

R0409



720 Southpoint Blvd. Suite 207
Petaluma, CA 94954
Phone (707) 765-0466, Fax (707) 765-0366

TRANSMITTAL

TO: Mr. Donald Hwang
Alameda County Health Care Services
1131 Harbor Bay Parkway
Alameda, CA 94502

DATE:
PROJECT NO.
SUBJECT:

October 25, 2004
06-459-1156-04
76 Service Station 1156
Oakland, California

From: Jeremy Smith

*Alameda County
OCT 27 2004
Environmental Health*

WE ARE SENDING YOU:

COPIES	DATED	DESCRIPTION
1	10/25/04	Third Quarter Site Status Report
1	10/8/04	TRC Quarterly Monitoring Report

THESE ARE TRANSMITTED as checked below:

- For review and comment
- As Requested
- For Approval
- Approved as submitted
- Approved as noted
- Returned for corrections
- For your files
- For your use
- As noted below

COMMENTS:

Attached is a copy of the Third Quarter 2004 Site Status Report as well as the TRC Quarterly Monitoring Report for the above referenced site.

Signed: 

COPIES TO: Mr. Thomas Kosel, ConocoPhillips
Mr. Bob Hale, Alameda County Public Works Agency, Water Resources Section, 951
Turner Court, Suite 300, Hayward, CA 94545 (QSR Only)



76 Broadway
Sacramento, CA 95818
phone 916.558.7676
fax 916.558.7639

October 25, 2004

Mr. Don Hwang
Alameda County Health Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Re: **Document Transmittal**
Fuel Leak Case
76 Station #1156
4276 MacArthur
Oakland, CA

Dear Mr. Hwang:

Please find attached Miller Brook's *Quarterly Status Report, dated 10/25/04*, and TRC's *Quarterly Monitoring Report, dated 10/8/04* for the above referenced site. I declare, under penalty of perjury, that to the best of my knowledge the information and/or recommendations contained in the attached proposal or report is true and correct.

If you have any questions or need additional information, please call me at (916) 558-7666.

Sincerely,

A handwritten signature in black ink that reads "Thomas H. Kosel". The signature is fluid and cursive.

Thomas H. Kosel
Site Manger, Risk Management and Remediation
ConocoPhillips
76 Broadway, Sacramento, CA 95818

Attachment

cc: Jed Douglas, MB



October 25, 2004

Mr. Donald Hwang
Alameda County Health Care Services
1131 Harbor Bay Parkway
Alameda, CA 94502

RE: **Quarterly Summary Report-Third Quarter 2004**
Miller Brooks Environmental, Inc. Project No.: 06-459-1156-04

Dear Mr. Hwang:

On behalf of ConocoPhillips Company (ConocoPhillips), Miller Brooks Environmental, Incorporated (Miller Brooks) is forwarding the quarterly summary report for the following location:


Service Station

76 Service Station No. 1156
COP NO. WNO.1112

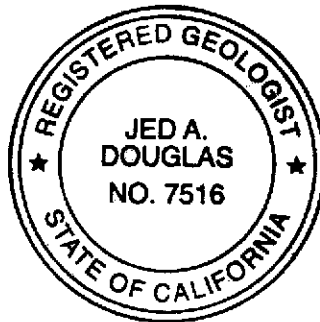
Location

4276 MacArthur Boulevard
Oakland, California

Sincerely,
Miller Brooks Environmental, Incorporated



Jed Douglas, R.G. No. 7516
Senior Geologist



Attachment: Site Plan

cc: Mr. Thomas Kosel, ConocoPhillips
Mr. Bob Hale, Alameda County Public Works Agency, Water Resources Section, 951
Turner Court, Suite 300, Hayward, CA 94545

QUARTERLY SUMMARY REPORT
Third Quarter 2004

76 Service Station No. 1156
4276 MacArthur Boulevard
Oakland, California

City/County ID #: Oakland

County: Alameda

PREVIOUS ASSESSMENT

In 1998, Tosco Marketing Company (Tosco, now ConocoPhillips) removed one 280-gallon used-oil underground storage tank (UST) and removed and replaced two 10,000-gallon gasoline USTs and associated piping and dispensers. Laboratory analyses of samples collected during the work detected concentrations of petroleum hydrocarbons and related constituents in soil and groundwater beneath the site.

In 1999, Environmental Resolutions Inc. (ERI) performed a soil and groundwater evaluation including the installation of four on-site groundwater monitoring wells (MW1 through MW4). The results of the investigation indicated that the extent of petroleum hydrocarbons in soil and groundwater was not delineated.

In July 2001, ERI installed a UST cavity backfill well (TP1) and initiated regular purging of groundwater from the UST cavity.

In August 2001, ERI installed three off-site groundwater monitoring wells (MW5 through MW7). Total petroleum hydrocarbons as gasoline (TPHg) and methyl tertiary butyl ether (MTBE) were not detected in the soil samples and benzene was only detected in one soil sample at a concentration of 0.18 milligrams per kilogram (mg/kg).

SENSITIVE RECEPTORS

In 2001, a GeoTracker® database search, conducted by ERI, revealed four public water supply wells, owned by the East Bay Regional Park District (Park District), within a ½ mile radius of the site. Representatives from the Park District were reported to have no knowledge or records of any wells located in this area and indicated that the wells may belong to the East Bay Municipal Utility District (EBMUD); however, EBMUD were also reported to have no knowledge or records of any wells located in this area.

A 2001 Department of Water Resources (DWR) database search conducted by ERI revealed four water supply wells, belonging to Mills College, within the search radius. A representative from Mills College indicated that all wells associated with Mills College had been destroyed approximately ten years ago (1991) and that Mills College is now connected to a municipal water supply. The DWR search also revealed a well located at 3397 Arkansas Street, approximately 880 feet outside of the search radius. No other wells, surface water-bodies, or potentially sensitive environmental habitats were identified during ERI's field receptor survey.

MONITORING AND SAMPLING

During the most recent groundwater monitoring and sampling event, conducted on July 12, 2004, groundwater was present at depths ranging from 2.56 to 9.44 feet below the top of casing (TOC). The groundwater flow direction was reported towards the west with a gradient of 0.07 ft/ft which was consistent with the historical groundwater flow direction. During the July 12, 2004 sampling event, TPHg, benzene, and MTBE were present at concentrations up to 57,000, 6,900, and 11,000 micrograms per liter ($\mu\text{g/L}$), respectively.

REMEDIATION STATUS

Approximately 1,350 tons of soil and backfill were removed during the 1998 UST removal. As of September 17, 2004, approximately 341,320 gallons of groundwater have been purged from the site during the bi-weekly groundwater purging events.

CHARACTERIZATION STATUS

Groundwater at the site does not appear to be delineated. A former shell service station is located downgradient of the site.

RECENT CORRESPONDENCE

There was no correspondence during the reporting period.

THIS QUARTER ACTIVITIES (Third Quarter 2004)

1. The third quarter groundwater monitoring and sampling event for the site was performed by TRC Companies (TRC).
2. In addition, bi-weekly groundwater purging events from well MW-1 and TP-1 were performed at the site. During June and July 2004, four purging events from well MW-7 were performed. Groundwater purging from well MW-7 was terminated after July.

WASTE DISPOSAL SUMMARY

Approximately 19,880 gallons of groundwater from beneath the site were removed during the third quarter bi-weekly groundwater extraction events. The purged groundwater was properly disposed of at the ConocoPhillips refinery located in Rodeo, California.

NEXT QUARTER ACTIVITIES (Fourth Quarter 2004)

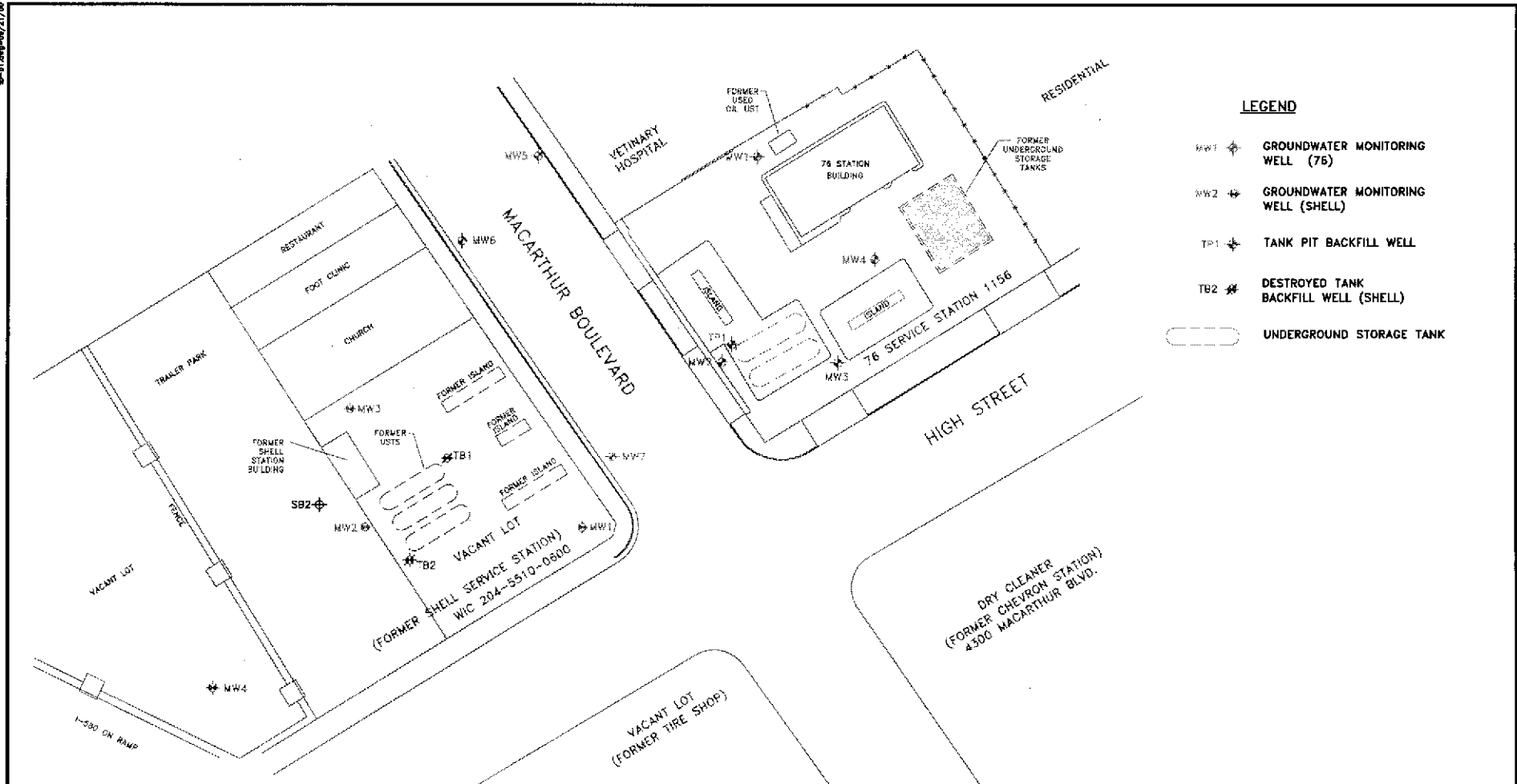
1. The well network will be sampled and a Groundwater Monitoring and Sampling Report will be submitted by TRC.
2. Bi-weekly groundwater purging from wells MW-1, and TP-1 will continue to be performed at the site. During the June and July groundwater purging from well MW-7, approximately 450 gallons were removed from the well prior to the groundwater sampling event. Hydrocarbon concentrations appear to have decreased significantly in well MW-7 based on data obtained during the third quarter sampling event. Miller Brooks will evaluate groundwater data from the fourth quarter sampling event, and if

concentrations in MW-7 appear to be increasing, groundwater purging may be re-initiated for the well.

3. Miller Brooks plans to prepare and submit a Corrective Action Plan (CAP) for the site.

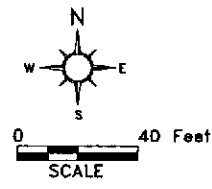
CONSULTANT: Miller Brooks Environmental, Incorporated

06-31.dwg-06/29/04



LEGEND

- MW1 ◆ GROUNDWATER MONITORING WELL (76)
- MW2 ◆ GROUNDWATER MONITORING WELL (SHELL)
- TP1 ◆ TANK PIT BACKFILL WELL
- TB2 ◆ DESTROYED TANK BACKFILL WELL (SHELL)
- UNDERGROUND STORAGE TANK



<p>MILLER BROOKS Environmental, Inc.</p>	DRAWN BY: AIL	SITE PLAN	FIGURE 2
	DATE: 02/24/04		
720 SOUTHPOINT BLVD., SUITE 207 PETALUMA, CA. 94954 (707) 765-0466	REVISED BY: PEL	76 SERVICE STATION 1156 4276 MACARTHUR BOULEVARD OAKLAND, CA.	
PROJECT NO. 06-459-1156-01	APPROVED BY: JAD		
	DATE: 06/29/04	FILE: K:\DWG\C-C-P\NO. 1156 (4276 MACARTHUR BLVD)\SITE PLAN	DATE PLOTTED: 06/29/04

RO 409



Customer-Focused Solutions

October 8, 2004

ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

RECEIVED
OCT 14 2004
SACRAMENTO

ATTN: MR. THOMAS H. KOSEL

SITE: 76 STATION 1156
4276 MACARTHUR BOULEVARD
OAKLAND, CALIFORNIA

RE: QUARTERLY MONITORING REPORT
JULY THROUGH SEPTEMBER 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
QMS Operations Manager

CC: Mr. Jed Douglas, Miller Brooks Environmental Inc. (2 copies)
Mr. Bob Hale, Alameda County Public Works Agency

Enclosures
20-0400/1156R04.QMS





Customer-Focused Solutions

**QUARTERLY MONITORING REPORT
JULY THROUGH SEPTEMBER 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
October 1, 2004

LIST OF ATTACHMENTS

Summary Sheet	Summary of Gauging and Sampling Activities
Tables	Table Key Table 1: Current Fluid Levels and Selected Analytical Results Table 2: Historic Fluid Levels and Selected Analytical Results Table 3: Additional Analytical Results Table 3b: Additional Analytical Results Table 3c: Additional Analytical Results Table 3d: Additional Analytical Results Table 3e: Additional Analytical Results
Coordinated Event Data	<i>Shell Station at 4255 McArthur Blvd., Oakland</i> Well Concentrations (Shell-branded Service Station)
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	Groundwater Elevations vs. Time Benzene vs. Time MTBE 8260B Concentrations vs. Time
Field Activities	General Field Procedures Groundwater Sampling Field Notes
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Statements	Purge Water Disposal Limitations

Summary of Gauging and Sampling Activities
July 2004 through September 2004
76 Station 1156
4276 MacArthur
Oakland, CA

Project Coordinator: **Thomas Kosel**
Telephone: **916-558-7666**

Water Sampling Contractor: **TRC**
Compiled by: **Valentina Tobon**

Date(s) of Gauging/Sampling Event: **07/12/04**

Sample Points

Groundwater wells: **4** onsite, **3** offsite Wells gauged: **7** Wells sampled: **7**
Purging method: **Diaphragm pump**
Purge water disposal: **Onyx/Rodeo Unit 100**
Other Sample Points: **0** Type: **n/a**

Liquid Phase Hydrocarbons (LPH)

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

Hydrogeologic Parameters

Depth to groundwater (below TOC): Minimum: **2.56 feet** Maximum: **9.44 feet**
Average groundwater elevation (relative to available local datum): **168.02 feet**
Average change in groundwater elevation since previous event: **-0.72 feet**
Interpreted groundwater gradient and flow direction:
 Current event: **0.07 ft/ft, west**
 Previous event: **0.05 ft/ft, west (04/28/04)**

Selected Laboratory Results

Wells with detected **Benzene**: **6** Wells above MCL (1.0 µg/l): **6**
 Maximum reported benzene concentration: **6,900 µg/l (MW-1)**

Wells with **TPH-G** **6** Maximum: **57,000 µg/l (MW-1)**
Wells with **MTBE** **5** Maximum: **11,000 µg/l (MW-7)**

Notes:

SVOC results for MW-1: Benzoic Acid=36ug/L; 2-Methylnaphthalene=170ug/L;
Naphthalene=450ug/L; 2,4-Dimethylphenol=29ug/L; 2-Methylphenol=26ug/L; 3-4-
Methylphenol=42ug/L

TABLES

TABLE KEY

STANDARD ABBREVIATIONS

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

ANALYTES

BTEX	=	benzene, toluene, ethylbenzene, and (total) xylenes
DIPE	=	di-isopropyl ether
ETBE	=	ethyl tertiary butyl ether
MTBE	=	methyl tertiary butyl ether
PCB	=	polychlorinated biphenyls
PCE	=	tetrachloroethene
TBA	=	tertiary butyl alcohol
TCA	=	trichloroethane
TCE	=	trichloroethene
TPH-G	=	total petroleum hydrocarbons with gasoline distinction
TPH-D	=	total petroleum hydrocarbons with diesel distinction
TPPH	=	total purgeable petroleum hydrocarbons
TRPH	=	total recoverable petroleum hydrocarbons
TAME	=	tertiary amyl methyl ether
1,1-DCA	=	1,1-dichloroethane
1,2-DCA	=	1,2-dichloroethane (same as EDC, ethylene dichloride)
1,1-DCE	=	1,1-dichloroethene
1,2-DCE	=	1,2-dichloroethene (cis- and trans-)

NOTES

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

REFERENCE

TRC began groundwater monitoring and sampling for 76 Station 1156 in October 2003. Historical data compiled prior to that time were provided by Gettler-Ryan Inc.

Table 1
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
July 12, 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)												
07/12/04	177.54	7.44	0.00	170.10	-1.01	57000	--	6900	7200	1600	580	490	440	
MW-2		(Screen Interval in feet: 5.0-25.0)												
07/12/04	173.50	5.83	0.00	167.67	-0.62	1700	--	3.8	18	2.6	16	3000	3000	
MW-3		(Screen Interval in feet: 5.0-25.0)												
07/12/04	178.13	7.41	0.00	170.72	-0.78	5500	--	350	310	120	350	180	100	
MW-4		(Screen Interval in feet: 5.0-25.0)												
07/12/04	178.96	6.48	0.00	172.48	-0.80	3600	--	1000	14	260	72	710	470	
MW-5		(Screen Interval in feet: DNA)												
07/12/04	169.18	2.56	0.00	166.62	-0.55	96	--	1.8	3.3	0.54	3.6	2.8	ND<0.5	
MW-6		(Screen Interval in feet: DNA)												
07/12/04	169.04	2.69	0.00	166.35	-0.51	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	6.4	ND<0.5	
MW-7		(Screen Interval in feet: DNA)												
07/12/04	171.64	9.44	0.00	162.20	-0.74	12000	--	28	14	330	200	12000	11000	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
July 1999 Through July 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)														
07/20/99	174.86	7.50	0.00	167.36	--	120000	--	11000	27000	3300	18000	ND	--	
09/28/99	174.86	8.75	0.00	166.11	-1.25	6020	--	1030	1040	68.5	412	321	333	
01/07/00	174.86	9.05	0.02	165.82	-0.29	72700	--	7410	13900	2070	9620	ND	--	GWE corrected
03/31/00	174.86	7.18	0.00	167.68	1.86	92000	--	10000	23000	3200	14000	ND	--	
07/14/00	174.86	7.68	0.00	167.18	-0.50	108000	--	8250	18700	3750	17800	ND	--	
10/03/00	174.86	7.99	0.00	166.87	-0.31	96000	--	8760	20000	3350	15600	ND	--	
01/03/01	174.86	9.18	0.00	165.68	-1.19	37000	--	5800	13000	1700	8100	2,200	--	
04/04/01	174.86	8.05	0.00	166.81	1.13	86900	--	7780	18500	2470	11800	ND	481	
07/17/01	174.86	7.01	0.00	167.85	1.04	79000	--	5600	11000	2800	12000	ND	230	
10/03/01	177.54	7.89	0.00	169.65	1.80	99000	--	8200	18000	3000	16000	ND<2500	--	
10/05/01	177.54	7.91	0.00	169.63	-0.02	--	--	--	--	--	--	--	--	
01/28/02	177.54	5.98	0.00	171.56	1.93	110000	--	8900	19000	2600	12000	3000	440	
04/25/02	177.54	6.19	0.00	171.35	-0.21	93000	--	8100	18000	3000	15000	810	670	
07/18/02	177.54	6.99	0.00	170.55	-0.80	69000	--	5400	10000	2100	10000	ND<500	620	
10/07/02	177.54	7.73	0.00	169.81	-0.74	82000	--	9200	20000	2600	13000	1300	760	
01/06/03	177.54	5.48	0.00	172.06	2.25	82000	--	6500	18000	2700	11000	ND<1000	790	
04/07/03	177.54	6.30	0.00	171.24	-0.82	74000	--	7000	15000	2400	11000	1000	800	
07/07/03	177.54	6.47	0.00	171.07	-0.17	60000	--	6400	11000	2600	11000	600	530	
10/09/03	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.
01/14/04	177.54	6.69	0.00	170.85	1.16	98000	--	8000	21000	2600	15000	ND<1300	ND<800	
04/28/04	177.54	6.43	0.00	171.11	0.26	93000	--	9000	20000	1300	10000	1400	560	
07/12/04	177.54	7.44	0.00	170.10	-1.01	57000	--	6900	7200	1600	580	490	440	

MW-2 (Screen Interval in feet: 5.0-25.0)

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
July 1999 Through July 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-2 continued														
07/20/99	173.01	5.40	--	167.61	--	ND	--	ND	ND	ND	ND	4500	11000	
09/28/99	173.01	5.60	0.00	167.41	-0.20	1390	--	124	ND	62.9	43.1	5280	6150	
01/07/00	173.01	5.92	0.00	167.09	-0.32	1450	--	99	ND	23.8	16	33100	--	
03/31/00	173.01	5.23	0.00	167.78	0.69	ND	--	42	ND	ND	ND	17000	--	
07/14/00	173.01	5.52	0.00	167.49	-0.29	ND	--	44.7	ND	ND	ND	66500	--	
10/03/00	173.01	6.04	0.00	166.97	-0.52	ND	--	56.7	ND	ND	ND	57500	--	
01/03/01	173.01	6.42	0.00	166.59	-0.38	ND	--	ND	ND	ND	ND	49000	--	
04/04/01	173.01	6.14	0.00	166.87	0.28	ND	--	ND	ND	ND	ND	38700	37800	
07/17/01	173.01	5.30	0.00	167.71	0.84	ND	--	ND	ND	ND	ND	65000	56000	
10/03/01	173.50	7.38	0.00	166.12	-1.59	ND<250	--	2.7	ND<2.5	ND<2.5	ND<2.5	14000	18000	
01/28/02	173.50	5.68	0.00	167.82	--	ND<250	--	2.5	4.4	2.8	7.4	11000	10000	
04/25/02	173.50	5.82	0.00	167.68	-0.14	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	8400	8100	
07/18/02	173.50	6.90	0.00	166.60	-1.08	ND<500	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	4300	8800	
10/07/02	173.50	7.54	0.00	165.96	-0.64	4300	--	ND<10	27	21	75	7100	5900	
01/06/03	173.50	6.79	0.00	166.71	0.75	5900	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	31000	35000	
04/07/03	173.50	6.49	0.00	167.01	0.30	1500	--	ND<10	14	11	38	2000	1500	
07/07/03	173.50	6.72	0.00	166.78	-0.23	ND<2500	--	ND<25	ND<25	ND<25	ND<25	5500	8300	
10/09/03	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.
01/14/04	173.50	5.53	0.00	167.97	1.63	3200	--	ND<25	ND<25	ND<25	ND<25	2600	3200	
04/28/04	173.50	5.21	0.00	168.29	0.32	22000	--	ND<3	9.2	ND<3	ND<6	35000	22000	
07/12/04	173.50	5.83	0.00	167.67	-0.62	1700	--	3.8	18	2.6	16	3000	3000	
MW-3 (Screen Interval in feet: 5.0-25.0)														
07/20/99	178.44	8.50	--	169.94	--	1000	--	76	52	79	76	330	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
July 1999 Through July 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-3 continued														
09/28/99	178.44	8.31	0.00	170.13	0.19	1860	--	174	95.4	71.8	135	443	288	
01/07/00	178.44	8.56	0.00	169.88	-0.25	28400	--	2450	3090	1560	3910	1940	--	
03/31/00	178.44	8.42	0.00	170.02	0.14	26000	--	1300	2900	2600	3500	2800	--	
07/14/00	178.44	8.61	0.00	169.83	-0.19	24500	--	1850	2630	2750	3900	548	--	
10/03/00	178.44	9.14	0.00	169.30	-0.53	22000	--	1910	2020	2400	2680	965	--	
01/03/01	178.44	9.06	0.00	169.38	0.08	14000	--	1600	1100	2300	1400	3300	--	
04/04/01	178.44	8.98	0.00	169.46	0.08	19600	--	1150	1470	2100	1820	1050	450	
07/17/01	178.44	7.46	0.00	170.98	1.52	26000	--	1500	2100	2100	3400	ND	350	
10/03/01	178.13	9.81	0.00	168.32	-2.66	22000	--	830	1900	1700	3000	ND<1000	--	
01/28/02	178.13	7.39	0.00	170.74	--	30000	--	880	2600	1800	4300	3200	210	
04/25/02	178.13	7.86	0.00	170.27	-0.47	18000	--	500	2000	1300	3800	500	260	
07/18/02	178.13	8.83	0.00	169.30	-0.97	37000	--	1800	3800	2200	8000	ND<250	270	
10/07/02	178.13	9.71	0.00	168.42	-0.88	26000	--	600	2000	1800	6400	ND<120	ND<200	
01/06/03	178.13	7.40	0.00	170.73	2.31	27000	--	800	2100	2000	6400	440	110	
04/07/03	178.13	8.17	0.00	169.96	-0.77	28000	--	660	2200	1900	6300	440	100	
07/07/03	178.13	8.35	0.00	169.78	-0.18	33000	--	1200	2500	2700	8300	280	100	
10/09/03	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.
01/14/04	178.13	6.86	0.00	171.27	2.53	5100	--	120	240	310	720	190	230	
04/28/04	178.13	6.63	0.00	171.50	0.23	7300	--	250	440	580	1300	740	240	
07/12/04	178.13	7.41	0.00	170.72	-0.78	5500	--	350	310	120	350	180	100	
MW-4 (Screen Interval in feet: 5.0-25.0)														
07/20/99	179.10	7.40	--	171.70	--	69	--	2.7	0.77	ND	7.1	100	--	
09/28/99	179.10	7.19	0.00	171.91	0.21	4050	--	1250	72	51.3	133	416	459	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
July 1999 Through July 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-4 continued														
01/07/00	179.10	8.98	0.00	170.12	-1.79	7010	--	2260	167	271	276	764	--	
03/31/00	179.10	7.26	0.00	171.84	1.72	5500	--	1800	230	330	400	1000	--	
07/14/00	179.10	7.67	0.00	171.43	-0.41	7940	--	2810	332	450	247	1530	--	
10/03/00	179.10	8.12	0.00	170.98	-0.45	11400	--	3110	437	519	816	1040	--	
01/03/01	179.10	9.10	0.00	170.00	-0.98	8600	--	2500	340	480	960	850	--	
04/04/01	179.10	8.63	0.00	170.47	0.47	9950	--	2380	126	416	725	1140	819	
07/17/01	179.10	6.49	0.00	172.61	2.14	10000	--	2300	110	410	800	1200	900	
10/03/01	178.96	7.01	0.00	171.95	-0.66	7800	--	2100	85	380	390	580	820	
01/28/02	178.96	6.21	0.00	172.75	--	12000	--	2100	130	350	670	1100	500	
04/25/02	178.96	5.49	0.00	173.47	0.72	3300	--	1300	42	270	250	680	600	
07/18/02	178.96	8.28	0.00	170.68	-2.79	4800	--	1300	71	290	220	530	760	
10/07/02	178.96	7.49	0.00	171.47	0.79	5100	--	1400	110	330	380	650	540	
01/06/03	178.96	6.36	0.00	172.60	1.13	5600	--	1100	57	260	320	370	520	
04/07/03	178.96	6.24	0.00	172.72	0.12	5100	--	1100	55	190	370	550	420	
07/07/03	178.96	6.43	0.00	172.53	-0.19	3000	--	920	28	170	330	480	450	
10/09/03	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.
01/14/04	178.96	6.30	0.00	172.66	1.67	530	--	88	4.1	9.9	11	150	180	
04/28/04	178.96	5.68	0.00	173.28	0.62	1200	--	200	5.3	21	13	490	310	
07/12/04	178.96	6.48	0.00	172.48	-0.80	3600	--	1000	14	260	72	710	470	
MW-5 (Screen Interval in feet: DNA)														
10/03/01	169.18	2.81	0.00	166.37	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1800	2100	
01/28/02	169.18	1.88	0.00	167.30	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	650	550	
04/25/02	169.18	1.99	0.00	167.19	-0.11	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2200	2400	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
July 1999 Through July 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-5 continued														
07/18/02	169.18	2.49	0.00	166.69	-0.50	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	530	690	
10/07/02	169.18	2.80	0.00	166.38	-0.31	140	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	300	330	
01/06/03	169.18	1.86	0.00	167.32	0.94	120	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	410	350	
04/07/03	169.18	2.15	0.00	167.03	-0.29	220	--	0.53	ND<0.50	ND<0.50	ND<0.50	450	420	
07/07/03	169.18	2.26	0.00	166.92	-0.11	120	--	ND<1.2	ND<1.2	ND<1.2	ND<1.2	220	200	
10/09/03	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.
01/14/04	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	
04/28/04	169.18	2.01	0.00	167.17	-0.01	760	--	ND<0.3	1.8	ND<0.3	ND<0.6	1200	790	
07/12/04	169.18	2.56	0.00	166.62	-0.55	96	--	1.8	3.3	0.54	3.6	2.8	ND<0.5	
MW-6 (Screen Interval in feet: DNA)														
10/03/01	169.04	2.87	0.00	166.17	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	200	270	
01/28/02	169.04	1.82	0.00	167.22	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
04/25/02	169.04	2.01	0.00	167.03	-0.19	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
07/18/02	169.04	2.44	0.00	166.60	-0.43	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
10/07/02	169.04	2.72	0.00	166.32	-0.28	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
01/06/03	169.04	1.90	0.00	167.14	0.82	ND<50	--	0.62	1.2	1.2	3.5	ND<2.0	ND<2.0	
04/07/03	169.04	2.02	0.00	167.02	-0.12	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	46	46	
07/07/03	169.04	2.21	0.00	166.83	-0.19	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
10/09/03	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.
01/14/04	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	
04/28/04	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	
07/12/04	169.04	2.69	0.00	166.35	-0.51	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	6.4	ND<0.5	
MW-7 (Screen Interval in feet: DNA)														

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
July 1999 Through July 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)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-7 continued														
10/03/01	171.64	7.62	0.00	164.02	--	10000	--	210	ND<50	ND<50	800	35000	40000	
01/28/02	171.64	7.21	0.00	164.43	--	ND<1000	--	ND<10	ND<10	ND<10	ND<10	42000	38000	
04/25/02	171.64	7.25	0.00	164.39	-0.04	ND<5000	--	660	ND<50	ND<50	ND<50	42000	45000	
07/18/02	171.64	8.12	0.00	163.52	-0.87	ND<5000	--	130	ND<50	ND<50	ND<50	51000	53000	
10/07/02	171.64	7.71	0.00	163.93	0.41	18000	--	ND<50	ND<50	ND<50	ND<50	33000	38000	
01/06/03	171.64	7.63	0.00	164.01	0.08	410	--	0.61	1.0	0.89	2.9	3900	3100	
04/07/03	171.64	7.58	0.00	164.06	0.05	13,000	--	ND<20	ND<20	ND<20	ND<20	32000	28000	
07/07/03	171.64	7.56	0.00	164.08	0.02	990	--	8.2	ND<0.50	1.2	ND<0.50	36000	45000	
10/09/03	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.
01/14/04	171.64	6.97	0.00	164.67	0.75	19000	--	ND<100	ND<100	ND<100	ND<100	20000	25000	
04/28/04	171.64	8.70	0.00	162.94	-1.73	19000	--	ND<3	ND<3	ND<3	ND<6	30000	21000	
07/12/04	171.64	9.44	0.00	162.20	-0.74	12000	--	28	14	330	200	12000	11000	

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 1156

Date Sampled	TPH-D (µg/l)	cis-1,3-dichloro-propene (µg/l)	trans-1,3-Dichloro-propene (µg/l)	1,4-Dichloro-benzene (µg/l)	EDC (µg/l)	Chloro-benzene (µg/l)	DBCM (µg/l)	PCE (µg/l)	cis-1,2-DCE (µg/l)	trans-1,2-DCE (µg/l)	1,3-Dichloro-benzene (µg/l)	Carbon Tetra-chloride (µg/l)	Chloro-form (µg/l)	1,1,1-TCA (µg/l)	Bromo-methane (µg/l)
MW-1															
07/20/99	16000	--	--	--	--	12	--	--	3.6	--	--	--	--	--	--
09/28/99	2410	--	--	--	--	--	--	--	--	--	--	--	--	--	--
01/07/00	7870	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/31/00	3600	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/14/00	8580	--	--	--	--	--	--	334	--	--	--	--	--	--	--
10/03/00	9260	--	--	--	--	--	--	--	--	--	--	--	--	--	--
01/03/01	11000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/04/01	14000	--	--	--	ND	5.6	--	--	3.4	--	--	--	--	--	--
07/17/01	2200	--	--	--	ND	--	--	--	--	--	--	--	--	--	--
10/05/01	13000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
01/28/02	4400	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/25/02	9000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/18/02	9200	--	--	1.3	ND<10	5.9	--	ND<0.60	1.3	--	--	--	--	--	--
10/07/02	3400	--	--	--	ND<200	--	--	--	--	--	--	--	--	--	--
01/06/03	5100	--	--	--	ND<400	--	--	--	--	--	--	--	--	--	--
04/07/03	2800	--	--	--	ND<200	--	--	--	--	--	--	--	--	--	--
07/07/03	7000	--	--	--	ND<500	ND<120	--	ND<120	ND<120	--	--	--	--	--	--
10/09/03	4300	--	--	--	ND<400	--	--	--	--	--	--	--	--	--	--
01/14/04	6200	--	--	--	ND<800	--	--	--	--	--	--	--	--	--	--
04/28/04	--	--	--	--	ND<50	--	--	--	--	--	--	--	--	--	--
07/12/04	270	ND<10	ND<10	ND<2	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<2	ND<10	ND<10	ND<10	ND<20
MW-2															
04/04/01	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--
07/17/01	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--
07/18/02	--	--	--	--	ND<100	--	--	--	--	--	--	--	--	--	--
10/07/02	--	--	--	--	ND<400	--	--	--	--	--	--	--	--	--	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 1156

Date Sampled	TPH-D (µg/l)	cis-1,3-dichloro-propene (µg/l)	trans-1,3-Dichloro-propene (µg/l)	1,4-Dichloro-benzene (µg/l)	EDC (µg/l)	Chloro-benzene (µg/l)	DBCM (µg/l)	PCE (µg/l)	cis-1,2-DCE (µg/l)	trans-1,2-DCE (µg/l)	1,3-Dichloro-benzene (µg/l)	Carbon Tetra-chloride (µg/l)	Chloro-form (µg/l)	1,1,1-TCA (µg/l)	Bromo-methane (µg/l)	
MW-2 continued																
01/06/03	--	--	--	--	ND<1000	--	--	--	--	--	--	--	--	--	--	--
04/07/03	--	--	--	--	ND<40	--	--	--	--	--	--	--	--	--	--	--
07/07/03	--	--	--	--	ND<100	--	--	--	--	--	--	--	--	--	--	--
10/09/03	--	--	--	--	ND<200	--	--	--	--	--	--	--	--	--	--	--
01/14/04	--	--	--	--	ND<50	--	--	--	--	--	--	--	--	--	--	--
04/28/04	--	--	--	--	ND<0.5	--	--	--	--	--	--	--	--	--	--	--
07/12/04	--	--	--	--	ND<3	--	--	--	--	--	--	--	--	--	--	--
MW-3																
04/04/01	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	--
07/17/01	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	--
07/18/02	--	--	--	--	ND<5.0	--	--	--	--	--	--	--	--	--	--	--
10/07/02	--	--	--	--	ND<200	--	--	--	--	--	--	--	--	--	--	--
01/06/03	--	--	--	--	ND<80	--	--	--	--	--	--	--	--	--	--	--
04/07/03	--	--	--	--	ND<80	--	--	--	--	--	--	--	--	--	--	--
07/07/03	--	--	--	--	ND<40	--	--	--	--	--	--	--	--	--	--	--
10/09/03	--	--	--	--	ND<20	--	--	--	--	--	--	--	--	--	--	--
01/14/04	--	--	--	--	ND<20	--	--	--	--	--	--	--	--	--	--	--
04/28/04	--	--	--	--	ND<3	--	--	--	--	--	--	--	--	--	--	--
07/12/04	--	--	--	--	ND<10	--	--	--	--	--	--	--	--	--	--	--
MW-4																
04/04/01	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	--
07/17/01	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	--
07/18/02	--	--	--	--	49	--	--	--	--	--	--	--	--	--	--	--
10/07/02	--	--	--	--	ND<200	--	--	--	--	--	--	--	--	--	--	--
01/06/03	--	--	--	--	ND<20	--	--	--	--	--	--	--	--	--	--	--
04/07/03	--	--	--	--	ND<20	--	--	--	--	--	--	--	--	--	--	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 1156

Date Sampled	TPH-D (µg/l)	cis-1,3-dichloro-propene (µg/l)	trans-1,3-Dichloro-propene (µg/l)	1,4-Dichloro-benzene (µg/l)	EDC (µg/l)	Chloro-benzene (µg/l)	DBCM (µg/l)	PCE (µg/l)	cis-1,2-DCE (µg/l)	trans-1,2-DCE (µg/l)	1,3-Dichloro-benzene (µg/l)	Carbon Tetra-chloride (µg/l)	Chloro-form (µg/l)	1,1,1-TCA (µg/l)	Bromo-methane (µg/l)
MW-4 continued															
07/07/03	--	--	--	--	ND<20	--	--	--	--	--	--	--	--	--	--
10/09/03	--	--	--	--	ND<4.0	--	--	--	--	--	--	--	--	--	--
01/14/04	--	--	--	--	6.5	--	--	--	--	--	--	--	--	--	--
04/28/04	--	--	--	--	ND<0.5	--	--	--	--	--	--	--	--	--	--
07/12/04	--	--	--	--	14	--	--	--	--	--	--	--	--	--	--
MW-5															
07/18/02	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--	--
10/07/02	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--	--
01/06/03	ND<50	--	--	--	ND<2.0	ND<0.50	--	ND<0.50	ND<0.50	--	--	--	--	--	--
04/07/03	--	--	--	--	ND<10	--	--	--	--	--	--	--	--	--	--
07/07/03	--	--	--	--	ND<4.0	--	--	--	--	--	--	--	--	--	--
10/09/03	--	--	--	--	ND<4.0	--	--	--	--	--	--	--	--	--	--
01/14/04	--	--	--	--	ND<40	--	--	--	--	--	--	--	--	--	--
04/28/04	--	--	--	--	1.8	--	--	--	--	--	--	--	--	--	--
07/12/04	--	--	--	--	0.76	--	--	--	--	--	--	--	--	--	--
MW-6															
07/18/02	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--	--
10/07/02	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--	--
01/06/03	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--	--
04/07/03	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--	--
07/07/03	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--	--
10/09/03	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--	--
01/14/04	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--	--
04/28/04	--	--	--	--	ND<0.5	--	--	--	--	--	--	--	--	--	--
07/12/04	--	--	--	--	ND<0.5	--	--	--	--	--	--	--	--	--	--
MW-7															

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 1156

Date Sampled	TPH-D (µg/l)	cis-1,3-dichloro-propene (µg/l)	trans-1,3-Dichloro-propene (µg/l)	1,4-Dichloro-benzene (µg/l)	EDC (µg/l)	Chloro-benzene (µg/l)	DBCM (µg/l)	PCE (µg/l)	cis-1,2-DCE (µg/l)	trans-1,2-DCE (µg/l)	1,3-Dichloro-benzene (µg/l)	Carbon Tetra-chloride (µg/l)	Chloro-form (µg/l)	1,1,1-TCA (µg/l)	Bromo-methane (µg/l)
MW-7 continued															
07/18/02	--	--	--	--	ND<20	--	--	--	--	--	--	--	--	--	--
10/07/02	--	--	--	--	ND<400	--	--	--	--	--	--	--	--	--	--
01/06/03	ND<50	--	--	--	ND<200	ND<50	--	ND<50	ND<50	--	--	--	--	--	--
04/07/03	--	--	--	--	ND<800	--	--	--	--	--	--	--	--	--	--
07/07/03	--	--	--	--	ND<400	--	--	--	--	--	--	--	--	--	--
10/09/03	--	--	--	--	ND<500	--	--	--	--	--	--	--	--	--	--
01/14/04	--	--	--	--	ND<800	--	--	--	--	--	--	--	--	--	--
04/28/04	--	--	--	--	6.8	--	--	--	--	--	--	--	--	--	--
07/12/04	--	--	--	--	5.1	--	--	--	--	--	--	--	--	--	--

Table 3b
ADDITIONAL ANALYTICAL RESULTS
76 Station 1156

Date Sampled	Chloro-methane (µg/l)	Chloro-ethane (µg/l)	Vinyl chloride (µg/l)	Methylene chloride (µg/l)	Bromoform (µg/l)	BDCM (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	Trichloro-fluoro-methane (µg/l)	Trichloro-trifluoro-ethane (µg/l)	1,2-dichloro-propane (µg/l)	1,1,2-TCA (µg/l)	TCE (µg/l)	1,1,2,2-Tetrachloro-ethane (µg/l)	1,2-DCB (µg/l)
MW-1															
07/20/99	--	--	--	--	--	--	2.0	--	--	--	0.92	--	--	--	3.9
03/31/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.2
04/04/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.6
07/17/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	18
07/18/02	--	1.1	--	--	--	--	--	--	--	--	--	--	--	--	5.8
07/12/04	ND<10	ND<10	ND<10	ND<20	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<2

Table 3c
ADDITIONAL ANALYTICAL RESULTS
76 Station 1156

Date Sampled	Dichloro-difluoromethane (µg/l)	n-Propylbenzene (µg/l)	EDB (µg/l)	1,3,5-Trimethylbenzene (µg/l)	1,2,4-Trichlorobenzene (µg/l)	HCBD (µg/l)	1,2,4-Trimethylbenzene (µg/l)	Naphthalene (µg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8015B (mg/l)	Acenaphthylene (µg/l)	Acenaphthene (µg/l)
MW-1															
07/20/99	--	--	--	--	--	--	--	600	--	--	--	--	--	--	--
09/28/99	--	--	--	318	--	--	1240	534	ND	ND	ND	ND	--	--	--
01/07/00	--	371	--	597	--	--	2210	1050	--	--	--	--	--	--	--
03/31/00	--	--	--	--	--	--	--	140	--	--	--	--	--	--	--
07/14/00	--	--	--	--	--	--	--	690	--	--	--	--	--	--	--
10/03/00	--	--	--	--	--	--	--	361	--	--	--	--	--	--	--
01/03/01	--	--	--	--	--	--	--	400	--	--	--	--	--	--	--
04/04/01	--	--	ND	--	--	--	--	490	ND	ND	ND	ND	--	--	--
07/17/01	--	--	ND	--	--	--	--	740	ND	ND	ND	ND	--	--	--
07/18/02	--	--	ND<10	--	--	--	--	910	ND<10	ND<100	ND<10	ND<10	--	--	--
10/07/02	--	--	ND<200	--	--	--	--	--	ND<200	ND<10000	ND<200	ND<200	--	--	--
01/06/03	--	--	ND<400	--	--	--	--	--	ND<400	ND<20000	ND<400	ND<400	--	--	--
04/07/03	--	--	ND<200	--	--	--	--	--	ND<200	ND<10000	ND<200	ND<200	--	--	--
07/07/03	--	--	ND<500	--	--	--	--	850	ND<500	ND<25000	ND<500	ND<500	ND<120000	--	--
10/09/03	--	--	ND<400	--	--	--	--	--	ND<400	ND<20000	ND<400	ND<400	--	--	--
01/14/04	--	--	ND<800	--	--	--	--	--	ND<800	ND<40000	ND<800	ND<800	--	--	--
04/28/04	--	--	ND<50	--	--	--	--	--	ND<1	800	ND<1	ND<1	--	--	--
07/12/04	ND<10	--	ND<10	--	ND<2	ND<2	--	450	ND<20	1100	ND<20	ND<20	--	ND<2	ND<2
MW-2															
09/28/99	--	--	--	--	--	--	--	--	ND	ND	ND	ND	--	--	--
04/04/01	--	--	ND	--	--	--	--	--	ND	ND	ND	ND	--	--	--
07/17/01	--	--	ND	--	--	--	--	--	ND	ND	ND	ND	--	--	--
07/18/02	--	--	ND<100	--	--	--	--	--	ND<100	ND<1000	ND<100	ND<100	--	--	--
10/07/02	--	--	ND<400	--	--	--	--	--	ND<400	ND<20000	ND<400	ND<400	--	--	--
01/06/03	--	--	ND<1000	--	--	--	--	--	ND<1000	ND<50000	ND<1000	ND<1000	--	--	--
04/07/03	--	--	ND<40	--	--	--	--	--	ND<40	ND<2000	ND<40	ND<40	--	--	--

Table 3c
ADDITIONAL ANALYTICAL RESULTS
76 Station 1156

Date Sampled	Dichloro-difluoromethane (µg/l)	n-Propylbenzene (µg/l)	EDB (µg/l)	1,3,5-Trimethylbenzene (µg/l)	1,2,4-Trichlorobenzene (µg/l)	HCBD (µg/l)	1,2,4-Trimethylbenzene (µg/l)	Naphthalene (µg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8015B (mg/l)	Acenaphthylene (µg/l)	Acenaphthene (µg/l)
MW-2 continued															
07/07/03	--	--	ND<100	--	--	--	--	--	ND<100	ND<5000	ND<100	ND<100	--	--	--
10/09/03	--	--	ND<200	--	--	--	--	--	ND<200	ND<10000	ND<200	ND<200	--	--	--
01/14/04	--	--	ND<50	--	--	--	--	--	ND<50	ND<2500	ND<50	ND<50	--	--	--
04/28/04	--	--	ND<0.5	--	--	--	--	--	11	13000	ND<1	ND<1	--	--	--
07/12/04	--	--	ND<3	--	--	--	--	--	ND<5	110	ND<5	ND<5	--	--	--
MW-3															
09/28/99	--	--	--	--	--	--	--	--	8.80	ND	ND	ND	--	--	--
04/04/01	--	--	ND	--	--	--	--	--	ND	ND	ND	ND	--	--	--
07/17/01	--	--	ND	--	--	--	--	--	ND	ND	ND	ND	--	--	--
07/18/02	--	--	ND<5.0	--	--	--	--	--	ND<5.0	ND<50	ND<5.0	ND<5.0	--	--	--
10/07/02	--	--	ND<200	--	--	--	--	--	ND<200	ND<10000	ND<200	ND<200	--	--	--
01/06/03	--	--	ND<80	--	--	--	--	--	ND<80	ND<4000	ND<80	ND<80	--	--	--
04/07/03	--	--	ND<80	--	--	--	--	--	ND<80	ND<4000	ND<80	ND<80	--	--	--
07/07/03	--	--	ND<40	--	--	--	--	--	ND<40	ND<2000	ND<40	ND<40	--	--	--
10/09/03	--	--	ND<20	--	--	--	--	--	ND<20	ND<1000	ND<20	ND<20	--	--	--
01/14/04	--	--	ND<20	--	--	--	--	--	ND<20	ND<1000	ND<20	ND<20	--	--	--
04/28/04	--	--	ND<3	--	--	--	--	--	ND<1	ND<12	ND<1	ND<1	--	--	--
07/12/04	--	--	ND<10	--	--	--	--	--	ND<20	350	ND<20	ND<20	--	--	--
MW-4															
09/28/99	--	--	--	--	--	--	--	--	ND	ND	ND	ND	--	--	--
04/04/01	--	--	ND	--	--	--	--	--	ND	ND	ND	ND	--	--	--
07/17/01	--	--	ND	--	--	--	--	--	ND	ND	ND	ND	--	--	--
07/18/02	--	--	ND<10	--	--	--	--	--	ND<10	ND<100	ND<10	ND<10	--	--	--
10/07/02	--	--	ND<200	--	--	--	--	--	ND<200	ND<10000	ND<200	ND<200	--	--	--
01/06/03	--	--	ND<20	--	--	--	--	--	ND<20	ND<1000	ND<20	ND<20	--	--	--
04/07/03	--	--	ND<20	--	--	--	--	--	ND<20	ND<1000	ND<20	ND<20	--	--	--

Table 3c
ADDITIONAL ANALYTICAL RESULTS
76 Station 1156

Date Sampled	Dichloro-difluoromethane (µg/l)	n-Propylbenzene (µg/l)	EDB (µg/l)	1,3,5-Trimethylbenzene (µg/l)	1,2,4-Trichlorobenzene (µg/l)	HCBD (µg/l)	1,2,4-Trimethylbenzene (µg/l)	Naphthalene (µg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8015B (mg/l)	Acenaphthylene (µg/l)	Acenaphthene (µg/l)
MW-4 continued															
07/07/03	--	--	ND<20	--	--	--	--	--	ND<20	ND<1000	ND<20	ND<20	--	--	--
10/09/03	--	--	ND<4.0	--	--	--	--	--	ND<4.0	ND<200	ND<4.0	ND<4.0	--	--	--
01/14/04	--	--	ND<4.0	--	--	--	--	--	ND<4.0	ND<200	ND<4.0	ND<4.0	--	--	--
04/28/04	--	--	ND<0.5	--	--	--	--	--	ND<1	150	ND<1	ND<1	--	--	--
07/12/04	--	--	ND<3	--	--	--	--	--	ND<5	210	ND<5	ND<5	--	--	--
MW-5															
07/18/02	--	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	--	--	--
10/07/02	--	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--
01/06/03	--	--	ND<2.0	--	--	--	--	ND<10	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--
04/07/03	--	--	ND<10	--	--	--	--	--	ND<10	ND<500	ND<10	ND<10	--	--	--
07/07/03	--	--	ND<4.0	--	--	--	--	--	ND<4.0	ND<200	ND<4.0	ND<4.0	--	--	--
10/09/03	--	--	ND<4.0	--	--	--	--	--	ND<4.0	ND<200	ND<4.0	ND<4.0	--	--	--
01/14/04	--	--	ND<40	--	--	--	--	--	ND<40	ND<2000	ND<40	ND<40	--	--	--
04/28/04	--	--	ND<0.5	--	--	--	--	--	ND<1	ND<12	ND<1	ND<1	--	--	--
07/12/04	--	--	ND<0.5	--	--	--	--	--	ND<1	ND<12	ND<1	ND<1	--	--	--
MW-6															
07/18/02	--	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	--	--	--
10/07/02	--	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--
01/06/03	--	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--
04/07/03	--	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--
07/07/03	--	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--
10/09/03	--	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--
01/14/04	--	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--
04/28/04	--	--	ND<0.5	--	--	--	--	--	ND<1	ND<12	ND<1	ND<1	--	--	--
07/12/04	--	--	ND<0.5	--	--	--	--	--	ND<1	ND<12	ND<1	ND<1	--	--	--

MW-7

Table 3c
ADDITIONAL ANALYTICAL RESULTS
76 Station 1156

Date Sampled	Dichloro-difluoromethane (µg/l)	n-Propylbenzene (µg/l)	EDB (µg/l)	1,3,5-Trimethylbenzene (µg/l)	1,2,4-Trichlorobenzene (µg/l)	HCBD (µg/l)	1,2,4-Trimethylbenzene (µg/l)	Naphthalene (µg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8015B (mg/l)	Acenaphthylene (µg/l)	Acenaphthene (µg/l)
MW-7 continued															
07/18/02	--	--	ND<20	--	--	--	--	--	ND<20	33000	ND<20	ND<20	--	--	--
10/07/02	--	--	ND<400	--	--	--	--	--	ND<400	26000	ND<400	ND<400	--	--	--
01/06/03	--	--	ND<200	--	--	--	--	ND<10	ND<200	ND<10000	ND<200	ND<200	--	--	--
04/07/03	--	--	ND<800	--	--	--	--	--	ND<800	ND<40000	ND<800	ND<800	--	--	--
07/07/03	--	--	ND<400	--	--	--	--	--	ND<400	27000	ND<400	ND<400	--	--	--
10/09/03	--	--	ND<500	--	--	--	--	--	ND<500	ND<25000	ND<500	ND<500	--	--	--
01/14/04	--	--	ND<800	--	--	--	--	--	ND<800	ND<40000	ND<800	ND<800	--	--	--
04/28/04	--	--	ND<0.5	--	--	--	--	--	12	9200	ND<1	ND<1	--	--	--
07/12/04	--	--	ND<5	--	--	--	--	--	ND<10	4600	ND<10	ND<10	--	--	--

Table 3d
ADDITIONAL ANALYTICAL RESULTS
76 Station 1156

Date Sampled	Fluorene (µg/l)	Phenanthrene (µg/l)	Anthracene (µg/l)	Fluoranthene (µg/l)	Pyrene (µg/l)	Benzo (a)Anthracene (µg/l)	Chrysene (µg/l)	B(b)Fl (µg/l)	B(k)F (µg/l)	Benzo(a) Pyrene (µg/l)	DB(a,h)A (µg/l)	Benzo (g,h,i)-Perylene (µg/l)	Indeno (1,2,3c,d)-Pyrene (µg/l)	Ethanol 8260B (µg/l)	Bis(2-ethylhexyl)-phthalate (µg/l)
MW-1															
03/31/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10
10/03/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	51.6
04/04/01	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	55
07/17/01	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	400
07/18/02	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<2500000	120
10/07/02	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<50000000	--
01/06/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<100000000	--
04/07/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<50000000	--
07/07/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	70
10/09/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<100000	--
01/14/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<200000	--
04/28/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<1000	--
07/12/04	ND<2	ND<2	ND<2	ND<2	ND<2	ND<2	ND<2	ND<2	ND<2	ND<2	ND<3	ND<2	ND<2	ND<20000	ND<5
MW-2															
04/04/01	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--
07/17/01	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--
07/18/02	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<25000000	--
10/07/02	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<100000000	--
01/06/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<250000000	--
04/07/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<100000000	--
07/07/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<250000000	--
10/09/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<50000	--
01/14/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<13000	--
04/28/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<1000	--
07/12/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<4000	--
MW-3															

Table 3d
ADDITIONAL ANALYTICAL RESULTS
76 Station 1156

Date Sampled	Fluorene (µg/l)	Phenanthrene (µg/l)	Anthracene (µg/l)	Fluoranthene (µg/l)	Pyrene (µg/l)	Benzo (a)Anthracene (µg/l)	Chrysene (µg/l)	B(b)Fl (µg/l)	B(k)F (µg/l)	Benzo(a) Pyrene (µg/l)	DB(a,h)A (µg/l)	Benzo (g,h,i)-Perylene (µg/l)	Indeno (1,2,3c,d)-Pyrene (µg/l)	Ethanol 8260B (µg/l)	Bis(2-ethylhexyl)-phthalate (µg/l)
MW-5 continued															
01/06/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<500000	ND<5.0
04/07/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<2500000	--
07/07/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<1000000	--
10/09/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<1000	--
01/14/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<10000	--
04/28/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<1000	--
07/12/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<800	--
MW-6															
07/18/02	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<500000	--
10/07/02	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<500000	--
01/06/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<500000	--
04/07/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<500000	--
07/07/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<500000	--
10/09/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<500	--
01/14/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<500	--
04/28/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<1000	--
07/12/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<800	--
MW-7															
07/18/02	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<5000000	--
10/07/02	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<100000000	--
01/06/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<500000000	ND<5.0
04/07/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<200000000	--
07/07/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<100000000	--
10/09/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<130000	--
01/14/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<200000	--
04/28/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<1000	--

Table 3d
ADDITIONAL ANALYTICAL RESULTS
76 Station 1156

Date Sampled	Fluorene (µg/l)	Phenanthrene (µg/l)	Anthracene (µg/l)	Fluoranthene (µg/l)	Pyrene (µg/l)	Benzo (a)Anthracene (µg/l)	Chrysene (µg/l)	B(b)Fl (µg/l)	B(k)F (µg/l)	Benzo(a) Pyrene (µg/l)	DB(a,h)A (µg/l)	Benzo (g,h,i)-Perylene (µg/l)	Indeno (1,2,3c,d)-Pyrene (µg/l)	Ethanol 8260B (µg/l)	Bis(2-ethylhexyl)-phthalate (µg/l)
MW-7 continued 07/12/04	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<8000	--

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

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	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
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-1	07/12/2004	<50	2.5	<0.50	<0.50	<1.0	NA	120	<2.0	<2.0	<2.0	26	<50	175.76	6.20	NA	169.56	NA	0.5	72

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	80,000	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

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-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
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-2	07/12/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.88	12.12	12.09	158.78	0.03	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
4255 MacArthur Boulevard
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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	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
MW-3	04/25/1994	96,000	11,000	1,600	3,100	9,900	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

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	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
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	33,800	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-3	07/12/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	174.59	14.87	14.83	159.75	0.04	NA	NA
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

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-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
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-4	07/12/2004	<500	11	<5.0	7.8	<10	NA	370	<20	<20	<20	5,900	<500	164.03	8.12	NA	155.91	NA	0.5	142

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)
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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
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
MW-5	07/12/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	47	<2.0	<2.0	<2.0	12	<50	164.14	7.57	NA	156.57	NA	0.4	90

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	7.85	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

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)
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
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)
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Notes:

* = Sample analyzed outside the EPA recommended holding time.

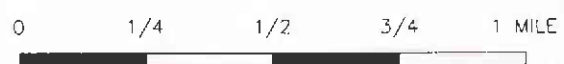
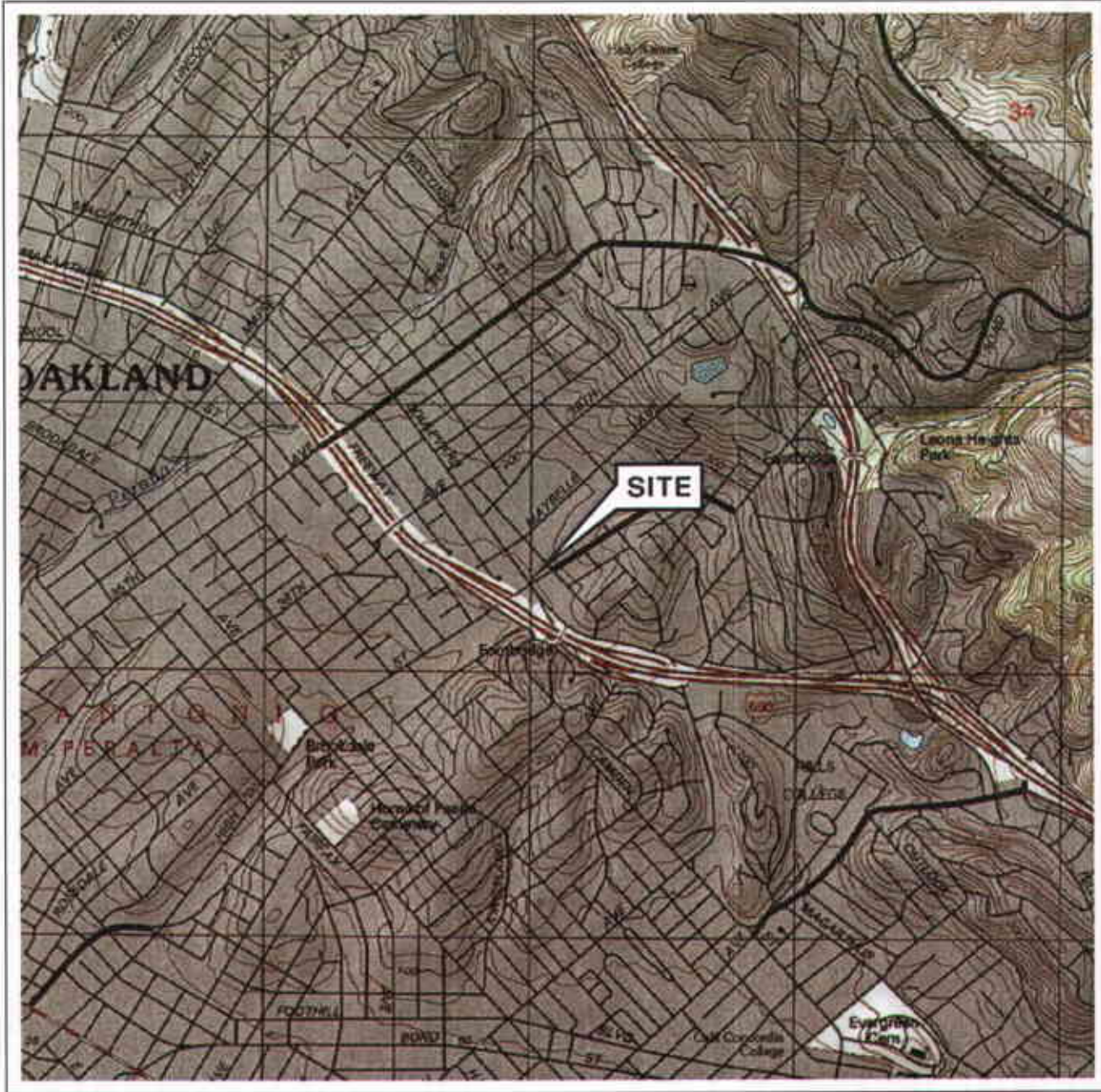
a = Ground water surface had a sheen when sampled.

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

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

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



SCALE 1:24,000



QUADRANGLE LOCATION

SOURCE:

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

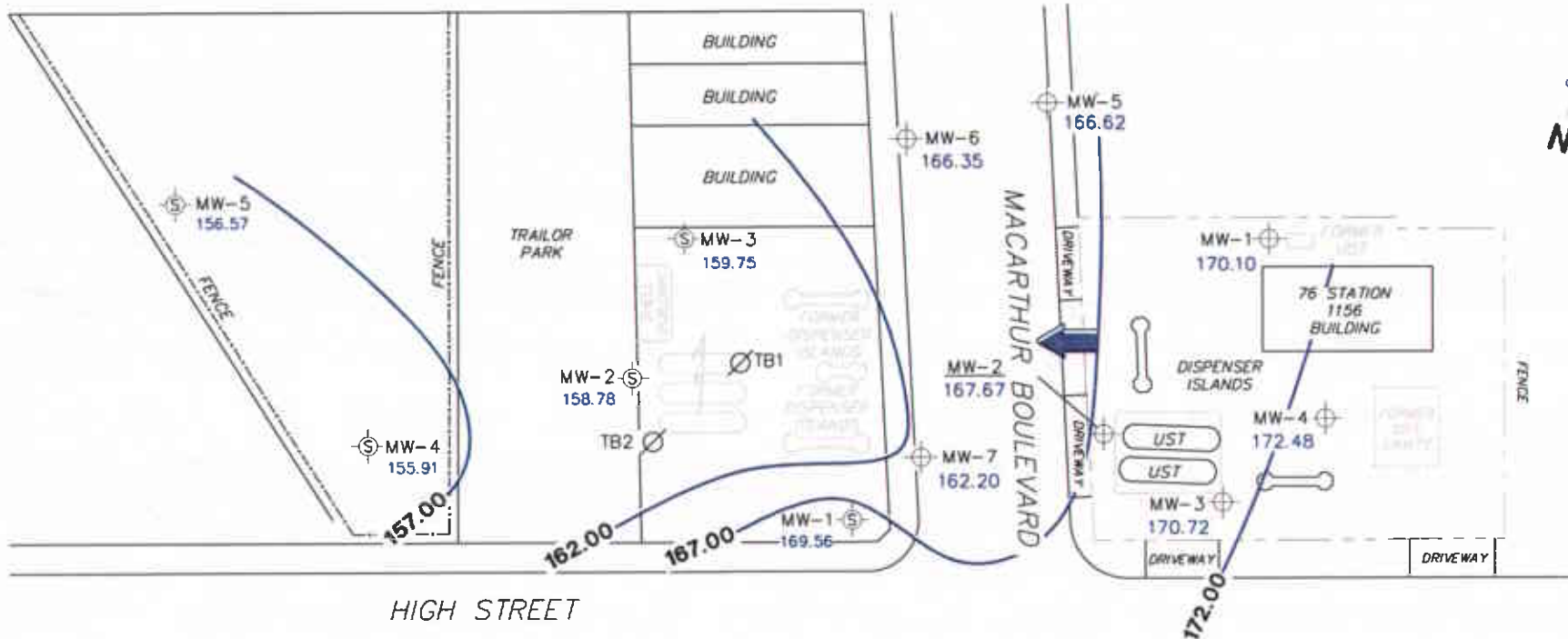
VICINITY MAP

76 Station 1156
4276 MacArthur Boulevard
Oakland, California

FIGURE 1



PS = 1:1



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.

LEGEND

- MW-7 76 Monitoring Well with Groundwater Elevation (feet)
- MW-14 Shell Monitoring Well with Groundwater Elevation
- TB2 Destroyed Shell Well
- 172.00 Groundwater Elevation Contour
- General Direction of Groundwater Flow

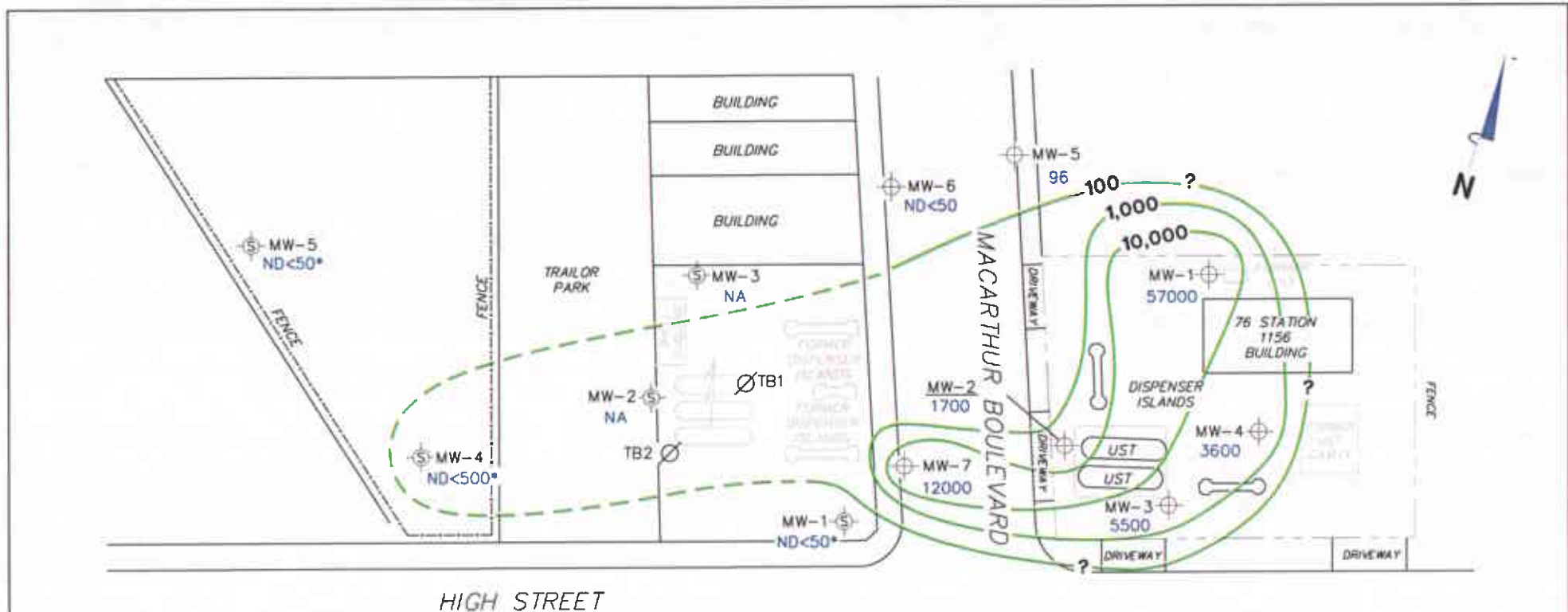
GROUNDWATER ELEVATION CONTOUR MAP
July 12, 2004

76 Station 1156
4276 MacArthur Boulevard
Oakland, California

FIGURE 2



PS=1;1 1156-003



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. TPH-G = total purgeable petroleum hydrocarbons. TPH-G = total petroleum hydrocarbons as gasoline. $\mu\text{g/l}$ = micrograms per liter. TPH results obtained using EPA Method 8260B. TPH-G results obtained using EPA Method 8015. Dashes indicate contour based on non-detect at elevated detection limit. * = TPH. Dashed indicate contour based on non-detect at elevated detection limit. NA = not analyzed, measured, or collected.

LEGEND

- MW-7 76 Station Monitoring Well with Dissolved-Phase TPH-G Concentration ($\mu\text{g/l}$)
- MW-5 Shell Monitoring Well with Dissolved-Phase TPH-G Concentration ($\mu\text{g/l}$)
- TB2 Destroyed Shell Well
- 10,000 Dissolved-Phase TPH-G Contour ($\mu\text{g/l}$)

**DISSOLVED-PHASE TPH-G
CONCENTRATION MAP
July 12, 2004**

76 Station 1156
4276 MacArthur Boulevard
Oakland, California

FIGURE 3

P5=1: 1156-003





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. NA = not analyzed, measured, or collected.

LEGEND

- MW-5 76 Monitoring Well with Dissolved-Phase Benzene Concentration (µg/l)
- MW-7 Shell Monitoring Well
- TB2 Destroyed Shell Well
- Dissolved-Phase Benzene Contour (µg/l)

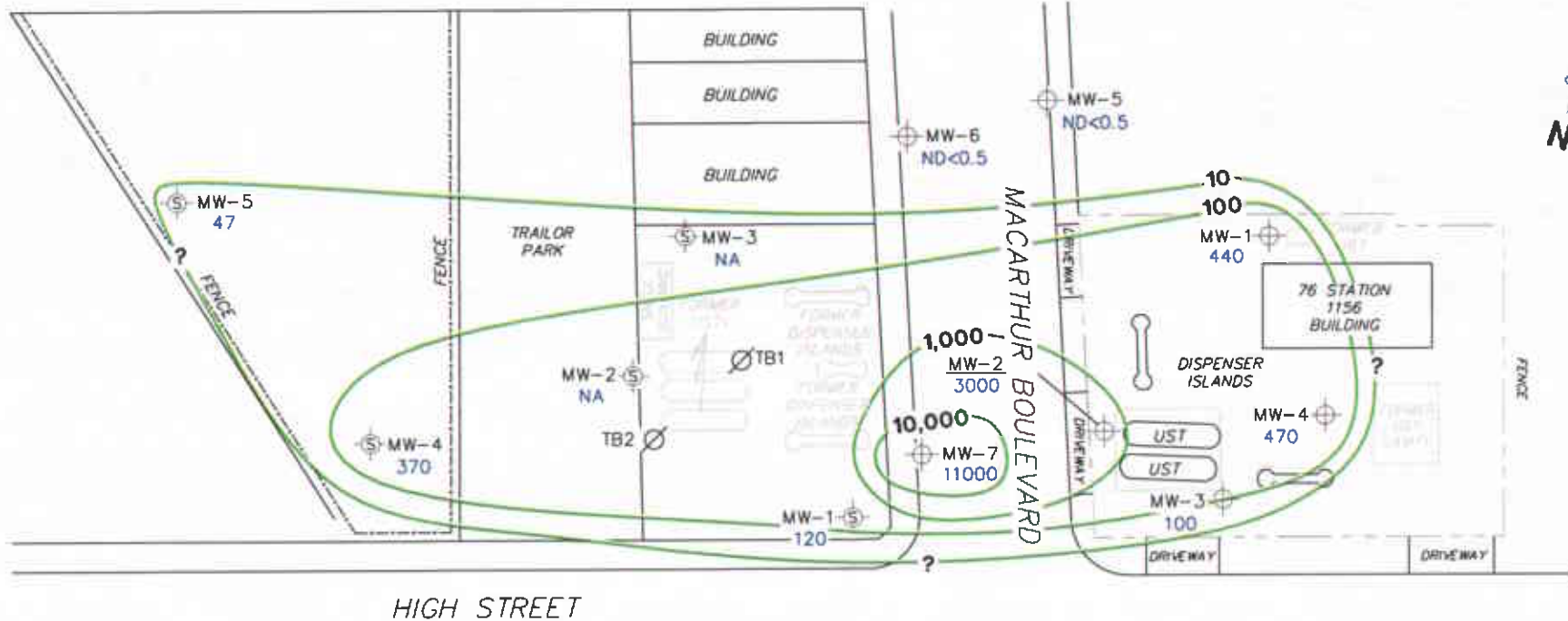
**DISSOLVED-PHASE BENZENE
CONCENTRATION MAP
July 12, 2004**

76 Station 1156
4276 MacArthur Boulevard
Oakland, California

FIGURE 4

PS=1:1 1156-003





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. NA = not analyzed, measured, or collected.

LEGEND

- MW-5 ⊕ 76 Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)
- MW-7 ⊕ Shell Monitoring Well
- TB2 ⊕ Destroyed Shell Well
- 10,000 — Dissolved-Phase MTBE Contour (µg/l)

DISSOLVED-PHASE MTBE CONCENTRATION MAP
July 12, 2004

76 Station 1156
4276 MacArthur Boulevard
Oakland, California

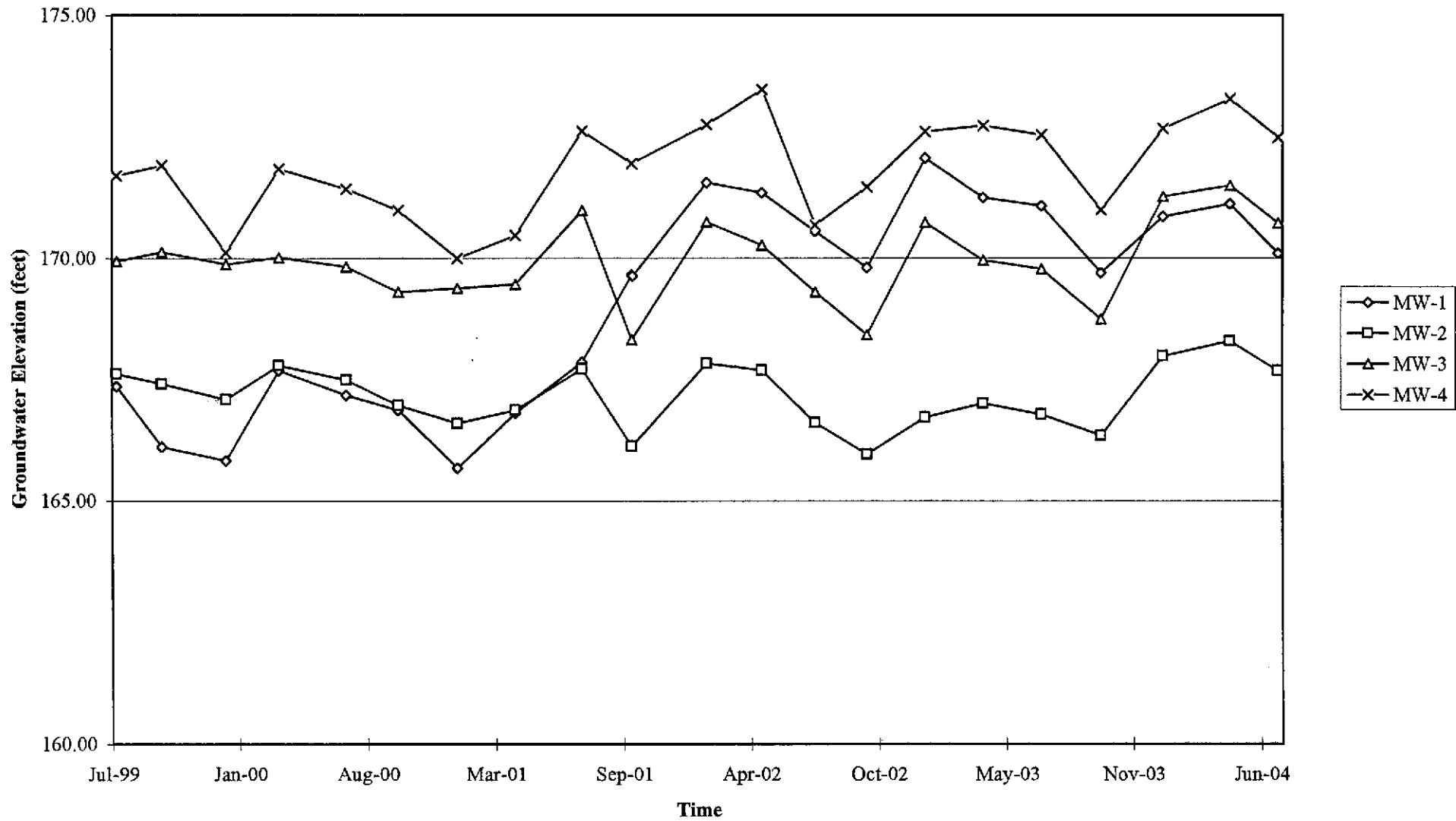
FIGURE 5

TRC

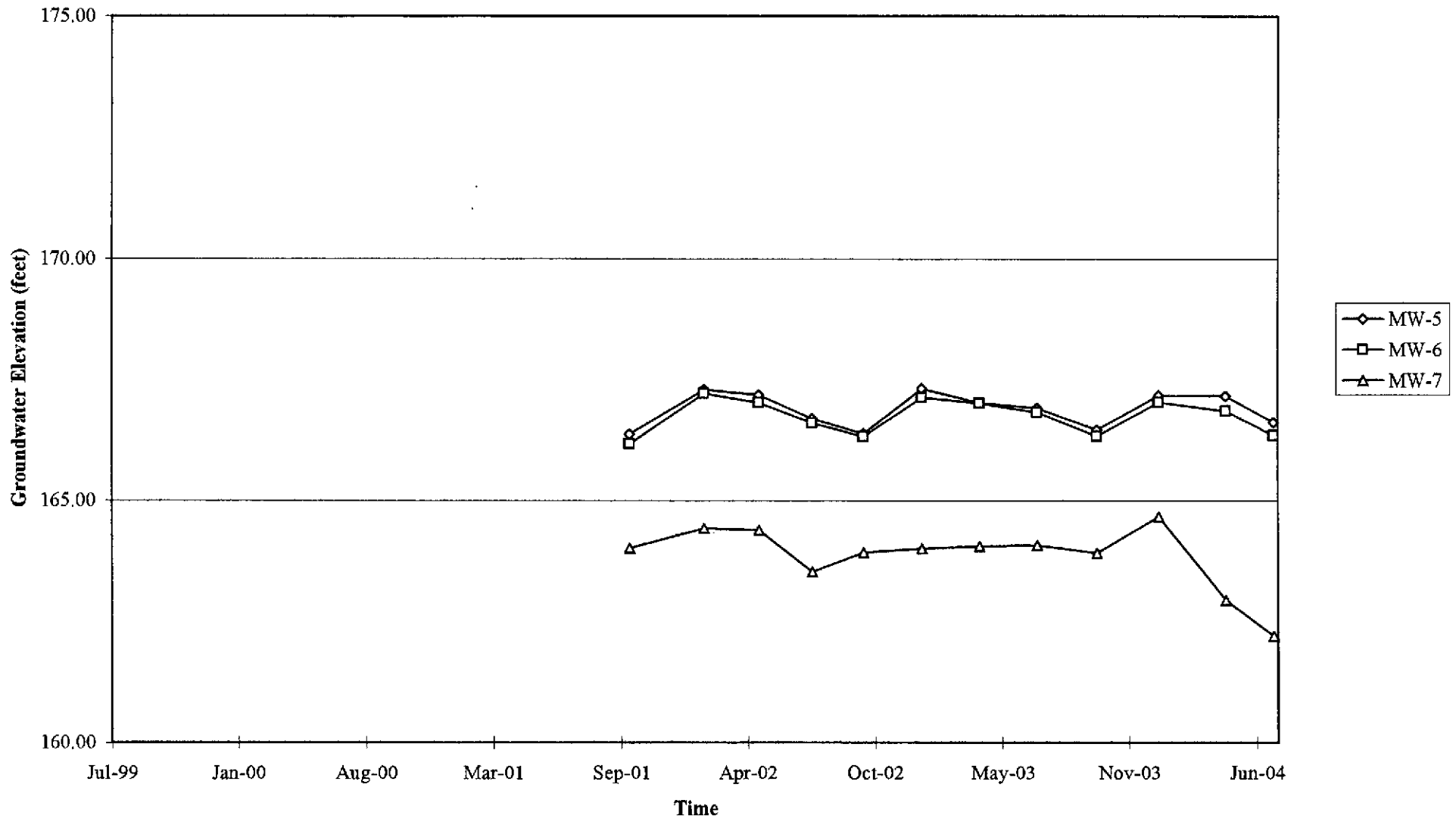


GRAPHS

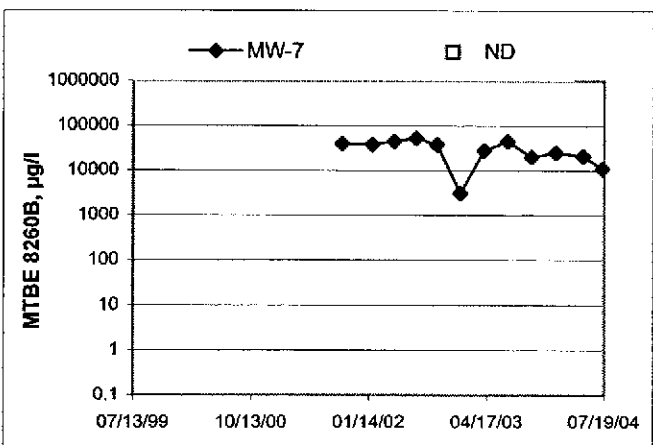
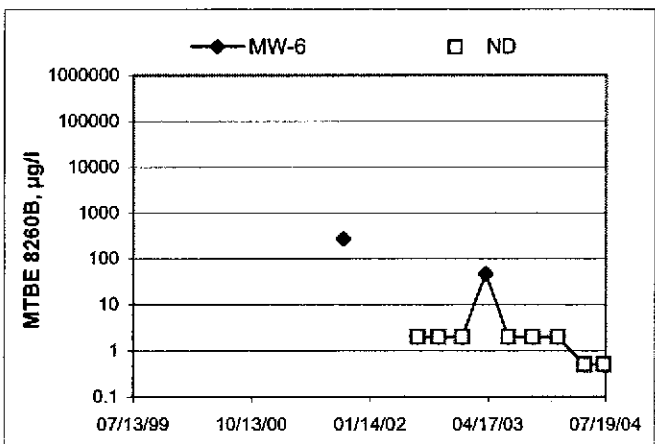
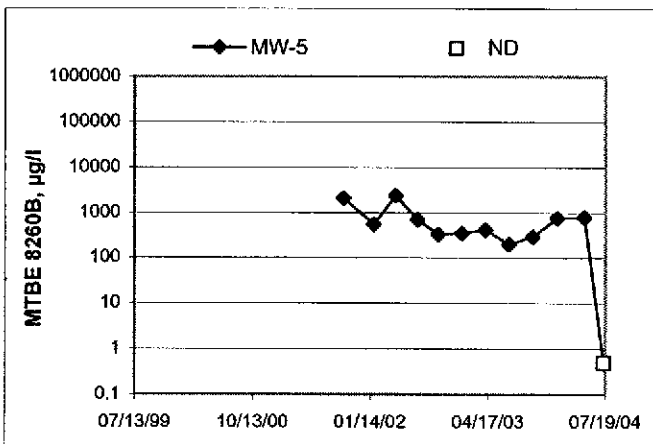
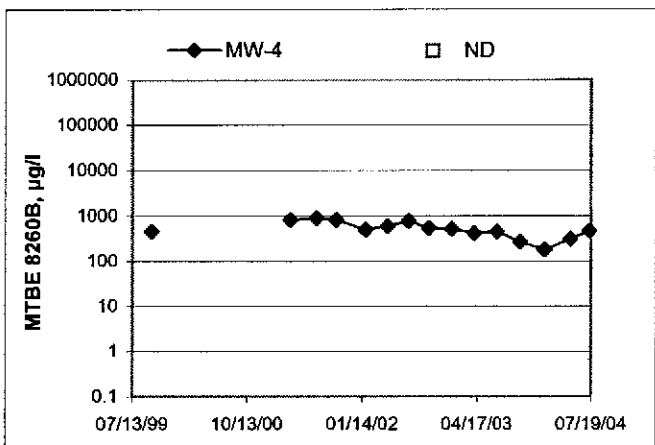
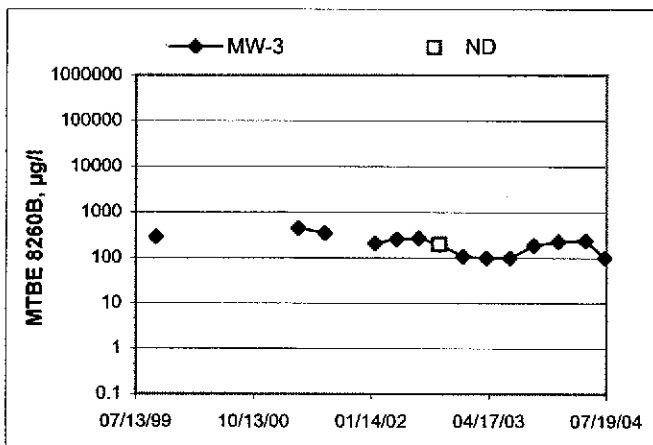
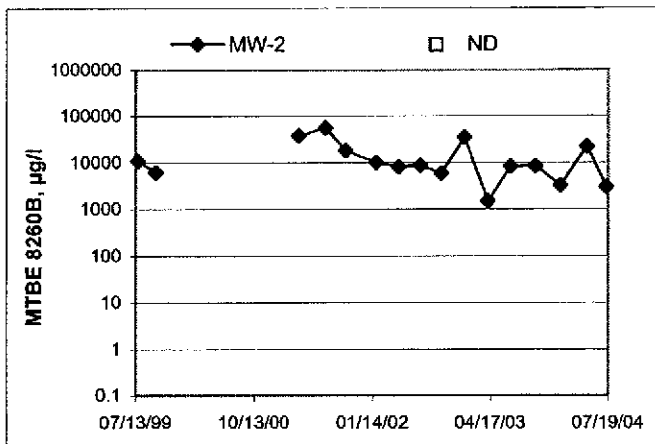
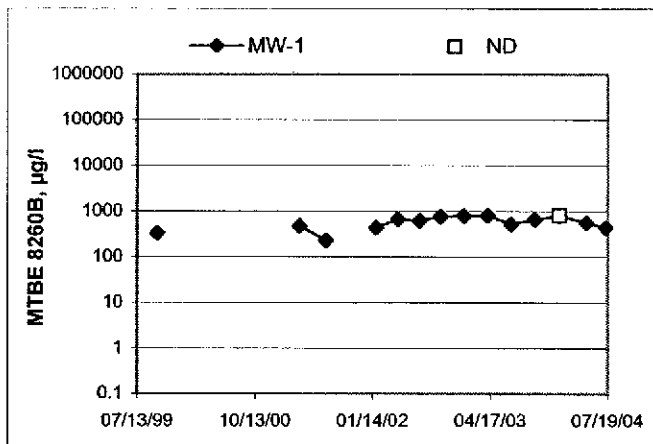
Groundwater Elevations vs. Time
76 Station 1156



Groundwater Elevations vs. Time
76 Station 1156



MTBE 8260B Concentrations vs Time
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.

GROUNDWATER SAMPLING FIELD NOTES

①

Technician: CARRELLIO

Site: 1156

Project No.: 200 41050001

Date: 7.12.04

Well No.: MW-5
 Depth to Water (feet): 2.56
 Total Depth (feet): 25.10
 Water Column (feet): 22.54
 80% Recharge Depth (feet): 7.00

Purge Method: DIA
 Depth to Product (feet): 0
 LPH & Water Recovered (gallons): 0
 Casing Diameter (Inches): 8
 1 Well Volume (gallons): 4

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F.C)	pH	Turbidity	D.O.
07/2012			4	623	19.9	7.56		
			8	646	20.4	7.45		
	2019		12	653	20.9	7.38		
Static at Time Sampled			Total Gallons Purged			Time Sampled		
6.15			12			2025		
Comments:								

Well No.: MW-7
 Depth to Water (feet): 9.44
 Total Depth (feet): 25.40
 Water Column (feet): 15.96
 80% Recharge Depth (feet): 12.63

Purge Method: DIA
 Depth to Product (feet): 0
 LPH & Water Recovered (gallons): 0
 Casing Diameter (Inches): 8
 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.
2059			3	962	19.5	6.84		
			6	977	20.2	6.97		
	2105		9	986	21.0	7.05		
Static at Time Sampled			Total Gallons Purged			Time Sampled		
12.40			9			2230		
Comments:								

GROUNDWATER SAMPLING FIELD NOTES

②

Technician: CARRILLO
 Site: 1156 Project No.: 41050001 Date: 7-12-04

Well No.: MW-2 Purge Method: DIA
 Depth to Water (feet): 5.83 Depth to Product (feet): 0
 Total Depth (feet): 25.39 LPH & Water Recovered (gallons): 0
 Water Column (feet): 19.56 Casing Diameter (Inches): 2
 80% Recharge Depth (feet): 9.74 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.
2120			3	912	19.8	7.01		
			6	900	20.4	7.09		
	2126		9	891	20.7	7.17		
Static at Time Sampled		Total Gallons Purged			Time Sampled			
13.18		9			2326			
Comments: <u>NOT RECOVERED 80% IN 2 HRS</u>								

Well No.: MW-6 Purge Method: DIA
 Depth to Water (feet): 2.69 Depth to Product (feet): 0
 Total Depth (feet): 24.90 LPH & Water Recovered (gallons): 0
 Water Column (feet): 22.21 Casing Diameter (Inches): 2
 80% Recharge Depth (feet): 7.13 1 Well Volume (gallons): 4

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F,C)	pH	Turbidity	D.O.
2037			4	784	19.5	7.49		
			8	760	19.9	7.30		
	2045		12	757	20.5	7.23		
Static at Time Sampled		Total Gallons Purged			Time Sampled			
6.84		12			2050			
Comments:								

3

GROUNDWATER SAMPLING FIELD NOTES

Technician: CARULLO

Site: 1156

Project No.: 41050001

Date: 7-12-04

Well No.: MW-4

Purge Method: DIA

Depth to Water (feet): 6.48

Depth to Product (feet): 0

Total Depth (feet): 25.25

LPH & Water Recovered (gallons): 0

Water Column (feet): 18.77

Casing Diameter (Inches): 2

80% Recharge Depth (feet): 10.23

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.
2135			3	863	19.7	7.05		
			6	851	20.3	6.93		
	2141		9	848	20.9	6.84		
Static at Time Sampled		Total Gallons Purged			Time Sampled			
11.08		9			2340			
Comments: <u>NOT RECOVERED @ 90% IN 2 HRS</u>								

Well No.: MW-3

Purge Method: DIA

Depth to Water (feet): 7.41

Depth to Product (feet): 0

Total Depth (feet): 25.00

LPH & Water Recovered (gallons): 0

Water Column (feet): 17.59

Casing Diameter (Inches): 2

80% Recharge Depth (feet): 10.92

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.
2150			3	826	20.1	7.00		
			6	811	19.4	6.87		
	2155		9	804	19.9	6.75		
Static at Time Sampled		Total Gallons Purged			Time Sampled			
10.05		9			2245			
Comments:								

GROUNDWATER SAMPLING FIELD NOTES

④

Technician: Carullo

Site: 1156

Project No.: 4105009

Date: 7-12-04

Well No.: MW-1

Purge Method: DIA

Depth to Water (feet): 7.44

Depth to Product (feet): 0

Total Depth (feet): 25.05

LPH & Water Recovered (gallons): 0

Water Column (feet): 17.61

Casing Diameter (Inches): 2

80% Recharge Depth (feet): 10.96

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.
2204			3	926	19.5	7.21		
			6	910	20.3	7.07		
	2210		9	907	20.9	7.00		
Static at Time Sampled			Total Gallons Purged			Time Sampled		
9.21			9			2310		
Comments:								

Well No.: _____

Purge Method: _____

Depth to Water (feet): _____

Depth to Product (feet): _____

Total Depth (feet): _____

LPH & Water Recovered (gallons): _____

Water Column (feet): _____

Casing Diameter (Inches): _____

80% Recharge Depth (feet): _____

1 Well Volume (gallons): _____

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

**Laboratories, Inc****Cover Report**

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

Project Number: 1156
COC Number:
BCL Number: 04-07313

Dear Anju 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.

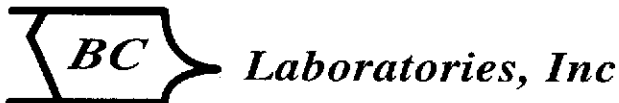
All applicable quality control procedures met method-specific acceptance criteria, except as noted on the following analytical and quality control reports.

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California DOHS Certification #1186

A handwritten signature in cursive script that reads "Sharen Maurer". The signature is written in black ink and is positioned above a horizontal line.

Authorized Signature



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 IRVINE, CA 92618-2302
 Attn: ANJU FARFAN

Volatile Organic Analysis (EPA Method 8260)

COC Number		---										Receive Date/Time		07/15/2004 @ 20:55	
Project Number		1156										Sampling Date/Time		07/12/2004 @ 23:10	
Sampling Location		---										Sample Depth		---	
Sampling Point		MW-1										Sample Matrix		Groundwater	
Sampled By		Carrillo										BCL Sample ID		04-07313-1	
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals	
Benzene	6900	ug/L	200	15	8260	07/21/04	07/21/04	13:01	MGC	MS-V5	250	317-100800	ND	L02	
Bromodichloromethane	< PQL	ug/L	10	1.8	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	317-100800	ND		
Bromoform	< PQL	ug/L	10	1.3	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	317-100800	ND		
Bromomethane	< PQL	ug/L	20	7.0	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	317-100800	ND	V11	
Carbon tetrachloride	< PQL	ug/L	10	1.3	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	317-100800	ND		
Chlorobenzene	< PQL	ug/L	10	1.7	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	317-100800	ND		
Chloroethane	< PQL	ug/L	10	5.7	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	317-100800	ND		
Chloroform	< PQL	ug/L	10	3.8	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	317-100800	ND		
Chloromethane	< PQL	ug/L	10	0.80	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	317-100800	ND		
Dibromochloromethane	< PQL	ug/L	10	2.3	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	317-100800	ND		
1,2-Dibromoethane	< PQL	ug/L	10	3.3	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	317-100800	ND		
1,2-Dichlorobenzene	< PQL	ug/L	10	1.5	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	317-100800	ND		
1,3-Dichlorobenzene	< PQL	ug/L	10	2.2	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	317-100800	ND		
1,4-Dichlorobenzene	< PQL	ug/L	10	1.5	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	317-100800	ND		
Dichlorodifluoromethane	< PQL	ug/L	10	2.1	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	317-100800	ND		
1,1-Dichloroethane	< PQL	ug/L	10	1.9	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	317-100800	ND		
1,2-Dichloroethane	< PQL	ug/L	10	1.8	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	317-100800	ND		
1,1-Dichloroethene	< PQL	ug/L	10	1.1	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	317-100800	ND		
cis-1,2-Dichloroethene	< PQL	ug/L	10	2.4	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	317-100800	ND		
trans-1,2-Dichloroethene	< PQL	ug/L	10	1.7	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	317-100800	ND		
1,2-Dichloropropane	< PQL	ug/L	10	1.7	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	317-100800	ND		
cis-1,3-Dichloropropene	< PQL	ug/L	10	2.0	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	317-100800	ND		
trans-1,3-Dichloropropene	< PQL	ug/L	10	1.4	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	317-100800	ND		

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Volatile Organic Analysis (EPA Method 8260)

Sample Description		1156, MW-1, 07/12/2004 @ 23:10, Carrillo												
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quais
Ethylbenzene	1600	ug/L	10	1.1	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	317-100800	ND	
Methylene chloride	< PQL	ug/L	20	3.3	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	317-100800	ND	
1,1,2,2-Tetrachloroethane	< PQL	ug/L	10	2.5	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	317-100800	ND	
Tetrachloroethene	< PQL	ug/L	10	1.9	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	317-100800	ND	
Toluene	16000	ug/L	200	16	8260	07/21/04	07/21/04	13:01	MGC	MS-V5	250	317-100800	ND	L02
1,1,1-Trichloroethane	< PQL	ug/L	10	1.3	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	317-100800	ND	
1,1,2-Trichloroethane	< PQL	ug/L	10	2.4	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	317-100800	ND	
Trichloroethene	< PQL	ug/L	10	1.4	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	317-100800	ND	
Trichlorofluoromethane	< PQL	ug/L	10	1.2	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	317-100800	ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	< PQL	ug/L	10	2.5	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	317-100800	ND	
Vinyl chloride	< PQL	ug/L	10	1.2	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	317-100800	ND	
Total Xylenes	9700	ug/L	300	37	8260	07/21/04	07/21/04	13:01	MGC	MS-V5	250	317-100800	ND	
p- & m-Xylenes	6600	ug/L	200	25	8260	07/21/04	07/21/04	13:01	MGC	MS-V5	250	317-100800	ND	
o-Xylene	3100	ug/L	200	12	8260	07/21/04	07/21/04	13:01	MGC	MS-V5	250	317-100800	ND	
Total Trihalomethanes	< PQL	ug/L	40	9.0	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	317-100800	ND	
t-Amyl Methyl ether	< PQL	ug/L	20	2.4	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	318-100800	ND	
t-Butyl alcohol	1100	ug/L	300	73	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	318-100800	ND	
Diisopropyl ether	< PQL	ug/L	20	2.6	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	318-100800	ND	
Ethanol	< PQL	ug/L	20000	570	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	318-100800	ND	
Ethyl t-butyl ether	< PQL	ug/L	20	2.9	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	318-100800	ND	
Methyl t-butyl ether	440	ug/L	10	1.6	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	317-100800	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 Quais	
1,2-Dichloroethane-d4	111	%	76-114	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	317-100800			
Toluene-d8	103	%	88-110	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	317-100800			
4-Bromofluorobenzene	95	%	86-115	8260	07/20/04	07/20/04	11:43	MGC	MS-V5	20	317-100800			

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Laboratories, Inc

Volatile Organic Analysis (EPA Method 8260)

Sample Description	1156, MW-1, 07/12/2004 @ 23:10, Carrillo
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Flag	Explanations
L02	The Laboratory Control Sample Water (LCSW) recovery is not within method established control limits.
V11	The Continuing Calibration Verification (CCV) recovery is not within established control limits.
Comments	
PQL's and MDL's are raised due to sample dilution.	

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 IRVINE, CA 92618-2302
 Attn: ANJU FARFAN

Purgeable Aromatics and Total Petroleum Hydrocarbons

COC Number	---										Receive Date/Time	07/15/2004 @ 20:55			
Project Number	1156										Sampling Date/Time	07/12/2004 @ 23:10			
Sampling Location	---										Sample Depth	---			
Sampling Point	MW-1										Sample Matrix	Groundwater			
Sampled By	Carrillo										BCL Sample ID	04-07313-1			
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals	
Benzene	3800	ug/L	0.3	0.041	8021B	07/22/04	07/22/04	12:27	TLF	GC-V2	1	295-100417	ND	Q02, S01, S09	
Toluene	7200	ug/L	0.3	0.13	8021B	07/22/04	07/22/04	12:27	TLF	GC-V2	1	295-100417	ND	Q02, S01, S09	
Ethylbenzene	1600	ug/L	0.3	0.087	8021B	07/22/04	07/22/04	12:27	TLF	GC-V2	1	295-100417	ND	Q02, S01, S09	
Methyl t-butyl ether	490	ug/L	1	0.041	8021B	07/22/04	07/22/04	12:27	TLF	GC-V2	1	295-100417	ND	Q02, S01, S09	
Total Xylenes	580	ug/L	0.6	0.087	8021B	07/22/04	07/22/04	12:27	TLF	GC-V2	1	295-100417	ND	Q02, S01, S09	
Gasoline Range Organics (C4 - C12)	57000	ug/L	50	8.0	8015M	07/22/04	07/22/04	12:27	TLF	GC-V2	1	295-100417	ND	S01, S09	
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	254	%	70-130		8021B	07/22/04	07/22/04	12:27	TLF	GC-V2	1	295-100417		S01, S09	
a,a,a-Trifluorotoluene (8015 Surrogate)	194	%	70-130		8015M	07/22/04	07/22/04	12:27	TLF	GC-V2	1	295-100417		S01, S09	

**BC Laboratories, Inc**

Purgeable Aromatics and Total Petroleum Hydrocarbons

Sample Description	1156, MW-1, 07/12/2004 @ 23:10, Carrillo
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Flag	Explanations
Q02	Matrix spike precision is not within the control limits.
S01	Sample result is not within the quantitation range of the method.
S09	The surrogate recovery on the sample for this compound was not within the control limits.

California DOHS Certification #1186

Printed 08/11/2004 09:48:45

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04-07313-1



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 Attn: ANJU FARFAN

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270)

COC Number		---							Receive Date/Time		07/15/2004 @ 20:55			
Project Number		1156							Sampling Date/Time		07/12/2004 @ 23:10			
Sampling Location		---							Sample Depth		---			
Sampling Point		MW-1							Sample Matrix		Groundwater			
Sampled By		Carrillo							BCL Sample ID		04-07313-1			
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quais
Acenaphthene	< PQL	ug/L	2	0.27	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	
Acenaphthylene	< PQL	ug/L	2	0.26	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	
Aldrin	< PQL	ug/L	2	0.46	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	
Aniline	< PQL	ug/L	5	0.73	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	
Anthracene	< PQL	ug/L	2	0.25	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	
Benzidine	< PQL	ug/L	20	5.4	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	C02, V11
Benzo[a]anthracene	< PQL	ug/L	2	0.36	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	
Benzo[b]fluoranthene	< PQL	ug/L	2	0.42	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	M06
Benzo[k]fluoranthene	< PQL	ug/L	2	0.20	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	M06
Benzo[a]pyrene	< PQL	ug/L	2	0.32	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	M06
Benzo[g,h,i]perylene	< PQL	ug/L	2	0.67	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	M06
Benzoic acid	36	ug/L	10	1.4	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	
Benzyl alcohol	< PQL	ug/L	2	0.31	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	
Benzyl butyl phthalate	< PQL	ug/L	2	0.75	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	
alpha-BHC	< PQL	ug/L	2	0.31	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	
beta-BHC	< PQL	ug/L	2	0.45	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	
delta-BHC	< PQL	ug/L	2	0.34	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	
gamma-BHC (Lindane)	< PQL	ug/L	2	0.42	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	
bis(2-Chloroethyl) ether	< PQL	ug/L	2	0.38	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	
bis(2-Chloroethoxy)methane	< PQL	ug/L	2	0.38	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	
bis(2-Chloro-1-methylethyl) ether	< PQL	ug/L	2	0.29	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	
bis(2-Ethylhexyl)phthalate	< PQL	ug/L	5	1.4	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	
4-Bromophenyl phenyl ether	< PQL	ug/L	2	0.42	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	

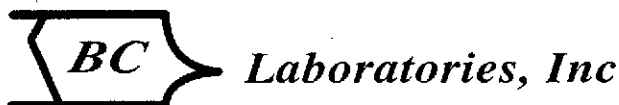
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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270)

Sample Description		1156, MW-1, 07/12/2004 @ 23:10, Carrillo													
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals	
4-Chloroaniline	< PQL	ug/L	2	0.67	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND		
2-Chloronaphthalene	< PQL	ug/L	2	0.32	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND		
4-Chlorophenyl phenyl ether	< PQL	ug/L	2	0.28	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND		
Chrysene	< PQL	ug/L	2	0.44	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND		
4,4'-DDD	< PQL	ug/L	2	1.4	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND		
4,4'-DDE	< PQL	ug/L	3	1.3	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	v11	
4,4'-DDT	< PQL	ug/L	2	1.7	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	v11	
Dibenzo[a,h]anthracene	< PQL	ug/L	3	0.69	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	M06, V11	
Dibenzofuran	< PQL	ug/L	2	0.30	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND		
Di-n-butyl phthalate	< PQL	ug/L	2	0.32	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND		
1,2-Dichlorobenzene	< PQL	ug/L	2	0.33	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND		
1,3-Dichlorobenzene	< PQL	ug/L	2	0.35	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND		
1,4-Dichlorobenzene	< PQL	ug/L	2	0.40	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND		
3,3-Dichlorobenzidine	< PQL	ug/L	10	2.6	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	v11	
Dieldrin	< PQL	ug/L	3	1.6	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	v11	
Diethyl phthalate	< PQL	ug/L	2	0.40	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND		
Dimethyl phthalate	< PQL	ug/L	2	0.25	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND		
2,4-Dinitrotoluene	< PQL	ug/L	2	0.24	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	L01, v11	
2,6-Dinitrotoluene	< PQL	ug/L	2	0.30	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND		
Di-n-octyl phthalate	< PQL	ug/L	2	0.68	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND		
1,2-Diphenylhydrazine	< PQL	ug/L	2	0.21	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND		
Endosulfan I	< PQL	ug/L	10	0.75	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	v11	
Endosulfan II	< PQL	ug/L	10	0.56	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND		
Endosulfan sulfate	< PQL	ug/L	3	1.4	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND		
Endrin	< PQL	ug/L	2	1.9	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	v11	
Endrin aldehyde	< PQL	ug/L	10	4.1	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND		
Fluoranthene	< PQL	ug/L	2	0.24	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND		
Fluorene	< PQL	ug/L	2	0.33	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND		
Heptachlor	< PQL	ug/L	2	0.32	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND		
Heptachlor epoxide	< PQL	ug/L	2	0.55	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND		
Hexachlorobenzene	< PQL	ug/L	2	0.45	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	Q03, L01	
Hexachlorobutadiene	< PQL	ug/L	2	0.38	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND		
Hexachlorocyclopentadiene	< PQL	ug/L	2	0.71	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	v11	
Hexachloroethane	< PQL	ug/L	2	0.46	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND		

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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270)

Sample Description		1156, MW-1, 07/12/2004 @ 23:10, Carrillo												
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quails
Indeno[1,2,3-cd]pyrene	< PQL	ug/L	2	0.62	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	M06, V11
Isophorone	< PQL	ug/L	2	0.36	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	
2-Methylnaphthalene	170	ug/L	10	1.6	8270	07/19/04	07/27/04	15:04	SKC	MS-B2	5.05	290-100692	ND	A09, S09
Naphthalene	450	ug/L	10	1.7	8270	07/19/04	07/27/04	15:04	SKC	MS-B2	5.05	290-100692	ND	A09
2-Naphthylamine	< PQL	ug/L	20	4.2	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	
2-Nitroaniline	< PQL	ug/L	2	0.30	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	
3-Nitroaniline	< PQL	ug/L	2	0.50	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	
4-Nitroaniline	< PQL	ug/L	5	0.29	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	V11
Nitrobenzene	< PQL	ug/L	2	0.27	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	
N-Nitrosodimethylamine	< PQL	ug/L	2	0.18	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	
N-Nitrosodiphenylamine	< PQL	ug/L	2	0.31	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	
N-Nitrosodi-N-propylamine	< PQL	ug/L	2	0.42	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	
Phenanthrene	< PQL	ug/L	2	0.27	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	
Pyrene	< PQL	ug/L	2	0.82	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	V11
1,2,4-Trichlorobenzene	< PQL	ug/L	2	0.36	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	
4-Chloro-3-methylphenol	< PQL	ug/L	5	0.33	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	M07
2-Chlorophenol	< PQL	ug/L	2	0.28	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	L01
2,4-Dichlorophenol	< PQL	ug/L	2	0.31	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	
2,4-Dimethylphenol	29	ug/L	2	0.59	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	
2,4-Dinitrophenol	< PQL	ug/L	10	0.31	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	M07
2-Methyl-4,6-dinitrophenol	< PQL	ug/L	10	0.22	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	M07
2-Methylphenol	26	ug/L	2	0.37	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	
3- & 4-Methylphenol	42	ug/L	2	0.61	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	
2-Nitrophenol	< PQL	ug/L	2	0.36	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	
4-Nitrophenol	< PQL	ug/L	2	0.17	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	Q03, L01, M07, V11
Pentachlorophenol	< PQL	ug/L	10	0.43	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	M07
Phenol	< PQL	ug/L	2	0.19	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	L01
2,4,5-Trichlorophenol	< PQL	ug/L	5	0.37	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	M07
2,4,6-Trichlorophenol	< PQL	ug/L	5	0.40	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692	ND	M07
Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quails	
2-Fluorophenol	28	%	34-84	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692		S09	
Phenol-d5	50	%	22-70	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692			

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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270)

Sample Description		1156, MW-1, 07/12/2004 @ 23:10, Carrillo											
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
Nitrobenzene-d5	85	%	63-111	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692		
2-Fluorobiphenyl	71	%	55-104	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692		
2,4,6-Tribromophenol	122	%	61-131	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692		M07
p-Terphenyl-d14	89	%	47-119	8270	07/19/04	07/22/04	17:00	SKC	MS-B2	1.01	290-100692		

Flag	Explanations
A09	PQL's were raised due to high concentration of target analytes requiring sample dilution.
C02	The relative standard deviation of the calibration curve response factors exceeds the control limit.
L01	The Laboratory Control Sample Water (LCSW) recovery is not within laboratory established control limits.
M06	The internal standard on the Method Blank was not within the control limits.
M07	The surrogate recovery on the Method Blank for this compound was not within the control limits.
Q03	Matrix spike recovery is not within the control limits.
S09	The surrogate recovery on the sample for this compound was not within the control limits.
V11	The Continuing Calibration Verification (CCV) recovery is not within established control limits.

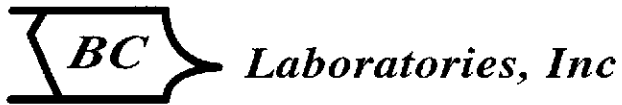
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04-07313-1



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Fuel Identification / Quantitation Summary (EPA Method 8015M)

COC Number		---								Receive Date/Time		07/15/2004 @ 20:55			
Project Number		1156								Sampling Date/Time		07/12/2004 @ 23:10			
Sampling Location		---								Sample Depth		---			
Sampling Point		MW-1								Sample Matrix		Groundwater			
Sampled By		Carrillo								BCL Sample ID		04-07313-1			
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quais	
Diesel Range Organics (C12 - C24)	270	ug/L	200.	66.	8015M	07/19/04	07/28/04	19:27	MAA	GC-13A	1			A52	
Surrogate Compounds	Result	Units	Control Limits		Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quais	
Tetracosane	85	%	53-124		8015M	07/19/04	07/28/04	19:27	MAA	GC-13A	1				

Flag	Explanations
A52	Chromatogram not typical of diesel.
Comments	
C13-C22 analyzed as diesel.	

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Purgeable Aromatics and Total Petroleum Hydrocarbons

COC Number	---	Receive Date/Time	07/15/2004 @ 20:55
Project Number	1156	Sampling Date/Time	07/12/2004 @ 20:25
Sampling Location	---	Sample Depth	---
Sampling Point	MW-5	Sample Matrix	Groundwater
Sampled By	Carrillo	BCL Sample ID	04-07313-2

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	1.8	ug/L	0.3	0.041	8021B	07/22/04	07/22/04	12:53	TLF	GC-V2	1	295-100417	ND	Q02
Toluene	3.3	ug/L	0.3	0.13	8021B	07/22/04	07/22/04	12:53	TLF	GC-V2	1	295-100417	ND	Q02
Ethylbenzene	0.54	ug/L	0.3	0.087	8021B	07/22/04	07/22/04	12:53	TLF	GC-V2	1	295-100417	ND	Q02
Methyl t-butyl ether	2.8	ug/L	1	0.041	8021B	07/22/04	07/22/04	12:53	TLF	GC-V2	1	295-100417	ND	Q02
Total Xylenes	3.6	ug/L	0.6	0.087	8021B	07/22/04	07/22/04	12:53	TLF	GC-V2	1	295-100417	ND	Q02
Gasoline Range Organics (C4 - C12)	96	ug/L	50	8.0	8015M	07/22/04	07/22/04	12:53	TLF	GC-V2	1	295-100417	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	106	%	70-130		8021B	07/22/04	07/22/04	12:53	TLF	GC-V2	1	295-100417		
a,a,a-Trifluorotoluene (8015 Surrogate)	101	%	70-130		8015M	07/22/04	07/22/04	12:53	TLF	GC-V2	1	295-100417		

Flag	Explanations
Q02	Matrix spike precision is not within the control limits.

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04-07313-2



TRC ALTON GEOSCIENCE
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Volatile Organic Analysis (EPA Method 8260)

COC Number						---						Receive Date/Time		07/15/2004 @ 20:55	
Project Number						1156						Sampling Date/Time		07/12/2004 @ 20:25	
Sampling Location						---						Sample Depth		---	
Sampling Point						MW-5						Sample Matrix		Groundwater	
Sampled By						Carrillo						BCL Sample ID		04-07313-2	
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quais	
1,2-Dibromoethane	< PQL	ug/L	0.5	0.17	8260	07/19/04	07/19/04	18:27	MGC	MS-V5	1	317-100800	ND		
1,2-Dichloroethane	0.76	ug/L	0.5	0.086	8260	07/19/04	07/19/04	18:27	MGC	MS-V5	1	317-100800	ND		
t-Amyl Methyl ether	< PQL	ug/L	1	0.12	8260	07/19/04	07/19/04	18:27	MGC	MS-V5	1	318-100800	ND		
t-Butyl alcohol	< PQL	ug/L	12	3.7	8260	07/19/04	07/19/04	18:27	MGC	MS-V5	1	318-100800	ND		
Diisopropyl ether	< PQL	ug/L	1	0.13	8260	07/19/04	07/19/04	18:27	MGC	MS-V5	1	318-100800	ND		
Ethanol	< PQL	ug/L	800	29	8260	07/19/04	07/19/04	18:27	MGC	MS-V5	1	318-100800	ND		
Ethyl t-butyl ether	< PQL	ug/L	1	0.15	8260	07/19/04	07/19/04	18:27	MGC	MS-V5	1	318-100800	ND		
Methyl t-butyl ether	< PQL	ug/L	0.5	0.076	8260	07/19/04	07/19/04	18:27	MGC	MS-V5	1	317-100800	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 Quais	
1,2-Dichloroethane-d4	106	%	76-114		8260	07/19/04	07/19/04	18:27	MGC	MS-V5	1	317-100800			
Toluene-d8	106	%	88-110		8260	07/19/04	07/19/04	18:27	MGC	MS-V5	1	317-100800			
4-Bromofluorobenzene	98	%	86-115		8260	07/19/04	07/19/04	18:27	MGC	MS-V5	1	317-100800			

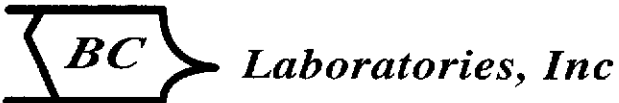
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04-07313-2



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

Purgeable Aromatics and Total Petroleum Hydrocarbons

COC Number		---								Receive Date/Time		07/15/2004 @ 20:55		
Project Number		1156								Sampling Date/Time		07/12/2004 @ 22:30		
Sampling Location		---								Sample Depth		---		
Sampling Point		MW-7								Sample Matrix		Groundwater		
Sampled By		Carrillo								BCL Sample ID		04-07313-3		
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quails
Benzene	28	ug/L	0.3	0.041	8021B	07/22/04	07/22/04	13:19	TLF	GC-V2	1	295-100417	ND	Q02
Toluene	14	ug/L	0.3	0.13	8021B	07/22/04	07/22/04	13:19	TLF	GC-V2	1	295-100417	ND	Q02
Ethylbenzene	330	ug/L	0.3	0.087	8021B	07/22/04	07/22/04	13:19	TLF	GC-V2	1	295-100417	ND	Q02, S01
Methyl t-butyl ether	12000	ug/L	100	4.1	8021B	07/26/04	07/26/04	13:02	TLF	GC-V2	100	295-100416	ND	A01, S01
Total Xylenes	200	ug/L	60	8.7	8021B	07/26/04	07/26/04	13:02	TLF	GC-V2	100	295-100416	ND	A01
Gasoline Range Organics (C4 - C12)	12000	ug/L	5000	800	8015M	07/26/04	07/26/04	13:02	TLF	GC-V2	100	295-100416	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 Quails	
a,a,a-Trifluorotoluene	98	%	70-130	8021B	07/26/04	07/26/04	13:02	TLF	GC-V2	100	295-100416			
a,a,a-Trifluorotoluene (8015 Surrogate)	101	%	70-130	8015M	07/26/04	07/26/04	13:02	TLF	GC-V2	100	295-100416			

Flag	Explanations
A01	PQL's and MDL's are raised due to sample dilution.
Q02	Matrix spike precision is not within the control limits.
S01	Sample result is not within the quantitation range of the method.

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Volatile Organic Analysis (EPA Method 8260)

COC Number	---	Receive Date/Time	07/15/2004 @ 20:55
Project Number	1156	Sampling Date/Time	07/12/2004 @ 22:30
Sampling Location	---	Sample Depth	---
Sampling Point	MW-7	Sample Matrix	Groundwater
Sampled By	Carrillo	BCL Sample ID	04-07313-3

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	5	1.7	8260	07/20/04	07/20/04	23:31	MGC	MS-V5	10	317-100800	ND	
1,2-Dichloroethane	5.1	ug/L	5	0.86	8260	07/20/04	07/20/04	23:31	MGC	MS-V5	10	317-100800	ND	
t-Amyl Methyl ether	< PQL	ug/L	10	1.2	8260	07/20/04	07/20/04	23:31	MGC	MS-V5	10	318-100800	ND	
t-Butyl alcohol	4600	ug/L	200	37	8260	07/20/04	07/20/04	23:31	MGC	MS-V5	10	318-100800	ND	
Diisopropyl ether	< PQL	ug/L	10	1.3	8260	07/20/04	07/20/04	23:31	MGC	MS-V5	10	318-100800	ND	
Ethanol	< PQL	ug/L	8000	290	8260	07/20/04	07/20/04	23:31	MGC	MS-V5	10	318-100800	ND	
Ethyl t-butyl ether	< PQL	ug/L	10	1.5	8260	07/20/04	07/20/04	23:31	MGC	MS-V5	10	318-100800	ND	
Methyl t-butyl ether	11000	ug/L	200	19	8260	07/20/04	07/20/04	17:57	MGC	MS-V5	250	317-100800	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	103	%	76-114		8260	07/20/04	07/20/04	23:31	MGC	MS-V5	10	317-100800		
Toluene-d8	108	%	88-110		8260	07/20/04	07/20/04	23:31	MGC	MS-V5	10	317-100800		
4-Bromofluorobenzene	98	%	86-115		8260	07/20/04	07/20/04	23:31	MGC	MS-V5	10	317-100800		

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

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TRC ALTON GEOSCIENCE
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 Attn: ANJU FARFAN

Purgeable Aromatics and Total Petroleum Hydrocarbons

COC Number		---										Receive Date/Time		07/15/2004 @ 20:55	
Project Number		1156										Sampling Date/Time		07/12/2004 @ 23:26	
Sampling Location		---										Sample Depth		---	
Sampling Point		MW-2										Sample Matrix		Groundwater	
Sampled By		Carrillo										BCL Sample ID		04-07313-4	
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	3.8	ug/L	0.3	0.041	8021B	07/22/04	07/22/04	13:44	TLF	GC-V2	1	295-100417	ND	Q02	
Toluene	18	ug/L	0.3	0.13	8021B	07/22/04	07/22/04	13:44	TLF	GC-V2	1	295-100417	ND	Q02	
Ethylbenzene	2.6	ug/L	0.3	0.087	8021B	07/22/04	07/22/04	13:44	TLF	GC-V2	1	295-100417	ND	Q02	
Methyl t-butyl ether	3000	ug/L	100	4.1	8021B	07/26/04	07/26/04	11:18	TLF	GC-V2	100	295-100416	ND	A01	
Total Xylenes	16	ug/L	0.6	0.087	8021B	07/22/04	07/22/04	13:44	TLF	GC-V2	1	295-100417	ND	Q02	
Gasoline Range Organics (C4 - C12)	1700	ug/L	50	8.0	8015M	07/22/04	07/22/04	13:44	TLF	GC-V2	1	295-100417	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	110	%	70-130		8021B	07/22/04	07/22/04	13:44	TLF	GC-V2	1	295-100417			
a,a,a-Trifluorotoluene (8015 Surrogate)	103	%	70-130		8015M	07/22/04	07/22/04	13:44	TLF	GC-V2	1	295-100417			

Flag	Explanations
A01	PQL's and MDL's are raised due to sample dilution.
Q02	Matrix spike precision is not within the control limits.

California DQHS Certification #1186

Printed 08/11/2004 09:49:07

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04-07313-4



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

Volatile Organic Analysis (EPA Method 8260)

COC Number	---	Receive Date/Time	07/15/2004 @ 20:55
Project Number	1156	Sampling Date/Time	07/12/2004 @ 23:26
Sampling Location	---	Sample Depth	---
Sampling Point	MW-2	Sample Matrix	Groundwater
Sampled By	Carrillo	BCL Sample ID	04-07313-4

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dibromoethane	< PQL	ug/L	3	0.81	8260	07/21/04	07/21/04	01:45	MGC	MS-V5	5	317-100800	ND	
1,2-Dichloroethane	< PQL	ug/L	3	0.43	8260	07/21/04	07/21/04	01:45	MGC	MS-V5	5	317-100800	ND	
t-Amyl Methyl ether	< PQL	ug/L	5	0.60	8260	07/21/04	07/21/04	01:45	MGC	MS-V5	5	318-100800	ND	
t-Butyl alcohol	110	ug/L	60	19	8260	07/21/04	07/21/04	01:45	MGC	MS-V5	5	318-100800	ND	
Diisopropyl ether	< PQL	ug/L	5	0.64	8260	07/21/04	07/21/04	01:45	MGC	MS-V5	5	318-100800	ND	
Ethanol	< PQL	ug/L	4000	150	8260	07/21/04	07/21/04	01:45	MGC	MS-V5	5	318-100800	ND	
Ethyl t-butyl ether	< PQL	ug/L	5	0.72	8260	07/21/04	07/21/04	01:45	MGC	MS-V5	5	318-100800	ND	
Methyl t-butyl ether	3000	ug/L	50	7.6	8260	07/20/04	07/20/04	18:30	MGC	MS-V5	100	317-100800	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	109	%	76-114		8260	07/21/04	07/21/04	01:45	MGC	MS-V5	5	317-100800		
Toluene-d8	104	%	88-110		8260	07/21/04	07/21/04	01:45	MGC	MS-V5	5	317-100800		
4-Bromofluorobenzene	99	%	86-115		8260	07/21/04	07/21/04	01:45	MGC	MS-V5	5	317-100800		

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

California DOHS Certification #1186

Printed 08/12/2004 13:54:07

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04-07313-4



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

Purgeable Aromatics and
Total Petroleum Hydrocarbons

Table with columns: COC Number, Project Number, Sampling Location, Sampling Point, Sampled By, Receive Date/Time, Sampling Date/Time, Sample Depth, Sample Matrix, BCL Sample ID, Constituent, Result, Units, PQL, MDL, Method, Prep Date, Run Date, Run Time, Analyst, Instrument ID, Dilution, QC Batch ID, MB Bias, Lab Quails.

Table with columns: Flag, Explanations. Row: Q02 Matrix spike precision is not within the control limits.

California DOHS Certification #1186



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

Volatile Organic Analysis (EPA Method 8260)

COC Number						---						Receive Date/Time		07/15/2004 @ 20:55	
Project Number						1156						Sampling Date/Time		07/12/2004 @ 20:50	
Sampling Location						---						Sample Depth		---	
Sampling Point						MW-6						Sample Matrix		Groundwater	
Sampled By						Carrillo						BCL Sample ID		04-07313-5	
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quais	
1,2-Dibromoethane	< PQL	ug/L	0.5	0.17	8260	07/20/04	07/20/04	01:42	MGC	MS-V5	1	317-100800	ND		
1,2-Dichloroethane	< PQL	ug/L	0.5	0.086	8260	07/20/04	07/20/04	01:42	MGC	MS-V5	1	317-100800	ND		
t-Amyl Methyl ether	< PQL	ug/L	1	0.12	8260	07/20/04	07/20/04	01:42	MGC	MS-V5	1	318-100800	ND		
t-Butyl alcohol	< PQL	ug/L	12	3.7	8260	07/20/04	07/20/04	01:42	MGC	MS-V5	1	318-100800	ND		
Diisopropyl ether	< PQL	ug/L	1	0.13	8260	07/20/04	07/20/04	01:42	MGC	MS-V5	1	318-100800	ND		
Ethanol	< PQL	ug/L	800	29	8260	07/20/04	07/20/04	01:42	MGC	MS-V5	1	318-100800	ND		
Ethyl t-butyl ether	< PQL	ug/L	1	0.15	8260	07/20/04	07/20/04	01:42	MGC	MS-V5	1	318-100800	ND		
Methyl t-butyl ether	< PQL	ug/L	0.5	0.076	8260	07/20/04	07/20/04	01:42	MGC	MS-V5	1	317-100800	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 Quais	
1,2-Dichloroethane-d4	106	%	76-114		8260	07/20/04	07/20/04	01:42	MGC	MS-V5	1	317-100800			
Toluene-d8	108	%	88-110		8260	07/20/04	07/20/04	01:42	MGC	MS-V5	1	317-100800			
4-Bromofluorobenzene	95	%	86-115		8260	07/20/04	07/20/04	01:42	MGC	MS-V5	1	317-100800			

California DOHS Certification #1186

Printed 08/12/2004 13:54:17

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04-07313-5



BC Laboratories, Inc

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

Purgeable Aromatics and
Total Petroleum Hydrocarbons

Table with 4 columns: COC Number, Project Number, Sampling Location, Sampling Point, Sampled By, Receive Date/Time, Sampling Date/Time, Sample Depth, Sample Matrix, BCL Sample ID.

Main data table with 15 columns: Constituent, Result, Units, PQL, MDL, Method, Prep Date, Run Date, Run Time, Analyst, Instrument ID, Dilution, QC Batch ID, MB Bias, Lab Quats.

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

California DOHS Certification #1186



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

Volatile Organic Analysis (EPA Method 8260)

COC Number						---						Receive Date/Time		07/15/2004 @ 20:55	
Project Number						1156						Sampling Date/Time		07/12/2004 @ 23:40	
Sampling Location						---						Sample Depth		---	
Sampling Point						MW-4						Sample Matrix		Groundwater	
Sampled By						Carrillo						BCL Sample ID		04-07313-6	
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quais	
1,2-Dibromoethane	< PQL	ug/L	3	0.81	8260	07/21/04	07/21/04	02:52	MGC	MS-V5	5	317-100800	ND		
1,2-Dichloroethane	14	ug/L	3	0.43	8260	07/21/04	07/21/04	02:52	MGC	MS-V5	5	317-100800	ND		
t-Amyl Methyl ether	< PQL	ug/L	5	0.60	8260	07/21/04	07/21/04	02:52	MGC	MS-V5	5	318-100800	ND		
t-Butyl alcohol	210	ug/L	60	19	8260	07/21/04	07/21/04	02:52	MGC	MS-V5	5	318-100800	ND		
Diisopropyl ether	< PQL	ug/L	5	0.64	8260	07/21/04	07/21/04	02:52	MGC	MS-V5	5	318-100800	ND		
Ethanol	< PQL	ug/L	4000	150	8260	07/21/04	07/21/04	02:52	MGC	MS-V5	5	318-100800	ND		
Ethyl t-butyl ether	< PQL	ug/L	5	0.72	8260	07/21/04	07/21/04	02:52	MGC	MS-V5	5	318-100800	ND		
Methyl t-butyl ether	470	ug/L	3	0.38	8260	07/21/04	07/21/04	02:52	MGC	MS-V5	5	317-100800	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 Quais	
1,2-Dichloroethane-d4	107	%	76-114		8260	07/21/04	07/21/04	02:52	MGC	MS-V5	5	317-100800			
Toluene-d8	104	%	88-110		8260	07/21/04	07/21/04	02:52	MGC	MS-V5	5	317-100800			
4-Bromofluorobenzene	93	%	86-115		8260	07/21/04	07/21/04	02:52	MGC	MS-V5	5	317-100800			

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

California DOHS Certification #1186

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

Purgeable Aromatics and Total Petroleum Hydrocarbons

COC Number						---						Receive Date/Time		07/15/2004 @ 20:55	
Project Number						1156						Sampling Date/Time		07/12/2004 @ 22:45	
Sampling Location						---						Sample Depth		---	
Sampling Point						MW-3						Sample Matrix		Groundwater	
Sampled By						Carrillo						BCL Sample ID		04-07313-7	
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quails	
Benzene	350	ug/L	30	4.1	8021B	07/26/04	07/26/04	12:10	TLF	GC-V2	100	295-100416	ND		
Toluene	310	ug/L	30	13	8021B	07/26/04	07/26/04	12:10	TLF	GC-V2	100	295-100416	ND		
Ethylbenzene	120	ug/L	30	8.7	8021B	07/26/04	07/26/04	12:10	TLF	GC-V2	100	295-100416	ND		
Methyl t-butyl ether	180	ug/L	100	4.1	8021B	07/26/04	07/26/04	12:10	TLF	GC-V2	100	295-100416	ND		
Total Xylenes	350	ug/L	60	8.7	8021B	07/26/04	07/26/04	12:10	TLF	GC-V2	100	295-100416	ND		
Gasoline Range Organics (C4 - C12)	5500	ug/L	5000	800	8015M	07/26/04	07/26/04	12:10	TLF	GC-V2	100	295-100416	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 Quails	
a,a,a-Trifluorotoluene	104	%	70-130		8021B	07/26/04	07/26/04	12:10	TLF	GC-V2	100	295-100416			
a,a,a-Trifluorotoluene (8015 Surrogate)	110	%	70-130		8015M	07/26/04	07/26/04	12:10	TLF	GC-V2	100	295-100416			

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

California DOHS Certification #1186



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

Volatile Organic Analysis (EPA Method 8260)

COC Number		---										Receive Date/Time		07/15/2004 @ 20:55	
Project Number		1156										Sampling Date/Time		07/12/2004 @ 22:45	
Sampling Location		---										Sample Depth		---	
Sampling Point		MW-3										Sample Matrix		Groundwater	
Sampled By		Carrillo										BCL Sample ID		04-07313-7	
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals	
1,2-Dibromoethane	< PQL	ug/L	10	3.3	8260	07/20/04	07/20/04	13:57	MGC	MS-V5	20	317-100800	ND		
1,2-Dichloroethane	< PQL	ug/L	10	1.8	8260	07/20/04	07/20/04	13:57	MGC	MS-V5	20	317-100800	ND		
t-Amyl Methyl ether	< PQL	ug/L	20	2.4	8260	07/20/04	07/20/04	13:57	MGC	MS-V5	20	318-100800	ND		
t-Butyl alcohol	350	ug/L	300	73	8260	07/20/04	07/20/04	13:57	MGC	MS-V5	20	318-100800	ND		
Diisopropyl ether	< PQL	ug/L	20	2.6	8260	07/20/04	07/20/04	13:57	MGC	MS-V5	20	318-100800	ND		
Ethanol	< PQL	ug/L	20000	570	8260	07/20/04	07/20/04	13:57	MGC	MS-V5	20	318-100800	ND		
Ethyl t-butyl ether	< PQL	ug/L	20	2.9	8260	07/20/04	07/20/04	13:57	MGC	MS-V5	20	318-100800	ND		
Methyl t-butyl ether	100	ug/L	10	1.6	8260	07/20/04	07/20/04	13:57	MGC	MS-V5	20	317-100800	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	103	%	76-114		8260	07/20/04	07/20/04	13:57	MGC	MS-V5	20	317-100800			
Toluene-d8	103	%	88-110		8260	07/20/04	07/20/04	13:57	MGC	MS-V5	20	317-100800			
4-Bromofluorobenzene	97	%	86-115		8260	07/20/04	07/20/04	13:57	MGC	MS-V5	20	317-100800			

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

California DOHS Certification #1186

B C LABORATORIES
QUALITY CONTROL REPORT

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

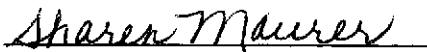
Date of Report: 08/10/2004
Sample Matrix: Groundwater
QC Batch ID: 200407313-1*8020

Samples Affected: 04-07313-1 - 04-07313-7

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	87.	102.	15.	98.	80 - 120	10	85 - 115
Toluene	< 0.3	µg/L	87.	102.	16.	101.	80 - 120	10	85 - 115
Ethyl Benzene	< 0.3	µg/L	100.	116.	15.	115.	80 - 120	10	85 - 115
Methyl-t-butylether	< 1.	µg/L	97.	112.	14.	109.	80 - 120	10	85 - 115
Total Xylenes	< 0.6	µg/L	85.	99.	15.	99.	80 - 120	10	85 - 115
Gasoline Range Organics (C4 - C12)	<50.	µg/L	92.	99.	7.	91.	70 - 130	20	85 - 115

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

Quality Control Officer


Danette Bohm



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: 07/26/2004
Sample Matrix: Groundwater
QC Batch ID: 200407313-1*8260

Samples Affected: 04-07313-1 - 04-07313-7

Constituents	Method Blank Readings	Units	MS % Rec	MSD % Rec	Spike R.P.D.	LCS % Rec	Spike Control Limits	Precision Control Limits	LCS % Rec Control Limits
Benzene	< 0.5	µg/L	104.	108.	4.	105.	70 - 130	20	70 - 130
Bromodichloromethane	< 0.5	µg/L	107.	111.	4.	109.	70 - 130	20	70 - 130
Chlorobenzene	< 0.5	µg/L	107.	102.	5.	108.	70 - 130	20	70 - 130
Chloroethane	< 0.5	µg/L	110.	118.	7.	116.	70 - 130	20	70 - 130
1,4-Dichlorobenzene	< 0.5	µg/L	103.	99.	4.	104.	70 - 130	20	70 - 130
1,1-Dichloroethane	< 0.5	µg/L	111.	113.	2.	113.	70 - 130	20	70 - 130
1,1-Dichloroethene	< 0.5	µg/L	114.	118.	3.	118.	70 - 130	20	70 - 130
Toluene	< 0.5	µg/L	108.	111.	3.	111.	70 - 130	20	70 - 130
Trichloroethene	< 0.5	µg/L	95.	97.	2.	102.	70 - 130	20	70 - 130

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

Quality Control Officer

Danette Bohm



BC Laboratories, Inc

B C LABORATORIES
QUALITY CONTROL REPORT

Method 8270

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

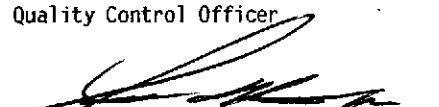
Date of Report: 07/30/2004
Sample Matrix: Groundwater
QC Batch ID: 200407313-1*8270

Samples Affected: 04-07313-1

Constituents	Method Blank Readings	Units	MS % Rec	MSD % Rec	Spike R.P.D.	LCS % Rec	Spike Control Limits	Precision Control Limits	LCS Control Limits
Acenaphthene	< 2.	µg/L	83.	86.	8.	91.	45 - 115	20	47 - 116
1,4-Dichlorobenzene	< 2.	µg/L	81.	85.	9.	84.	45 - 107	20	50 - 100
2,4-Dinitrotoluene	< 2.	µg/L	112.	113.	5.	116.	54 - 116	20	62 - 112
Hexachlorobenzene	< 2.	µg/L	106.	106.	4.	110.	34 - 80	20	35 - 85
Hexachlorobutadiene	< 2.	µg/L	65.	70.	12.	64.	34 - 112	28	42 - 97
Hexachloroethane	< 2.	µg/L	82.	85.	7.	80.	28 - 117	27	43 - 103
Nitrobenzene	< 2.	µg/L	102.	104.	6.	110.	57 - 113	20	57 - 112
N-Nitrosodi-n-propylamine	< 2.	µg/L	75.	76.	6.	84.	48 - 103	21	44 - 105
Pyrene	< 2.	µg/L	72.	70.	0.	78.	38 - 124	30	44 - 126
1,2,4-Trichlorobenzene	< 2.	µg/L	80.	83.	8.	81.	49 - 109	20	53 - 102
4-Chloro-3-methylphenol	< 5.	µg/L	109.	110.	5.	119.	59 - 121	21	60 - 121
2-Chlorophenol	< 2.	µg/L	98.	102.	8.	109.	45 - 108	19	51 - 108
2-Methylphenol	< 2.	µg/L	95.	97.	6.	105.	47 - 108	23	49 - 110
3- & 4-Methylphenol	< 2.	µg/L	78.	78.	4.	87.	35 - 108	23	35 - 110
4-Nitrophenol	< 2.	µg/L	54.	55.	5.	53.	14 - 51	30	19 - 46
Pentachlorophenol	<10.	µg/L	119.	118.	3.	120.	33 - 155	30	59 - 147
Phenol	< 2.	µg/L	53.	56.	10.	61.	10 - 82	22	25 - 60
2,4,6-Trichlorophenol	< 5.	µg/L	111.	112.	5.	122.	54 - 123	20	58 - 122

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

Quality Control Officer


Danette Bohm

Submission #: 04-07313

Project Code:

TB Batch #

SHIPPING INFORMATION

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

SHIPPING CONTAINER

Ice Chest None
 Box Other (Specify)

Refrigerant: Ice Blue Ice None Other Comments:

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

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

COC Received
 YES NO

Ice Chest ID
 Temperature: 0.2 °C
 Thermometer ID: TH080

Emissivity 0.93
 Container QIA

Date/Time 7-15-04
2:00
 Analyst Init SLC

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
100ml TOTAL ORGANIC CARBON										
QT TOX										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	1.6	1.6	1.6	1.6	1.6	1.6	1.6			
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	2.3									
QT QA/QC										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments:

Sample Numbering Completed By: CEH

Date/Time: 7/16/04 11:20

CHK BY EDW DISTRIBUTION SB
 SUB-OUT

EC LABORATORIES, INC.

4100 Atlas Court (I) Bakersfield CA 93303
 (661) 327-4311 FAX (661) 327-1913

CHAIN OF CUSTODY

04-07313

Analysis Requested

Circle one: Phillips 66 / Unocal	Consultant Firm: TRC	MATRIX (GWL) Ground-water (S)
Address: <u>4276 MacArthur</u>	21 Technology Drive Irvine, CA 92618-2302 Attn: Anju Farfan	Soil (VVV)
City: <u>OAKLAND</u>	4-digit site#: <u>1156</u>	Waste-water (SL)
State: CA Zip:	Workorder #: <u>1112TRC 500</u>	Sludge
Phillips 66 / Unocal Mgr:	Project #: <u>41080001</u>	
	Sampler Name: <u>CARINITE</u>	

Lab#	Sample Description	Field Point Name	Date & Time Sampled	MATRIX (GWL) Ground-water (S)	Soil (VVV)	Waste-water (SL)	Sludge	BTEX/MTBE by 8021B, Gas by 8015	TPH GAS by 8015M	TPH DIESEL by 8015	8260 full list w/ MTBE & oxygenates	BTEX/MTBE/PAHs/PCBs/PCDDs/PCDFs by 8021A	ETHANOL by 8260B	TPH by 8261B	6 OXS by 8260S	HVOCs (9010 LIST) by 8021C	SOCs by 827D	Turnaround Time Requested
-1	MW-1		7/12 2310	6W				X	X			X			X	X	X	
-2	MW-5		2025															
-3	MW-7		2220															
-4	MW-8		2320															
-5	MW-6		2050															
-6	MW-4		2340															
-7	MW-3		2245															

Comments	Relinquished by (signature)	Received by	Date & Time
GLOBAL ID:	Relinquished by (signature)	Received by	Date & Time
<u>T0600102229</u>			07-15-04 1425
	Relinquished by (signature)	Received by	Date & Time
			7-15-04 2055

(A) = ANALYSIS (C) = CONTAINER (D) = PRELIMINARY

STATEMENTS

Purge Water 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.