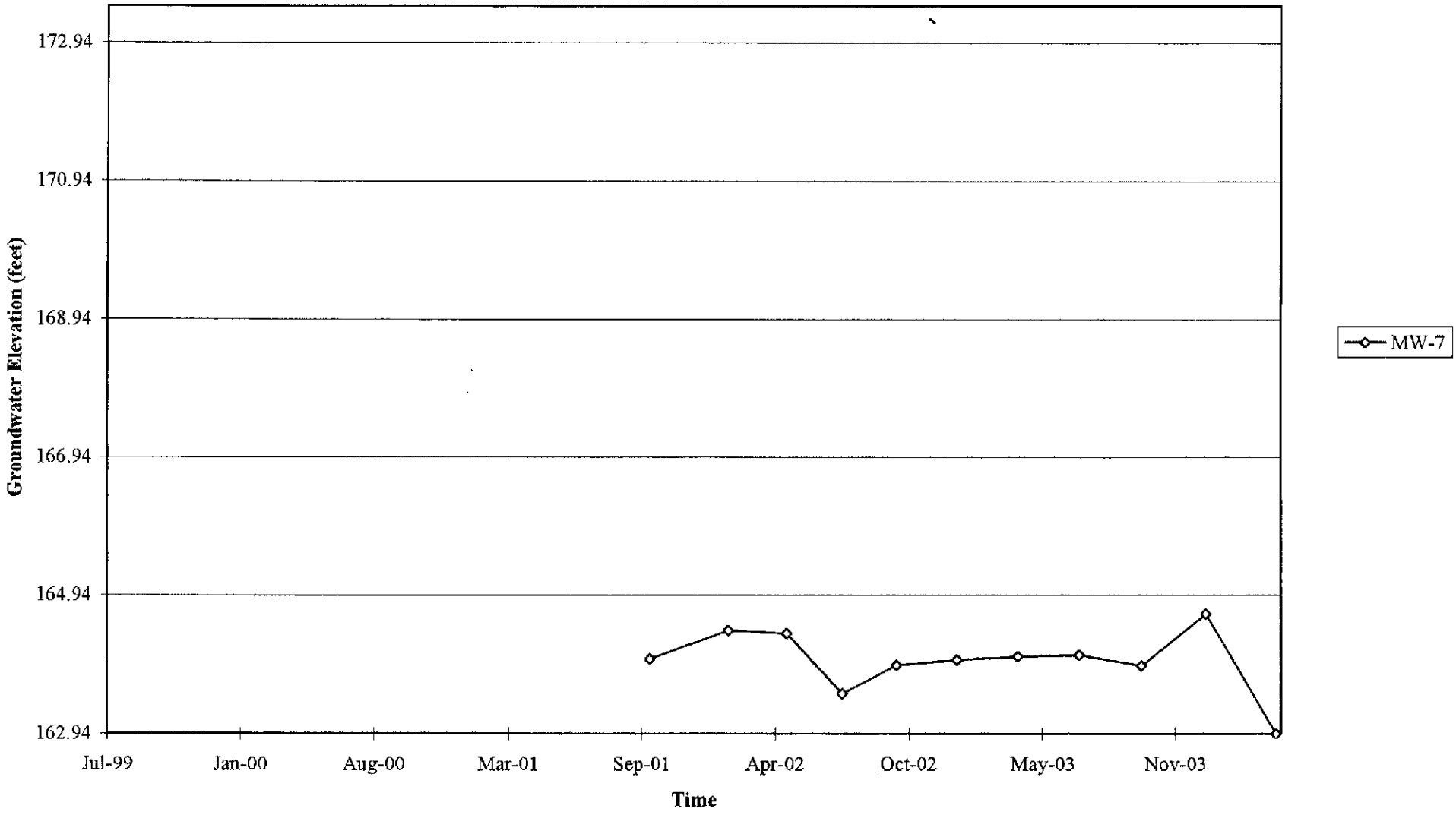
Graph 2
MTBE Concentrations vs. Time
76 Station 1156



Graph 3
Hydrograph
76 Station 1156



Graph 4
Hydrograph
76 Station 1156



GENERAL FIELD PROCEDURES

Groundwater Monitoring and Sampling Assignments

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

Fluid Level Measurements

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

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

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

Purging and Groundwater Parameter Measurement

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

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

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

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

Groundwater Sample Collection

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

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

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

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

Sequence of Gauging, Purging, and Sampling

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

Decontamination

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

Exceptions

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

FIELD MONITORING DATA SHEET

Technician: MARK Job #/Task #: 41050001/FA20 Date: 4/28/04

Site # 1156 Project Manager A COLLINS Page 1 of 1

Well #	Grade	TOC	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
MW-2		✓	25.38	5.21	0	0	0905	2"
MW-7		✓	25.43	5.70	0	0	0850	2"
MW-6		✓	24.87	2.14	0	0	0758	2"
MW-5		✓	25.10	2.01	0	0	0730	2"
MW-3		✓	24.97	6.63	0	0	0912	2"
MW-4		✓	25.25	5.64	0	0	0920	2"
MW-1		✓	25.05	6.43	0	0	0934	2"

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

WTT CERTIFICATE MANIFEST DRUM INVENTORY ✓ TRAFFIC CONTROL

GROUNDWATER SAMPLING FIELD NOTES

Technician: HAEL

Site: 1156 Project No.: 410500001 Date: 4/28/04

Well No.: MW-4 Purge Method: D

Depth to Water (feet): 5.68 Depth to Product (feet): 0

Total Depth (feet): 25.25 LPH & Water Recovered (gallons): 0

Water Column (feet): 19.57 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 9.59 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0642			3	781	18.9	6.65		
			6	789	19.1	6.64		
	0647		9	792	19.5	6.63		

Static at Time Sampled	Total Gallons Purged	Time Sampled
9.75	9	0920

Comments: DID NOT RECOVER WITHIN 2HR.

Well No.: MW-B1 Purge Method: D

Depth to Water (feet): 6.43 Depth to Product (feet): 0

Total Depth (feet): 25.05 LPH & Water Recovered (gallons): 0

Water Column (feet): 18.62 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 16.15 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0701			3	860	17.9	6.96		
			6	869	18.1	7.04		
	0705		9	866	18.2	7.06		

Static at Time Sampled	Total Gallons Purged	Time Sampled
7.50	9	0934

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: Hyder

Site: 7156 Project No.: 41050001 Date: 4/28/04

Well No.: MW-2 Purge Method: D

Depth to Water (feet): 5.21 Depth to Product (feet): 0

Total Depth (feet): 25.38 LPH & Water Recovered (gallons): 0

Water Column (feet): 20.17 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 9.24 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0618			3	800	17.9	6.97		
			6	782	18.1	6.84		
	0621		9	784	18.2	6.75		

Static at Time Sampled	Total Gallons Purged	Time Sampled
10.73	9	0905

Comments: DID NOT RECOVER WITHIN 2HR.

Well No.: MW-3 Purge Method: D

Depth to Water (feet): 6.63 Depth to Product (feet): 0

Total Depth (feet): 24.97 LPH & Water Recovered (gallons): 6

Water Column (feet): 18.34 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 10.29 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0630			3	750	18.5	6.72		
			6	734	19.0	6.67		
	0634		9	708	18.9	6.70		

Static at Time Sampled	Total Gallons Purged	Time Sampled
8.70	9	0912

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: LYDELL

Site: 1156 Project No.: 410502001 Date: 4/28/04

Well No.: MW-5 Purge Method: D

Depth to Water (feet): 2.01 Depth to Product (feet): 0

Total Depth (feet): 25.10 LPH & Water Recovered (gallons): 0

Water Column (feet): 23.09 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 6.62 1 Well Volume (gallons): 4

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0717			4	738	17.6	7.21		
			8	737	18.0	7.13		
	0722		12	736	18.2	7.08		

Static at Time Sampled	Total Gallons Purged	Time Sampled
5.87	12	0730

Comments:

Well No.: MW-6 Purge Method: D

Depth to Water (feet): 2.16 Depth to Product (feet): 0

Total Depth (feet): 24.87 LPH & Water Recovered (gallons): 0

Water Column (feet): 22.69 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): ~~6.71~~ 6.71 1 Well Volume (gallons): 4

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0744			4	630	17.3	7.26		
			8	632	17.2	7.19		
	0749		12	655	17.4	7.16		

Static at Time Sampled	Total Gallons Purged		Time Sampled
6.31	12		0758

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: WDEN

Site: 1156 Project No.: 41050001 Date: 4/28/04

Well No.: MW-7 Purge Method: D

Depth to Water (feet): 8.70 Depth to Product (feet): 0

Total Depth (feet): 25.43 LPH & Water Recovered (gallons): 0

Water Column (feet): 16.73 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 12.04 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0813			3	887	18.3	6.78		
			6	891	17.9	6.41		
	0818		9	899	18.2	6.52		

Static at Time Sampled	Total Gallons Purged	Time Sampled
12.00	9	0850

Comments: WAIT FOR WELL TO RECHARGE 80% 25 MIN.

Well No.: _____ Purge Method: _____

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

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

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

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

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

Static at Time Sampled	Total Gallons Purged	Time Sampled

Comments: _____

BC Laboratories, Inc.

Cover Report

TRC ALTON GEOSCIENCE
21 TECHNOLOGY DRIVE
IRVINE, CA 92618-2302
Attn: ANJU FARFAN

Project Number: 1156
COC Number:
BCL Number: 04-04392

Dear Ms. Farfan:

This report contains the analytical results for the samples received under chain of custody by BC Laboratories, Inc. The samples were logged into the Laboratory Information Management System (LIMS) and BC Lab numbers were assigned to each sample. The result of the temperature check, condition of the samples and any other discrepancies were recorded on the cooler receipt form.

All applicable quality control procedures met method-specific acceptance criteria, except as noted on the following analytical and quality control reports.

This report shall not be reproduced except in full, without written approval of the laboratory.

California DOHS Certification #1186

Authorized Signature

BC Laboratories, Inc

TRC ALTON GEOSCIENCE
21 TECHNOLOGY DRIVE
IRVINE, CA 92618-2302
Attn: ANJU FARFAN

Volatile Organic Analysis (EPA Method 8260)

COC Number	---	**Receive Date/Time**	04/30/2004 @ 18:05
Project Number	1156	**Sampling Date/Time**	04/28/2004 @ 09:05
Sampling Location	---	**Sample Depth**	---
Sampling Point	MW-2	**Sample Matrix**	Groundwater
Sampled By	LYDELL	**BCL Sample ID**	04-04392-1

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dibromoethane	< PQL	ug/L	0.5	0.076	8260	05/05/04	05/05/04	13:58	SVM	MS-V9	1	353-100437	ND	
1,2-Dichloroethane	< PQL	ug/L	0.5	0.12	8260	05/05/04	05/05/04	13:58	SVM	MS-V9	1	353-100437	ND	
t-Amyl Methyl ether	11	ug/L	1	0.30	8260	05/03/04	05/03/04	16:56	MWB	MS-D2	1	392-100323	ND	
t-Butyl alcohol	13000	ug/L	600	200	8260	05/04/04	05/04/04	14:10	MWB	MS-D2	50	392-100323	ND	A01
Diisopropyl ether	< PQL	ug/L	1	0.21	8260	05/03/04	05/03/04	16:56	MWB	MS-D2	1	392-100323	ND	
Ethanol	< PQL	ug/L	1000	67	8260	05/03/04	05/03/04	16:56	MWB	MS-D2	1	392-100323	ND	
Ethyl t-butyl ether	< PQL	ug/L	1	0.20	8260	05/03/04	05/03/04	16:56	MWB	MS-D2	1	392-100323	ND	
Methyl t-butyl ether	22000	ug/L	300	71	8260	05/04/04	05/04/04	15:40	MWB	MS-D2	500	392-100323	ND	A01

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dichloroethane-d4	97	%	76-114	8260	05/03/04	05/03/04	16:56	MWB	MS-D2	1	392-100323		
Toluene-d8	96	%	88-110	8260	05/03/04	05/03/04	16:56	MWB	MS-D2	1	392-100323		
4-Bromofluorobenzene	99	%	86-115	8260	05/03/04	05/03/04	16:56	MWB	MS-D2	1	392-100323		

Flag	Explanations
A01	PQL's and MDL's are raised due to sample dilution.

California DOHS Certification #1186

BC Laboratories, Inc

TRC ALTON GEOSCIENCE
21 TECHNOLOGY DRIVE
IRVINE, CA 92618-2302
Attn: ANJU FARFAN

Purgeable Aromatics and Total Petroleum Hydrocarbons

COC Number	---	**Receive Date/Time**	04/30/2004 @ 18:05
Project Number	1156	**Sampling Date/Time**	04/28/2004 @ 09:05
Sampling Location	---	**Sample Depth**	---
Sampling Point	MW-2	**Sample Matrix**	Groundwater
Sampled By	LYDELL	**BCL Sample ID**	04-04392-1

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	< PQL	ug/L	3	0.74	8021B	05/04/04	05/04/04	12:35	TLF	GC-V1	10	294-100515	ND	
Toluene	9.2	ug/L	3	1.5	8021B	05/04/04	05/04/04	12:35	TLF	GC-V1	10	294-100515	ND	
Ethylbenzene	< PQL	ug/L	3	1.3	8021B	05/04/04	05/04/04	12:35	TLF	GC-V1	10	294-100515	ND	
Methyl t-butyl ether	35000	ug/L	1000	140	8021B	05/05/04	05/05/04	15:41	TLF	GC-V1	1000	294-100515	ND	
Total Xylenes	< PQL	ug/L	6	5.1	8021B	05/04/04	05/04/04	12:35	TLF	GC-V1	10	294-100515	ND	
Gasoline Range Organics (C4 - C12)	22000	ug/L	5000	1400	8015M	05/05/04	05/05/04	08:59	TLF	GC-V1	100	294-100515	ND	A53

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
a,a,a-Trifluorotoluene	100	%	70-130	8021B	05/04/04	05/04/04	12:35	TLF	GC-V1	10	294-100515		
a,a,a-Trifluorotoluene (8015 Surrogate)	105	%	70-130	8015M	05/05/04	05/05/04	08:59	TLF	GC-V1	100	294-100515		

Flag	Explanations
A53	Chromatogram not typical of gasoline.

Comments

PQL's and MDL's are raised due to sample dilution.

California DOHS Certification #1186

BC Laboratories, Inc

TRC ALTON GEOSCIENCE
21 TECHNOLOGY DRIVE
IRVINE, CA 92618-2302
Attn: ANJU FARFAN

Volatile Organic Analysis (EPA Method 8260)

COC Number	---	**Receive Date/Time**	04/30/2004 @ 18:05
Project Number	1156	**Sampling Date/Time**	04/28/2004 @ 08:50
Sampling Location	---	**Sample Depth**	---
Sampling Point	MW-7	**Sample Matrix**	Groundwater
Sampled By	LYDELL	**BCL Sample ID**	04-04392-2

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dibromoethane	< PQL	ug/L	0.5	0.076	8260	05/05/04	05/05/04	14:55	SVM	MS-V9	1	353-100437	ND	
1,2-Dichloroethane	6.8	ug/L	0.5	0.12	8260	05/05/04	05/05/04	14:55	SVM	MS-V9	1	353-100437	ND	
t-Amyl Methyl ether	12	ug/L	1	0.30	8260	05/03/04	05/03/04	16:38	MWB	MS-D2	1	392-100323	ND	
t-Butyl alcohol	9200	ug/L	2000	400	8260	05/04/04	05/04/04	14:46	MWB	MS-D2	100	392-100323	ND	A01
Diisopropyl ether	< PQL	ug/L	1	0.21	8260	05/03/04	05/03/04	16:38	MWB	MS-D2	1	392-100323	ND	
Ethanol	< PQL	ug/L	1000	67	8260	05/03/04	05/03/04	16:38	MWB	MS-D2	1	392-100323	ND	
Ethyl t-butyl ether	< PQL	ug/L	1	0.20	8260	05/03/04	05/03/04	16:38	MWB	MS-D2	1	392-100323	ND	
Methyl t-butyl ether	21000	ug/L	300	71	8260	05/04/04	05/04/04	15:58	MWB	MS-D2	500	392-100323	ND	A01

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dichloroethane-d4	98	%	76-114	8260	05/03/04	05/03/04	16:38	MWB	MS-D2	1	392-100323		
Toluene-d8	106	%	88-110	8260	05/03/04	05/03/04	16:38	MWB	MS-D2	1	392-100323		
4-Bromofluorobenzene	104	%	86-115	8260	05/03/04	05/03/04	16:38	MWB	MS-D2	1	392-100323		

Flag	Explanations
A01	PQL's and MDL's are raised due to sample dilution.

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21 TECHNOLOGY DRIVE
IRVINE, CA 92618-2302
Attn: ANJU FARFAN

Purgeable Aromatics and Total Petroleum Hydrocarbons

COC Number	---	**Receive Date/Time**	04/30/2004 @ 18:05
Project Number	1156	**Sampling Date/Time**	04/28/2004 @ 08:50
Sampling Location	---	**Sample Depth**	---
Sampling Point	MW-7	**Sample Matrix**	Groundwater
Sampled By	LYDELL	**BCL Sample ID**	04-04392-2

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	< PQL	ug/L	3	0.74	8021B	05/04/04	05/04/04	13:03	TLF	GC-V1	10	294-100515	ND	
Toluene	< PQL	ug/L	3	1.5	8021B	05/04/04	05/04/04	13:03	TLF	GC-V1	10	294-100515	ND	
Ethylbenzene	< PQL	ug/L	3	1.3	8021B	05/04/04	05/04/04	13:03	TLF	GC-V1	10	294-100515	ND	
Methyl t-butyl ether	30000	ug/L	1000	140	8021B	05/05/04	05/05/04	16:09	TLF	GC-V1	1000	294-100515	ND	
Total Xylenes	< PQL	ug/L	6	5.1	8021B	05/04/04	05/04/04	13:03	TLF	GC-V1	10	294-100515	ND	
Gasoline Range Organics (C4 - C12)	19000	ug/L	5000	1400	8015M	05/05/04	05/05/04	09:28	TLF	GC-V1	100	294-100515	ND	A53

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
a,a,a-Trifluorotoluene	94	%	70-130	8021B	05/04/04	05/04/04	13:03	TLF	GC-V1	10	294-100515		
a,a,a-Trifluorotoluene (8015 Surrogate)	97	%	70-130	8015M	05/05/04	05/05/04	09:28	TLF	GC-V1	100	294-100515		

Flag	Explanations
A53	Chromatogram not typical of gasoline.

Comments

PQL's and MDL's are raised due to sample dilution.

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IRVINE, CA 92618-2302
Attn: ANJU FARFAN

Volatile Organic Analysis (EPA Method 8260)

COC Number	---	**Receive Date/Time**	04/30/2004 @ 18:05
Project Number	1156	**Sampling Date/Time**	04/28/2004 @ 07:58
Sampling Location	---	**Sample Depth**	---
Sampling Point	MW-6	**Sample Matrix**	Groundwater
Sampled By	LYDELL	**BCL Sample ID**	04-04392-3

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dibromoethane	< PQL	ug/L	0.5	0.076	8260	05/05/04	05/05/04	13:02	SVM	MS-V9	1	353-100437	ND	
1,2-Dichloroethane	< PQL	ug/L	0.5	0.12	8260	05/05/04	05/05/04	13:02	SVM	MS-V9	1	353-100437	ND	
t-Amyl Methyl ether	< PQL	ug/L	1	0.30	8260	05/03/04	05/03/04	14:50	MWB	MS-D2	1	392-100323	ND	
t-Butyl alcohol	< PQL	ug/L	12	4.0	8260	05/03/04	05/03/04	14:50	MWB	MS-D2	1	392-100323	ND	
Diisopropyl ether	< PQL	ug/L	1	0.21	8260	05/03/04	05/03/04	14:50	MWB	MS-D2	1	392-100323	ND	
Ethanol	< PQL	ug/L	1000	67	8260	05/03/04	05/03/04	14:50	MWB	MS-D2	1	392-100323	ND	
Ethyl t-butyl ether	< PQL	ug/L	1	0.20	8260	05/03/04	05/03/04	14:50	MWB	MS-D2	1	392-100323	ND	
Methyl t-butyl ether	< PQL	ug/L	0.5	0.15	8260	05/03/04	05/03/04	14:50	MWB	MS-D2	1	392-100323	ND	

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dichloroethane-d4	98	%	76-114	8260	05/03/04	05/03/04	14:50	MWB	MS-D2	1	392-100323		
Toluene-d8	94	%	88-110	8260	05/03/04	05/03/04	14:50	MWB	MS-D2	1	392-100323		
4-Bromofluorobenzene	90	%	86-115	8260	05/03/04	05/03/04	14:50	MWB	MS-D2	1	392-100323		

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IRVINE, CA 92618-2302
Attn: ANJU FARFAN

Purgeable Aromatics and Total Petroleum Hydrocarbons

COC Number	---	**Receive Date/Time**	04/30/2004 @ 18:05
Project Number	1156	**Sampling Date/Time**	04/28/2004 @ 07:58
Sampling Location	---	**Sample Depth**	---
Sampling Point	MW-6	**Sample Matrix**	Groundwater
Sampled By	LYDELL	**BCL Sample ID**	04-04392-3

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	0.39	ug/L	0.3	0.074	8021B	05/05/04	05/05/04	10:26	TLF	GC-V1	1	294-100515	ND	
Toluene	0.78	ug/L	0.3	0.15	8021B	05/05/04	05/05/04	10:26	TLF	GC-V1	1	294-100515	ND	
Ethylbenzene	< PQL	ug/L	0.3	0.13	8021B	05/05/04	05/05/04	10:26	TLF	GC-V1	1	294-100515	ND	
Methyl t-butyl ether	< PQL	ug/L	1	0.14	8021B	05/05/04	05/05/04	10:26	TLF	GC-V1	1	294-100515	ND	
Total Xylenes	< PQL	ug/L	0.6	0.51	8021B	05/05/04	05/05/04	10:26	TLF	GC-V1	1	294-100515	ND	
Gasoline Range Organics (C4 - C12)	< PQL	ug/L	50	14	8015M	05/05/04	05/05/04	10:26	TLF	GC-V1	1	294-100515	ND	

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
a,a,a-Trifluorotoluene	98	%	70-130	8021B	05/05/04	05/05/04	10:26	TLF	GC-V1	1	294-100515		
a,a,a-Trifluorotoluene (8015 Surrogate)	102	%	70-130	8015M	05/05/04	05/05/04	10:26	TLF	GC-V1	1	294-100515		

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IRVINE, CA 92618-2302
Attn: ANJU FARFAN

Volatile Organic Analysis (EPA Method 8260)

COC Number	---	**Receive Date/Time**	04/30/2004 @ 18:05
Project Number	1156	**Sampling Date/Time**	04/28/2004 @ 07:30
Sampling Location	---	**Sample Depth**	---
Sampling Point	MW-5	**Sample Matrix**	Groundwater
Sampled By	LYDELL	**BCL Sample ID**	04-04392-4

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dibromoethane	< PQL	ug/L	0.5	0.076	8260	05/05/04	05/05/04	15:23	SVM	MS-V9	1	353-100437	ND	
1,2-Dichloroethane	1.8	ug/L	0.5	0.12	8260	05/05/04	05/05/04	15:23	SVM	MS-V9	1	353-100437	ND	
t-Amyl Methyl ether	< PQL	ug/L	1	0.30	8260	05/03/04	05/03/04	15:08	MWB	MS-D2	1	392-100323	ND	
t-Butyl alcohol	< PQL	ug/L	12	4.0	8260	05/03/04	05/03/04	15:08	MWB	MS-D2	1	392-100323	ND	
Diisopropyl ether	< PQL	ug/L	1	0.21	8260	05/03/04	05/03/04	15:08	MWB	MS-D2	1	392-100323	ND	
Ethanol	< PQL	ug/L	1000	67	8260	05/03/04	05/03/04	15:08	MWB	MS-D2	1	392-100323	ND	
Ethyl t-butyl ether	< PQL	ug/L	1	0.20	8260	05/03/04	05/03/04	15:08	MWB	MS-D2	1	392-100323	ND	
Methyl t-butyl ether	790	ug/L	30	7.1	8260	05/04/04	05/04/04	14:28	MWB	MS-D2	50	392-100323	ND	A01

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dichloroethane-d4	102	%	76-114	8260	05/03/04	05/03/04	15:08	MWB	MS-D2	1	392-100323		
Toluene-d8	98	%	88-110	8260	05/03/04	05/03/04	15:08	MWB	MS-D2	1	392-100323		
4-Bromofluorobenzene	96	%	86-115	8260	05/03/04	05/03/04	15:08	MWB	MS-D2	1	392-100323		

Flag	Explanations
A01	PQL's and MDL's are raised due to sample dilution.

Comments

Sample received at pH=4.

California DOHS Certification #1186

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21 TECHNOLOGY DRIVE
IRVINE, CA 92618-2302
Attn: ANJU FARFAN

Purgeable Aromatics and Total Petroleum Hydrocarbons

COC Number	---	**Receive Date/Time**	04/30/2004 @ 18:05
Project Number	1156	**Sampling Date/Time**	04/28/2004 @ 07:30
Sampling Location	---	**Sample Depth**	---
Sampling Point	MW-5	**Sample Matrix**	Groundwater
Sampled By	LYDELL	**BCL Sample ID**	04-04392-4

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	< PQL	ug/L	0.3	0.074	8021B	05/04/04	05/04/04	14:01	TLF	GC-V1	1	294-100515	ND	
Toluene	1.8	ug/L	0.3	0.15	8021B	05/04/04	05/04/04	14:01	TLF	GC-V1	1	294-100515	ND	
Ethylbenzene	< PQL	ug/L	0.3	0.13	8021B	05/04/04	05/04/04	14:01	TLF	GC-V1	1	294-100515	ND	
Methyl t-butyl ether	1200	ug/L	20	2.7	8021B	05/06/04	05/06/04	11:25	TLF	GC-V1	20	294-100515	ND	A01
Total Xylenes	< PQL	ug/L	0.6	0.51	8021B	05/04/04	05/04/04	14:01	TLF	GC-V1	1	294-100515	ND	
Gasoline Range Organics (C4 - C12)	760	ug/L	50	14	8015M	05/04/04	05/04/04	14:01	TLF	GC-V1	1	294-100515	ND	A53

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
a,a,a-Trifluorotoluene	94	%	70-130	8021B	05/04/04	05/04/04	14:01	TLF	GC-V1	1	294-100515		
a,a,a-Trifluorotoluene (8015 Surrogate)	96	%	70-130	8015M	05/04/04	05/04/04	14:01	TLF	GC-V1	1	294-100515		

Flag	Explanations
A01	PQL's and MDL's are raised due to sample dilution.
A53	Chromatogram not typical of gasoline.

California DOHS Certification #1186

BC Laboratories, Inc

TRC ALTON GEOSCIENCE
21 TECHNOLOGY DRIVE
IRVINE, CA 92618-2302
Attn: ANJU FARFAN

Volatile Organic Analysis (EPA Method 8260)

COC Number	---	**Receive Date/Time**	04/30/2004 @ 18:05
Project Number	1156	**Sampling Date/Time**	04/28/2004 @ 09:12
Sampling Location	---	**Sample Depth**	---
Sampling Point	MW-3	**Sample Matrix**	Groundwater
Sampled By	LYDELL	**BCL Sample ID**	04-04392-5

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dibromoethane	< PQL	ug/L	3	0.38	8260	05/06/04	05/06/04	13:08	SVM	MS-V9	5	353-100437	ND	A01
1,2-Dichloroethane	< PQL	ug/L	3	0.56	8260	05/06/04	05/06/04	13:08	SVM	MS-V9	5	353-100437	ND	A01
t-Amyl Methyl ether	< PQL	ug/L	1	0.30	8260	05/03/04	05/03/04	17:14	MWB	MS-D2	1	392-100323	ND	
t-Butyl alcohol	< PQL	ug/L	12	4.0	8260	05/03/04	05/03/04	17:14	MWB	MS-D2	1	392-100323	ND	
Diisopropyl ether	< PQL	ug/L	1	0.21	8260	05/03/04	05/03/04	17:14	MWB	MS-D2	1	392-100323	ND	
Ethanol	< PQL	ug/L	1000	67	8260	05/03/04	05/03/04	17:14	MWB	MS-D2	1	392-100323	ND	
Ethyl t-butyl ether	< PQL	ug/L	1	0.20	8260	05/03/04	05/03/04	17:14	MWB	MS-D2	1	392-100323	ND	
Methyl t-butyl ether	240	ug/L	50	15	8260	05/04/04	05/04/04	15:04	MWB	MS-D2	100	392-100323	ND	A01

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dichloroethane-d4	95	%	76-114	8260	05/03/04	05/03/04	17:14	MWB	MS-D2	1	392-100323		
Toluene-d8	95	%	88-110	8260	05/03/04	05/03/04	17:14	MWB	MS-D2	1	392-100323		
4-Bromofluorobenzene	98	%	86-115	8260	05/03/04	05/03/04	17:14	MWB	MS-D2	1	392-100323		

Flag	Explanations
A01	PQL's and MDL's are raised due to sample dilution.

California DOHS Certification #1186

BC Laboratories, Inc

TRC ALTON GEOSCIENCE
21 TECHNOLOGY DRIVE
IRVINE, CA 92618-2302
Attn: ANJU FARFAN

Purgeable Aromatics and Total Petroleum Hydrocarbons

COC Number	---	**Receive Date/Time**	04/30/2004 @ 18:05
Project Number	1156	**Sampling Date/Time**	04/28/2004 @ 09:12
Sampling Location	---	**Sample Depth**	---
Sampling Point	MW-3	**Sample Matrix**	Groundwater
Sampled By	LYDELL	**BCL Sample ID**	04-04392-5

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	250	ug/L	3	0.74	8021B	05/04/04	05/04/04	14:30	TLF	GC-V1	10	294-100515	ND	
Toluene	440	ug/L	3	1.5	8021B	05/04/04	05/04/04	14:30	TLF	GC-V1	10	294-100515	ND	
Ethylbenzene	580	ug/L	3	1.3	8021B	05/04/04	05/04/04	14:30	TLF	GC-V1	10	294-100515	ND	
Methyl t-butyl ether	740	ug/L	10	1.4	8021B	05/04/04	05/04/04	14:30	TLF	GC-V1	10	294-100515	ND	
Total Xylenes	1300	ug/L	6	5.1	8021B	05/04/04	05/04/04	14:30	TLF	GC-V1	10	294-100515	ND	
Gasoline Range Organics (C4 - C12)	7300	ug/L	500	140	8015M	05/04/04	05/04/04	14:30	TLF	GC-V1	10	294-100515	ND	

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
a,a,a-Trifluorotoluene	105	%	70-130	8021B	05/04/04	05/04/04	14:30	TLF	GC-V1	10	294-100515		
a,a,a-Trifluorotoluene (8015 Surrogate)	117	%	70-130	8015M	05/04/04	05/04/04	14:30	TLF	GC-V1	10	294-100515		

Comments

PQL's and MDL's are raised due to sample dilution.

California DOHS Certification #1186

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IRVINE, CA 92618-2302
Attn: ANJU FARFAN

Volatile Organic Analysis (EPA Method 8260)

COC Number	---	**Receive Date/Time**	04/30/2004 @ 18:05
Project Number	1156	**Sampling Date/Time**	04/28/2004 @ 09:20
Sampling Location	---	**Sample Depth**	---
Sampling Point	MW-4	**Sample Matrix**	Groundwater
Sampled By	LYDELL	**BCL Sample ID**	04-04392-6

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dibromoethane	< PQL	ug/L	0.5	0.076	8260	05/05/04	05/05/04	13:30	SVM	MS-V9	1	353-100437	ND	
1,2-Dichloroethane	< PQL	ug/L	0.5	0.12	8260	05/05/04	05/05/04	13:30	SVM	MS-V9	1	353-100437	ND	
t-Amyl Methyl ether	< PQL	ug/L	1	0.30	8260	05/03/04	05/03/04	15:26	MWB	MS-D2	1	392-100323	ND	
t-Butyl alcohol	150	ug/L	12	4.0	8260	05/03/04	05/03/04	15:26	MWB	MS-D2	1	392-100323	ND	
Diisopropyl ether	< PQL	ug/L	1	0.21	8260	05/03/04	05/03/04	15:26	MWB	MS-D2	1	392-100323	ND	
Ethanol	< PQL	ug/L	1000	67	8260	05/03/04	05/03/04	15:26	MWB	MS-D2	1	392-100323	ND	
Ethyl t-butyl ether	< PQL	ug/L	1	0.20	8260	05/03/04	05/03/04	15:26	MWB	MS-D2	1	392-100323	ND	
Methyl t-butyl ether	310	ug/L	5	1.5	8260	05/04/04	05/04/04	13:52	MWB	MS-D2	10	392-100323	ND	A01

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dichloroethane-d4	99	%	76-114	8260	05/03/04	05/03/04	15:26	MWB	MS-D2	1	392-100323		
Toluene-d8	96	%	88-110	8260	05/03/04	05/03/04	15:26	MWB	MS-D2	1	392-100323		
4-Bromofluorobenzene	102	%	86-115	8260	05/03/04	05/03/04	15:26	MWB	MS-D2	1	392-100323		

Flag	Explanations
A01	PQL's and MDL's are raised due to sample dilution.

California DOHS Certification #1186

BC Laboratories, Inc

TRC ALTON GEOSCIENCE
21 TECHNOLOGY DRIVE
IRVINE, CA 92618-2302
Attn: ANJU FARFAN

Purgeable Aromatics and Total Petroleum Hydrocarbons

COC Number	---	**Receive Date/Time**	04/30/2004 @ 18:05
Project Number	1156	**Sampling Date/Time**	04/28/2004 @ 09:20
Sampling Location	---	**Sample Depth**	---
Sampling Point	MW-4	**Sample Matrix**	Groundwater
Sampled By	LYDELL	**BCL Sample ID**	04-04392-6

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	200	ug/L	3	0.74	8021B	05/04/04	05/04/04	14:59	TLF	GC-V1	10	294-100515	ND	
Toluene	5.3	ug/L	3	1.5	8021B	05/04/04	05/04/04	14:59	TLF	GC-V1	10	294-100515	ND	
Ethylbenzene	21	ug/L	3	1.3	8021B	05/04/04	05/04/04	14:59	TLF	GC-V1	10	294-100515	ND	
Methyl t-butyl ether	490	ug/L	10	1.4	8021B	05/04/04	05/04/04	14:59	TLF	GC-V1	10	294-100515	ND	
Total Xylenes	13	ug/L	6	5.1	8021B	05/04/04	05/04/04	14:59	TLF	GC-V1	10	294-100515	ND	
Gasoline Range Organics (C4 - C12)	1200	ug/L	500	140	8015M	05/04/04	05/04/04	14:59	TLF	GC-V1	10	294-100515	ND	

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
a,a,a-Trifluorotoluene	97	%	70-130	8021B	05/04/04	05/04/04	14:59	TLF	GC-V1	10	294-100515		
a,a,a-Trifluorotoluene (8015 Surrogate)	94	%	70-130	8015M	05/04/04	05/04/04	14:59	TLF	GC-V1	10	294-100515		

Comments

PQL's and MDL's are raised due to sample dilution.

California DOHS Certification #1186

BC Laboratories, Inc

TRC ALTON GEOSCIENCE
21 TECHNOLOGY DRIVE
IRVINE, CA 92618-2302
Attn: ANJU FARFAN

Volatile Organic Analysis (EPA Method 8260)

COC Number	---	**Receive Date/Time**	04/30/2004 @ 18:05
Project Number	1156	**Sampling Date/Time**	04/28/2004 @ 09:34
Sampling Location	---	**Sample Depth**	---
Sampling Point	MW-1	**Sample Matrix**	Groundwater
Sampled By	LYDELL	**BCL Sample ID**	04-04392-7

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dibromoethane	< PQL	ug/L	50	7.6	8260	05/05/04	05/05/04	17:15	SVM	MS-V9	100	353-100437	ND	A01
1,2-Dichloroethane	< PQL	ug/L	50	12	8260	05/05/04	05/05/04	17:15	SVM	MS-V9	100	353-100437	ND	A01
t-Amyl Methyl ether	< PQL	ug/L	1	0.30	8260	05/03/04	05/03/04	15:44	MWB	MS-D2	1	392-100323	ND	
t-Butyl alcohol	800	ug/L	12	4.0	8260	05/03/04	05/03/04	15:44	MWB	MS-D2	1	392-100323	ND	
Diisopropyl ether	< PQL	ug/L	1	0.21	8260	05/03/04	05/03/04	15:44	MWB	MS-D2	1	392-100323	ND	
Ethanol	< PQL	ug/L	1000	67	8260	05/03/04	05/03/04	15:44	MWB	MS-D2	1	392-100323	ND	
Ethyl t-butyl ether	< PQL	ug/L	1	0.20	8260	05/03/04	05/03/04	15:44	MWB	MS-D2	1	392-100323	ND	
Methyl t-butyl ether	560	ug/L	50	15	8260	05/04/04	05/04/04	16:17	MWB	MS-D2	100	392-100323	ND	A01

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dichloroethane-d4	78	%	76-114	8260	05/03/04	05/03/04	15:44	MWB	MS-D2	1	392-100323		
Toluene-d8	34	%	88-110	8260	05/03/04	05/03/04	15:44	MWB	MS-D2	1	392-100323		S09
4-Bromofluorobenzene	98	%	86-115	8260	05/03/04	05/03/04	15:44	MWB	MS-D2	1	392-100323		

Flag	Explanations
A01	PQL's and MDL's are raised due to sample dilution.
S09	The surrogate recovery on the sample for this compound was not within the control limits.

Comments

Sample received at pH=4.

California DOHS Certification #1186

BC Laboratories, Inc

TRC ALTON GEOSCIENCE
21 TECHNOLOGY DRIVE
IRVINE, CA 92618-2302
Attn: ANJU FARFAN

Purgeable Aromatics and Total Petroleum Hydrocarbons

COC Number	---	**Receive Date/Time**	04/30/2004 @ 18:05
Project Number	1156	**Sampling Date/Time**	04/28/2004 @ 09:34
Sampling Location	---	**Sample Depth**	---
Sampling Point	MW-1	**Sample Matrix**	Groundwater
Sampled By	LYDELL	**BCL Sample ID**	04-04392-7

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	9000	ug/L	300	74	8021B	05/05/04	05/05/04	17:07	TLF	GC-V1	1000	294-100515	ND	
Toluene	20000	ug/L	300	150	8021B	05/05/04	05/05/04	17:07	TLF	GC-V1	1000	294-100515	ND	
Ethylbenzene	1300	ug/L	300	130	8021B	05/05/04	05/05/04	17:07	TLF	GC-V1	1000	294-100515	ND	
Methyl t-butyl ether	1400	ug/L	1000	140	8021B	05/05/04	05/05/04	17:07	TLF	GC-V1	1000	294-100515	ND	
Total Xylenes	10000	ug/L	600	510	8021B	05/05/04	05/05/04	17:07	TLF	GC-V1	1000	294-100515	ND	
Gasoline Range Organics (C4 - C12)	93000	ug/L	50000	14000	8015M	05/05/04	05/05/04	17:07	TLF	GC-V1	1000	294-100515	ND	

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
a,a,a-Trifluorotoluene	102	%	70-130	8021B	05/05/04	05/05/04	17:07	TLF	GC-V1	1000	294-100515		
a,a,a-Trifluorotoluene (8015 Surrogate)	101	%	70-130	8015M	05/05/04	05/05/04	17:07	TLF	GC-V1	1000	294-100515		

Comments

PQL's and MDL's are raised due to sample dilution.

California DOHS Certification #1186

4100 Atlas Court * Bakersfield, CA 93308 * (661) 327-4911 * FAX (661) 327-1918 * www.bclabs.com

BC Laboratories, Inc.

B C LABORATORIES
QUALITY CONTROL REPORT

Method 8260

TRC ALTON GEOSCIENCE
21 TECHNOLOGY DRIVE
IRVINE, CA 92618-2302
ANJU FARFAN

Date of Report: 05/21/2004
Sample Matrix: Groundwater
QC Batch ID: 200404392-1*8260

Samples Affected: 04-04392-1 - 04-04392-7

Constituents	Method Blank Readings	Units	MS % Rec	MSD % Rec	Spike R.P.D.	LCS % Rec	Spike %Rec Control Limits	Precision Control Limits	LCS % Rec Control Limits
MTBE	< 0.5	µg/L	90.	88.	2.	79.	70 - 130	20	70 - 130

MS = Matrix Spike; MSD = Matrix Spike Duplicate; RPD = Relative Percent Difference
LCS = Laboratory Control Sample

Quality Control Officer

Steven Bennett for
Danette Bohm

BC Laboratories, Inc.

B C LABORATORIES
QUALITY CONTROL REPORT

TRC ALTON GEOSCIENCE
21 TECHNOLOGY DRIVE
IRVINE, CA 92618-2302
ANJU FARFAN

Date of Report: 05/08/2004
Sample Matrix: Groundwater
QC Batch ID: 200404392-1*GAS

Samples Affected: 04-04392-1 - 04-04392-7

Constituents	Method Blank Readings	Units	MS % Rec	MSD % Rec	Spike R.P.D.	LCS % Rec	Spike %Rec Control Limits	Precision Control Limits	LCS % Rec Control Limits
Benzene	< 0.3	µg/L	100.	102.	2.	98.	80 - 120	10	85 - 115
Toluene	< 0.3	µg/L	96.	100.	4.	96.	80 - 120	10	85 - 115
Ethyl Benzene	< 0.3	µg/L	90.	94.	5.	93.	80 - 120	10	85 - 115
Methyl-t-butylether	< 1.	µg/L	108.	111.	3.	106.	80 - 120	10	85 - 115
Total Xylenes	< 0.6	µg/L	97.	101.	4.	100.	80 - 120	10	85 - 115
Gasoline Range Organics (C4 - C12)	<50.	µg/L	102.	97.	4.	106.	70 - 130	20	85 - 115

MS = Matrix Spike; MSD = Matrix Spike Duplicate; RPD = Relative Percent Difference
LCS = Laboratory Control Sample

Quality Control Officer

Sharon Maurer for
Danette Bohm

4100 Atlas Court * Bakersfield, CA 93308 * (661)327-4911 * Fax(661)327-1918 * www.bclabs.com

BC LABORATORIES INC. **SAMPLE RECEIPT FORM** Rev. No. 10 01/21/04 Page 1 Of 1

Submission #: 04-04392 | 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 ☐ 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

Ice Chest ID Blue
Temperature: 2.8 °C
Thermometer ID: 8D

Emissivity 0.93
Container Amber

Date/Time 4/30/04 1845
Analyst Init CBH

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										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	(9)	(9)	(9)	(9)	(9)	(9)	(9)	( )	( )	( )
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							2			
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments:_____

Sample Numbering Completed By: CBH Date/Time: 4/30/04 2210

[H:\DOCS\WP80\LAB_DOCS\FORMS\SAMREC2.WPD]

04-04392

CHK BY | DISTRIBUTION

BC LABORATORIES, INC. 4100 Atlas Court ◻ Bakersfield, CA 93308 ◻ (661) 327-4911 ◻ FAX (661) 327-1918 SUB-OUT ☐

CHAIN OF CUSTODY

Analysis Requested

Circle one: Phillips 66 / Unocal	Consultant Firm: TRC
Address: 4276 MACARTHUR	21 Techology Drive Irvine, CA 92618-2302 Attn: Anju Farfan
City: OAKLAND	4-digit site#: 1156 Workorder #
State: CA Zip:	Project #: 41050001
Phillips 66 /Unocal Mgr: Thomas Koser	Sampler Name: LYDELL

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 8015	8260 full list w/ MTBE & oxygenates	~~BTEX/MTBE~~ 8OXYS BY 8260B	ETHANOL by 8260B	TPPH by 8260B	Turnaround Time Requested
-1	MW-2		4/28/04 - 0905	GW	X	X			X			STD
-2	MW-7		- 0850									
-3	MW-6		- 0758									
-4	MW-5		- 0730									
-5	MW-3		- 0912									
-6	MW-4		- 0920									
-7	MW-1		- 0934				X					

Comments:

GLOBAL ID: T0600102279

Relinquished by (Signature): [signature]

Relinquished by (Signature):

Relinquished by (Signature): Z. Johnson

Received by: REFRIGERATOR — Date & Time: 4/28/04 - 1109

Received by: Z. Johnson — Date & Time: 4-30-04 1330

Received by: C. Hudgins — Date & Time: 4/30/04 1805

(A) = ANALYSIS (C) = CONTAINER (P) = PRESERVATIVE

STATEMENTS

Purge Water Transport and Disposal

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

Limitations

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