CONESTOGA-ROVERS & ASSOCIATES

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Emeryville, California 94608
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TRANSMITTAL

DATE: May 3, 2011

REFERENCE NO.: 240524

PROJECT NAME: 4255 MacArthur Boulevard, Oakland

TO: Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

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Environmental Health

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QUANTITY	DESCRIPTION
1	Groundwater Monitoring and Remediation Report – First Quarter 2011

- ☐ As Requested
- ☐ For Your Use
- ☒ For Review and Comment
- ☐

COMMENTS:
If you have any questions regarding the contents of this document, please call Peter Schaefer at (510) 420-3319.

Copy to: Denis Brown, Shell Oil Products US (electronic copy)
Roland C. Malone, Jr., PO Box 2744, Castro Valley, CA 94546
Kenneth Williams, MacArthur/High Trailer Park, c/o Bookkeeping, 332 Peyton Drive, Hayward, CA 94544
Terry L. Grayson, ConocoPhillips Risk Management & Remediation, 76 Broadway, Sacramento, CA 95818

Completed by: Peter Schaefer Signed: Peter Schaefer

Filing: **Correspondence File**

Denis L. Brown
Shell Oil Products US
HSE – Environmental Services
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Email denis.l.brown@shell.com

Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Former Shell Service Station
4255 MacArthur Boulevard
Oakland, California
SAP Code 135701
Incident No. 98995758
ACEH Case No. RO0000486

Dear Mr. Wickham:

The attached document is provided for your review and comment. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

If you have any questions or concerns, please call me at (707) 865-0251.

Sincerely,

Denis L. Brown
Senior Program Manager

GROUNDWATER MONITORING AND REMEDIATION REPORT - FIRST QUARTER 2011

FORMER SHELL SERVICE STATION
4255 MACARTHUR BOULEVARD
OAKLAND, CALIFORNIA

SAP CODE	135701
INCIDENT NO.	98995758
AGENCY NO.	RO0000486

Prepared by:
Conestoga-Rovers & Associates

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MAY 3, 2011
REF. NO. 240524 (10)
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TABLE OF CONTENTS

LIST OF FIGURES
(Following Text)

LIST OF TABLES
(Following Text)

LIST OF APPENDICES

1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell).

1.1 SITE INFORMATION

Site Address	4255 MacArthur Boulevard, Oakland
Site Use	Vacant
Shell Project Manager	Denis Brown
CRA Project Manager	Peter Schaefer
Lead Agency and Contact	ACEH, Jerry Wickham
Agency Case No.	RO0000486
Shell SAP Code	135701
Shell Incident No.	98995758

Date of most recent agency correspondence was December 13, 2010.

2.0 SITE ACTIVITIES, FINDINGS, AND DISCUSSION

2.1 CURRENT QUARTER'S ACTIVITIES

Blaine Tech Services, Inc. (Blaine) gauged and sampled the wells according to the established monitoring program for this site. Blaine coordinated groundwater sampling with the adjacent 76 Station No. 1156 located at 4276 MacArthur Boulevard, Oakland.

CRA prepared a vicinity map (Figure 1), a groundwater contour and chemical concentration map (Figure 2) including data from both sites, and a groundwater data table (Table 1). Blaine's field notes are presented in Appendix A, and the laboratory report is presented in Appendix B. The data tables for the 76 Station are included in Appendix C.

Based on the identification of separate-phase hydrocarbons (SPHs) as leaded gasoline, CRA added analysis for lead scavengers 1,2-dibromoethane (EDB) and 1,2-dichloroethane (1,2-DCA) to the groundwater monitoring program for the first quarter 2011 sampling event.

On February 15 and 16, 2011, CRA installed eight nested soil vapor probes, and on March 9, 2011, CRA collected soil vapor samples from the probes.

On February 17, 2011, Blaine installed SPH-absorbent socks in wells MW-2 and MW-3. Blaine measured 0.01 feet of SPHs in MW-3 on February 17, 2011; however, no SPHs were found in any site wells during the January 31, 2011 monitoring and sampling event. Although no SPHs were recovered during the fourth quarter of 2010 and the first quarter of 2011, a summary of historical SPH removal is provided below.

SPH REMOVAL SUMMARY	
This Period (pounds)	*Cumulative Removal (pounds)*
0	27.62

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Generally west to southwesterly
Hydraulic Gradient	Averages 0.05
Depth to Water	4.29 to 11.89 feet below top of well casing

2.3 PROPOSED ACTIVITIES

CRA submitted a report detailing the soil vapor probe installation and sampling to Alameda County Environmental Health (ACEH) on April 25, 2011. CRA will conduct a second soil vapor sampling event early in third quarter 2011 and will provide ACEH with a report on the event after receiving the analytical results.

Blaine will gauge and sample wells according to the established monitoring program for this site. This site is monitored semiannually during the first and third quarters, and CRA will issue groundwater monitoring reports semiannually following the sampling events.

EDB and 1,2-DCA were not detected in groundwater samples collected during the first quarter of 2011. Unless directed otherwise, CRA will suspend analyses of groundwater samples for EDB and 1,2-DCA.

Blaine will continue to remove SPHs from wells MW-2 and MW-3 using SPH-absorbent socks and will install an SPH-absorbent sock in well MW-4. The socks will be replaced quarterly until no SPHs are observed for three consecutive quarters.

2.4 DISCUSSION

Shell and ConocoPhilips Company have filed a comingled plume claim with the California Underground Storage Tank Cleanup Fund for the 4276 MacArthur Boulevard and 4255 MacArthur Boulevard, Oakland sites.

All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

Peter Schaefer, CEG, CHG

Aubrey K. Cool, PG

FIGURES

12/16/08

I:\Shell\6-chars\2405--\240524-Oakland 4255 MacArthur\240524-FIGURES\240524 VICINITY.AI

FIGURE 1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

Former Shell Service Station
4255 MacArthur Boulevard
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

04/21/2011

EXPLANATION

- **MW-1** — Monitoring well location (Shell)
- **MW-1B** — Monitoring well location (Tosco)
- **TB-1** — Destroyed well location
- STM — Storm drain line (STM)
- SAN — Sanitary sewer line (SAN)
- W — Water line (W)
- x.xx — Average groundwater flow direction and gradient
- xx.xx — Groundwater elevation contour, in feet above mean sea level (msl)

Well
ELEV
Benzene
MTBE

- Well designation
- Groundwater elevation, in feet above msl
- Benzene and MTBE concentrations are in micrograms per liter

Notes:
ND = Not detected
NDa = Elevated reporting limit, see laboratory report for details

Pharmacy
Wall
Building
Foot Clinic
Church Structures
Driveway
Dispenser
Sidewalk
USTs
Former Dispenser Island (removed 1/03)
Former Dispenser Island (removed 11/95)
Former Shell
4255 MacArthur
Former Storage Building
Former USTs
Trailer Park
Fenceline
Storm Drain
Former Chevron Service Station
Steep Embankment
MACARTHUR BOULEVARD
HIGH STREET
580 ON-RAMP
HIGHWAY 580

MW-8	MW-5	MW-1	MW-4B	MW-6
	167.55	167.43	174.58	
	ND	6.7	ND	
	130	46	30	
MW-8	MW-7	MW-2B	MW-3B	MW-3
169.84	165.53	165.76	172.47	162.70
NDa	0.31	1.7	32	2,200
380	600	310	73	1,300
MW-9	MW-6	MW-2	MW-7	MW-1
168.99	161.37	161.79	163.29	168.31
120	370	1,700	12	41
1,100	170	2,100	390	2,000
MW-5	MW-4	TB-1	TB-2	
158.35	157.36			
ND	47			
7.5	77			

170.00 — 165.00 — 160.00 — 0.05

N

0 20 40 80
Scale (ft)

FIGURE
2

Groundwater Contour and Chemical Concentration Map

January 31, 2011

CONESTOGA-ROVERS & ASSOCIATES

Former Shell Service Station
4255 MacArthur Boulevard
Oakland, California

I:\Shell\6-chars\2405--\240524-Oakland 4255 MacArthur\240524-REPORTS\240524-RPT10-1Q11240524 1QM11-GW.DWG

TABLE

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
4255 MACARTHUR BOULEVARD, OAKLAND, CALIFORNIA

Well ID	Date	TPPH µg/L	B µg/L	T µg/L	E µg/L	X µg/L	MTBE 8020 µg/L	MTBE 8260 µg/L	DIPE µg/L	ETBE µg/L	TAME µg/L	TBA µg/L	EDB µg/L	1,2-DCA µg/L	Ethanol µg/L	TOC (ft MSL)	Depth to Water (ft TOC)	Depth to SPH (ft.)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (ppm)	ORP Reading (mV)
MW-1	11/17/1993	410	21	11	7.9	47	—	—	—	—	—	—	—	—	—	175.79	8.59	—	167.20	—	—	—
MW-1	1/20/1994	1,200	180	19	48	47	—	—	—	—	—	—	—	—	—	175.79	8.22	—	167.57	—	—	—
MW-1	4/25/1994	3,100	610	<10	130	27	—	—	—	—	—	—	—	—	—	175.79	7.63	—	168.16	—	—	—
MW-1	7/7/1994	2,400	1,000	10	250	20	—	—	—	—	—	—	—	—	—	175.79	8.31	—	167.48	—	—	—
MW-1	10/27/1994	2,200	500	3.1	72	1.8	—	—	—	—	—	—	—	—	—	175.79	8.84	—	166.95	—	—	—
MW-1	11/17/1994	—	—	—	—	—	—	—	—	—	—	—	—	—	—	175.79	7.60	—	168.19	—	—	—
MW-1	11/28/1994	—	—	—	—	—	—	—	—	—	—	—	—	—	—	175.79	7.56	—	168.23	—	—	—
MW-1	1/13/1995	570	75	2.5	6.7	11	—	—	—	—	—	—	—	—	—	175.79	7.11	—	168.68	—	—	—
MW-1	4/12/1995	1,800	480	<5.0	79	<5.0	—	—	—	—	—	—	—	—	—	175.79	7.08	—	168.71	—	—	—
MW-1	7/25/1995	120	15	1.1	2.1	2.9	—	—	—	—	—	—	—	—	—	175.79	7.73	—	168.06	—	—	—
MW-1 (D)	7/25/1995	300	88	2.4	11	6.5	—	—	—	—	—	—	—	—	—	175.79	7.73	—	168.06	—	—	—
MW-1	10/18/1995	130	9.5	0.8	1.3	1.7	—	—	—	—	—	—	—	—	—	175.79	8.42	—	167.37	—	—	—
MW-1 (D)	10/18/1995	120	11	0.8	1.4	1.8	—	—	—	—	—	—	—	—	—	175.79	8.42	—	167.37	—	—	—
MW-1	1/17/1996	250	22	0.9	1.6	2.3	—	—	—	—	—	—	—	—	—	175.79	7.83	—	167.96	—	—	—
MW-1	4/25/1996	<50	4.6	<0.5	<0.5	0.6	500b	—	—	—	—	—	—	—	—	175.79	7.35	—	168.44	—	—	—
MW-1	7/17/1996	<250	15	<2.5	<2.5	<2.5	540	—	—	—	—	—	—	—	—	175.79	7.70	—	168.09	—	—	—
MW-1	10/1/1996	1,200	500	12	57	82	1,900	—	—	—	—	—	—	—	—	175.79	8.07	—	167.72	—	—	—
MW-1	1/22/1997	640	170	4.3	33	33	1,200	—	—	—	—	—	—	—	—	175.79	7.21	—	168.58	—	—	—
MW-1	4/8/1997	<200	34	<2.0	3.3	4.3	950	—	—	—	—	—	—	—	—	175.79	7.75	—	168.04	—	—	—
MW-1 (D)	4/8/1997	<200	66	<2.0	6.4	8	740	—	—	—	—	—	—	—	—	175.79	7.75	—	168.04	—	—	—
MW-1	7/8/1997	190	49	1.2	5.8	8.6	560	—	—	—	—	—	—	—	—	175.79	8.01	—	167.78	—	—	—
MW-1	10/8/1997	<100	7	<1.0	<1.0	<1.0	620	—	—	—	—	—	—	—	—	175.79	8.10	—	167.69	—	—	—
MW-1	1/9/1998	970	390	12	48	71	1,200	—	—	—	—	—	—	—	—	175.79	7.14	—	168.65	—	—	—
MW-1	4/13/1998	<50	136	<0.50	1.5	1.8	170	—	—	—	—	—	—	—	—	175.79	6.78	—	169.01	—	—	—
MW-1	7/17/1998	2,500	750	11	88	67	150	—	—	—	—	—	—	—	—	175.79	7.28	—	168.51	—	—	—
MW-1	10/2/1998	8,000	970	36	270	440	35	—	—	—	—	—	—	—	—	175.79	7.77	—	168.02	—	—	—
MW-1	2/3/1999	210	56	0.82	<0.50	3.2	220	—	—	—	—	—	—	—	—	175.79	7.45	—	168.34	—	1.4	—
MW-1	4/29/1999	<50	4.5	<0.50	0.56	<0.50	140	196	—	—	—	—	—	—	—	175.79	7.58	—	168.21	—	1.2	140
MW-1	7/23/1999	<50.0	<0.500	<0.500	<0.500	<0.500	120	111*	—	—	—	—	—	—	—	175.79	8.51	—	167.28	—	1.0	—
MW-1	11/1/1999	<50.0	<0.500	<0.500	<0.500	<0.500	2.90	—	—	—	—	—	—	—	—	175.79	8.30	—	167.49	—	1.4	-71
MW-1	1/17/2000	<50	<0.50	<0.50	<0.50	<0.50	3.30	—	—	—	—	—	—	—	—	175.79	8.04	—	167.75	—	16.9	64
MW-1	4/17/2000	<50.0	1.08	<0.500	<0.500	<0.500	<2.50	—	—	—	—	—	—	—	—	175.79	8.00	—	167.79	—	1.8	112
MW-1	7/26/2000	125	54.3	2.16	5.45	9.86	33.1	—	—	—	—	—	—	—	—	175.79	7.52	—	168.27	—	13.2	-140
MW-1	10/12/2000	101	40.7	2.68	3.00	5.18	25.0	—	—	—	—	—	—	—	—	175.79	7.71	—	168.08	—	>20	534
MW-1	1/15/2001	<50.0	0.633	<0.500	0.505	1.74	<2.50	—	—	—	—	—	—	—	—	175.79	7.33	—	168.46	—	16.9	-127
MW-1	4/9/2001	<50.0	<0.500	<0.500	<0.500	0.927	<2.50	—	—	—	—	—	—	—	—	175.79	7.68	—	168.11	—	12.8	-117
MW-1	7/24/2001	<50	4.0	0.65	0.53	1.3	—	<5.0	—	—	—	—	—	—	—	175.79	8.00	—	167.79	—	>20	43
MW-1	10/31/2001	<50	4.4	<0.50	<0.50	0.98	—	<5.0	—	—	—	—	—	—	—	175.79	7.94	—	167.85	—	13.6	123
MW-1	1/10/2002	<50	2.2	<0.50	<0.50	1.2	—	6.1	—	—	—	—	—	—	—	175.79	7.63	—	168.16	—	0.1	63
MW-1	4/25/2002	<50	2.0	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	—	—	—	175.79	7.76	—	168.03	—	0.3	54

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
4255 MACARTHUR BOULEVARD, OAKLAND, CALIFORNIA

Well ID	Date	TPPH µg/L	B µg/L	T µg/L	E µg/L	X µg/L	MTBE 8020 µg/L	MTBE 8260 µg/L	DIPE µg/L	ETBE µg/L	TAME µg/L	TBA µg/L	EDB µg/L	1,2-DCA µg/L	Ethanol µg/L	TOC (ft MSL)	Depth to Water (ft TOC)	Depth to SPH (ft.)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (ppm)	ORP Reading (mV)
MW-1	7/18/2002	<50	6.1	<0.50	<0.50	0.98	—	<5.0	—	—	—	—	—	—	—	175.79	8.29	—	167.50	—	1.1	32
MW-1	10/7/2002	500	17	14	11	60	—	9.0	—	—	—	—	—	—	—	175.76	8.34	—	167.42	—	2.8	-26
MW-1	1/6/2003	<50	12	<0.50	0.73	0.58	—	14	—	—	—	—	—	—	—	175.76	7.18	—	168.58	—	0.5	-22
MW-1	4/7/2003	<50	<0.50	<0.50	<0.50	<1.0	—	12	—	—	—	<5.0	—	—	—	175.76	7.75	—	168.01	—	0.7	-24
MW-1	7/7/2003	<50	6.6	<0.50	<0.50	<1.0	—	8.1	—	—	—	<5.0	—	—	—	175.76	7.75	—	168.01	—	0.5	16
MW-1	10/9/2003	<50	1.9	<0.50	<0.50	<1.0	—	22	—	—	—	<5.0	—	—	—	175.76	8.45	—	167.31	—	0.7	80
MW-1	1/14/2004	<100	19	<1.0	<1.0	<2.0	—	180	—	—	—	63	—	—	—	175.76	7.45	—	168.31	—	0.8	242
MW-1	4/28/2004	<50	2.1	<0.50	<0.50	<1.0	—	110	—	—	—	33	—	—	—	175.76	8.25	—	167.51	—	0.5	64
MW-1	7/12/2004	<50	2.5	<0.50	<0.50	<1.0	—	120	<2.0	<2.0	<2.0	26	—	—	<50	175.76	6.20	—	169.56	—	0.5	72
MW-1	10/25/2004	<500	<5.0	<5.0	<5.0	<10	—	550	—	—	—	240	—	—	—	175.76	7.98	—	167.78	—	3.15	-72
MW-1	1/17/2005	<250	8.0	<2.5	<2.5	<5.0	—	500	—	—	—	310	—	—	—	175.76	7.42	—	168.34	—	0.2	9
MW-1	4/6/2005	<250	<2.5	<2.5	<2.5	<5.0	—	230	—	—	—	330*	—	—	—	175.76	8.15	—	167.61	—	2.49	143
MW-1	7/8/2005	<50	<0.50	<0.50	<0.50	<0.50	—	380	<0.50	<0.50	<0.50	510	—	—	<5.0	175.76	7.45	—	168.31	—	1.1	12
MW-1	10/7/2005	<500 c	<5.0	<5.0	<5.0	<10	—	1,600	—	—	—	1,600	—	—	—	175.76	7.72	—	168.04	—	—	—
MW-1	1/27/2006	1,720	6.92	<0.500	<0.500	<0.500	—	1,270	—	—	—	1,380	—	—	—	175.76	6.68	—	169.08	—	—	—
MW-1	4/28/2006	2,420	6.90	1.19	<0.500	0.980	—	2,080	—	—	—	1,870	—	—	—	175.76	6.67	—	169.09	—	—	—
MW-1	7/28/2006	3,230	2.06	<0.500	<0.500	<0.500	—	1,770	<0.500	<0.500	1.14	1,730	—	—	<50.0	175.76	7.65	—	168.11	—	—	—
MW-1	10/27/2006	1,020	3.22	<0.500	1.72	<0.500	—	690	—	—	—	884	—	—	—	175.76	7.90	—	167.86	—	—	—
MW-1	1/10/2007	1,100	3.0	<0.50	<0.50	<1.0	—	2,300	—	—	—	2,900	—	—	—	175.76	7.62	—	168.14	—	—	—
MW-1	4/13/2007	620 g,h	7.1	0.24 i	<1.0	<1.0	—	2,800	—	—	—	3,600	—	—	—	175.76	6.98	—	168.78	—	—	—
MW-1	7/9/2007	960 g,h	4.3 i	<20	<20	<20	—	1,900	<40	<40	<40	2,100	—	—	<2,000	175.76	7.60	—	168.16	—	—	—
MW-1	10/8/2007	590 g,h	5.9 i	<20	<20	<20	—	3,200	—	—	—	2,200	—	—	—	175.76	8.05	—	167.71	—	—	—
MW-1	1/9/2008	470 g,h	36	<10	<10	<10	—	660	—	—	—	1,300	—	—	—	175.76	6.99	—	168.77	—	—	—
MW-1	4/4/2008	2,200	<10	<20	<20	<20	—	2,000	—	—	—	1,500	—	—	—	175.76	6.94	—	168.82	—	—	—
MW-1	7/3/2008	1,800	<10	<20	<20	<20	—	1,800	<40	<40	<40	3,400	—	—	<2,000	175.76	8.03	—	167.73	—	—	—
MW-1	10/3/2008	2,000	<10	<20	<20	<20	—	2,000	—	—	—	2,800	—	—	—	175.76	8.58	—	167.18	—	—	—
MW-1	1/22/2009	2,400	14	<20	<20	<20	—	1,600	—	—	—	3,200	—	—	—	175.76	8.15	—	167.61	—	—	—
MW-1	4/13/2009	1,800	<10	<20	<20	<20	—	970	—	—	—	1,900	—	—	—	175.76	2.13	—	173.63	—	—	—
MW-1	7/23/2009	1,800	6.9	<10	<10	<10	—	1,500	<20	<20	<20	2,800	—	—	<1000	175.76	8.15	—	167.61	—	—	—
MW-1	2/1/2010	910	94	<5.0	<5.0	<5.0	—	620	—	—	—	1,800	—	—	—	175.76	7.44	—	168.32	—	—	—
MW-1	8/2/2010	1,600	8.4	<5.0	<5.0	<5.0	—	2,100	—	—	—	2,100	—	—	—	175.76	7.49	—	168.27	—	—	—
MW-1	**1/31/2011**	**1,100 j**	**41**	**<10**	**<10**	**<10**	**—**	**2,000**	**—**	**—**	**—**	**2,600**	**<10**	**<10**	**—**	**175.76**	**7.45**	**—**	**168.31**	**—**	**—**	**—**
MW-2	11/17/1993	31,000	9,400	4,600	1,000	3,900	—	—	—	—	—	—	—	—	—	170.91	12.31	—	158.60	—	—	—
MW-2	1/20/1994	40,000	6,900	5,600	780	4,100	—	—	—	—	—	—	—	—	—	170.91	11.48	—	159.43	—	—	—
MW-2 (D)	1/20/1994	41,000	7,200	6,200	900	4,800	—	—	—	—	—	—	—	—	—	170.91	11.48	—	159.43	—	—	—
MW-2	4/25/1994	60,000	9,300	6,100	1,400	6,200	—	—	—	—	—	—	—	—	—	170.91	10.84	—	160.07	—	—	—
MW-2	7/7/1994	280,000a	40,000	26,000	8,100	32,000	—	—	—	—	—	—	—	—	—	170.91	11.89	—	159.02	—	—	—
MW-2 (D)	7/7/1994	53,000	13,000	6,600	2,000	8,400	—	—	—	—	—	—	—	—	—	170.91	11.89	—	159.02	—	—	—
MW-2	10/27/1994	130,000	14,000	12,000	2,400	13,000	—	—	—	—	—	—	—	—	—	170.91	12.89	—	158.02	—	—	—

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
4255 MACARTHUR BOULEVARD, OAKLAND, CALIFORNIA

Well ID	Date	TPPH µg/L	B µg/L	T µg/L	E µg/L	X µg/L	MTBE 8020 µg/L	MTBE 8260 µg/L	DIPE µg/L	ETBE µg/L	TAME µg/L	TBA µg/L	EDB µg/L	1,2-DCA µg/L	Ethanol µg/L	TOC (ft MSL)	Depth to Water (ft TOC)	Depth to SPH (ft.)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (ppm)	ORP Reading (mV)
MW-2 (D)	10/27/1994	390,000	8,800	7,000	1,700	11,000	—	—	—	—	—	—	—	—	—	170.91	12.89	—	158.02	—	—	—
MW-2	11/17/1994	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170.91	9.11	—	161.80	—	—	—
MW-2	11/28/1994	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170.91	9.22	—	161.69	—	—	—
MW-2	1/13/1995	75,000	5,900	12,000	3,100	17,000	—	—	—	—	—	—	—	—	—	170.91	8.10	—	162.81	—	—	—
MW-2	4/12/1995	100,000	8,500	11,000	2,400	12,000	—	—	—	—	—	—	—	—	—	170.91	10.12	—	160.79	—	—	—
MW-2 (D)	4/12/1995	80,000	4,200	9,300	2,500	12,000	—	—	—	—	—	—	—	—	—	170.91	10.12	—	160.79	—	—	—
MW-2	7/25/1995	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170.91	11.53	—	159.80	0.52	—	—
MW-2	10/18/1995	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170.91	14.02	—	156.99	0.13	—	—
MW-2	1/17/1996	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170.91	10.27	—	160.78	0.17	—	—
MW-2	4/25/1996	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170.91	11.68	—	159.25	0.03	—	—
MW-2	7/17/1996	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170.91	12.78	—	158.81	0.48	—	—
MW-2	10/1/1996	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170.91	14.21	—	156.70	0.28	—	—
MW-2	1/22/1997	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170.91	10.92	—	160.08	0.11	—	—
MW-2	4/8/1997	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170.91	14.12	—	156.95	0.20	—	—
MW-2	7/8/1997	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170.91	14.98	—	156.08	0.19	—	—
MW-2	10/8/1997	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170.91	12.97	—	157.98	0.05	—	—
MW-2	1/8/1998	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170.91	12.54	—	158.43	0.08	—	—
MW-2	4/13/1998	180,000	2,800	5,200	2,400	13,000	71,000	—	—	—	—	—	—	—	—	170.91	10.05	—	160.86	—	—	—
MW-2	7/17/1998	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170.91	11.75	—	159.24	0.10	—	—
MW-2	10/2/1998	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170.91	16.78	—	154.22	0.11	—	—
MW-2	2/3/1999	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170.91	9.90	9.82	161.07	0.08	—	—
MW-2	4/29/1999	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170.91	9.86	9.81	161.09	0.05	—	—
MW-2	7/23/1999	65,800	6,500	4,480	1,960	8,960	46,600	58,500*	—	—	—	—	—	—	—	170.91	14.45	—	156.46	—	1.4	—
MW-2	11/1/1999	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170.91	11.84	11.81	159.09	0.03	—	—
MW-2	1/17/2000	46,000	6,000	2,400	1,500	5,500	50,000	31,000	—	—	—	—	—	—	—	170.91	11.00	—	159.91	—	1.3	-54
MW-2	4/17/2000	96,300	8,150	10,200	2,820	14,900	112,000	108,000	—	—	—	—	—	—	—	170.91	11.06	—	159.85	—	2.6	125
MW-2	7/26/2000	72,400	8,680	5,620	2,810	13,400	66,200	46,300	—	—	—	—	—	—	—	170.91	12.82	—	158.09	—	2.2	113
MW-2	10/12/2000	63,200	5,840	4,180	2,310	11,100	61,200	66,600	—	—	—	—	—	—	—	170.91	11.32	—	159.59	—	0.4	55
MW-2	1/15/2001	59,700	2,630	4,800	2,050	11,500	44,400	5,080	—	—	—	—	—	—	—	170.91	10.19	—	160.72	—	1.1	-22
MW-2	4/9/2001	56,900	1,860	2,550	1,810	9,720	40,000	46,600	—	—	—	—	—	—	—	170.91	11.15	—	159.76	—	1.0	-55
MW-2	7/24/2001	84,000	3,000	4,600	2,500	13,000	—	41,000	—	—	—	—	—	—	—	170.91	11.67	—	159.24	—	0.2	53
MW-2	10/31/2001	45,000	2,200	3,000	1,500	7,700	—	29,000	<50	<50	<50	51,000	—	—	<500	170.91	11.04	—	159.87	—	1.2	-17
MW-2	1/10/2002	28,000	840	740	760	3,300	—	32,000	—	—	—	—	—	—	—	170.91	9.58	—	161.33	—	2.1	-76
MW-2	4/25/2002	41,000	1,900	2,000	1,200	6,900	—	17,000	—	—	—	—	—	—	—	170.91	11.40	—	159.51	—	0.8	-95
MW-2	7/18/2002	87,000	2,000	2,200	1,400	10,000	—	19,000	—	—	—	—	—	—	—	170.91	12.68	—	158.23	—	0.7	-34
MW-2	10/7/2002	110,000	3,900	6,700	2,700	15,000	—	20,000	—	—	—	—	—	—	—	170.88	11.58	—	159.30	—	1.4	-52
MW-2	1/6/2003	65,000	2,400	3,500	1,400	8,600	—	26,000	—	—	—	—	—	—	—	170.88	9.09	—	161.79	—	0.4	40
MW-2	4/7/2003	57,000	1,900	2,500	1,700	8,600	—	37,000	—	—	—	34,000	—	—	—	170.88	11.08	—	159.80	—	1.0	60
MW-2	7/7/2003	34,000	4,000	4,200	1,600	8,500	—	51,000	—	—	—	44,000	—	—	—	170.88	11.27	—	159.61	—	1.3	-17
MW-2	10/9/2003	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170.88	11.64	11.61	159.26	0.03	—	—

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
4255 MACARTHUR BOULEVARD, OAKLAND, CALIFORNIA

Well ID	Date	TPPH µg/L	B µg/L	T µg/L	E µg/L	X µg/L	MTBE 8020 µg/L	MTBE 8260 µg/L	DIPE µg/L	ETBE µg/L	TAME µg/L	TBA µg/L	EDB µg/L	1,2-DCA µg/L	Ethanol µg/L	TOC (ft MSL)	Depth to Water (ft TOC)	Depth to SPH (ft.)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (ppm)	ORP Reading (mV)
MW-2	10/20/2003	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170.88	11.88	11.84	159.03	0.04	—	—
MW-2	1/14/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170.88	10.96	10.95	159.93	0.01	—	—
MW-2	4/28/2004	35,000	2,200	2,200	2,300	8,200	—	26,000	—	—	—	28,000	—	—	—	170.88	11.05	—	159.83	—	0.1	-96
MW-2	7/12/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170.88	12.12	12.09	158.78	0.03	—	—
MW-2	10/25/2004	60,000	2,900	2,300	2,300	7,600	—	27,000	—	—	—	26,000	—	—	—	170.88	11.23	—	159.65	—	1.62	-69
MW-2	1/17/2005	62,000	1,900	1,800	1,800	5,700	—	22,000	—	—	—	21,000	—	—	—	170.88	8.78	—	162.10	—	0.8	-102
MW-2	4/6/2005	40,000	1,500	940	1,600	2,900	—	23,000	—	—	—	23,000	—	—	—	170.88	9.23	—	161.65	—	0.60	-104
MW-2	7/8/2005	50,000	2,300	1,500	1,700	6,600	—	24,000	<150	<150	<150	25,000	—	—	<1,500	170.88	10.99	10.97	159.91	0.02	0.01	-41
MW-2	10/7/2005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170.88	12.15	12.13	158.75	0.02	—	—
MW-2	1/27/2006	56,800	1,270	1,280	1,520	5,370	—	8,210	—	—	—	10,600	—	—	—	170.88	9.55	—	161.33	—	—	—
MW-2	3/16/2006	82,100	1,230	1,310	1,350	4,630	—	9,020	—	—	—	9,690	—	—	—	170.88	8.10	—	162.78	—	—	—
MW-2	4/28/2006	81,400	1,200	1,610	1,660	5,580	—	10,800	—	—	—	11,100	—	—	—	170.88	9.25	—	161.63	—	—	—
MW-2	5/15/2006	119,000	2,210	3,800	2,330	8,900	—	15,600	—	—	—	12,200	—	—	—	170.88	10.28	—	160.60	—	—	—
MW-2	6/19/2006	121,000	1,680	3,830	2,990	12,400	—	10,700	—	—	—	9,310	—	—	—	170.88	10.90	—	159.98	—	—	—
MW-2	7/28/2006	172,000	3,590	3,450	2,840	8,210	—	22,800	<0.500	<0.500	<0.500	11,300	—	—	<50.0	170.88	11.84	—	159.04	—	—	—
MW-2	8/31/2006	91,200	1,590	3,710	2,570	11,700	—	3,520	—	—	—	3,940	—	—	—	170.88	18.03	—	152.85	—	—	—
MW-2	9/26/2006	50,000	2,300	1,300	1,600	6,700	—	17,000	—	—	—	19,000	—	—	—	170.88	10.23	—	160.65	—	—	—
MW-2	10/27/2006	159,000	5,200	3,890	2,600	12,500	—	18,100	—	—	—	9,230 d	—	—	—	170.88	12.11	—	158.77	—	—	—
MW-2	11/22/2006	53,000	1,500	960	1,800	7,100	—	9,600	—	—	—	12,000	—	—	—	170.88	11.35	—	159.53	—	—	—
MW-2	12/26/2006	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	170.88	—	—	—	—	—	—
MW-2	1/10/2007	45,000	2,700	1,700	1,400	5,800	—	13,000	—	—	—	11,000	—	—	—	170.88	10.21	—	160.67	—	—	—
MW-2	2/19/2007	13,000	1,800	1,900	1,500	5,900	—	7,400	—	—	—	11,000	—	—	—	170.88	9.22	—	161.66	—	—	—
MW-2	3/16/2007	52,000	2,600	2,300	2,000	7,300	—	9,100	—	—	—	12,000	—	—	—	170.88	9.88	—	161.00	—	—	—
MW-2	4/13/2007	60,000 g	2,200	2,100	2,300	7,900	—	13,000	—	—	—	20,000	—	—	—	170.88	10.61	10.59	160.29	0.02	—	—
MW-2	7/9/2007	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170.88	11.77	11.66	159.20	0.11	—	—
MW-2	10/8/2007	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170.88	12.70	12.51	158.33	0.19	—	—
MW-2	11/19/2007	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170.88	8.00	—	162.88	—	—	—
MW-2	12/10/2007	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170.88	6.49	—	164.39	—	—	—
MW-2	1/9/2008	Unable to access		—	—	—	—	—	—	—	—	—	—	—	—	170.88	—	—	—	—	—	—
MW-2	1/22/2008	Unable to access		—	—	—	—	—	—	—	—	—	—	—	—	170.88	—	—	—	—	—	—
MW-2	2/21/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170.88	8.86	—	162.02	—	—	—
MW-2	3/20/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170.88	10.24	10.22	160.66	0.02	—	—
MW-2	4/4/2008	Unable to access		—	—	—	—	—	—	—	—	—	—	—	—	170.88	—	—	—	—	—	—
MW-2	5/27/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170.88	12.44	12.41	158.46	0.03	—	—
MW-2	6/11/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170.88	11.10	11.01	159.85	0.09	—	—
MW-2	7/3/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170.88	11.62	11.76	159.37	0.14	—	—
MW-2	8/4/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170.88	11.88	11.82	159.05	0.06	—	—
MW-2	9/17/1998	Unable to access		—	—	—	—	—	—	—	—	—	—	—	—	170.88	—	—	—	—	—	—
MW-2	10/3/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170.88	12.66	12.40	158.43	0.26	—	—
MW-2	11/26/2008	Unable to access		—	—	—	—	—	—	—	—	—	—	—	—	170.88	—	—	—	—	—	—

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
4255 MACARTHUR BOULEVARD, OAKLAND, CALIFORNIA

Well ID	Date	TPPH µg/L	B µg/L	T µg/L	E µg/L	X µg/L	MTBE 8020 µg/L	MTBE 8260 µg/L	DIPE µg/L	ETBE µg/L	TAME µg/L	TBA µg/L	EDB µg/L	1,2-DCA µg/L	Ethanol µg/L	TOC (ft MSL)	Depth to Water (ft TOC)	Depth to SPH (ft.)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (ppm)	ORP Reading (mV)
MW-2	12/30/2008	Unable to access		—	—	—	—	—	—	—	—	—	—	—	—	170.88	—	—	—	—	—	—
MW-2	1/22/2009	86,000	3,800	1,600	2,500	9,800	—	10,000	—	—	—	7,900	—	—	—	170.88	10.74	—	160.14	—	—	—
MW-2	2/27/2009	Unable to access		—	—	—	—	—	—	—	—	—	—	—	—	170.88	—	—	—	—	—	—
MW-2	4/13/2009	60,000	1,700	980	2,000	7,000	—	4,300	—	—	—	4,600	—	—	—	170.88	10.36	10.35	160.53	0.01	—	—
MW-2	7/23/2009	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170.88	11.91	11.71	159.13	0.20	—	—
MW-2	11/10/2009	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170.88	10.87	11.71	160.04	0.04	—	—
MW-2	2/1/2010	Unable to access		—	—	—	—	—	—	—	—	—	—	—	—	170.88	—	—	—	—	—	—
MW-2	2/9/2010	Unable to access		—	—	—	—	—	—	—	—	—	—	—	—	170.88	—	—	—	—	—	—
MW-2	8/2/2010	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170.88	11.38	11.34	159.53	0.04	—	—
MW-2	**1/31/2011**	**77,000**	**1,700**	**1,500**	**2,600**	**9,000**	**—**	**2,100**	**—**	**—**	**—**	**2,700**	**<25**	**<25**	**—**	**170.88**	**9.09**	**—**	**161.79**	**—**	**—**	**—**
MW-3	11/17/1993	18,000	5,400	660	720	2,200	—	—	—	—	—	—	—	—	—	174.61	15.40	—	159.21	—	—	—
MW-3	1/20/1994	55,000	13,000	2,600	2,200	6,500	—	—	—	—	—	—	—	—	—	174.61	14.61	—	160.00	—	—	—
MW-3	4/25/1994	96,000	11,000	1,600	3,100	9,900	—	—	—	—	—	—	—	—	—	174.61	13.12	—	161.49	—	—	—
MW-3 (D)	4/25/1994	78,000	12,000	1,900	2,600	7,300	—	—	—	—	—	—	—	—	—	174.61	13.12	—	161.49	—	—	—
MW-3	7/7/1994	—	—	—	—	—	—	—	—	—	—	—	—	—	—	174.61	14.54	—	160.07	0.02	—	—
MW-3	10/27/1994	—	—	—	—	—	—	—	—	—	—	—	—	—	—	174.61	15.62	—	159.03	0.05	—	—
MW-3	11/17/1994	—	—	—	—	—	—	—	—	—	—	—	—	—	—	174.61	13.83	—	160.78	—	—	—
MW-3	11/28/1994	—	—	—	—	—	—	—	—	—	—	—	—	—	—	174.61	14.02	—	160.59	—	—	—
MW-3	1/13/1995	180,000	3,200	2,700	1,700	5,200	—	—	—	—	—	—	—	—	—	174.61	12.13	—	162.48	—	—	—
MW-3 (D)	1/13/1995	23,000	4,000	690	960	3,000	—	—	—	—	—	—	—	—	—	174.61	12.13	—	162.48	—	—	—
MW-3	4/12/1995	56,000	8,700	1,500	2,100	6,300	—	—	—	—	—	—	—	—	—	174.61	12.96	—	161.65	—	—	—
MW-3	7/25/1995	—	—	—	—	—	—	—	—	—	—	—	—	—	—	174.61	14.28	—	160.38	0.06	—	—
MW-3	10/18/1995	—	—	—	—	—	—	—	—	—	—	—	—	—	—	174.61	15.88	—	158.77	0.05	—	—
MW-3	1/17/1996	—	—	—	—	—	—	—	—	—	—	—	—	—	—	174.61	13.86	—	160.94	0.24	—	—
MW-3	4/25/1996	—	—	—	—	—	—	—	—	—	—	—	—	—	—	174.61	13.82	—	160.81	0.02	—	—
MW-3	7/17/1996	—	—	—	—	—	—	—	—	—	—	—	—	—	—	174.61	16.11	—	158.52	0.03	—	—
MW-3	10/1/1996	46,000	7,300	530	1,700	3,900	3,200	—	—	—	—	—	—	—	—	174.61	16.56	—	158.05	—	—	—
MW-3 (D)	10/1/1996	47,000	7,100	530	1,700	4,000	2,900	—	—	—	—	—	—	—	—	174.61	16.56	—	158.05	—	—	—
MW-3	1/22/1997	82,000	5,200	1,300	2,800	8,900	1,100	—	—	—	—	—	—	—	—	174.61	13.07	—	161.54	—	—	—
MW-3 (D)	1/22/1997	61,000	8,400	1,100	2,300	7,000	2,700	—	—	—	—	—	—	—	—	174.61	13.07	—	161.54	—	—	—
MW-3	4/8/1997	—	—	—	—	—	—	—	—	—	—	—	—	—	—	174.61	17.09	—	157.54	0.03	—	—
MW-3	7/8/1997	56,000	8,800	580	2,000	4,900	2,800	—	—	—	—	—	—	—	—	174.61	15.85	—	158.76	—	—	—
MW-3	10/8/1997	48,000	8,000	590	1,700	3,400	5,100	—	—	—	—	—	—	—	—	174.61	16.22	—	158.39	—	—	—
MW-3	1/8/1998	47,000	9,400	810	2,300	4,700	6,300	—	—	—	—	—	—	—	—	174.61	13.80	—	160.81	—	—	—
MW-3 (D)	1/8/1998	48,000	8,100	750	2,000	4,100	5,800	—	—	—	—	—	—	—	—	174.61	13.80	—	160.81	—	—	—
MW-3	4/13/1998	32,000	6,800	540	1,400	3,400	4,000	—	—	—	—	—	—	—	—	174.61	12.97	—	161.64	—	—	—
MW-3 (D)	4/13/1998	36,000	7,300	660	1,600	3,700	4,000	—	—	—	—	—	—	—	—	174.61	12.97	—	161.64	—	—	—
MW-3	7/17/1998	71,000	11,000	590	2,200	6,900	3,900	—	—	—	—	—	—	—	—	174.61	11.51	—	163.10	—	—	—
MW-3 (D)	7/17/1998	76,000	12,000	700	2,600	8,000	3,000	—	—	—	—	—	—	—	—	174.61	11.51	—	163.10	—	—	—

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
4255 MACARTHUR BOULEVARD, OAKLAND, CALIFORNIA

Well ID	Date	TPPH µg/L	B µg/L	T µg/L	E µg/L	X µg/L	MTBE 8020 µg/L	MTBE 8260 µg/L	DIPE µg/L	ETBE µg/L	TAME µg/L	TBA µg/L	EDB µg/L	1,2-DCA µg/L	Ethanol µg/L	TOC (ft MSL)	Depth to Water (ft TOC)	Depth to SPH (ft.)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (ppm)	ORP Reading (mV)
MW-3	10/2/1998	66,000	8,900	510	2,000	4,900	4,600	—	—	—	—	—	—	—	—	174.61	16.50	—	158.11	—	—	—
MW-3 (D)	10/2/1998	59,000	9,400	460	2,000	4,900	4,700	—	—	—	—	—	—	—	—	174.61	16.50	—	158.11	—	—	—
MW-3	2/3/1999	36,000	6,800	300	1,600	2,900	18,000	—	—	—	—	—	—	—	—	174.61	15.21	—	159.40	—	1.3	—
MW-3	4/29/1999	45,000	8,100	580	2,200	5,800	4,700	5,150	—	—	—	—	—	—	—	174.61	15.43	—	159.18	—	1.5	-68
MW-3	7/23/1999	29,400	3,540	215	810	3,800	4,720	6,950*	—	—	—	—	—	—	—	174.61	14.95	—	159.66	—	1.3	—
MW-3	11/1/1999	20,000	4,190	294	1,060	1,740	5,540	8,590	—	—	—	—	—	—	—	174.61	14.66	—	159.95	—	0.6	-110
MW-3	1/17/2000	17,000	3,900	89	1,100	1,200	7,900	—	—	—	—	—	—	—	—	174.61	13.94	—	160.67	—	1.3	-40
MW-3	4/17/2000	28,100	5,240	247	1,540	2,750	16,600	—	—	—	—	—	—	—	—	174.61	14.00	—	160.61	—	1.1	-86
MW-3	7/26/2000	24,300	6,680	159	1,610	1,640	17,100	—	—	—	—	—	—	—	—	174.61	13.72	—	160.89	—	0.9	-70
MW-3	10/12/2000	14,300	2,630	86.7	241	1,360	16,300	—	—	—	—	—	—	—	—	174.61	14.15	—	160.46	—	0.9	50
MW-3	1/15/2001	22,100	4,400	266	977	2,990	13,200	—	—	—	—	—	—	—	—	174.61	13.05	—	161.56	—	1.3	-40
MW-3	4/9/2001	33,800	7,100	147	1,700	2,660	13,000	—	—	—	—	—	—	—	—	174.61	13.59	—	161.02	—	0.6	-56
MW-3	7/24/2001	220,000	5,600	1,900	4,400	19,000	—	12,000	—	—	—	—	—	—	—	174.61	14.43	—	160.18	—	0.4	29
MW-3	10/31/2001	65,000	2,700	510	1,800	7,200	—	9,800	<20	<20	<20	5,200	—	—	<500	174.61	14.59	—	160.02	—	0.9	-27
MW-3	1/10/2002	66,000	2,400	490	1,700	6,600	—	5,500	—	—	—	—	—	—	—	174.61	12.65	—	161.96	—	1.7	-76
MW-3	4/25/2002	55,000	4,600	460	2,400	6,900	—	8,100	—	—	—	—	—	—	—	174.61	14.13	—	160.48	—	1.2	-96
MW-3	7/18/2002	56,000	3,300	270	1,700	5,000	—	8,400	—	—	—	—	—	—	—	174.61	15.48	15.45	159.15	0.03	0.8	-41
MW-3	10/7/2002	—	—	—	—	—	—	—	—	—	—	—	—	—	—	174.59	14.60	14.40	160.15	0.20	—	—
MW-3	1/6/2003	57,000	3,200	330	1,800	5,400	—	5,100	—	—	—	—	—	—	—	174.59	11.62	11.60	162.99	0.02	0.4	33
MW-3	4/7/2003	57,000	6,200	500	2,400	6,700	—	8,200	—	—	—	3,900	—	—	—	174.59	13.80	—	160.79	—	0.5	61
MW-3	7/7/2003	28,000	4,900	300	1,500	4,100	—	7,900	—	—	—	4,700	—	—	—	174.59	14.00	—	160.59	—	1.0	-11
MW-3	10/9/2003	—	—	—	—	—	—	—	—	—	—	—	—	—	—	174.59	14.44	14.36	160.21	0.08	—	—
MW-3	10/20/2003	—	—	—	—	—	—	—	—	—	—	—	—	—	—	174.59	14.68	14.61	159.97	0.07	—	—
MW-3	1/14/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	174.59	12.47	12.45	162.14	0.02	—	—
MW-3	4/28/2004	32,000	7,300	190	2,100	4,300	—	3,700	—	—	—	2,500	—	—	—	174.59	13.66	—	160.93	—	0.1	-16
MW-3	7/12/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	174.59	14.87	14.83	159.75	0.04	—	—
MW-3	10/25/2004	49,000	5,100	61	1,800	3,600	—	5,400	—	—	—	2,700	—	—	—	174.59	14.12	—	160.47	—	2.70	-59
MW-3	1/17/2005	57,000	8,000	190	2,000	4,000	—	4,600	—	—	—	3,300	—	—	—	174.59	10.59	—	164.00	—	0.2	-18
MW-3	4/6/2005	57,000	7,300	180	2,200	3,300	—	4,100	—	—	—	2,700	—	—	—	174.59	10.58	—	164.01	—	0.95	-77
MW-3	7/8/2005	28,000	2,900	47	1,100	2,000	—	2,800	<20	<20	<20	1,900	—	—	<200	174.59	13.46	—	161.13	—	0.1	-51
MW-3	10/7/2005	23,000	3,200	39	960	1,300	—	2,600	—	—	—	1,900	—	—	—	174.59	14.76	—	159.83	—	—	—
MW-3	1/27/2006	38,500	6,520	139	1,350	2,160	—	1,940	—	—	—	1,490	—	—	—	174.59	11.69	—	162.90	—	—	—
MW-3	3/16/2006	65,100	5,280	181	1,580	2,520	—	2,410	—	—	—	12,300	—	—	—	174.59	10.08	—	164.51	—	—	—
MW-3	4/28/2006	<1000	4,330	157	1,480	2,690	—	2,470	—	—	—	1,520	—	—	—	174.59	3.31	—	171.28	—	—	—
MW-3	5/15/2006	69,600	6,100	159	1,690	2,640	—	3,520	—	—	—	1,720	—	—	—	174.59	12.69	—	161.90	—	—	—
MW-3	6/19/2006	103,000	5,070	117	2,210	3,950	—	2,790	—	—	—	1,080	—	—	—	174.59	13.28	—	161.31	—	—	—
MW-3	7/28/2006	86,600	4,890	85.7	1,570	2,250	—	2,790	7.28	<0.500	<0.500	1,260	—	—	<50.0	174.59	14.72	—	159.87	—	—	—
MW-3	8/31/2006	45,700	4,600	204	1,740	2,680	—	2,580	—	—	—	1,520	—	—	—	174.59	14.75	—	159.84	—	—	—
MW-3	9/26/2006	29,000	3,900	76	1,500	2,100	—	2,700	—	—	—	1,500	—	—	—	174.59	14.97	—	159.62	—	—	—
MW-3	10/27/2006	41,000	3,690	65.2	1,210	1,650	—	1,760	—	—	—	867 d	—	—	—	174.59	15.00	—	159.59	—	—	—

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
4255 MACARTHUR BOULEVARD, OAKLAND, CALIFORNIA

Well ID	Date	TPPH µg/L	B µg/L	T µg/L	E µg/L	X µg/L	MTBE 8020 µg/L	MTBE 8260 µg/L	DIPE µg/L	ETBE µg/L	TAME µg/L	TBA µg/L	EDB µg/L	1,2-DCA µg/L	Ethanol µg/L	TOC (ft MSL)	Depth to Water (ft TOC)	Depth to SPH (ft.)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (ppm)	ORP Reading (mV)
MW-3	11/22/2006	30,000	3,300	51	810	1,500	—	1,900	—	—	—	1,300	—	—	—	174.59	14.26	—	160.33	—	—	—
MW-3	12/26/2006	31,000	2,500	56	1,100	1,500	—	2,200	—	—	—	2,000	—	—	—	174.59	12.52	—	162.07	—	—	—
MW-3	1/10/2007	18,000	2,600	43	750	940	—	2,100	—	—	—	2,100	—	—	—	174.59	12.81	—	161.78	—	—	—
MW-3	2/19/2007	27,000	3,800	110	1,200	1,500	—	2,400	—	—	—	3,200	—	—	—	174.59	11.65	—	162.94	—	—	—
MW-3	3/16/2007	25,000	4,000	80	1,300	1,500	—	2,100	—	—	—	2,400	—	—	—	174.59	12.20	—	162.39	—	—	—
MW-3	4/13/2007	30,000 g	4,400	73	1,500	1,920	—	2,800	—	—	—	3,900	—	—	—	174.59	13.37	—	161.22	—	—	—
MW-3	7/9/2007	25,000 g	3,800	57	1,400	1,456	—	1,900	<100	<100	<100	1,500	—	—	<5,000	174.59	14.30	—	160.29	—	—	—
MW-3	10/8/2007	20,000 g	3,200	35 i	1,300	1,124 i	—	1,700	—	—	—	1,500	—	—	—	174.59	15.19	15.18	159.41	0.01	—	—
MW-3	11/19/2007	Unable to access			—	—	—	—	—	—	—	—	—	—	—	174.59	—	—	—	—	—	—
MW-3	11/30/2007	—	—	—	—	—	—	—	—	—	—	—	—	—	—	174.59	14.07	—	160.52	—	—	—
MW-3	12/10/2007	—	—	—	—	—	—	—	—	—	—	—	—	—	—	174.59	13.78	—	160.81	—	—	—
MW-3	1/9/2008	33,000 g	2,800	34	910	782 i	—	1,000	—	—	—	1,100	—	—	—	174.59	11.09	—	163.50	—	—	—
MW-3	2/21/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	174.59	12.22	—	162.37	—	—	—
MW-3	3/20/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	174.59	13.03	—	161.56	—	—	—
MW-3	4/4/2008	24,000	3,300	55	1,100	844	—	1,900	—	—	—	1,200	—	—	—	174.59	13.41	—	161.18	—	—	—
MW-3	5/27/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	174.59	20.49	20.48	154.11	0.01	—	—
MW-3	6/11/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	174.59	13.95	13.94	160.65	0.01	—	—
MW-3	7/3/2008	33,000	3,800	38	1,500	1,200	—	2,600	<50	<50	<50	1,800	—	—	<2,500	174.59	10.48	10.47	164.12	0.01	—	—
MW-3	9/17/1998	—	—	—	—	—	—	—	—	—	—	—	—	—	—	174.59	14.76	—	159.83	0.00	—	—
MW-3	9/17/1998	—	—	—	—	—	—	—	—	—	—	—	—	—	—	174.59	14.95	14.94	159.65	0.01	—	—
MW-3	10/3/2008	26,000	3,000	29	1,200	750	—	1,700	—	—	—	1,400	—	—	—	174.59	15.32	15.31	159.28	0.01	—	—
MW-3	11/26/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	174.59	14.54	—	160.05	0.00	—	—
MW-3	12/30/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	174.59	13.04	—	161.55	—	—	—
MW-3	1/22/2009	27,000	2,300	29	880	610	—	1,600	—	—	—	1,700	—	—	—	174.59	13.73	—	160.86	—	—	—
MW-3	2/27/2009	—	—	—	—	—	—	—	—	—	—	—	—	—	—	174.59	12.88	—	161.71	—	—	—
MW-3	4/13/2009	27,000	3,000	51	1,200	740	—	1,400	—	—	—	1,500	—	—	—	174.59	13.01	—	161.58	—	—	—
MW-3	7/23/2009	26,000	3,300	41	1,600	1,200	—	2,200	<50	<50	<50	1,600	—	—	<2500	174.59	14.59	—	160.00	—	—	—
MW-3	11/10/2009	—	—	—	—	—	—	—	—	—	—	—	—	—	—	174.59	13.66	—	160.93	—	—	—
MW-3	2/1/2010	34,000	3,200	44	1,300	1,700	—	1,000	—	—	—	1,100	—	—	—	174.59	10.65	—	163.94	—	—	—
MW-3	8/2/2010	16,000	1,500	12	440	460	—	910	—	—	—	1,200	—	—	—	174.59	14.09	—	160.50	—	—	—
MW-3	**1/31/2011**	**21,000**	**2,200**	**32**	**980**	**980**	**—**	**1,300**	**—**	**—**	**—**	**1,700**	**<20**	**<20**	**—**	**174.59**	**11.89**	**—**	**162.70**	**—**	**—**	**—**
MW-4	11/17/1994	—	—	—	—	—	—	—	—	—	—	—	—	—	—	164.06	6.62	—	157.44	—	—	—
MW-4	11/28/1994	2,900	200	17	76	260	—	—	—	—	—	—	—	—	—	164.06	6.11	—	157.95	—	—	—
MW-4	1/13/1995	1,900	130	5.6	13	40	—	—	—	—	—	—	—	—	—	164.06	6.05	—	158.01	—	—	—
MW-4	4/12/1995	680	150	<2.0	10	13	—	—	—	—	—	—	—	—	—	164.06	6.31	—	157.75	—	—	—
MW-4	7/25/1995	340	100	0.8	8.8	3	—	—	—	—	—	—	—	—	—	164.06	7.36	—	156.70	—	—	—
MW-4	10/18/1995	150	31	<0.5	3.5	0.8	—	—	—	—	—	—	—	—	—	164.06	8.54	—	155.52	—	—	—
MW-4	1/17/1996	290	14	<0.5	1.8	0.8	—	—	—	—	—	—	—	—	—	164.06	8.48	—	155.58	—	—	—
MW-4	4/25/1996	<500	65	<5	<5	<5	1,700	—	—	—	—	—	—	—	—	164.06	7.40	—	156.66	—	—	—

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
4255 MACARTHUR BOULEVARD, OAKLAND, CALIFORNIA

Well ID	Date	TPPH µg/L	B µg/L	T µg/L	E µg/L	X µg/L	MTBE 8020 µg/L	MTBE 8260 µg/L	DIPE µg/L	ETBE µg/L	TAME µg/L	TBA µg/L	EDB µg/L	1,2-DCA µg/L	Ethanol µg/L	TOC (ft MSL)	Depth to Water (ft TOC)	Depth to SPH (ft.)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (ppm)	ORP Reading (mV)
MW-4 (D)	4/25/1996	<500	66	<5	8.7	<5	1,500	—	—	—	—	—	—	—	—	164.06	7.40	—	156.66	—	—	—
MW-4	7/17/1996	<500	84	<5.0	6.5	<5.0	1,500	—	—	—	—	—	—	—	—	164.06	7.75	—	156.31	—	—	—
MW-4 (D)	7/17/1996	<500	54	<5.0	<5.0	<5.0	1,700	2,100	—	—	—	—	—	—	—	164.06	7.75	—	156.31	—	—	—
MW-4	10/1/1996	<500	1.9	<5.0	<5.0	<5.0	3,000	—	—	—	—	—	—	—	—	164.06	8.82	—	155.24	—	—	—
MW-4	1/22/1997	580	130	<2.5	18	5.2	1,200	—	—	—	—	—	—	—	—	164.06	7.51	—	156.55	—	—	—
MW-4	4/8/1997	770	200	7	26	55	1,500	8	—	—	—	—	—	—	—	164.06	7.18	—	156.88	—	—	—
MW-4	7/8/1997	570	78	<5.0	14	11	1,200	—	—	—	—	—	—	—	—	164.06	9.00	—	155.06	—	—	—
MW-4 (D)	7/8/1997	640	81	<5.0	16	19	1,600	—	—	—	—	—	—	—	—	164.06	9.00	—	155.06	—	—	—
MW-4	10/8/1997	<500	40	<5.0	7.4	5.4	1,400	—	—	—	—	—	—	—	—	164.06	8.97	—	155.09	—	—	—
MW-4 (D)	10/8/1997	<500	36	<5.0	5.9	<5.0	1,400	—	—	—	—	—	—	—	—	164.06	8.97	—	155.09	—	—	—
MW-4	1/8/1998	<1,000	55	<10	13	<10	2,000	—	—	—	—	—	—	—	—	164.06	7.90	—	156.16	—	—	—
MW-4	4/13/1998	350	110	2.4	20	26	<2.5	—	—	—	—	—	—	—	—	164.06	7.35	—	156.71	—	—	—
MW-4	7/17/1998	210	66	0.78	5.4	9.8	1,700	—	—	—	—	—	—	—	—	164.06	6.95	—	157.11	—	—	—
MW-4	10/2/1998	<50	0.69	<0.50	<0.50	<0.50	2,900	—	—	—	—	—	—	—	—	164.06	7.35	—	156.71	—	—	—
MW-4	2/3/1999	560	120	2.5	29	34	6,800	—	—	—	—	—	—	—	—	164.06	7.71	—	156.35	—	0.9	—
MW-4	4/29/1999	390	80	1.9	13	19	7,000	8,360	—	—	—	—	—	—	—	164.06	7.83	—	156.23	—	1.1	-125
MW-4	7/23/1999	460	93.6	8.40	25.2	28.8	3,760	6,000*	—	—	—	—	—	—	—	164.06	11.33	—	152.73	—	0.9	—
MW-4	11/1/1999	77.3	0.520	<0.500	<0.500	<0.500	539	—	—	—	—	—	—	—	—	164.06	10.66	—	153.40	—	2.8	3
MW-4	1/17/2000	160	27	<0.50	12	6.3	12,000	—	—	—	—	—	—	—	—	164.06	10.15	—	153.91	—	3.9	-17
MW-4	4/17/2000	<500	26	6.38	9.35	10.4	9,070	—	—	—	—	—	—	—	—	164.06	10.10	—	153.96	—	1.7	-129
MW-4	7/26/2000	<500	22.7	<5.00	7.59	6.96	7,660	—	—	—	—	—	—	—	—	164.06	10.09	—	153.97	—	1.4	-137
MW-4	10/12/2000	172	19.8	<0.500	7.47	4.50	8,290	—	—	—	—	—	—	—	—	164.06	9.35	—	154.71	—	3.5	529
MW-4	1/15/2001	53.6	1.50	<0.500	2.45	1.80	9,260	—	—	—	—	—	—	—	—	164.06	8.77	—	155.29	—	2.3	53
MW-4	4/9/2001	<500	<5.00	<5.00	<5.00	5.52	10,300	—	—	—	—	—	—	—	—	164.06	7.75	—	156.31	—	1.0	-133
MW-4	7/24/2001	58	3.8	<0.50	3.2	2.9	—	1,700	—	—	—	—	—	—	—	164.06	10.07	—	153.99	—	0.5	106
MW-4	10/31/2001	<1,000	<10	<10	<10	<10	—	7,400	—	—	—	—	—	—	—	164.06	9.97	—	154.09	—	0.8	22
MW-4	1/10/2002	<2,000	<20	<20	<20	<20	—	12,000	—	—	—	—	—	—	—	164.06	8.53	—	155.53	—	8.9	224
MW-4	4/25/2002	<2,000	<20	<20	<20	<20	—	7,900	—	—	—	—	—	—	—	164.06	7.33	—	156.73	—	3.6	-84
MW-4	7/18/2002	<2,000	<20	<20	<20	<20	—	7,200	—	—	—	—	—	—	—	164.06	9.05	—	155.01	—	1.7	120
MW-4	10/7/2002	<1,000	<10	<10	<10	<10	—	3,300	—	—	—	—	—	—	—	164.03	9.06	—	154.97	—	2.5	33
MW-4	1/6/2003	<500	21	<5.0	<5.0	<5.0	—	2,500	—	—	—	—	—	—	—	164.03	7.09	—	156.94	—	0.5	55
MW-4	4/7/2003	<2,500	<25	<25	<25	<50	—	1,700	—	—	—	5,900	—	—	—	164.03	8.26	—	155.77	—	1.2	69
MW-4	7/7/2003	<2,500	<25	<25	<25	<50	—	860	—	—	—	6,900	—	—	—	164.03	8.92	—	155.11	—	0.5	-3
MW-4	10/9/2003	<500	<5.0	<5.0	<5.0	<10	—	420	—	—	—	6,700	—	—	—	164.03	8.91	—	155.12	—	0.7	171
MW-4	1/14/2004	<1,000	24	<10	<10	<20	—	500	—	—	—	7,200	—	—	—	164.03	8.34	—	155.69	—	1.2	140
MW-4	4/28/2004	<500	6.0	<5.0	<5.0	<10	—	310	—	—	—	5,200	—	—	—	164.03	7.55	—	156.48	—	0.4	69
MW-4	7/12/2004	<500	11	<5.0	7.8	<10	—	370	<20	<20	<20	5,900	—	—	<500	164.03	8.12	—	155.91	—	0.5	142
MW-4	10/25/2004	<500	<5.0	<5.0	5.6	<10	—	280	—	—	—	4,300	—	—	—	164.03	7.85	—	156.18	—	1.90	-70
MW-4	1/17/2005	<1,000	56	<10	10	<20	—	380	—	—	—	8,400	—	—	—	164.03	6.08	—	157.95	—	0.4	6
MW-4	4/6/2005	<1,000	52	<10	11	<20	—	450	—	—	—	12,000	—	—	—	164.03	8.10	—	155.93	—	0.49	11

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
4255 MACARTHUR BOULEVARD, OAKLAND, CALIFORNIA

Well ID	Date	TPPH µg/L	B µg/L	T µg/L	E µg/L	X µg/L	MTBE 8020 µg/L	MTBE 8260 µg/L	DIPE µg/L	ETBE µg/L	TAME µg/L	TBA µg/L	EDB µg/L	1,2-DCA µg/L	Ethanol µg/L	TOC (ft MSL)	Depth to Water (ft TOC)	Depth to SPH (ft.)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (ppm)	ORP Reading (mV)
MW-4	7/8/2005	<400	30	<4.0	6.0	<4.0	—	250	<4.0	<4.0	<4.0	9,600	—	—	<40	164.03	7.50	—	156.53	—	0.6	71
MW-4	7/8/2005	<400	30	<4.0	6.0	<4.0	—	250	<4.0	<4.0	<4.0	9,600	—	—	<40	164.03	7.50	—	156.53	—	0.6	71
MW-4	10/7/2005	<1,000	<10	<10	<10	<20	—	200	—	—	—	8,900	—	—	—	164.03	8.30	—	155.73	—	—	—
MW-4	1/27/2006	1,140	34.3	2.37	8.69	12.0	—	198	—	—	—	32,100	—	—	—	164.03	8.55	—	155.48	—	—	—
MW-4	4/28/2006	1,490	46.8	2.80	21.2	24.8	—	344	—	—	—	14,800	—	—	—	164.03	9.02	—	155.01	—	—	—
MW-4	7/28/2006	951	5.09	<0.500	<0.500	<0.500	—	169	1.57	<0.500	<0.500	4,830	—	—	<50.0	164.03	9.19	—	154.84	—	—	—
MW-4	10/27/2006	1,620	21.5	2.65	13.2	10.3	—	173	—	—	—	5,150	—	—	—	164.03	9.01	—	155.02	—	—	—
MW-4	1/10/2007	740	56	2.4	23	24	—	190	—	—	—	7,500 f	—	—	—	164.03	6.95	—	157.08	—	—	—
MW-4	4/13/2007	1,500 g	130	20	100	138	—	120	—	—	—	6,300	—	—	—	164.03	7.51	—	156.52	—	—	—
MW-4	7/9/2007	650 g	65	5.3 i	36	33.2 i	—	130	<20	<20	<20	6,000	—	—	<1,000	164.03	7.85	—	156.18	—	—	—
MW-4	10/8/2007	840 g	100	23	70	120	—	120	—	—	—	5,300	—	—	—	164.03	8.50	—	155.53	—	—	—
MW-4	1/9/2008	2,200 g	130	38	130	264	—	160	—	—	—	5,400	—	—	—	164.03	8.33	—	155.70	—	—	—
MW-4	4/4/2008	1,700	93	24	74	145	—	110	—	—	—	3,700	—	—	—	164.03	6.63	—	157.40	—	—	—
MW-4	7/3/2008	1,400	87	15	54	109	—	88	<20	<20	<20	3,900	—	—	<1,000	164.03	8.25	—	155.78	—	—	—
MW-4	10/3/2008	1,000	61	12	41	78	—	84	—	—	—	3,700	—	—	—	164.03	8.54	—	155.49	—	—	—
MW-4	1/22/2009	800	26	5.4	14	26	—	81	—	—	—	4,100	—	—	—	164.03	7.40	—	156.63	—	—	—
MW-4	4/13/2009	2,000	100	26	64	130	—	69	—	—	—	3,200	—	—	—	164.03	6.91	—	157.12	—	—	—
MW-4	7/23/2009	1,500	180	54	86	200	—	85	<10	<10	<10	2,500	—	—	<500	164.03	7.97	—	156.06	—	—	—
MW-4	2/1/2010	1,400	120	44	57	120	—	81	—	—	—	2,900	—	—	—	164.03	6.05	—	157.98	—	—	—
MW-4	8/2/2010	340,000	5,300	5,800	7,700	26,000	—	62	—	—	—	1,800	—	—	—	164.03	6.48	—	157.55	0.12	—	—
MW-4	**1/31/2011**	**9,700**	**47**	**62**	**340**	**1,100**	**—**	**77**	**—**	**—**	**—**	**1,300**	**<5.0**	**<5.0**	**—**	**164.03**	**6.67**	**—**	**157.36**	**—**	**—**	**—**
MW-5	1/4/2002	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.62	—	—	—	—	—
MW-5	1/10/2002	<50	<0.50	<0.50	<0.50	<0.50	—	110	—	—	—	—	—	—	—	164.06	5.88	—	158.18	—	3.3	172
MW-5	4/25/2002	<50	<0.50	<0.50	<0.50	<0.50	—	73	—	—	—	—	—	—	—	164.06	6.81	—	157.25	—	0.3	-44
MW-5	7/18/2002	<50	<0.50	<0.50	<0.50	<0.50	—	75	—	—	—	—	—	—	—	164.06	7.38	—	156.68	—	0.4	170
MW-5	10/7/2002	<50	<0.50	<0.50	<0.50	<0.50	—	41	—	—	—	—	—	—	—	164.14	6.75	—	157.39	—	1.5	16
MW-5	1/6/2003	<50	<0.50	<0.50	<0.50	<0.50	—	81	—	—	—	—	—	—	—	164.14	5.96	—	158.18	—	0.6	166
MW-5	4/7/2003	<50	<0.50	<0.50	<0.50	<1.0	—	77	—	—	—	28	—	—	—	164.14	6.51	—	157.63	—	0.8	174
MW-5	7/7/2003	<50	<0.50	<0.50	<0.50	<1.0	—	32	—	—	—	23	—	—	—	164.14	6.44	—	157.70	—	0.3	-17
MW-5	10/9/2003	<50	<0.50	<0.50	<0.50	<1.0	—	59	—	—	—	40	—	—	—	164.14	7.05	—	157.09	—	0.9	17
MW-5	1/14/2004	<50	<0.50	0.76	<0.50	<1.0	—	47	—	—	—	17	—	—	—	164.14	6.29	—	157.85	—	1.6	209
MW-5	4/28/2004	<50	<0.50	<0.50	<0.50	<1.0	—	31	—	—	—	11	—	—	—	164.14	6.84	—	157.30	—	0.4	136
MW-5	7/12/2004	<50	<0.50	<0.50	<0.50	<1.0	—	47	<2.0	<2.0	<2.0	12	—	—	<50	164.14	7.57	—	156.57	—	0.4	90
MW-5	10/25/2004	<50	<0.50	<0.50	<0.50	<1.0	—	41	—	—	—	13	—	—	—	164.14	6.50	—	157.64	—	1.74	-21
MW-5	1/17/2005	<50	<0.50	<0.50	<0.50	<1.0	—	41	—	—	—	12	—	—	—	164.14	5.83	—	158.31	—	0.1	-7
MW-5	4/6/2005	<50	<0.50	<0.50	<0.50	<1.0	—	12	—	—	—	<5.0	—	—	—	164.14	5.91	—	158.23	—	1.05	-62
MW-5	7/8/2005	<50	<0.50	<0.50	<0.50	<0.50	—	26	<0.50	<0.50	<0.50	18	—	—	<5.0	164.14	6.78	—	157.36	—	1.2	81
MW-5	10/7/2005	<50	<0.50	<0.50	<0.50	<1.0	—	28	—	—	—	24	—	—	—	164.14	7.64	—	156.50	—	—	—
MW-5	1/27/2006	<50.0	<0.500	<0.500	<0.500	<0.500	—	26.7	—	—	—	46.3	—	—	—	164.14	6.21	—	157.93	—	—	—

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
4255 MACARTHUR BOULEVARD, OAKLAND, CALIFORNIA

Well ID	Date	TPPH µg/L	B µg/L	T µg/L	E µg/L	X µg/L	MTBE 8020 µg/L	MTBE 8260 µg/L	DIPE µg/L	ETBE µg/L	TAME µg/L	TBA µg/L	EDB µg/L	1,2-DCA µg/L	Ethanol µg/L	TOC (ft MSL)	Depth to Water (ft TOC)	Depth to SPH (ft.)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (ppm)	ORP Reading (mV)
MW-5	4/28/2006	<50.0	<0.500	<0.500	<0.500	<0.500	—	39.1	—	—	—	15.0	—	—	—	164.14	6.05	—	158.09	—	—	—
MW-5	7/28/2006	103	<0.500	<0.500	<0.500	<0.500	—	35.5	<0.500	<0.500	<0.500	<10.0	—	—	<50.0	164.14	7.54	—	156.60	—	—	—
MW-5	10/27/2006	<50.0	<0.500	<0.500	<0.500	<0.500	—	19.7	—	—	—	26.0 d	—	—	—	164.14	7.91	—	156.23	—	—	—
MW-5	1/10/2007	<50	<0.50	<0.50	<0.50	<1.0	—	11	—	—	—	16	—	—	—	164.14	6.38	—	157.76	—	—	—
MW-5	4/13/2007	76 g,h	<0.50	<1.0	<1.0	<1.0	—	35	—	—	—	37	—	—	—	164.14	6.58	—	157.56	—	—	—
MW-5	7/9/2007	<50 g	<0.50	<1.0	<1.0	<1.0	—	26	<2.0	<2.0	<2.0	34	—	—	<100	164.14	7.28	—	156.86	—	—	—
MW-5	10/8/2007	<50 g	<0.50	<1.0	<1.0	<1.0	—	25	—	—	—	28	—	—	—	164.14	8.01	—	156.13	—	—	—
MW-5	1/9/2008	<50 g	0.15 i	<1.0	<1.0	<1.0	—	11	—	—	—	7.6 i	—	—	—	164.14	5.45	—	158.69	—	—	—
MW-5	4/4/2008	50	<0.50	<1.0	<1.0	<1.0	—	17	—	—	—	<10	—	—	—	164.14	6.61	—	157.53	—	—	—
MW-5	7/3/2008	<50	<0.50	<1.0	<1.0	<1.0	—	16	<2.0	<2.0	<2.0	11	—	—	<100	164.14	7.40	—	156.74	—	—	—
MW-5	10/3/2008	<50	<0.50	<1.0	<1.0	<1.0	—	17	—	—	—	14	—	—	—	164.14	7.90	—	156.24	—	—	—
MW-5	1/22/2009	<50	<0.50	<1.0	<1.0	<1.0	—	9.2	—	—	—	<10	—	—	—	164.14	6.30	—	157.84	—	—	—
MW-5	4/13/2009	<50	<0.50	<1.0	<1.0	<1.0	—	8.4	—	—	—	<10	—	—	—	164.14	6.42	—	157.72	—	—	—
MW-5	7/23/2009	<50	<0.50	<1.0	<1.0	<1.0	—	15	<2.0	<2.0	<2.0	<10	—	—	<100	164.14	7.60	—	156.54	—	—	—
MW-5	2/1/2010	<50	<0.50	<1.0	<1.0	<1.0	—	9.0	—	—	—	<10	—	—	—	164.14	5.80	—	158.34	—	—	—
MW-5	8/2/2010	<50	<0.50	<1.0	<1.0	<1.0	—	7.5	—	—	—	<10	—	—	—	164.14	7.00	—	157.14	—	—	—
MW-5	**1/31/2011**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**—**	**7.5**	**—**	**—**	**—**	**<10**	**<0.50**	**<0.50**	**—**	**164.14**	**5.79**	**—**	**158.35**	**—**	**—**	**—**
MW-6	6/26/2006	—	—	—	—	—	—	—	—	—	—	—	—	—	—	169.89	10.25	—	159.64	—	—	—
MW-6	7/28/2006	19,200	1,290	41.7	141	245	—	777	3.37	<0.500	<0.500	8,340	—	—	<50.0	169.89	11.00	—	158.89	—	—	—
MW-6	10/27/2006	11,400	1,250	41.0	155	242	—	569	—	—	—	7,270	—	—	—	169.89	11.41	—	158.48	—	—	—
MW-6	1/10/2007	7,000	1,000	26	270	240	—	770	—	—	—	17,000	—	—	—	169.89	9.43	—	160.46	—	—	—
MW-6	4/13/2007	4,200 g	820	22	72	71	—	490	—	—	—	9,500	—	—	—	169.89	9.81	—	160.08	—	—	—
MW-6	7/9/2007	6,100 g	960	23	65	116	—	280	<40	<40	<40	8,400	—	—	<2,000	169.89	10.80	—	159.09	—	—	—
MW-6	10/8/2007	3,600 g	960	17 i	27	76 i	—	260	—	—	—	7,000	—	—	—	169.89	11.64	—	158.25	—	—	—
MW-6	1/9/2008	Unable to access			—	—	—	—	—	—	—	—	—	—	—	169.89	—	—	—	—	—	—
MW-6	1/22/2008	4,100 g	610	14 i	31	19 i	—	180	—	—	—	7,700	—	—	—	169.89	8.81	—	161.08	—	—	—
MW-6	4/4/2008	6,100	760	<20	20	29	—	240	—	—	—	6,900	—	—	—	169.89	10.01	—	159.88	—	—	—
MW-6	7/3/2008	7,100	1,100	<20	25	50	—	220	<40	<40	<40	9,400	—	—	<2,000	169.89	10.94	—	158.95	—	—	—
MW-6	10/3/2008	7,400	1,000	<20	<20	116	—	270	—	—	—	8,400	—	—	—	169.89	11.87	—	158.02	—	—	—
MW-6	1/22/2009	Unable to access			—	—	—	—	—	—	—	—	—	—	—	169.89	—	—	—	—	—	—
MW-6	4/13/2009	5,300	690	<20	35	47	—	210	—	—	—	9,000	—	—	—	169.89	9.70	—	160.19	—	—	—
MW-6	7/23/2009	6,800	1,100	<20	<20	42	—	220	<40	<40	<40	7,400	—	—	<2000	169.89	11.09	—	158.80	—	—	—
MW-6	2/1/2010	4,000	460	<10	<10	<10	—	88	—	—	—	8,400	—	—	—	169.89	8.05	—	161.84	—	—	—
MW-6	8/2/2010	7,600	860	15	18	49	—	97	—	—	—	6,800	—	—	—	169.89	10.50	—	159.39	—	—	—
MW-6	**1/31/2011**	**2,800**	**370**	**11**	**19**	**26**	**—**	**170**	**—**	**—**	**—**	**4,800**	**<5.0**	**<5.0**	**—**	**169.89**	**8.52**	**—**	**161.37**	**—**	**—**	**—**
MW-7	6/26/2006	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170.87	9.59	—	161.28	—	—	—
MW-7	7/28/2006	5,860	72.0	6.67	25.4	165	—	3,940	<0.500	<0.500	2.89	1,420	—	—	<50.0	170.87	10.08	—	160.79	—	—	—
MW-7	10/27/2006	1,180	8.67	<0.500	2.48	7.52	—	1,100	—	—	—	184	—	—	—	170.87	10.13	—	160.74	—	—	—

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
4255 MACARTHUR BOULEVARD, OAKLAND, CALIFORNIA

Well ID	Date	TPPH µg/L	B µg/L	T µg/L	E µg/L	X µg/L	MTBE 8020 µg/L	MTBE 8260 µg/L	DIPE µg/L	ETBE µg/L	TAME µg/L	TBA µg/L	EDB µg/L	1,2-DCA µg/L	Ethanol µg/L	TOC (ft MSL)	Depth to Water (ft TOC)	Depth to SPH (ft.)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (ppm)	ORP Reading (mV)
MW-7	1/10/2007	1,000	12	<5.0	<5.0	<10	—	2,200 f	—	—	—	2,400	—	—	—	170.87	8.41	—	162.46	—	—	—
MW-7	4/13/2007	1,100 g,h	54	<20	18 i	23.5 i	—	2,500	—	—	—	3,800	—	—	—	170.87	8.25	—	162.62	—	—	—
MW-7	7/9/2007	1,100 g	41	<20	8.8 i	4.5 i	—	2,000	<40	<40	<40	1,200	—	—	<2,000	170.87	9.22	—	161.65	—	—	—
MW-7	10/8/2007	400 g	25	<20	<20	<20	—	1,500	—	—	—	740	—	—	—	170.87	9.41	—	161.46	—	—	—
MW-7	1/9/2008	Unable to access			—	—	—	—	—	—	—	—	—	—	—	170.87	—	—	—	—	—	—
MW-7	1/22/2008	160 g	32	<10	<10	<10	—	1,900	—	—	—	820	—	—	—	170.87	7.63	—	163.24	—	—	—
MW-7	4/4/2008	Unable to access		—	—	—	—	—	—	—	—	—	—	—	—	170.87	—	—	—	—	—	—
MW-7	7/3/2008	1,500	11	<10	<10	<10	—	1,700	<20	<20	<20	680	—	—	<1,000	170.87	8.96	—	161.91	—	—	—
MW-7	10/3/2008	1,000	5.6	<10	<10	<10	—	970	—	—	—	550	—	—	—	170.87	9.57	—	161.30	—	—	—
MW-7	1/22/2009	880	<5.0	<10	<10	18	—	550	—	—	—	250	—	—	—	170.87	8.60	—	162.27	—	—	—
MW-7	4/13/2009	1,400	15	<10	<10	<10	—	820	—	—	—	440	—	—	—	170.87	8.24	—	162.63	—	—	—
MW-7	7/23/2009	1,400	12	<10	<10	<10	—	1,300	<20	<20	<20	550	—	—	<1000	170.87	9.10	—	161.77	—	—	—
MW-7	2/1/2010	1,300	20	<10	<10	<10	—	1,300	—	—	—	920	—	—	—	170.87	6.81	—	164.06	—	—	—
MW-7	8/2/2010	780	10	<5.0	<5.0	<5.0	—	890	—	—	—	680	—	—	—	170.87	8.55	—	162.32	—	—	—
MW-7	**1/31/2011**	**340**	**12**	**3.2**	**6.1**	**17**	**—**	**390**	**—**	**—**	**—**	**480**	**<2.5**	**<2.5**	**—**	**170.87**	**7.58**	**—**	**163.29**	**—**	**—**	**—**
MW-8	6/26/2006	—	—	—	—	—	—	—	—	—	—	—	—	—	—	174.13	4.53	—	169.60	—	—	—
MW-8	7/28/2006	2,300	<0.500	<0.500	<0.500	<0.500	—	1,380	<0.500	<0.500	0.950	<10.0	—	—	<50.0	174.13	4.55	—	169.58	—	—	—
MW-8	10/27/2006	1,570	2.79 e	<0.500	<0.500	<0.500	—	1,280 e	—	—	—	<10.0	—	—	—	174.13	4.87	—	169.26	—	—	—
MW-8	1/10/2007	540	<2.5	<2.5	<2.5	<5.0	—	1,200 f	—	—	—	750	—	—	—	174.13	4.17	—	169.96	—	—	—
MW-8	4/13/2007	450 g,h	<5.0	<10	<10	<10	—	1,400	—	—	—	<100	—	—	—	174.13	4.13	—	170.00	—	—	—
MW-8	7/9/2007	590 g	<5.0	<10	<10	<10	—	1,000	<20	<20	<20	<100	—	—	<1,000	174.13	6.33	—	167.80	—	—	—
MW-8	10/8/2007	270 g,h	<5.0	<10	<10	<10	—	1,200	—	—	—	<100	—	—	—	174.13	5.63	—	168.50	—	—	—
MW-8	1/9/2008	200 g,h	<2.5	<5.0	<5.0	<5.0	—	370	—	—	—	<50	—	—	—	174.13	4.17	—	169.96	—	—	—
MW-8	4/4/2008	1,000	<5.0	<10	<10	<10	—	930	—	—	—	<100	—	—	—	174.13	4.36	—	169.77	—	—	—
MW-8	7/3/2008	960	<5.0	<10	<10	<10	—	1,000	<20	<20	<20	<100	—	—	<1,000	174.13	5.05	—	169.08	—	—	—
MW-8	10/3/2008	820	<5.0	<10	<10	<10	—	830	—	—	—	<100	—	—	—	174.13	5.54	—	168.59	—	—	—
MW-8	1/22/2009	1,000	<2.5	<5.0	<5.0	<5.0	—	740	—	—	—	<50	—	—	—	174.13	5.00	—	169.13	—	—	—
MW-8	4/13/2009	810	<2.5	<5.0	<5.0	<5.0	—	520	—	—	—	<50	—	—	—	174.13	4.51	—	169.62	—	—	—
MW-8	7/23/2009	840	<2.5	<5.0	<5.0	<5.0	—	830	<10	<10	<10	<50	—	—	<500	174.13	4.92	—	169.21	—	—	—
MW-8	2/1/2010	270	<1.0	<2.0	<2.0	<2.0	—	260	—	—	—	<20	—	—	—	174.13	3.65	—	170.48	—	—	—
MW-8	8/2/2010	430	<2.5	<5.0	<5.0	<5.0	—	480	—	—	—	<50	—	—	—	174.13	4.52	—	169.61	—	—	—
MW-8	**1/31/2011**	**<250**	**<2.5**	**<2.5**	**<2.5**	**<5.0**	**—**	**380**	**—**	**—**	**—**	**300**	**<2.5**	**<2.5**	**—**	**174.13**	**4.29**	**—**	**169.84**	**—**	**—**	**—**
MW-9	6/26/2006	—	—	—	—	—	—	—	—	—	—	—	—	—	—	175.20	6.41	—	168.79	—	—	—
MW-9	7/28/2006	5,690	19.2	2.64	2.02	57.7	—	5,780	<0.500	<0.500	2.74	166	—	—	<50.0	175.20	6.69	—	168.51	—	—	—
MW-9	10/27/2006	2,710	34.2	<0.500	2.76	4.75	—	2,140	—	—	—	29.2 d	—	—	—	175.20	6.90	—	168.30	—	—	—
MW-9	1/10/2007	1,500	340	6.8	8.9	27	—	2,300 f	—	—	—	1,400	—	—	—	175.20	6.14	—	169.06	—	—	—
MW-9	4/13/2007	1,600 g,h	390	4.1 i	8.6 i	4.7 i	—	3,700	—	—	—	120	—	—	—	175.20	6.17	—	169.03	—	—	—
MW-9	7/9/2007	1,200 g	55	<25	<25	<25	—	2,500	<50	<50	<50	<250	—	—	<2,500	175.20	6.65	—	168.55	—	—	—

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
4255 MACARTHUR BOULEVARD, OAKLAND, CALIFORNIA

Well ID	Date	TPPH µg/L	B µg/L	T µg/L	E µg/L	X µg/L	MTBE 8020 µg/L	MTBE 8260 µg/L	DIPE µg/L	ETBE µg/L	TAME µg/L	TBA µg/L	EDB µg/L	1,2-DCA µg/L	Ethanol µg/L	TOC (ft MSL)	Depth to Water (ft TOC)	Depth to SPH (ft.)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (ppm)	ORP Reading (mV)
MW-9	10/8/2007	520 g,h	9.1 i	<25	<25	<25	—	2,500	—	—	—	<250	—	—	—	175.20	7.58	—	167.62	—	—	—
MW-9	1/9/2008	350 g,h	3.4 i	<10	<10	<10	—	650	—	—	—	<100	—	—	—	175.20	6.30	—	168.90	—	—	—
MW-9	4/4/2008	1,500	88	<10	<10	<10	—	1,200	—	—	—	<100	—	—	—	175.20	6.05	—	169.15	—	—	—
MW-9	7/3/2008	2,600	70	<10	<10	<10	—	2,800	<20	<20	<20	<100	—	—	<1,000	175.20	7.00	—	168.20	—	—	—
MW-9	10/3/2008	2,600	160	<20	<20	<20	—	2,400	—	—	—	<200	—	—	—	175.20	7.39	—	167.81	—	—	—
MW-9	1/22/2009	2,900	130	<20	<20	30	—	1,900	—	—	—	<200	—	—	—	175.20	7.00	—	168.20	—	—	—
MW-9	4/13/2009	5,200	590	24	60	89	—	1,600	—	—	—	230	—	—	—	175.20	6.47	—	168.73	—	—	—
MW-9	7/23/2009	6,300	830	30	150	130	—	3,200	<20	<20	<20	170	—	—	<1000	175.20	7.05	—	168.15	—	—	—
MW-9	2/1/2010	18,000	1,900	130	770	1,200	—	2,400	—	—	—	430	—	—	—	175.20	5.70	—	169.50	—	—	—
MW-9	8/2/2010	2,200	270	<10	99	36	—	1,200	—	—	—	280	—	—	—	175.20	6.50	—	168.70	—	—	—
MW-9	**1/31/2011**	**1,100**	**120**	**9.5**	**60**	**63**	—	**1,100**	—	—	—	**1,000**	**<5.0**	**<5.0**	—	**175.20**	**6.21**	—	**168.99**	—	—	—
TB-1	4/29/1999	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.00	—	—	—	3.8	-132
TB-1	11/1/1999	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12.65	—	—	—	0.2	-165
TB-1	1/17/2000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.72	—	—	—	0.8	-178
TB-1	4/17/2000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.65	—	—	—	0.5	-152
TB-1	7/26/2000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.13	—	—	—	1.0	-124
TB-1	10/12/2000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.20	—	—	—	0.7	-73
TB-1	1/15/2001	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.09	—	—	—	1.2	-118
TB-1	4/9/2001	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.96	—	—	—	1.0	-72
TB-1	7/24/2001	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.03	—	—	—	1.4	31
TB-1	10/31/2001	1,000	85	<10	<10	42	—	4,100	—	—	—	—	—	—	—	—	5.89	—	—	—	1.8	88
TB-1	1/10/2002	5,000	410	390	65	620	—	9,000	—	—	—	—	—	—	—	—	7.47	—	—	—	2.0	95
TB-1	4/25/2002	5,000	780	60	49	91	—	6,000	—	—	—	—	—	—	—	—	11.71	—	—	—	1.7	-136
TB-1	7/18/2002	Insufficient water		—	—	—	—	—	—	—	—	—	—	—	—	—	13.50	—	—	—	—	—
TB-1	10/7/2002	4,600	480	36	98	200	—	4,000	—	—	—	—	—	—	—	—	12.95	—	—	—	1.6	-48
TB-1	1/6/2003	130	30	<0.50	<0.50	0.78	—	330	—	—	—	—	—	—	—	—	5.56	—	—	—	0.4	-20
TB-2	4/29/1999	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.76	—	—	—	4.2	-108
TB-2	11/1/1999	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.33	—	—	—	0.5	-148
TB-2	1/17/2000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.79	—	—	—	0.7	-162
TB-2	4/17/2000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.75	—	—	—	0.9	-121
TB-2	7/26/2000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.73	—	—	—	0.9	-85
TB-2	10/12/2000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.05	—	—	—	0.6	-47
TB-2	1/15/2001	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.87	—	—	—	0.7	-91
TB-2	4/9/2001	46,600	1,240	1,310	1,110	12,100	31,300	—	—	—	—	—	—	—	—	—	3.76	—	—	—	0.8	-24
TB-2	7/24/2001	11,000	630	<25	310	200	—	11,000	—	—	—	—	—	—	—	—	4.75	—	—	—	0.4	-51
TB-2	10/31/2001	7,500	530	1,500	100	500	—	2,500	—	—	—	—	—	—	—	—	4.24	—	—	—	0.6	-7
TB-2	1/10/2002	<5,000	480	47	34	110	—	12,000	—	—	—	—	—	—	—	—	6.26	—	—	—	1.3	-81
TB-2	4/25/2002	4,700	470	140	<20	80	—	7,400	—	—	—	—	—	—	—	—	11.78	—	—	—	0.9	-107

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
4255 MACARTHUR BOULEVARD, OAKLAND, CALIFORNIA

Well ID	Date	TPPH µg/L	B µg/L	T µg/L	E µg/L	X µg/L	MTBE 8020 µg/L	MTBE 8260 µg/L	DIPE µg/L	ETBE µg/L	TAME µg/L	TBA µg/L	EDB µg/L	1,2-DCA µg/L	Ethanol µg/L	TOC (ft MSL)	Depth to Water (ft TOC)	Depth to SPH (ft.)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (ppm)	ORP Reading (mV)
TB-2	7/18/2002	7,500	630	650	<25	390	—	44,000	—	—	—	—	—	—	—	—	12.34	—	—	—	0.9	-67
TB-2	10/7/2002	<10,000	580	<100	<100	180	—	30,000	—	—	—	—	—	—	—	—	11.62	—	—	—	1.0	-41
TB-2	1/6/2003	120	4.8	<0.50	<0.50	2.0	—	220	—	—	—	—	—	—	—	—	4.35	—	—	—	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
EDB = 1,2-dibromoethane, analyzed by EPA Method 8260
1,2-DCA = 1,2-dichloroethane, 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
— = Not applicable
DO = Dissolved Oxygens
ppm = Parts per million
ORP = Oxidation Reduction Potential
mV = Millivolts

Notes:
a = Ground water surface had a sheen when sampled.
b = MTBE value is estimated by Sequoia Analytical of Redwood City, CA.
c = The concentration reported reflects individual or discrete unidentified peaks not matching a typical fuel pattern.
d = Secondary ion abundances were outside method requirements. Identification based on analytical judgement.
e = pH>2
f = Initial analysis within holding time. Reanalysis for the required dilution or confirmation was past holding time.
g = Analyzed by EPA Method 8015B (M).
h = The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.
i = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
j = Hydrocarbon result partly due to individual peak(s) in quantitation range.
* = Sample analyzed outside the EPA recommended holding time.

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
4255 MACARTHUR BOULEVARD, OAKLAND, CALIFORNIA

Well ID	Date	TPPH µg/L	B µg/L	T µg/L	E µg/L	X µg/L	MTBE 8020 µg/L	MTBE 8260 µg/L	DIPE µg/L	ETBE µg/L	TAME µg/L	TBA µg/L	EDB µg/L	1,2-DCA µg/L	Ethanol µg/L	TOC (ft MSL)	Depth to Water (ft TOC)	Depth to SPH (ft.)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (ppm)	ORP Reading (mV)

Ethanol analyzed by EPA Method 8260B.
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).
Wells MW-6, MW-7, MW-8 and MW-9 surveyed July 12, 2006 by Virgil Chavez Land Surveying of Vallejo, CA.

APPENDIX A

BLAINE TECH SERVICES, INC. - FIELD NOTES

WELL GAUGING DATA

Project # 110131-PC1 Date 1/31/11 Client Shell

Site 9899 5758, 4255 MacArthur Blvd, Oakland

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1	820	4					7.45	23.31		
MW-2	840	4	✓	No sPH Detected Skimmer in well			9.09	19.82		SKIMMER
MW-3	835	4	✓	No sPH detected			11.89	21.85		
MW-4	845	2	✓				6.67	30.67		
MW-5	805	2					5.79	19.85		
MW-6	830	2					8.52	23.55		
MW-7	809	4	well	Parked over until 1200			7.58	29.02		
MW-8	810	4					4.29	29.75		
MW-9	825	4					6.21	29.62		

SHELL WELL MONITORING DATA SHEET

BTS #: 110131-PC1	Site: 98995758
Sampler: PC	Date: 1/31/11
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 23.31	Depth to Water (DTW): 7.45
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.62	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

10.3 (Gals.) X	3	= 30.9 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1005	64.0	7.12	1077	17	10.5	
1008	Well dewatered					
1310	59.3	7.78	1066	15		

Did well dewater? (Yes) No Gallons actually evacuated: 12.5

Sampling Date: 1/31/11 Sampling Time: 1310 Depth to Water: 12.30 (2 Hr.)

Sample I.D.: MW-1 Laboratory: (Test America) Other_____

Analyzed for: (TPH-G BTEX MTBE) TPH-D Oxygenates (5) Other: 1,2 DCA, EDB, TBA

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110131-PC1	Site: 98995758
Sampler: PC	Date: 1/31/11
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 19.82	Depth to Water (DTW): 9.09
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.25	

Purge Method:
- Bailer
- Disposable Bailer
- Positive Air Displacement
- X Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other ____

Sampling Method:
- ~~X~~ Bailer
- X Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: ____

7.0 (Gals.) X 3 = 21 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1150	65.2	6.94	811.2	132	7	strong SPH odor, sheen
1152	well dewatered	~~834.2R~~				
1355	65.8	6.74	834.2	56		strong SPH odor, sheen

Did well dewater? (Yes) No Gallons actually evacuated: 9

Sampling Date: 1/31/11 Sampling Time: 1355 Depth to Water: 11.02

Sample I.D.: MW-2 Laboratory: (Test America) Other ____

Analyzed for: (TPH-G BTEX MTBE) TPH-D Oxygenates (5) Other: 1,2 DCA, EDB, TBA

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L	
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV	

SHELL WELL MONITORING DATA SHEET

BTS #: 110131-PC1	Site: 9899575B
Sampler: PC	Date: 1/31/11
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 21.85	Depth to Water (DTW): 11.89
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.89	

Purge Method:
- Bailer
- Disposable Bailer
- Positive Air Displacement
- ✗ Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method:
- ~~PSX~~ Bailer
- ✓ Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

6.5 (Gals.) X	3	=	19.5 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or ~~uS~~)	Turbidity (NTUs)	Gals. Removed	Observations
1132	69.8	6.94	1189	238	6.5	strong odor, sheen
1134	Well dewatered					
1335	70.3	6.86	1204	31		

Did well dewater? (Yes) No Gallons actually evacuated: 9

Sampling Date: 1/31/11 Sampling Time: 1335 Depth to Water: 13.18

Sample I.D.: MW-3 Laboratory: (Test America) Other_____

Analyzed for: (TPH-G BTEX MTBE) TPH-D Oxygenates (5) Other: 1,2 DCA, EDB, TBA

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110131-PC1	Site: 98995758
Sampler: PC	Date: 1/31/11
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 30.67	Depth to Water (DTW): 6.67
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.47	

Purge Method: Bailer / X Disposable Bailer / Positive Air Displacement / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other____

Sampling Method: ~~X~~ Bailer / X Disposable Bailer / Extraction Port / Dedicated Tubing / Other: ____

3.8 (Gals.) X	3	=	11.4 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1228	62.9	6.79	1204	275	3.8	sheen, odor
1235	62.6	6.86	1190	240	7.6	" "
1242	61.5	6.92	1145	218	11.4	" "

Did well dewater? Yes (No) Gallons actually evacuated: 11.4

Sampling Date: 1/31/11 Sampling Time: 1300 Depth to Water: 10.21

Sample I.D.: MW-4 Laboratory: (Test America) Other____

Analyzed for: (TPH-G BTEX MTBE) TPH-D Oxygenates (5) Other: 1,2 DCA, EDB, TBA

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110131-PC1	Site: 98995758
Sampler: PC	Date: 1/31/11
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 19.85	Depth to Water (DTW): 5.79
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 8.60	

Purge Method: ✕ Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: ✕ Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

2.2 (Gals.) X	3	=	6.6 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
902	58.4	6.34	1083	263	2.2	
910	60.2	6.62	800.1	256	4.4	
920	61.0	6.70	773.9	154	6.6	

Did well dewater? Yes (No) Gallons actually evacuated: 6.6

Sampling Date: 1/31/11 Sampling Time: 930 Depth to Water: 6.28

Sample I.D.: MW-5 Laboratory: (Test America) Other ___

Analyzed for: (TPH-G BTEX MTBE) TPH-D Oxygenates (5) Other: 1,2 DCA, EDB, TBA

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable): ___

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L	
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV	

SHELL WELL MONITORING DATA SHEET

BTS #: 110131-PC1	Site: 98995758
Sampler: PC	Date: 1/31/11
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 23.55	Depth to Water (DTW): 8.52
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.53	

Purge Method: ✕ Bailer / Disposable Bailer / Positive Air Displacement / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other_____

Sampling Method: ✕ Bailer / Disposable Bailer / Extraction Port / Dedicated Tubing / Other: _____

2.4 (Gals.) X	3	=	7.2 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1055	63.3	6.92	1299	>1000	2.4	brown, odor
1059	64.3	6.86	1276	>1000	4.8	" "
1106	64.9	6.88	1248	>1000	7.2	" "

Did well dewater? Yes (No) Gallons actually evacuated: 7.2

Sampling Date: 1/31/11 Sampling Time: 1114 Depth to Water: 9.58

Sample I.D.: MW-6 Laboratory: (Test America) Other_____

Analyzed for: (TPH-G BTEX MTBE) TPH-D Oxygenates (5) Other: 1,2 DCA, EDB, TBA

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110131-PC1	Site: 98995758
Sampler: PC	Date: 1/31/11
Well I.D.: MW-7	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 29.02	Depth to Water (DTW): 7.58
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.87	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; ✕ Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: ✕ Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

13.9 (Gals.) X	3	= 41.7 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1205	64.6	7.72	903.0	10	14	
1209	65.5	7.08	896.0	10	28	
1213	65.9	7.01	890.9	2	42	

Did well dewater? Yes (No) Gallons actually evacuated: 42

Sampling Date: 1/31/11 Sampling Time: 1415 Depth to Water: 23.11 (2hr)

Sample I.D.: MW-7 Laboratory: (Test America) Other_____

Analyzed for: (TPH-G BTEX MTBE) TPH-D Oxygenates (5) Other: 1,2 DCA, EDB, TBA

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110131-PC1	Site: 98995758
Sampler: PC	Date: 1/31/11
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 29.75	Depth to Water (DTW): 4.29
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.38	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; ✗ Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other____

Sampling Method: ✗ Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: ____

10.8 (Gals.) X 3 = 32.4 Gals.
1 Case Volume — Specified Volumes — Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
945	63.6	7.35	966.6	41	11	
948	64.3	7.04	953.5	10	22	
951	65.2	7.03	975.7	70	32.5	

Did well dewater? Yes (No) Gallons actually evacuated: 32.5

Sampling Date: 1/31/11 Sampling Time: 1025 Depth to Water: 9.30

Sample I.D.: MW-8 Laboratory: (Test America) Other____

Analyzed for: (TPH-G BTEX MTBE) TPH-D Oxygenates (5) Other: 1,2 DCA, EDB, TBA

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110131-PC1	Site: 98995758
Sampler: PC	Date: 1/31/11
Well I.D.: MW-9	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 29.62	Depth to Water (DTW): 6.21
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.89	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

15.2 (Gals.) X	3	=	45.6 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1035	63.8	7.03	863.8	11	15	odor
1039	65.6	6.89	850.0	18	30	
1043	well dewatered @ 41 gal					
1320	63.1	7.21	881.6	14	—	odor

Did well dewater? (Yes) No Gallons actually evacuated: 41

Sampling Date: 1/31/11 Sampling Time: 1320 Depth to Water: 16.10 (>2 hours)

Sample I.D.: MW-9 Laboratory: (Test America) Other_____

Analyzed for: (TPH-G BTEX MTBE) TPH-D Oxygenates (5) Other: 1,2 DCA, EDB, TBA

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 4255 MacArthur Blvd, Oakland Date 1/31/11

Job Number 110131-PC1 Technician PC Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Well Box Meets Compliance Requirements *See Below	Water Bailed From Wellbox	Cap Replaced	Lock Replaced	Well Not Inspected (explain in notes)	New Deficiency Identified	Previously Identified Deficiency Persists	Notes
MW-1		~~X~~ R	X						1/2 bolt missing, 1/2 tabs broken, No tag
MW-2	X	X							
MW-3		X	X						1/2 tabs stripped
MW-4	X	X							
MW-5	X	X							
MW-6	X	X							
MW-7	X	~~X~~ R							No tag
MW-8	X								" "
MW-9	X	~~X~~ R							" "

*Well box must meet all three criteria to be compliant: 1) WELL IS SECURABLE BY DESIGN (12"or less) 2) WELL IS MARKED WITH THE WORDS "MONITORING WELL" (12"or less) 3) WELL TAG IS PRESENT, SECURE, AND CORRECT

Notes:

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 4255 Macarthur Blvd Oakland Date 2-17-11

Job Number 110217-BP1 Technician BP Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Well Box Meets Compliance Requirements *See Below	Water Bailed From Wellbox	Cap Replaced	Lock Replaced	Well Not Inspected (explain in notes)	New Deficiency Identified	Previously Identified Deficiency Persists	Notes
MW-2		X		X			X		1/2 tabs stripped
MW-3	X	X		X					

*Well box must meet all three criteria to be compliant: 1) WELL IS SECURABLE BY DESIGN (12"or less) 2) WELL IS MARKED WITH THE WORDS "MONITORING WELL" (12"or less) 3) WELL TAG IS PRESENT, SECURE, AND CORRECT

Notes:

WELL GAUGING DATA

Project # 110217-BP2 Date 2/17/11 Client SHELL

Site 4255 MacArthur Blvd Oakland

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or (TOC)	Notes
MW-2	1557	4	ODOR	8.58	0.01	—	8.59	—	1	
MW-3	1531	4	ODOR	11.64	0.01	—	11.65	—	1	

SHELL WELL MONITORING DATA SHEET

BTS #: 110217-BP2	Site: 4255 MacArthur Blvd Oakland
Sampler: BP	Date: 2/17/11
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 8.59
Depth to Free Product: 8.58	Thickness of Free Product (feet): 0.01
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: —	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: ~~Bailer~~, Disposable Bailer, Extraction Port, Dedicated Tubing, Other: _____

— (Gals.) X — = — Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
- Detected	0.01	F+	OF	SPH IN WELL.		
- Deployed	SPH	SOCK.	DRY	WEIGHT	0.68 LBS.	

Did well dewater? ~~Yes~~ No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

Sample I.D.: Laboratory: Test America Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110217-BP2	Site: 4255 MacArthur Blvd Oakland
Sampler: BP	Date: 2/17/11
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 11.65
Depth to Free Product: 11.64	Thickness of Free Product (feet): 0.01
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: —	

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other _____

Sampling Method: Bailer / Disposable Bailer / Extraction Port / Dedicated Tubing / Other: _____

— (Gals.) X — = — Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
- Detected	0.01 Ft of SPH in well.					
- Deployed	SPH	SOCK DRY WEIGHT 0.70 LBS.				

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

Sample I.D.: Laboratory: Test America Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

APPENDIX B

TEST AMERICA –
LABORATORY REPORT

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: Blaine Tech San Jose/CRA Shell
1680 Rogers Avenue
San Jose, CA 95112-1105
Attention: Lorin King

Project: 4255 MacArthur Blvd., Oakland, CA

Sampled: 01/31/11
Received: 02/02/11
Issued: 02/16/11 17:51

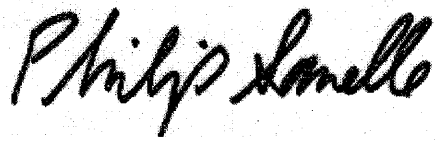
NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
IUB0256-01	MW-1	Water
IUB0256-02	MW-2	Water
IUB0256-03	MW-3	Water
IUB0256-04	MW-4	Water
IUB0256-05	MW-5	Water
IUB0256-06	MW-6	Water
IUB0256-07	MW-8	Water
IUB0256-08	MW-9	Water
IUB0256-09	MW-7	Water

Reviewed By:



TestAmerica Irvine

Philip Sanelle
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Blaine Tech San Jose/CRA Shell
1680 Rogers Avenue
San Jose, CA 95112-1105
Attention: Lorin King

Project ID: 4255 MacArthur Blvd., Oakland, CA
Report Number: IUB0256

Sampled: 01/31/11
Received: 02/02/11

VOLATILE FUEL HYDROCARBONS BY GC/MS (CA LUFT)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUB0256-01 (MW-1 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11B1414	1000	**1100**	20	2/11/2011	2/11/2011	QP1
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				
Sample ID: IUB0256-02 (MW-2 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11B1414	2500	**77000**	50	2/11/2011	2/11/2011	
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				
Sample ID: IUB0256-03 (MW-3 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11B1414	2000	**21000**	40	2/11/2011	2/11/2011	
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				
Sample ID: IUB0256-04 (MW-4 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11B1414	500	**9700**	10	2/11/2011	2/11/2011	
Surrogate: Dibromofluoromethane (80-120%)				*100 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*95 %*				
Sample ID: IUB0256-05 (MW-5 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11B1414	50	ND	1	2/11/2011	2/11/2011	
Surrogate: Dibromofluoromethane (80-120%)				*100 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*93 %*				
Sample ID: IUB0256-06 (MW-6 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11B1414	500	**2800**	10	2/11/2011	2/11/2011	
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*95 %*				

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Blaine Tech San Jose/CRA Shell
1680 Rogers Avenue
San Jose, CA 95112-1105
Attention: Lorin King

Project ID: 4255 MacArthur Blvd., Oakland, CA
Report Number: IUB0256

Sampled: 01/31/11
Received: 02/02/11

VOLATILE FUEL HYDROCARBONS BY GC/MS (CA LUFT)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUB0256-07 (MW-8 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11B1414	250	ND	5	2/11/2011	2/11/2011	
Surrogate: Dibromofluoromethane (80-120%)				*99 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*92 %*				
Sample ID: IUB0256-08 (MW-9 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11B1414	500	**1100**	10	2/11/2011	2/11/2011	
Surrogate: Dibromofluoromethane (80-120%)				*99 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*92 %*				
Sample ID: IUB0256-09 (MW-7 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11B1414	250	**340**	5	2/11/2011	2/11/2011	
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*93 %*				

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Project ID: 4255 MacArthur Blvd., Oakland, CA
Report Number: IUB0256

Sampled: 01/31/11
Received: 02/02/11

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUB0256-01 (MW-1 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11B1414	10	**41**	20	2/11/2011	2/11/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11B1414	10	ND	20	2/11/2011	2/11/2011	
1,2-Dichloroethane	EPA 8260B	11B1414	10	ND	20	2/11/2011	2/11/2011	
Ethylbenzene	EPA 8260B	11B1414	10	ND	20	2/11/2011	2/11/2011	
Toluene	EPA 8260B	11B1414	10	ND	20	2/11/2011	2/11/2011	
Xylenes, Total	EPA 8260B	11B1414	20	ND	20	2/11/2011	2/11/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11B1414	20	**2000**	20	2/11/2011	2/11/2011	
tert-Butanol (TBA)	EPA 8260B	11B1414	200	**2600**	20	2/11/2011	2/11/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				
Sample ID: IUB0256-02 (MW-2 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11B1414	25	**1700**	50	2/11/2011	2/11/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11B1414	25	ND	50	2/11/2011	2/11/2011	
1,2-Dichloroethane	EPA 8260B	11B1414	25	ND	50	2/11/2011	2/11/2011	
Ethylbenzene	EPA 8260B	11B1414	25	**2600**	50	2/11/2011	2/11/2011	
Toluene	EPA 8260B	11B1414	25	**1500**	50	2/11/2011	2/11/2011	
Xylenes, Total	EPA 8260B	11B1414	50	**9000**	50	2/11/2011	2/11/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11B1414	50	**2100**	50	2/11/2011	2/11/2011	
tert-Butanol (TBA)	EPA 8260B	11B1414	500	**2700**	50	2/11/2011	2/11/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				
Sample ID: IUB0256-03 (MW-3 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11B1414	20	**2200**	40	2/11/2011	2/11/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11B1414	20	ND	40	2/11/2011	2/11/2011	
1,2-Dichloroethane	EPA 8260B	11B1414	20	ND	40	2/11/2011	2/11/2011	
Ethylbenzene	EPA 8260B	11B1414	20	**980**	40	2/11/2011	2/11/2011	
Toluene	EPA 8260B	11B1414	20	**32**	40	2/11/2011	2/11/2011	
Xylenes, Total	EPA 8260B	11B1414	40	**980**	40	2/11/2011	2/11/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11B1414	40	**1300**	40	2/11/2011	2/11/2011	
tert-Butanol (TBA)	EPA 8260B	11B1414	400	**1700**	40	2/11/2011	2/11/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				

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Project ID: 4255 MacArthur Blvd., Oakland, CA
Report Number: IUB0256

Sampled: 01/31/11
Received: 02/02/11

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUB0256-04 (MW-4 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11B1414	5.0	**47**	10	2/11/2011	2/11/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11B1414	5.0	ND	10	2/11/2011	2/11/2011	
1,2-Dichloroethane	EPA 8260B	11B1414	5.0	ND	10	2/11/2011	2/11/2011	
Ethylbenzene	EPA 8260B	11B1414	5.0	**340**	10	2/11/2011	2/11/2011	
Toluene	EPA 8260B	11B1414	5.0	**62**	10	2/11/2011	2/11/2011	
Xylenes, Total	EPA 8260B	11B1414	10	**1100**	10	2/11/2011	2/11/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11B1414	10	**77**	10	2/11/2011	2/11/2011	
tert-Butanol (TBA)	EPA 8260B	11B1414	100	**1300**	10	2/11/2011	2/11/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*95 %*				
Surrogate: Dibromofluoromethane (80-120%)				*100 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				
Sample ID: IUB0256-05 (MW-5 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11B1414	0.50	ND	1	2/11/2011	2/11/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11B1414	0.50	ND	1	2/11/2011	2/11/2011	
1,2-Dichloroethane	EPA 8260B	11B1414	0.50	ND	1	2/11/2011	2/11/2011	
Ethylbenzene	EPA 8260B	11B1414	0.50	ND	1	2/11/2011	2/11/2011	
Toluene	EPA 8260B	11B1414	0.50	ND	1	2/11/2011	2/11/2011	
Xylenes, Total	EPA 8260B	11B1414	1.0	ND	1	2/11/2011	2/11/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11B1414	1.0	**7.5**	1	2/11/2011	2/11/2011	
tert-Butanol (TBA)	EPA 8260B	11B1414	10	ND	1	2/11/2011	2/11/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*93 %*				
Surrogate: Dibromofluoromethane (80-120%)				*100 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				
Sample ID: IUB0256-06 (MW-6 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11B1414	5.0	**370**	10	2/11/2011	2/11/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11B1414	5.0	ND	10	2/11/2011	2/11/2011	
1,2-Dichloroethane	EPA 8260B	11B1414	5.0	ND	10	2/11/2011	2/11/2011	
Ethylbenzene	EPA 8260B	11B1414	5.0	**19**	10	2/11/2011	2/11/2011	
Toluene	EPA 8260B	11B1414	5.0	**11**	10	2/11/2011	2/11/2011	
Xylenes, Total	EPA 8260B	11B1414	10	**26**	10	2/11/2011	2/11/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11B1414	10	**170**	10	2/11/2011	2/11/2011	
tert-Butanol (TBA)	EPA 8260B	11B1414	100	**4800**	10	2/11/2011	2/11/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*95 %*				
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				

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Project ID: 4255 MacArthur Blvd., Oakland, CA
Report Number: IUB0256

Sampled: 01/31/11
Received: 02/02/11

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUB0256-07 (MW-8 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11B1414	2.5	ND	5	2/11/2011	2/11/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11B1414	2.5	ND	5	2/11/2011	2/11/2011	
1,2-Dichloroethane	EPA 8260B	11B1414	2.5	ND	5	2/11/2011	2/11/2011	
Ethylbenzene	EPA 8260B	11B1414	2.5	ND	5	2/11/2011	2/11/2011	
Toluene	EPA 8260B	11B1414	2.5	ND	5	2/11/2011	2/11/2011	
Xylenes, Total	EPA 8260B	11B1414	5.0	ND	5	2/11/2011	2/11/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11B1414	5.0	**380**	5	2/11/2011	2/11/2011	
tert-Butanol (TBA)	EPA 8260B	11B1414	50	**300**	5	2/11/2011	2/11/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*92 %*				
Surrogate: Dibromofluoromethane (80-120%)				*99 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				
Sample ID: IUB0256-08 (MW-9 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11B1414	5.0	**120**	10	2/11/2011	2/11/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11B1414	5.0	ND	10	2/11/2011	2/11/2011	
1,2-Dichloroethane	EPA 8260B	11B1414	5.0	ND	10	2/11/2011	2/11/2011	
Ethylbenzene	EPA 8260B	11B1414	5.0	**60**	10	2/11/2011	2/11/2011	
Toluene	EPA 8260B	11B1414	5.0	**9.5**	10	2/11/2011	2/11/2011	
Xylenes, Total	EPA 8260B	11B1414	10	**63**	10	2/11/2011	2/11/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11B1414	10	**1100**	10	2/11/2011	2/11/2011	
tert-Butanol (TBA)	EPA 8260B	11B1414	100	**1000**	10	2/11/2011	2/11/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*92 %*				
Surrogate: Dibromofluoromethane (80-120%)				*99 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				
Sample ID: IUB0256-09 (MW-7 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11B1414	2.5	**12**	5	2/11/2011	2/11/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11B1414	2.5	ND	5	2/11/2011	2/11/2011	
1,2-Dichloroethane	EPA 8260B	11B1414	2.5	ND	5	2/11/2011	2/11/2011	
Ethylbenzene	EPA 8260B	11B1414	2.5	**6.1**	5	2/11/2011	2/11/2011	
Toluene	EPA 8260B	11B1414	2.5	**3.2**	5	2/11/2011	2/11/2011	
Xylenes, Total	EPA 8260B	11B1414	5.0	**17**	5	2/11/2011	2/11/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11B1414	5.0	**390**	5	2/11/2011	2/11/2011	
tert-Butanol (TBA)	EPA 8260B	11B1414	50	**480**	5	2/11/2011	2/11/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*93 %*				
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				

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Sampled: 01/31/11
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METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS BY GC/MS (CA LUFT)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11B1414 Extracted: 02/11/11										
Blank Analyzed: 02/11/2011 (11B1414-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	50	ug/l							
Surrogate: Dibromofluoromethane	*24.3*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Toluene-d8	*26.0*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.2*		*ug/l*	*25.0*		*93*	*80-120*			
LCS Analyzed: 02/11/2011 (11B1414-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	437	50	ug/l	500		87	55-130			
Surrogate: Dibromofluoromethane	*24.2*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Toluene-d8	*26.3*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.5*		*ug/l*	*25.0*		*94*	*80-120*			
Matrix Spike Analyzed: 02/11/2011 (11B1414-MS1)					**Source: IUB0256-05**					
Volatile Fuel Hydrocarbons (C4-C12)	1060	50	ug/l	1720	ND	61	50-145			
Surrogate: Dibromofluoromethane	*25.9*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: Toluene-d8	*26.1*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.8*		*ug/l*	*25.0*		*95*	*80-120*			
Matrix Spike Dup Analyzed: 02/11/2011 (11B1414-MSD1)					**Source: IUB0256-05**					
Volatile Fuel Hydrocarbons (C4-C12)	1050	50	ug/l	1720	ND	61	50-145	0.7	20	
Surrogate: Dibromofluoromethane	*26.0*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: Toluene-d8	*26.1*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.9*		*ug/l*	*25.0*		*95*	*80-120*			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11B1414 Extracted: 02/11/11										
Blank Analyzed: 02/11/2011 (11B1414-BLK1)										
Benzene	ND	0.50	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
o-Xylene	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Di-isopropyl Ether (DIPE)	ND	1.0	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	1.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	1.0	ug/l							
tert-Butanol (TBA)	ND	10	ug/l							
Surrogate: 4-Bromofluorobenzene	*23.2*		*ug/l*	*25.0*		*93*	*80-120*			
Surrogate: Dibromofluoromethane	*24.3*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Toluene-d8	*26.0*		*ug/l*	*25.0*		*104*	*80-120*			
LCS Analyzed: 02/11/2011 (11B1414-BS1)										
Benzene	28.7	0.50	ug/l	25.0		115	70-120			
1,2-Dibromoethane (EDB)	27.5	0.50	ug/l	25.0		110	75-125			
1,2-Dichloroethane	28.5	0.50	ug/l	25.0		114	60-140			
Ethylbenzene	29.4	0.50	ug/l	25.0		117	75-125			
Toluene	29.7	0.50	ug/l	25.0		119	70-120			
m,p-Xylenes	59.0	1.0	ug/l	50.0		118	75-125			
o-Xylene	29.5	0.50	ug/l	25.0		118	75-125			
Xylenes, Total	88.5	1.0	ug/l	75.0		118	70-125			
Di-isopropyl Ether (DIPE)	30.0	1.0	ug/l	25.0		120	60-135			
Ethyl tert-Butyl Ether (ETBE)	24.6	1.0	ug/l	25.0		98	65-135			
Methyl-tert-butyl Ether (MTBE)	29.5	1.0	ug/l	25.0		118	60-135			
tert-Amyl Methyl Ether (TAME)	23.6	1.0	ug/l	25.0		95	60-135			
tert-Butanol (TBA)	141	10	ug/l	125		113	70-135			
Surrogate: 4-Bromofluorobenzene	*23.6*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: Dibromofluoromethane	*24.3*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Toluene-d8	*25.8*		*ug/l*	*25.0*		*103*	*80-120*			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11B1414 Extracted: 02/11/11										
Matrix Spike Analyzed: 02/11/2011 (11B1414-MS1)					**Source: IUB0256-05**					
Benzene	26.8	0.50	ug/l	25.0	ND	107	65-125			
1,2-Dibromoethane (EDB)	25.8	0.50	ug/l	25.0	ND	103	70-130			
1,2-Dichloroethane	28.0	0.50	ug/l	25.0	ND	112	60-140			
Ethylbenzene	26.3	0.50	ug/l	25.0	ND	105	65-130			
Toluene	27.5	0.50	ug/l	25.0	ND	110	70-125			
m,p-Xylenes	53.3	1.0	ug/l	50.0	ND	107	65-130			
o-Xylene	26.8	0.50	ug/l	25.0	ND	107	65-125			
Xylenes, Total	80.1	1.0	ug/l	75.0	ND	107	60-130			
Di-isopropyl Ether (DIPE)	29.9	1.0	ug/l	25.0	ND	119	60-140			
Ethyl tert-Butyl Ether (ETBE)	22.0	1.0	ug/l	25.0	ND	88	60-135			
Methyl-tert-butyl Ether (MTBE)	36.0	1.0	ug/l	25.0	7.50	114	55-145			
tert-Amyl Methyl Ether (TAME)	20.6	1.0	ug/l	25.0	ND	82	60-140			
tert-Butanol (TBA)	151	10	ug/l	125	6.86	115	65-140			
Surrogate: 4-Bromofluorobenzene	*23.8*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Dibromofluoromethane	*25.9*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: Toluene-d8	*26.1*		*ug/l*	*25.0*		*105*	*80-120*			
Matrix Spike Dup Analyzed: 02/11/2011 (11B1414-MSD1)					**Source: IUB0256-05**					
Benzene	26.2	0.50	ug/l	25.0	ND	105	65-125	2	20	
1,2-Dibromoethane (EDB)	25.8	0.50	ug/l	25.0	ND	103	70-130	0.08	25	
1,2-Dichloroethane	27.7	0.50	ug/l	25.0	ND	111	60-140	0.9	20	
Ethylbenzene	25.9	0.50	ug/l	25.0	ND	104	65-130	1	20	
Toluene	27.6	0.50	ug/l	25.0	ND	110	70-125	0.2	20	
m,p-Xylenes	52.0	1.0	ug/l	50.0	ND	104	65-130	3	25	
o-Xylene	26.4	0.50	ug/l	25.0	ND	106	65-125	1	20	
Xylenes, Total	78.4	1.0	ug/l	75.0	ND	105	60-130	2	20	
Di-isopropyl Ether (DIPE)	30.0	1.0	ug/l	25.0	ND	120	60-140	0.4	25	
Ethyl tert-Butyl Ether (ETBE)	24.2	1.0	ug/l	25.0	ND	97	60-135	10	25	
Methyl-tert-butyl Ether (MTBE)	38.0	1.0	ug/l	25.0	7.50	122	55-145	5	25	
tert-Amyl Methyl Ether (TAME)	22.7	1.0	ug/l	25.0	ND	91	60-140	10	30	
tert-Butanol (TBA)	142	10	ug/l	125	6.86	108	65-140	7	25	
Surrogate: 4-Bromofluorobenzene	*23.9*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Dibromofluoromethane	*26.0*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: Toluene-d8	*26.1*		*ug/l*	*25.0*		*104*	*80-120*			

TestAmerica Irvine

Philip Sanelle
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Blaine Tech San Jose/CRA Shell
1680 Rogers Avenue
San Jose, CA 95112-1105
Attention: Lorin King

Project ID: 4255 MacArthur Blvd., Oakland, CA

Report Number: IUB0256

Sampled: 01/31/11
Received: 02/02/11

DATA QUALIFIERS AND DEFINITIONS

QP1 Hydrocarbon result partly due to individual peak(s) in quantitation range.

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.

RPD Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD. The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

For Volatile Fuel Hydrocarbons (C4-C12):

Volatile Fuel Hydrocarbons (C4-C12) are quantitated against a gasoline standard. Quantitation begins immediately before TBA-d9.

TestAmerica Irvine

Philip Sanelle
Project Manager

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Report Number: IUB0256

Sampled: 01/31/11
Received: 02/02/11

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
EPA 8260B	Water	X	X
TPH by GC/MS	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Irvine

Philip Sanelle
Project Manager

1WB0252U

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- ☐ CALSCIENCE (_____)
- ☐ SPL (_____)
- ☐ XENCO (_____)
- ☑ TEST AMERICA (IRVINE)
- ☐ OTHER (_____)

Please Check Appropriate Box:
- ☐ ENV. SERVICES
- ☐ MOTIVA RETAIL
- ☐ SHELL RETAIL
- ☐ MOTIVA SD&CM
- ☑ CONSULTANT
- ☐ LUBES
- ☐ SHELL PIPELINE
- ☐ OTHER _____

Print Bill To Contact Name: Peter Schaefer 240524

PO #: 400-40349733

INCIDENT # (ENV SERVICES): 98995754

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 1/31/11

PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services

LOG CODE: BTSS

ADDRESS: 1680 Rogers Avenue, San Jose, CA

PROJECT CONTACT (Hardcopy or PDF Report to): Lorin King

TELEPHONE: 310-995-4455 x 108

FAX: 310-637-5802

E-MAIL: lking@blainetech.com

SITE ADDRESS: Street and City: 4255 MacArthur Blvd., Oakland

State: CA

GLOBAL ID NO.: T0600101261

EDF DELIVERABLE TO (Name, Company, Office Location): Brenda Carter, CRA, Emeryville

PHONE NO.: 510-420-3343

E-MAIL: shelledf@craworld.com

CONSULTANT PROJECT NO.: 110131-PCA

SAMPLER NAME(S) (Print): D. Gomish

LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
☒ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

Email invoice and copy of final report to Shell.Lab.Billing@craworld.com

- ☐ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH -GRO, Purgeable (8260B)	TPH -DRO, Extractable (8015M)	TPHg (8015M)	BTEX (5260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B)	BTEX + 5 OXYs (MTBE, TBA, DIPE, TAME, ETBE) 8260B	Full VOC list (8260B)	Single Compound:_____(8260B)	1,2-DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	TEMPERATURE ON REC C° / Container PID Readings or Laboratory Notes
	MW-1	1/31/11	1310	W	X					3	X					X				X	X			KH 2-2-11 1700
	MW-2		1355		X					3	X					X				X	X			
	MW-3		1335		X					3	X					X				X	X			
	MW-4		1300		X					3	X					X				X	X			
	MW-5		930		X					3	X					X				X	X			
	MW-6		1124		X					3	X					X				X	X			
	MW-8		1025		X					3	X					X				X	X			
	MW-9		1330		X					3	X					X				X	X			
	MW-7	↓	1415	↓	X					3	X					X				X	X			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		1/31/11	1645
		2/1/11	0845
	TPSP		
		02/1/11	1155

05/2/06 Revision

Gerald Maylon 2/1/11 17:00

Rec'd By: VanBaalen 2/2/11 10:20 CS42

02V03

APPENDIX C

TRC - DATA TABLES FOR 76 SERVICE STATION NO. 1156

Table 1

CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

January 31, 2011

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 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-1B			**(Screen Interval in feet: 20-25)**											
1/31/2011	174.05	6.62	0.00	167.43	0.53	170	--	6.7	0.64	0.33	ND<0.60	--	46	
MW-2B			**(Screen Interval in feet: 20-25)**											
1/31/2011	173.55	7.79	0.00	165.76	3.48	420	--	1.7	0.47	0.59	ND<0.60	--	310	
MW-3B			**(Screen Interval in feet: 20-25)**											
1/31/2011	177.77	5.30	0.00	172.47	1.52	2800	--	32	20	39	47	--	73	
MW-4B			**(Screen Interval in feet: 20-25)**											
1/31/2011	179.07	4.49	0.00	174.58	2.71	68	--	ND<0.30	ND<0.30	ND<0.30	2.0	--	30	
MW-5			**(Screen Interval in feet: 5.0-25.0)**											
1/31/2011	169.18	1.63	0.00	167.55	2.29	160	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	130	
MW-7			**(Screen Interval in feet: 5.0-25.0)**											
1/31/2011	172.11	6.58	0.00	165.53	0.39	730	--	0.31	0.59	ND<0.30	ND<0.60	--	600	

TRC

Table 1 a
ADDITIONAL CURRENT ANALYTICAL RESULTS
76 Station 1156

Date Sampled	TPH-D (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Total Oil and Grease (mg/l)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)
MW-1B												
1/31/2011	ND<50	28	ND<250	ND<0.50	0.76	ND<0.50	ND<0.50	ND<0.50	ND<5.0	1.32	2.57	152
MW-2B												
1/31/2011	ND<50	1300	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.89	1.25	159
MW-3B												
1/31/2011	65	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.66	0.88	161
MW-4B												
1/31/2011	ND<50	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.72	3.13	151
MW-5												
1/31/2011	ND<50	ND<10	ND<250	ND<0.50	1.6	ND<0.50	ND<0.50	ND<0.50	--	1.00	1.17	154
MW-7												
1/31/2011	ND<50	160	ND<250	ND<0.50	1.3	ND<0.50	ND<0.50	ND<0.50	--	0.92	1.22	156

Table 1 b
ADDITIONAL CURRENT ANALYTICAL RESULTS
76 Station 1156

Date Sampled	Post-purge ORP (mV)
MW-1B	
1/31/2011	159
MW-2B	
1/31/2011	159
MW-3B	
1/31/2011	100
MW-4B	
1/31/2011	145
MW-5	
1/31/2011	155
MW-7	
1/31/2011	163

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

July 1999 Through January 2011

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 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-1			**(Screen Interval in feet: 5.0-25.0)**											
7/20/1999	174.86	7.50	0.00	167.36	--	120000	--	11000	27000	3300	18000	ND	--	
9/28/1999	174.86	8.75	0.00	166.11	-1.25	6020	--	1030	1040	68.5	412	321	333	
1/7/2000	174.86	9.05	0.02	165.82	-0.29	72700	--	7410	13900	2070	9620	ND	--	GWE corrected
3/31/2000	174.86	7.18	0.00	167.68	1.86	92000	--	10000	23000	3200	14000	ND	--	
7/14/2000	174.86	7.68	0.00	167.18	-0.50	108000	--	8250	18700	3750	17800	ND	--	
10/3/2000	174.86	7.99	0.00	166.87	-0.31	96000	--	8760	20000	3350	15600	ND	--	
1/3/2001	174.86	9.18	0.00	165.68	-1.19	37000	--	5800	13000	1700	8100	2200	--	
4/4/2001	174.86	8.05	0.00	166.81	1.13	86900	--	7780	18500	2470	11800	ND	481	
7/17/2001	174.86	7.01	0.00	167.85	1.04	79000	--	5600	11000	2800	12000	ND	230	
10/3/2001	177.54	7.89	0.00	169.65	1.80	99000	--	8200	18000	3000	16000	ND<2500	--	
10/5/2001	177.54	7.91	0.00	169.63	-0.02	--	--	--	--	--	--	--	--	
1/28/2002	177.54	5.98	0.00	171.56	1.93	110000	--	8900	19000	2600	12000	3000	440	
4/25/2002	177.54	6.19	0.00	171.35	-0.21	93000	--	8100	18000	3000	15000	810	670	
7/18/2002	177.54	6.99	0.00	170.55	-0.80	69000	--	5400	10000	2100	10000	ND<500	620	
10/7/2002	177.54	7.73	0.00	169.81	-0.74	82000	--	9200	20000	2600	13000	1300	760	
1/6/2003	177.54	5.48	0.00	172.06	2.25	82000	--	6500	18000	2700	11000	ND<1000	790	
4/7/2003	177.54	6.30	0.00	171.24	-0.82	74000	--	7000	15000	2400	11000	1000	800	
7/7/2003	177.54	6.47	0.00	171.07	-0.17	60000	--	6400	11000	2600	11000	600	530	
10/9/2003	177.54	7.85	0.00	169.69	-1.38	91000	81000	8100	17000	3200	14000	--	660	Sampled for TPH-G by 8015M on 11/14/2003
1/14/2004	177.54	6.69	0.00	170.85	1.16	98000	--	8000	21000	2600	15000	ND<1300	ND<800	
4/28/2004	177.54	6.43	0.00	171.11	0.26	93000	--	9000	20000	1300	10000	1400	560	
7/12/2004	177.54	7.44	0.00	170.10	-1.01	57000	--	6900	7200	1600	580	490	440	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

July 1999 Through January 2011

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 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-1 continued														
10/25/2004	177.54	7.54	0.00	170.00	-0.10	66000	--	7300	19000	2700	14000	ND<1300	330	
1/17/2005	177.54	5.79	0.00	171.75	1.75	86000	--	8600	21000	3200	15000	ND<1300	570	
4/6/2005	177.54	4.93	0.00	172.61	0.86	85000	--	8400	20000	3200	16000	ND<1300	580	
7/8/2005	177.54	5.35	0.00	172.19	-0.42	69000	--	7100	17000	2700	14000	ND<1300	290	
10/7/2005	177.54	5.96	0.00	171.58	-0.61	68000	--	5900	8300	1800	8300	330	250	
1/27/2006	177.54	5.08	0.00	172.46	0.88	94000	--	7400	19000	3700	14000	450	360	
4/28/2006	177.54	4.85	0.00	172.69	0.23	74000	--	6400	13000	2300	10000	460	280	
7/28/2006	177.54	5.32	0.00	172.22	-0.47	74000	--	6600	12000	3100	13000	330	220	
10/27/2006	177.54	6.13	0.00	171.41	-0.81	100000	--	8300	20000	3600	16000	280	250	
1/10/2007	177.54	5.47	0.00	172.07	0.66	84000	--	7100	15000	2600	13000	350	260	
4/13/2007	177.54	5.60	0.00	171.94	-0.13	27000	--	5600	840	2300	3200	270	220	
7/19/2007	177.54	5.69	0.00	171.85	-0.09	83000	--	6000	15000	2600	13000	1000	200	
10/8/2007	177.54	--	--	--	--	--	--	--	--	--	--	--	--	Gate locked; no key available
1/9/2008	177.54	5.15	0.00	172.39	--	40000	--	6000	4800	2600	5100	840	170	Gauged on 1/18/2008
4/4/2008	177.54	5.25	0.00	172.29	-0.10	71000	--	6800	12000	3300	13000	--	160	
7/3/2008	177.54	6.00	0.00	171.54	-0.75	92000	--	7000	16000	3500	15000	--	110	
10/3/2008	177.54	7.16	0.00	170.38	-1.16	69000	--	7200	18000	3500	14000	--	180	
1/22/2009	177.54	6.61	0.00	170.93	0.55	45000	--	410	720	2400	9600	--	160	
4/13/2009	177.54	5.11	0.00	172.43	1.50	5400	--	300	640	300	940	--	150	
7/23/2009	177.54	6.04	0.00	171.50	-0.93	85000	--	5800	15000	3500	13000	--	140	
2/1/2010	177.54	4.86	0.00	172.68	1.18	74000	--	7000	11000	3100	10000	--	ND<50	
8/2/2010	177.54	5.68	0.00	171.86	-0.82	71000	--	7000	11000	3300	10000	--	ND<10	
11/1/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	Abandoned

TRC

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

July 1999 Through January 2011

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 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-1B			**(Screen Interval in feet: 20-25)**											
11/1/2010	174.05	7.15	0.00	166.90	--	99	--	3.0	0.30	ND<0.30	ND<0.60	--	30	
1/31/2011	174.05	6.62	0.00	167.43	0.53	170	--	6.7	0.64	0.33	ND<0.60	--	46	
MW-2			**(Screen Interval in feet: 5.0-25.0)**											
7/20/1999	173.01	5.40	--	167.61	--	ND	--	ND	ND	ND	ND	4500	11000	
9/28/1999	173.01	5.60	0.00	167.41	-0.20	1390	--	124	ND	62.9	43.1	5280	6150	
1/7/2000	173.01	5.92	0.00	167.09	-0.32	1450	--	99	ND	23.8	16	33100	--	
3/31/2000	173.01	5.23	0.00	167.78	0.69	ND	--	42	ND	ND	ND	17000	--	
7/14/2000	173.01	5.52	0.00	167.49	-0.29	ND	--	44.7	ND	ND	ND	66500	--	
10/3/2000	173.01	6.04	0.00	166.97	-0.52	ND	--	56.7	ND	ND	ND	57500	--	
1/3/2001	173.01	6.42	0.00	166.59	-0.38	ND	--	ND	ND	ND	ND	49000	--	
4/4/2001	173.01	6.14	0.00	166.87	0.28	ND	--	ND	ND	ND	ND	38700	37800	
7/17/2001	173.01	5.30	0.00	167.71	0.84	ND	--	ND	ND	ND	ND	65000	56000	
10/3/2001	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	
1/28/2002	173.50	5.68	0.00	167.82	1.70	ND<250	--	2.5	4.4	2.8	7.4	11000	10000	
4/25/2002	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	
7/18/2002	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	
10/7/2002	173.50	7.54	0.00	165.96	-0.64	4300	--	ND<10	27	21	75	7100	5900	
1/6/2003	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	
4/7/2003	173.50	6.49	0.00	167.01	0.30	1500	--	ND<10	14	11	38	2000	1500	
7/7/2003	173.50	6.72	0.00	166.78	-0.23	ND<2500	--	ND<25	ND<25	ND<25	ND<25	5500	8300	
10/9/2003	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 11/14/2003
1/14/2004	173.50	5.53	0.00	167.97	1.63	3200	--	ND<25	ND<25	ND<25	ND<25	2600	3200	

TRC

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

July 1999 Through January 2011

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 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-2 continued														
4/28/2004	173.50	5.21	0.00	168.29	0.32	22000	--	ND<3	9.2	ND<3	ND<6	35000	22000	
7/12/2004	173.50	5.83	0.00	167.67	-0.62	1700	--	3.8	18	2.6	16	3000	3000	
10/25/2004	173.50	6.89	0.00	166.61	-1.06	3400	--	ND<25	ND<25	ND<25	ND<25	1800	1600	
1/17/2005	173.50	5.70	0.00	167.80	1.19	1700	--	ND<10	ND<10	ND<10	ND<10	1600	1500	
4/6/2005	173.50	4.50	0.00	169.00	1.20	3000	--	ND<20	ND<20	ND<20	ND<20	2500	3200	
7/8/2005	173.50	4.69	0.00	168.81	-0.19	ND<2000	--	ND<20	ND<20	ND<20	ND<20	2900	3100	
10/7/2005	173.50	4.61	0.00	168.89	0.08	7500	--	6.7	6.6	ND<3.0	ND<6.0	5900	5200	
1/27/2006	173.50	4.10	0.00	169.40	0.51	2500	--	1.0	2.6	ND<0.30	ND<0.60	2600	2800	
4/28/2006	173.50	3.75	0.00	169.75	0.35	3100	--	9.4	3.6	0.94	3.4	3700	3600	
7/28/2006	173.50	4.34	0.00	169.16	-0.59	3000	--	2.0	ND<1.5	ND<1.5	ND<3.0	3000	2900	
10/27/2006	173.50	5.62	0.00	167.88	-1.28	1800	--	1.5	ND<1.5	ND<1.5	ND<3.0	1600	1300	
1/10/2007	173.50	4.02	0.00	169.48	1.60	2100	--	1.1	ND<0.60	ND<0.60	ND<1.2	2300	2000	
4/13/2007	173.50	4.03	0.00	169.47	-0.01	3300	--	12	1.6	0.46	1.1	3600	3200	
7/19/2007	173.50	4.41	0.00	169.09	-0.38	2500	--	21	0.64	5.1	1.5	2000	2000	
10/8/2007	173.50	4.93	0.00	168.57	-0.52	3400	--	38	1.6	13	2.1	5000	4000	
1/9/2008	173.50	3.03	0.00	170.47	1.90	1700	--	6.2	2.5	0.61	0.91	2100	2200	Gauged on 1/18/2008
4/4/2008	173.50	3.52	0.00	169.98	-0.49	1400	--	15	2.1	0.76	ND<0.60	--	2100	
7/3/2008	173.50	4.70	0.00	168.80	-1.18	1100	--	14	1.1	2.0	1.2	--	1400	
10/3/2008	173.50	5.57	0.00	167.93	-0.87	740	--	14	ND<0.30	4.5	6.9	--	750	
1/22/2009	173.50	5.03	0.00	168.47	0.54	640	--	4.6	ND<0.30	ND<0.30	ND<0.60	--	850	
4/13/2009	173.50	3.73	0.00	169.77	1.30	940	--	7.1	ND<0.30	ND<0.30	ND<0.60	--	990	
7/23/2009	173.50	4.39	0.00	169.11	-0.66	700	--	12	6.0	5.4	13	--	390	
2/1/2010	173.50	4.33	0.00	169.17	0.06	860	--	17	13	0.83	2.4	--	290	

TRC

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

July 1999 Through January 2011

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 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-2 continued														
8/2/2010	173.50	5.16	0.00	168.34	-0.83	1200	--	9.5	32	1.4	2.4	--	140	
11/1/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	Abandoned
MW-2B			**(Screen Interval in feet: 20-25)**											
11/1/2010	173.55	11.27	0.00	162.28	--	550	--	7.8	2.7	2.1	0.99	--	250	
1/31/2011	173.55	7.79	0.00	165.76	3.48	420	--	1.7	0.47	0.59	ND<0.60	--	310	
MW-3			**(Screen Interval in feet: 5.0-25.0)**											
7/20/1999	178.44	8.50	--	169.94	--	1000	--	76	52	79	76	330	--	
9/28/1999	178.44	8.31	0.00	170.13	0.19	1860	--	174	95.4	71.8	135	443	288	
1/7/2000	178.44	8.56	0.00	169.88	-0.25	28400	--	2450	3090	1560	3910	1940	--	
3/31/2000	178.44	8.42	0.00	170.02	0.14	26000	--	1300	2900	2600	3500	2800	--	
7/14/2000	178.44	8.61	0.00	169.83	-0.19	24500	--	1850	2630	2750	3900	548	--	
10/3/2000	178.44	9.14	0.00	169.30	-0.53	22000	--	1910	2020	2400	2680	965	--	
1/3/2001	178.44	9.06	0.00	169.38	0.08	14000	--	1600	1100	2300	1400	3300	--	
4/4/2001	178.44	8.98	0.00	169.46	0.08	19600	--	1150	1470	2100	1820	1050	450	
7/17/2001	178.44	7.46	0.00	170.98	1.52	26000	--	1500	2100	2100	3400	ND	350	
10/3/2001	178.13	9.81	0.00	168.32	-2.66	22000	--	830	1900	1700	3000	ND<1000	--	
1/28/2002	178.13	7.39	0.00	170.74	2.42	30000	--	880	2600	1800	4300	3200	210	
4/25/2002	178.13	7.86	0.00	170.27	-0.47	18000	--	500	2000	1300	3800	500	260	
7/18/2002	178.13	8.83	0.00	169.30	-0.97	37000	--	1800	3800	2200	8000	ND<250	270	
10/7/2002	178.13	9.71	0.00	168.42	-0.88	26000	--	600	2000	1800	6400	ND<120	ND<200	
1/6/2003	178.13	7.40	0.00	170.73	2.31	27000	--	800	2100	2000	6400	440	110	
4/7/2003	178.13	8.17	0.00	169.96	-0.77	28000	--	660	2200	1900	6300	440	100	
7/7/2003	178.13	8.35	0.00	169.78	-0.18	33000	--	1200	2500	2700	8300	280	100	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

July 1999 Through January 2011

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 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-3 continued														
10/9/2003	178.13	9.39	0.00	168.74	-1.04	3800	6000	120	260	390	1200	--	190	Sampled for TPH-G by 8015M on 11/14/2003
1/14/2004	178.13	6.86	0.00	171.27	2.53	5100	--	120	240	310	720	190	230	
4/28/2004	178.13	6.63	0.00	171.50	0.23	7300	--	250	440	580	1300	740	240	
7/12/2004	178.13	7.41	0.00	170.72	-0.78	5500	--	350	310	120	350	180	100	
10/25/2004	178.13	8.81	0.00	169.32	-1.40	3300	--	96	140	270	490	94	260	
1/17/2005	178.13	6.37	0.00	171.76	2.44	3400	--	150	270	360	750	55	200	
4/6/2005	178.13	4.69	0.00	173.44	1.68	14000	--	420	1300	1000	3100	ND<250	200	
7/8/2005	178.13	5.23	0.00	172.90	-0.54	5000	--	180	290	500	800	ND<250	150	
10/7/2005	178.13	6.35	0.00	171.78	-1.12	6800	--	270	120	ND<0.30	210	260	180	
1/27/2006	178.13	5.24	0.00	172.89	1.11	3200	--	120	140	270	460	280	250	
4/28/2006	178.13	5.01	0.00	173.12	0.23	4500	--	130	250	380	670	230	180	
7/28/2006	178.13	6.21	0.00	171.92	-1.20	4700	--	160	240	510	730	250	150	
10/27/2006	178.13	6.93	0.00	171.20	-0.72	3700	--	150	160	460	530	250	140	
1/10/2007	178.13	5.93	0.00	172.20	1.00	4800	--	180	160	550	600	230	150	
4/13/2007	178.13	6.10	0.00	172.03	-0.17	5100	--	180	240	550	710	230	160	
7/19/2007	178.13	6.51	0.00	171.62	-0.41	2000	--	110	64	220	190	190	180	
10/8/2007	178.13	7.05	0.00	171.08	-0.54	2100	--	72	65	180	290	180	120	
1/9/2008	178.13	3.65	0.00	174.48	3.40	4200	--	200	160	510	580	290	120	Gauged on 1/18/2008
4/4/2008	178.13	5.69	0.00	172.44	-2.04	7500	--	270	390	810	1200	--	120	
7/3/2008	178.13	7.28	0.00	170.85	-1.59	2300	--	99	66	210	220	--	190	
10/3/2008	178.13	8.40	0.00	169.73	-1.12	12000	--	740	620	1500	2700	--	71	
1/22/2009	178.13	7.68	0.00	170.45	0.72	2000	--	120	79	290	290	--	130	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

July 1999 Through January 2011

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 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-3 continued														
4/13/2009	178.13	6.28	0.00	171.85	1.40	3600	--	110	150	180	510	--	120	
7/23/2009	178.13	7.20	0.00	170.93	-0.92	3400	--	180	150	360	650	--	120	
2/1/2010	178.13	5.29	0.00	172.84	1.91	6500	--	180	92	300	250	--	97	
8/2/2010	178.13	6.83	0.00	171.30	-1.54	8600	--	140	110	320	1000	--	89	
11/1/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	Abandoned
MW-3B			**(Screen Interval in feet: 20-25)**											
11/1/2010	177.77	6.82	0.00	170.95	--	990	--	31	32	47	50	--	46	
1/31/2011	177.77	5.30	0.00	172.47	1.52	2800	--	32	20	39	47	--	73	
MW-4			**(Screen Interval in feet: 5.0-25.0)**											
7/20/1999	179.10	7.40	--	171.70	--	69	--	2.7	0.77	ND	7.1	100	--	
9/28/1999	179.10	7.19	0.00	171.91	0.21	4050	--	1250	72	51.3	133	416	459	
1/7/2000	179.10	8.98	0.00	170.12	-1.79	7010	--	2260	167	271	276	764	--	
3/31/2000	179.10	7.26	0.00	171.84	1.72	5500	--	1800	230	330	400	1000	--	
7/14/2000	179.10	7.67	0.00	171.43	-0.41	7940	--	2810	332	450	247	1530	--	
10/3/2000	179.10	8.12	0.00	170.98	-0.45	11400	--	3110	437	519	816	1040	--	
1/3/2001	179.10	9.10	0.00	170.00	-0.98	8600	--	2500	340	480	960	850	--	
4/4/2001	179.10	8.63	0.00	170.47	0.47	9950	--	2380	126	416	725	1140	819	
7/17/2001	179.10	6.49	0.00	172.61	2.14	10000	--	2300	110	410	800	1200	900	
10/3/2001	178.96	7.01	0.00	171.95	-0.66	7800	--	2100	85	380	390	580	820	
1/28/2002	178.96	6.21	0.00	172.75	0.80	12000	--	2100	130	350	670	1100	500	
4/25/2002	178.96	5.49	0.00	173.47	0.72	3300	--	1300	42	270	250	680	600	
7/18/2002	178.96	8.28	0.00	170.68	-2.79	4800	--	1300	71	290	220	530	760	
10/7/2002	178.96	7.49	0.00	171.47	0.79	5100	--	1400	110	330	380	650	540	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

July 1999 Through January 2011

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 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-4 continued														
1/6/2003	178.96	6.36	0.00	172.60	1.13	5600	--	1100	57	260	320	370	520	
4/7/2003	178.96	6.24	0.00	172.72	0.12	5100	--	1100	55	190	370	550	420	
7/7/2003	178.96	6.43	0.00	172.53	-0.19	3000	--	920	28	170	330	480	450	
10/9/2003	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 11/14/2003
1/14/2004	178.96	6.30	0.00	172.66	1.67	530	--	88	4.1	9.9	11	150	180	
4/28/2004	178.96	5.68	0.00	173.28	0.62	1200	--	200	5.3	21	13	490	310	
7/12/2004	178.96	6.48	0.00	172.48	-0.80	3600	--	1000	14	260	72	710	470	
10/25/2004	178.96	6.85	0.00	172.11	-0.37	490	--	34	ND<2.5	ND<2.5	ND<2.5	200	170	
1/17/2005	178.96	4.56	0.00	174.40	2.29	620	--	100	2.6	15	8.0	240	200	
4/6/2005	178.96	2.90	0.00	176.06	1.66	630	--	81	9.6	16	41	ND<25	26	
7/8/2005	178.96	3.74	0.00	175.22	-0.84	980	--	170	24	44	140	ND<25	64	
10/7/2005	178.96	4.24	0.00	174.72	-0.50	4900	--	1100	11	110	110	370	310	
1/27/2006	178.96	3.65	0.00	175.31	0.59	2800	--	580	20	130	230	320	240	
4/28/2006	178.96	3.94	0.00	175.02	-0.29	710	--	110	2.4	21	22	140	140	
7/28/2006	178.96	4.63	0.00	174.33	-0.69	550	--	120	2.1	12	19	170	150	
10/27/2006	178.96	5.19	0.00	173.77	-0.56	260	--	37	2.0	1.9	6.7	130	130	
1/10/2007	178.96	4.82	0.00	174.14	0.37	270	--	29	0.72	1.8	2.7	160	150	
4/13/2007	178.96	4.25	0.00	174.71	0.57	390	--	53	1.2	3.1	4.1	210	160	
7/19/2007	178.96	5.35	0.00	173.61	-1.10	210	--	8.0	1.0	1.4	4.5	120	130	
10/8/2007	178.96	5.48	0.00	173.48	-0.13	290	--	17	2.3	3.8	14	160	150	
1/9/2008	178.96	3.40	0.00	175.56	2.08	770	--	190	5.9	21	40	210	220	Gauged on 1/18/2008
4/4/2008	178.96	4.20	0.00	174.76	-0.80	180	--	11	2.0	0.67	2.9	--	110	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

July 1999 Through January 2011

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 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-4 continued														
7/3/2008	178.96	5.89	0.00	173.07	-1.69	140	--	4.5	1.3	ND<0.30	ND<0.60	--	100	
10/3/2008	178.96	7.34	0.00	171.62	-1.45	430	--	29	3.4	9.6	20	--	100	
1/22/2009	178.96	6.75	0.00	172.21	0.59	190	--	25	1.7	0.87	1.5	--	96	
4/13/2009	178.96	4.74	0.00	174.22	2.01	290	--	17	2.1	4.4	12	--	88	
7/23/2009	178.96	6.01	0.00	172.95	-1.27	360	--	33	2.3	5.4	18	--	92	
2/1/2010	178.96	6.42	0.00	172.54	-0.41	490	--	35	3.1	2.7	5.5	--	51	
8/2/2010	178.96	5.92	0.00	173.04	0.50	470	--	17	3.4	2.5	12	--	48	
11/1/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	Abandoned
MW-4B			**(Screen Interval in feet: 20-25)**											
11/1/2010	179.07	7.20	0.00	171.87	--	230	--	ND<0.30	2.1	1.3	43	--	20	
1/31/2011	179.07	4.49	0.00	174.58	2.71	68	--	ND<0.30	ND<0.30	ND<0.30	2.0	--	30	
MW-5			**(Screen Interval in feet: 5.0-25.0)**											
10/3/2001	169.18	2.81	0.00	166.37	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1800	2100	
1/28/2002	169.18	1.88	0.00	167.30	0.93	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	650	550	
4/25/2002	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	
7/18/2002	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	
10/7/2002	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	
1/6/2003	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	
4/7/2003	169.18	2.15	0.00	167.03	-0.29	220	--	0.53	ND<0.50	ND<0.50	ND<0.50	450	420	
7/7/2003	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	
10/9/2003	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 11/14/2003
1/14/2004	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	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

July 1999 Through January 2011

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 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-5 continued														
4/28/2004	169.18	2.01	0.00	167.17	-0.01	760	--	ND<0.3	1.8	ND<0.3	ND<0.6	1200	790	
7/12/2004	169.18	2.56	0.00	166.62	-0.55	96	--	1.8	3.3	0.54	3.6	2.8	ND<0.5	
10/25/2004	169.18	2.43	0.00	166.75	0.13	1100	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	780	1100	
1/17/2005	169.18	1.49	0.00	167.69	0.94	720	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	530	550	
4/6/2005	169.18	0.95	0.00	168.23	0.54	830	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	600	760	
7/8/2005	169.18	1.49	0.00	167.69	-0.54	ND<500	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	570	630	
10/7/2005	169.18	1.92	0.00	167.26	-0.43	540	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	530	490	
1/27/2006	169.18	2.03	0.00	167.15	-0.11	490	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	580	610	
4/28/2006	169.18	1.02	0.00	168.16	1.01	430	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	590	520	
7/28/2006	169.18	1.57	0.00	167.61	-0.55	480	--	0.34	ND<0.30	ND<0.30	ND<0.60	440	420	
10/27/2006	169.18	2.20	0.00	166.98	-0.63	420	--	0.34	ND<0.30	ND<0.30	ND<0.60	460	390	
1/10/2007	169.18	1.57	0.00	167.61	0.63	390	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	430	420	
4/13/2007	169.18	1.89	0.00	167.29	-0.32	170	--	3.8	5.9	1.5	3.8	160	120	
7/19/2007	169.18	1.92	0.00	167.26	-0.03	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	19	23	
10/8/2007	169.18	2.28	0.00	166.90	-0.36	200	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	310	280	
1/9/2008	169.18	1.09	0.00	168.09	1.19	150	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	170	170	Gauged on 1/18/2008
4/4/2008	169.18	1.72	0.00	167.46	-0.63	210	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	260	
7/3/2008	169.18	2.27	0.00	166.91	-0.55	260	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	360	
10/3/2008	169.18	2.80	0.00	166.38	-0.53	200	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	240	
1/22/2009	169.18	2.45	0.00	166.73	0.35	130	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	170	
4/13/2009	169.18	1.81	0.00	167.37	0.64	190	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	190	
7/23/2009	169.18	2.33	0.00	166.85	-0.52	210	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	210	
2/1/2010	169.18	1.32	0.00	167.86	1.01	170	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	120	

TRC

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

July 1999 Through January 2011

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 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-5 continued														
8/2/2010	169.18	2.20	0.00	166.98	-0.88	64	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	42	
11/1/2010	169.18	3.92	0.00	165.26	-1.72	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
1/31/2011	169.18	1.63	0.00	167.55	2.29	160	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	130	
MW-6			**(Screen Interval in feet: 5.0-25.0)**											
10/3/2001	169.04	2.87	0.00	166.17	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	200	270	
1/28/2002	169.04	1.82	0.00	167.22	1.05	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
4/25/2002	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	--	
7/18/2002	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	
10/7/2002	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	
1/6/2003	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	
4/7/2003	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	
7/7/2003	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	
10/9/2003	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 11/14/2003
1/14/2004	169.04	2.00	0.00	167.04	0.71	ND<50	--	ND<0.50	0.57	ND<0.50	0.64	ND<5.0	ND<2.0	
4/28/2004	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	
7/12/2004	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	
10/25/2004	169.04	2.46	0.00	166.58	0.23	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	0.57	
1/17/2005	169.04	1.54	0.00	167.50	0.92	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<0.50	
4/6/2005	169.04	1.15	0.00	167.89	0.39	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<0.50	
7/8/2005	169.04	1.05	0.00	167.99	0.10	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<0.50	
10/7/2005	169.04	1.90	0.00	167.14	-0.85	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	ND<0.50	
1/27/2006	169.04	1.32	0.00	167.72	0.58	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	ND<0.50	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

July 1999 Through January 2011

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 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-6 continued														
4/28/2006	169.04	0.00	0.00	169.04	1.32	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	ND<0.50	
7/28/2006	169.04	1.68	0.00	167.36	-1.68	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	ND<0.50	
10/27/2006	169.04	1.98	0.00	167.06	-0.30	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	ND<0.50	
1/10/2007	169.04	1.60	0.00	167.44	0.38	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	ND<0.50	
4/13/2007	169.04	2.01	0.00	167.03	-0.41	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	ND<0.50	
7/19/2007	169.04	1.96	0.00	167.08	0.05	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	ND<0.50	
10/8/2007	169.04	2.35	0.00	166.69	-0.39	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	0.80	
1/9/2008	169.04	1.10	0.00	167.94	1.25	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	ND<0.50	Gauged on 1/18/2008
4/4/2008	169.04	1.60	0.00	167.44	-0.50	ND<50	--	ND<0.30	0.40	ND<0.30	0.71	--	ND<0.50	
7/3/2008	169.04	2.19	0.00	166.85	-0.59	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	1.4	
10/3/2008	169.04	2.78	0.00	166.26	-0.59	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	1.8	
1/22/2009	169.04	2.35	0.00	166.69	0.43	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	1.2	
4/13/2009	169.04	1.81	0.00	167.23	0.54	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	0.72	
7/23/2009	169.04	--	--	--	--	--	--	--	--	--	--	--	--	Paved over
2/1/2010	169.04	--	--	--	--	--	--	--	--	--	--	--	--	Paved over
8/2/2010	169.04	--	--	--	--	--	--	--	--	--	--	--	--	Paved over
11/1/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	Abandoned
MW-7			**(Screen Interval in feet: 5.0-25.0)**											
10/3/2001	171.64	7.62	0.00	164.02	--	10000	--	210	ND<50	ND<50	800	35000	40000	
1/28/2002	171.64	7.21	0.00	164.43	0.41	ND<1000	--	ND<10	ND<10	ND<10	ND<10	42000	38000	
4/25/2002	171.64	7.25	0.00	164.39	-0.04	ND<5000	--	660	ND<50	ND<50	ND<50	42000	45000	
7/18/2002	171.64	8.12	0.00	163.52	-0.87	ND<5000	--	130	ND<50	ND<50	ND<50	51000	53000	
10/7/2002	171.64	7.71	0.00	163.93	0.41	18000	--	ND<50	ND<50	ND<50	ND<50	33000	38000	

TRC

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

July 1999 Through January 2011

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 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-7 continued														
1/6/2003	171.64	7.63	0.00	164.01	0.08	410	--	0.61	1.0	0.89	2.9	3900	3100	
4/7/2003	171.64	7.58	0.00	164.06	0.05	13000	--	ND<20	ND<20	ND<20	ND<20	32000	28000	
7/7/2003	171.64	7.56	0.00	164.08	0.02	990	--	8.2	ND<0.50	1.2	ND<0.50	36000	45000	
10/9/2003	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 11/14/2003
1/14/2004	171.64	6.97	0.00	164.67	0.75	19000	--	ND<100	ND<100	ND<100	ND<100	20000	25000	
4/28/2004	171.64	8.70	0.00	162.94	-1.73	19000	--	ND<3	ND<3	ND<3	ND<6	30000	21000	
7/12/2004	171.64	9.44	0.00	162.20	-0.74	12000	--	28	14	330	200	12000	11000	
10/25/2004	171.64	7.23	0.00	164.41	2.21	28000	--	ND<250	ND<250	ND<250	ND<250	13000	14000	
1/17/2005	171.64	6.30	0.00	165.34	0.93	15000	--	ND<100	ND<100	ND<100	ND<100	17000	16000	
4/6/2005	171.64	5.96	0.00	165.68	0.34	13000	--	ND<100	ND<100	ND<100	ND<100	14000	17000	
7/8/2005	171.64	6.45	0.00	165.19	-0.49	ND<10000	--	ND<100	ND<100	ND<100	ND<100	8600	11000	
10/7/2005	171.64	6.78	0.00	164.86	-0.33	13000	--	ND<3.0	ND<3.0	ND<3.0	ND<6.0	9400	9800	
1/27/2006	171.64	5.82	0.00	165.82	0.96	8200	--	0.64	1.6	ND<0.30	ND<0.60	9900	7900	
4/28/2006	171.64	5.57	0.00	166.07	0.25	6900	--	0.88	1.5	0.34	1.0	9600	11000	
7/28/2006	171.64	6.67	0.00	164.97	-1.10	5400	--	5.2	ND<3.0	ND<3.0	ND<6.0	5000	5300	
10/27/2006	171.64	6.93	0.00	164.71	-0.26	4500	--	ND<1.5	ND<1.5	ND<1.5	ND<3.0	4700	3700	
1/10/2007	171.64	6.41	0.00	165.23	0.52	4000	--	ND<1.2	ND<1.2	ND<1.2	ND<2.4	4400	4400	
4/13/2007	171.64	--	--	--	--	--	--	--	--	--	--	--	--	Paved over
7/19/2007	171.64	7.10	0.00	164.54	--	2700	--	0.57	ND<0.30	ND<0.30	ND<0.60	2700	3300	
10/8/2007	171.64	7.42	0.00	164.22	-0.32	1600	--	0.47	0.49	ND<0.30	ND<0.60	2500	2200	
1/9/2008	171.64	5.98	0.00	165.66	1.44	1500	--	0.45	0.49	ND<0.30	ND<0.60	1900	1900	Gauged on 1/18/2008
4/4/2008	171.64	6.80	0.00	164.84	-0.82	1800	--	0.72	0.58	ND<0.30	ND<0.60	--	2700	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

July 1999 Through January 2011

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 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-7 continued														
7/3/2008	171.64	7.31	0.00	164.33	-0.51	1600	--	0.45	ND<0.30	ND<0.30	ND<0.60	--	2300	
10/3/2008	171.64	7.79	0.00	163.85	-0.48	1300	--	0.53	0.59	ND<0.30	ND<0.60	--	1800	
1/22/2009	171.64	7.26	0.00	164.38	0.53	890	--	0.43	0.49	ND<0.30	ND<0.60	--	1300	
4/13/2009	171.64	6.83	0.00	164.81	0.43	1100	--	0.46	0.30	ND<0.30	ND<0.60	--	1200	
7/23/2009	171.64	7.32	0.00	164.32	-0.49	920	--	ND<0.30	0.73	ND<0.30	ND<0.60	--	900	
2/1/2010	171.64	6.21	0.00	165.43	1.11	1000	--	5.6	4.0	1.2	2.0	--	720	
8/2/2010	171.64	7.08	0.00	164.56	-0.87	880	--	ND<0.30	0.62	ND<0.30	ND<0.60	--	770	
11/1/2010	172.11	6.97	0.00	165.14	0.58	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
1/31/2011	172.11	6.58	0.00	165.53	0.39	730	--	0.31	0.59	ND<0.30	ND<0.60	--	600	
MW-8			**(Screen Interval in feet: 15.0-25.0)**											
1/18/2008	167.97	0.43	0.00	167.54	--	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	ND<0.50	
4/4/2008	167.97	0.55	0.00	167.42	-0.12	ND<50	--	0.76	1.6	0.72	2.3	--	ND<0.50	
7/3/2008	167.97	0.91	0.00	167.06	-0.36	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	ND<0.50	
10/3/2008	167.97	1.71	0.00	166.26	-0.80	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	ND<0.50	
1/22/2009	167.97	1.59	0.00	166.38	0.12	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	ND<0.50	
4/13/2009	167.97	0.08	0.00	167.89	1.51	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	ND<0.50	
7/23/2009	167.97	1.10	0.00	166.87	-1.02	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	ND<0.50	
2/1/2010	167.97	0.65	0.00	167.32	0.45	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	ND<0.50	
8/2/2010	167.97	--	--	--	--	--	--	--	--	--	--	--	--	Paved over
11/1/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	Abandoned

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1156

Date Sampled	TPH-D (µg/l)	TBA (µg/l)	Ethanol (8015B) (mg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	EDB (504) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Total Oil and Grease (mg/l)	Acenaph-thylene (µg/l)
MW-1												
7/20/1999	16000	--	--	--	--	--	--	--	--	--	--	--
9/28/1999	2410	ND	--	--	--	--	--	ND	ND	ND	--	--
1/7/2000	7870	--	--	--	--	--	--	--	--	--	--	--
3/31/2000	3600	--	--	--	--	--	--	--	--	--	--	--
7/14/2000	8580	--	--	--	--	--	--	--	--	--	--	--
10/3/2000	9260	--	--	--	--	--	--	--	--	--	--	--
1/3/2001	11000	--	--	--	--	--	--	--	--	--	--	--
4/4/2001	14000	ND	--	ND	ND	--	ND	ND	ND	ND	--	--
7/17/2001	2200	ND	--	ND	ND	--	ND	ND	ND	ND	--	--
10/5/2001	13000	--	--	--	--	--	--	--	--	--	--	--
1/28/2002	4400	--	--	--	--	--	--	--	--	--	--	--
4/25/2002	9000	--	--	--	--	--	--	--	--	--	--	--
7/18/2002	9200	ND<100	--	ND<2500000	ND<10	--	ND<10	ND<10	ND<10	ND<10	--	--
10/7/2002	3400	ND<10000	--	ND<50000000	ND<200	--	ND<200	ND<200	ND<200	ND<200	--	--
1/6/2003	5100	ND<20000	--	ND<100000000	ND<400	--	ND<400	ND<400	ND<400	ND<400	--	--
4/7/2003	2800	ND<10000	--	ND<50000000	ND<200	--	ND<200	ND<200	ND<200	ND<200	--	--
7/7/2003	7000	ND<25000	ND<120000	--	ND<500	--	ND<500	ND<500	ND<500	ND<500	--	--
10/9/2003	4300	ND<20000	--	ND<100000	ND<400	--	ND<400	ND<400	ND<400	ND<400	--	--
1/14/2004	6200	ND<40000	--	ND<200000	ND<800	--	ND<800	ND<800	ND<800	ND<800	--	--
4/28/2004	--	800	--	ND<1000	ND<50	--	ND<50	ND<1	ND<1	ND<1	--	--
7/12/2004	270	1100	--	ND<20000	ND<10	--	ND<10	ND<20	ND<20	ND<20	--	ND<2
10/25/2004	5100	ND<2000	--	ND<20000	ND<200	--	ND<200	ND<400	ND<200	ND<200	--	--
1/17/2005	6400	3100	--	ND<20000	ND<200	--	ND<200	ND<400	ND<200	ND<200	--	--
4/6/2005	2800	1500	--	ND<10000	ND<100	--	ND<100	ND<100	ND<100	ND<100	--	--
7/8/2005	6400	ND<1300	--	ND<13000	ND<130	--	3.8	ND<130	ND<130	ND<130	--	--

TRC

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1156

Date Sampled	TPH-D (µg/l)	TBA (µg/l)	Ethanol (8015B) (mg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	EDB (504) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Total Oil and Grease (mg/l)	Acenaph-thylene (µg/l)
MW-1 continued												
10/7/2005	5500	680	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
1/27/2006	9000	ND<500	--	ND<12000	ND<25	--	ND<25	ND<25	ND<25	ND<25	--	--
4/28/2006	9200	ND<500	--	ND<12000	ND<25	--	ND<25	ND<25	ND<25	ND<25	--	--
7/28/2006	5100	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
10/27/2006	4600	ND<2500	--	ND<62000	ND<120	--	ND<120	ND<120	ND<120	ND<120	--	--
1/10/2007	12000	ND<1000	--	ND<25000	ND<50	--	ND<50	ND<50	ND<50	ND<50	--	--
4/13/2007	8400	730	--	ND<250	ND<0.50	--	0.68	ND<0.50	ND<0.50	ND<0.50	--	--
7/19/2007	10000	ND<1000	--	ND<25000	ND<50	--	ND<50	ND<50	ND<50	ND<50	--	--
1/9/2008	12000	ND<250	--	ND<6200	ND<12	--	ND<12	ND<12	ND<12	ND<12	--	--
4/4/2008	15000	770	--	ND<5000	ND<10	--	ND<10	ND<10	ND<10	ND<10	--	--
7/3/2008	9300	ND<250	--	ND<6200	ND<12	--	ND<12	ND<12	ND<12	ND<12	--	--
10/3/2008	4400	ND<200	--	ND<5000	ND<10	--	ND<10	ND<10	ND<10	ND<10	--	--
1/22/2009	8000	ND<500	--	ND<12000	ND<25	--	ND<25	ND<25	ND<25	ND<25	--	--
4/13/2009	4800	280	--	ND<1200	ND<2.5	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	--
7/23/2009	2800	ND<2000	--	ND<50000	ND<100	--	ND<100	ND<100	ND<100	ND<100	--	--
2/1/2010	3900	--	--	--	--	--	--	--	--	--	ND<5.0	--
8/2/2010	3900	--	--	--	ND<10	ND<0.010	ND<10	--	--	--	ND<5.0	--
MW-1B												
11/1/2010	ND<50	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--
1/31/2011	ND<50	28	--	ND<250	ND<0.50	--	0.76	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--
MW-2												
9/28/1999	--	ND	--	--	--	--	--	ND	ND	ND	--	--
4/4/2001	--	ND	--	ND	ND	--	ND	ND	ND	ND	--	--
7/17/2001	--	ND	--	ND	ND	--	ND	ND	ND	ND	--	--
7/18/2002	--	ND<1000	--	ND<25000000	ND<100	--	ND<100	ND<100	ND<100	ND<100	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1156

Date Sampled	TPH-D (µg/l)	TBA (µg/l)	Ethanol (8015B) (mg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	EDB (504) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Total Oil and Grease (mg/l)	Acenaph-thylene (µg/l)
MW-2 continued												
10/7/2002	--	ND<20000	--	ND<100000000	ND<400	--	ND<400	ND<400	ND<400	ND<400	--	--
1/6/2003	--	ND<50000	--	ND<250000000	ND<1000	--	ND<1000	ND<1000	ND<1000	ND<1000	--	--
4/7/2003	--	ND<2000	--	ND<10000000	ND<40	--	ND<40	ND<40	ND<40	ND<40	--	--
7/7/2003	--	ND<5000	--	ND<25000000	ND<100	--	ND<100	ND<100	ND<100	ND<100	--	--
10/9/2003	--	ND<10000	--	ND<50000	ND<200	--	ND<200	ND<200	ND<200	ND<200	--	--
1/14/2004	--	ND<2500	--	ND<13000	ND<50	--	ND<50	ND<50	ND<50	ND<50	--	--
4/28/2004	--	13000	--	ND<1000	ND<0.5	--	ND<0.5	ND<1	ND<1	11	--	--
7/12/2004	--	110	--	ND<4000	ND<3	--	ND<3	ND<5	ND<5	ND<5	--	--
10/25/2004	--	1100	--	ND<1300	ND<13	--	ND<13	ND<25	ND<13	ND<13	--	--
1/17/2005	--	1200	--	ND<1300	ND<13	--	ND<13	ND<25	ND<13	ND<13	--	--
4/6/2005	--	2800	--	ND<2500	ND<25	--	ND<25	ND<25	ND<25	ND<25	--	--
7/8/2005	--	4300	--	ND<2500	ND<25	--	ND<25	ND<25	ND<25	ND<25	--	--
10/7/2005	--	8700	--	ND<250	ND<0.50	--	1.4	ND<0.50	ND<0.50	ND<0.50	--	--
1/27/2006	--	5200	--	ND<12000	ND<25	--	ND<25	ND<25	ND<25	ND<25	--	--
4/28/2006	--	6700	--	ND<250	ND<0.50	--	1.4	ND<0.50	ND<0.50	1.6	--	--
7/28/2006	--	5100	--	ND<6200	ND<12	--	ND<12	ND<12	ND<12	ND<12	--	--
10/27/2006	--	6600	--	ND<1200	ND<2.5	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	--
1/10/2007	--	6000	--	ND<1200	ND<2.5	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	--
4/13/2007	--	7400	--	ND<6200	ND<12	--	ND<12	ND<12	ND<12	ND<12	--	--
7/19/2007	--	6200	--	ND<2500	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	--
10/8/2007	--	20000	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
1/9/2008	--	9900	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
4/4/2008	--	5800	--	ND<1200	ND<2.5	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	--
7/3/2008	--	8300	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
10/3/2008	ND<50	5900	--	ND<1200	ND<2.5	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	--

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Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1156

Date Sampled	TPH-D (µg/l)	TBA (µg/l)	Ethanol (8015B) (mg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	EDB (504) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Total Oil and Grease (mg/l)	Acenaph-thylene (µg/l)
MW-2 continued												
1/22/2009	ND<50	7400	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
4/13/2009	ND<50	5500	--	ND<2500	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	--
7/23/2009	230	5000	--	ND<2500	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	--
2/1/2010	140	--	--	--	--	--	--	--	--	--	--	--
8/2/2010	210	--	--	--	ND<1.0	ND<0.010	ND<1.0	--	--	--	--	--
MW-2B												
11/1/2010	57	2000	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
1/31/2011	ND<50	1300	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
MW-3												
9/28/1999	--	ND	--	--	--	--	--	ND	ND	8.80	--	--
4/4/2001	--	ND	--	ND	ND	--	ND	ND	ND	ND	--	--
7/17/2001	--	ND	--	ND	ND	--	ND	ND	ND	ND	--	--
7/18/2002	--	ND<50	--	ND<1200000	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	--
10/7/2002	--	ND<10000	--	ND<50000000	ND<200	--	ND<200	ND<200	ND<200	ND<200	--	--
1/6/2003	--	ND<4000	--	23000000	ND<80	--	ND<80	ND<80	ND<80	ND<80	--	--
4/7/2003	--	ND<4000	--	ND<20000000	ND<80	--	ND<80	ND<80	ND<80	ND<80	--	--
7/7/2003	--	ND<2000	--	ND<10000000	ND<40	--	ND<40	ND<40	ND<40	ND<40	--	--
10/9/2003	--	ND<1000	--	ND<5000	ND<20	--	ND<20	ND<20	ND<20	ND<20	--	--
1/14/2004	--	ND<1000	--	ND<5000	ND<20	--	ND<20	ND<20	ND<20	ND<20	--	--
4/28/2004	--	ND<12	--	ND<1000	ND<3	--	ND<3	ND<1	ND<1	ND<1	--	--
7/12/2004	--	350	--	ND<20000	ND<10	--	ND<10	ND<20	ND<20	ND<20	--	--
10/25/2004	--	39	--	ND<250	ND<2.5	--	ND<2.5	ND<5.0	ND<2.5	ND<2.5	--	--
1/17/2005	--	120	--	ND<250	ND<2.5	--	ND<2.5	ND<5.0	ND<2.5	ND<2.5	--	--
4/6/2005	--	150	--	ND<1000	ND<10	--	ND<10	ND<10	ND<10	ND<10	--	--
7/8/2005	--	64	--	ND<250	ND<2.5	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	--

TRC

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1156

Date Sampled	TPH-D (µg/l)	TBA (µg/l)	Ethanol (8015B) (mg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	EDB (504) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Total Oil and Grease (mg/l)	Acenaph-thylene (µg/l)
MW-3 continued												
10/7/2005	--	ND<200	--	ND<5000	ND<10	--	ND<10	ND<10	ND<10	ND<10	--	--
1/27/2006	--	ND<10	--	ND<250	ND<0.50	--	1.5	ND<0.50	ND<0.50	ND<0.50	--	--
4/28/2006	--	190	--	ND<250	ND<0.50	--	0.63	ND<0.50	ND<0.50	ND<0.50	--	--
7/28/2006	--	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
10/27/2006	--	ND<10	--	ND<250	ND<0.50	--	1.3	ND<0.50	ND<0.50	ND<0.50	--	--
1/10/2007	--	66	--	ND<250	ND<0.50	--	1.4	ND<0.50	ND<0.50	ND<0.50	--	--
4/13/2007	--	ND<10	--	ND<250	ND<0.50	--	1.2	ND<0.50	ND<0.50	ND<0.50	--	--
7/19/2007	--	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
10/8/2007	--	ND<20	--	ND<500	ND<1.0	--	1.1	ND<1.0	ND<1.0	ND<1.0	--	--
1/9/2008	--	ND<20	--	ND<500	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--
4/4/2008	--	ND<50	--	ND<1200	ND<2.5	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	--
7/3/2008	--	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
10/3/2008	1200	ND<100	--	ND<2500	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	--
1/22/2009	270	ND<20	--	ND<500	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--
4/13/2009	150	ND<10	--	ND<250	ND<0.50	--	1.0	ND<0.50	ND<0.50	ND<0.50	--	--
7/23/2009	310	ND<100	--	ND<2500	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	--
2/1/2010	390	--	--	--	--	--	--	--	--	--	--	--
8/2/2010	540	--	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--
MW-3B												
11/1/2010	58	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
1/31/2011	65	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
MW-4												
9/28/1999	--	ND	--	--	--	--	--	ND	ND	ND	--	--
4/4/2001	--	ND	--	ND	ND	--	ND	ND	ND	ND	--	--
7/17/2001	--	ND	--	ND	ND	--	ND	ND	ND	ND	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1156

Date Sampled	TPH-D (µg/l)	TBA (µg/l)	Ethanol (8015B) (mg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	EDB (504) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Total Oil and Grease (mg/l)	Acenaph-thylene (µg/l)
MW-4 continued												
7/18/2002	--	ND<100	--	ND<2500000	ND<10	--	49	ND<10	ND<10	ND<10	--	--
10/7/2002	--	ND<10000	--	ND<50000000	ND<200	--	ND<200	ND<200	ND<200	ND<200	--	--
1/6/2003	--	ND<1000	--	ND<5000000	ND<20	--	ND<20	ND<20	ND<20	ND<20	--	--
4/7/2003	--	ND<1000	--	ND<5000000	ND<20	--	ND<20	ND<20	ND<20	ND<20	--	--
7/7/2003	--	ND<1000	--	ND<5000000	ND<20	--	ND<20	ND<20	ND<20	ND<20	--	--
10/9/2003	--	ND<200	--	ND<1000	ND<4.0	--	ND<4.0	ND<4.0	ND<4.0	ND<4.0	--	--
1/14/2004	--	ND<200	--	ND<1000	ND<4.0	--	6.5	ND<4.0	ND<4.0	ND<4.0	--	--
4/28/2004	--	150	--	ND<1000	ND<0.5	--	ND<0.5	ND<1	ND<1	ND<1	--	--
7/12/2004	--	210	--	ND<4000	ND<3	--	14	ND<5	ND<5	ND<5	--	--
10/25/2004	--	38	--	ND<100	ND<1.0	--	2.0	ND<2.0	ND<1.0	ND<1.0	--	--
1/17/2005	--	110	--	ND<100	ND<1.0	--	3.6	ND<2.0	ND<1.0	ND<1.0	--	--
4/6/2005	--	ND<25	--	73000	ND<2.5	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	--
7/8/2005	--	29	--	ND<50	ND<0.50	--	1.2	ND<0.50	ND<0.50	ND<0.50	--	--
10/7/2005	--	210	--	ND<250	ND<0.50	--	26	ND<0.50	ND<0.50	ND<0.50	--	--
1/27/2006	--	280	--	ND<2500	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	--
4/28/2006	--	130	--	ND<250	ND<0.50	--	0.97	ND<0.50	ND<0.50	ND<0.50	--	--
7/28/2006	--	64	--	ND<250	ND<0.50	--	5.8	ND<0.50	ND<0.50	ND<0.50	--	--
10/27/2006	--	54	--	ND<250	ND<0.50	--	1.5	ND<0.50	ND<0.50	ND<0.50	--	--
1/10/2007	--	33	--	310	ND<0.50	--	1.9	ND<0.50	ND<0.50	ND<0.50	--	--
4/13/2007	--	82	--	ND<250	ND<0.50	--	0.77	ND<0.50	ND<0.50	ND<0.50	--	--
7/19/2007	--	13	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
10/8/2007	--	ND<20	--	ND<500	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--
1/9/2008	--	ND<20	--	ND<500	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--
4/4/2008	--	27	--	ND<250	ND<0.50	--	1.0	ND<0.50	ND<0.50	ND<0.50	--	--
7/3/2008	--	27	--	ND<250	ND<0.50	--	1.4	ND<0.50	ND<0.50	ND<0.50	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1156

Date Sampled	TPH-D (µg/l)	TBA (µg/l)	Ethanol (8015B) (mg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	EDB (504) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Total Oil and Grease (mg/l)	Acenaph-thylene (µg/l)
MW-4 continued												
10/3/2008	96	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
1/22/2009	ND<50	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
4/13/2009	110	39	--	ND<250	ND<0.50	--	1.4	ND<0.50	ND<0.50	ND<0.50	--	--
7/23/2009	85	42	--	ND<250	ND<0.50	--	1.5	ND<0.50	ND<0.50	ND<0.50	--	--
2/1/2010	80	--	--	--	--	--	--	--	--	--	--	--
8/2/2010	120	--	--	--	ND<0.50	ND<0.010	1.4	--	--	--	--	--
MW-4B												
11/1/2010	ND<50	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
1/31/2011	ND<50	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
MW-5												
7/18/2002	--	ND<20	--	ND<500000	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--
10/7/2002	--	ND<100	--	ND<500000	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--
1/6/2003	ND<50	ND<100	--	ND<500000	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--
4/7/2003	--	ND<500	--	ND<2500000	ND<10	--	ND<10	ND<10	ND<10	ND<10	--	--
7/7/2003	--	ND<200	--	ND<1000000	ND<4.0	--	ND<4.0	ND<4.0	ND<4.0	ND<4.0	--	--
10/9/2003	--	ND<200	--	ND<1000	ND<4.0	--	ND<4.0	ND<4.0	ND<4.0	ND<4.0	--	--
1/14/2004	--	ND<2000	--	ND<10000	ND<40	--	ND<40	ND<40	ND<40	ND<40	--	--
4/28/2004	--	ND<12	--	ND<1000	ND<0.5	--	1.8	ND<1	ND<1	ND<1	--	--
7/12/2004	--	ND<12	--	ND<800	ND<0.5	--	0.76	ND<1	ND<1	ND<1	--	--
10/25/2004	--	ND<500	--	ND<5000	ND<50	--	ND<50	ND<100	ND<50	ND<50	--	--
1/17/2005	--	100	--	ND<250	ND<2.5	--	ND<2.5	ND<5.0	ND<2.5	ND<2.5	--	--
4/6/2005	--	7.6	--	ND<50	ND<0.50	--	1.4	ND<0.50	ND<0.50	ND<0.50	--	--
7/8/2005	--	180	--	ND<500	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	--
10/7/2005	--	ND<10	--	ND<250	ND<0.50	--	1.0	ND<0.50	ND<0.50	ND<0.50	--	--
1/27/2006	--	1000	--	ND<2500	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1156

Date Sampled	TPH-D (µg/l)	TBA (µg/l)	Ethanol (8015B) (mg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	EDB (504) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Total Oil and Grease (mg/l)	Acenaph-thylene (µg/l)
MW-5 continued												
4/28/2006	--	130	--	ND<250	ND<0.50	--	0.95	ND<0.50	ND<0.50	ND<0.50	--	--
7/28/2006	--	ND<100	--	ND<2500	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	--
10/27/2006	--	43	--	ND<250	ND<0.50	--	1.5	ND<0.50	ND<0.50	ND<0.50	--	--
1/10/2007	--	28	--	ND<250	ND<0.50	--	1.7	ND<0.50	ND<0.50	ND<0.50	--	--
4/13/2007	--	ND<10	--	ND<250	ND<0.50	--	0.84	ND<0.50	ND<0.50	ND<0.50	--	--
7/19/2007	--	ND<10	--	ND<250	ND<0.50	--	ND<5.0	ND<0.50	ND<0.50	ND<0.50	--	--
10/8/2007	--	ND<10	--	ND<250	ND<0.50	--	1.3	ND<0.50	ND<0.50	ND<0.50	--	--
1/9/2008	--	ND<10	--	ND<250	ND<0.50	--	1.2	ND<0.50	ND<0.50	ND<0.50	--	--
4/4/2008	--	ND<10	--	ND<250	ND<0.50	--	1.4	ND<0.50	ND<0.50	ND<0.50	--	--
7/3/2008	--	ND<10	--	ND<250	ND<0.50	--	1.5	ND<0.50	ND<0.50	ND<0.50	--	--
10/3/2008	60	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
1/22/2009	ND<50	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
4/13/2009	ND<50	ND<10	--	ND<250	ND<0.50	--	1.2	ND<0.50	ND<0.50	ND<0.50	--	--
7/23/2009	ND<50	ND<10	--	ND<250	ND<0.50	--	1.8	ND<0.50	ND<0.50	ND<0.50	--	--
2/1/2010	ND<50	--	--	--	--	--	--	--	--	--	--	--
8/2/2010	ND<50	--	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--
1/31/2011	ND<50	ND<10	--	ND<250	ND<0.50	--	1.6	ND<0.50	ND<0.50	ND<0.50	--	--
MW-6												
7/18/2002	--	ND<20	--	ND<500000	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--
10/7/2002	--	ND<100	--	ND<500000	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--
1/6/2003	--	ND<100	--	ND<500000	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--
4/7/2003	--	ND<100	--	ND<500000	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--
7/7/2003	--	ND<100	--	ND<500000	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--
10/9/2003	--	ND<100	--	ND<500	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--
1/14/2004	--	ND<100	--	ND<500	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1156

Date Sampled	TPH-D (µg/l)	TBA (µg/l)	Ethanol (8015B) (mg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	EDB (504) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Total Oil and Grease (mg/l)	Acenaph-thylene (µg/l)
MW-6 continued												
4/28/2004	--	ND<12	--	ND<1000	ND<0.5	--	ND<0.5	ND<1	ND<1	ND<1	--	--
7/12/2004	--	ND<12	--	ND<800	ND<0.5	--	ND<0.5	ND<1	ND<1	ND<1	--	--
10/25/2004	--	ND<5.0	--	ND<50	ND<0.50	--	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--
1/17/2005	--	ND<5.0	--	ND<50	ND<0.50	--	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--
4/6/2005	--	ND<5.0	--	ND<50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
7/8/2005	--	ND<5.0	--	ND<50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
10/7/2005	--	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
1/27/2006	--	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
4/28/2006	--	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
7/28/2006	--	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
10/27/2006	--	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
1/10/2007	--	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
4/13/2007	--	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
7/19/2007	--	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
10/8/2007	--	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
1/9/2008	--	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
4/4/2008	--	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
7/3/2008	--	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
10/3/2008	ND<50	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
1/22/2009	ND<50	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
4/13/2009	ND<50	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
MW-7												
7/18/2002	--	33000	--	ND<5000000	ND<20	--	ND<20	ND<20	ND<20	ND<20	--	--
10/7/2002	--	26000	--	ND<100000000	ND<400	--	ND<400	ND<400	ND<400	ND<400	--	--
1/6/2003	ND<50	ND<10000	--	ND<50000000	ND<200	--	ND<200	ND<200	ND<200	ND<200	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1156

Date Sampled	TPH-D (µg/l)	TBA (µg/l)	Ethanol (8015B) (mg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	EDB (504) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Total Oil and Grease (mg/l)	Acenaph-thylene (µg/l)
MW-7 continued												
4/7/2003	--	ND<40000	--	ND<200000000	ND<800	--	ND<800	ND<800	ND<800	ND<800	--	--
7/7/2003	--	27000	--	ND<100000000	ND<400	--	ND<400	ND<400	ND<400	ND<400	--	--
10/9/2003	--	ND<25000	--	ND<130000	ND<500	--	ND<500	ND<500	ND<500	ND<500	--	--
1/14/2004	--	ND<40000	--	ND<200000	ND<800	--	ND<800	ND<800	ND<800	ND<800	--	--
4/28/2004	--	9200	--	ND<1000	ND<0.5	--	6.8	ND<1	ND<1	12	--	--
7/12/2004	--	4600	--	ND<8000	ND<5	--	5.1	ND<10	ND<10	ND<10	--	--
10/25/2004	--	3900	--	ND<5000	ND<50	--	ND<50	ND<100	ND<50	ND<50	--	--
1/17/2005	--	4200	--	ND<5000	ND<50	--	ND<50	ND<100	ND<50	ND<50	--	--
4/6/2005	--	4200	--	ND<10000	ND<0.50	--	6.4	ND<0.50	ND<0.50	9.3	--	--
7/8/2005	--	4300	--	ND<5000	ND<50	--	ND<50	ND<50	ND<50	ND<50	--	--
10/7/2005	--	1100	--	ND<12000	ND<25	--	ND<25	ND<25	ND<25	ND<25	--	--
1/27/2006	--	1600	--	ND<25000	ND<50	--	ND<50	ND<50	ND<50	ND<50	--	--
4/28/2006	--	2900	--	ND<250	ND<0.50	--	3.4	ND<0.50	ND<0.50	6.3	--	--
7/28/2006	--	1300	--	ND<6200	ND<12	--	ND<12	ND<12	ND<12	ND<12	--	--
10/27/2006	--	1700	--	ND<2500	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	--
1/10/2007	12000	1300	--	ND<2500	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	--
7/19/2007	--	ND<100	--	ND<2500	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	--
10/8/2007	--	ND<500	--	ND<12000	ND<25	--	ND<25	ND<25	ND<25	ND<25	--	--
1/9/2008	--	2700	--	ND<250	ND<0.50	--	1.2	ND<0.50	ND<0.50	1.1	--	--
4/4/2008	--	1400	--	ND<6200	ND<12	--	ND<12	ND<12	ND<12	ND<12	--	--
7/3/2008	--	940	--	ND<250	ND<0.50	--	2.2	ND<0.50	ND<0.50	1.2	--	--
10/3/2008	ND<50	540	--	ND<1200	ND<2.5	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	--
1/22/2009	ND<50	370	--	ND<1200	ND<2.5	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	--
4/13/2009	ND<50	420	--	ND<5000	ND<10	--	ND<10	ND<10	ND<10	ND<10	--	--
7/23/2009	ND<50	370	--	ND<2500	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	--

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Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1156

Date Sampled	TPH-D (µg/l)	TBA (µg/l)	Ethanol (8015B) (mg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	EDB (504) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Total Oil and Grease (mg/l)	Acenaph-thylene (µg/l)
MW-7 continued												
2/1/2010	53	--	--	--	--	--	--	--	--	--	--	--
8/2/2010	ND<50	--	--	--	ND<0.50	--	1.9	--	--	--	--	--
1/31/2011	ND<50	160	--	ND<250	ND<0.50	--	1.3	ND<0.50	ND<0.50	ND<0.50	--	--
MW-8												
1/18/2008	--	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
4/4/2008	--	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
7/3/2008	--	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
10/3/2008	ND<50	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
1/22/2009	64	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
4/13/2009	ND<50	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
7/23/2009	ND<50	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
2/1/2010	ND<50	--	--	--	--	--	--	--	--	--	--	--

Table 2 b
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1156

Date Sampled	Bromo-dichloro-methane (µg/l)	Bromo-form (µg/l)	Bromo-methane (µg/l)	Carbon Tetra-chloride (µg/l)	Chloro-benzene (µg/l)	Chloro-ethane (µg/l)	Chloroform (µg/l)	Chloro-methane (µg/l)	Dibromo-chloro-methane (µg/l)	1,2-Dichloro-benzene (µg/l)	1,3-Dichloro-benzene (µg/l)	1,4-Dichloro-benzene (µg/l)
MW-1												
7/20/1999	--	--	--	--	12	--	--	--	--	3.9	--	--
3/31/2000	--	--	--	--	--	--	--	--	--	6.2	--	--
4/4/2001	--	--	--	--	5.6	--	--	--	--	4.6	--	--
7/17/2001	--	--	--	--	--	--	--	--	--	18	--	--
7/18/2002	--	--	--	--	5.9	1.1	--	--	--	5.8	--	1.3
7/7/2003	--	--	--	--	ND<120	--	--	--	--	--	--	--
7/12/2004	ND<10	ND<10	ND<20	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<2	ND<2	ND<2
7/8/2005	ND<0.50	ND<2.0	ND<1.0	ND<0.50	12	1.0	ND<0.50	ND<1.0	ND<0.50	9.0	ND<0.50	1.2
7/28/2006	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
7/19/2007	ND<50	ND<50	ND<100	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50
7/3/2008	ND<12	ND<12	ND<25	ND<12	ND<12	ND<12	ND<12	ND<12	ND<12	ND<12	ND<12	ND<12
MW-5												
1/6/2003	--	--	--	--	ND<0.50	--	--	--	--	--	--	--
MW-7												
1/6/2003	--	--	--	--	ND<50	--	--	--	--	--	--	--

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Table 2 c
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1156

Date Sampled	Dichloro-difluoro-methane (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	cis-1,2-DCE (µg/l)	trans-1,2-DCE (µg/l)	1,2-Dichloro-propane (µg/l)	cis-1,3-Dichloro-propene (µg/l)	trans-1,3-Dichloro-propene (µg/l)	Hexa-chloro-butadiene (µg/l)	Methylene chloride (µg/l)	Naph-thalene (µg/l)	n-Propyl-benzene (µg/l)
MW-1												
7/20/1999	--	2.0	--	3.6	--	0.92	--	--	--	--	600	--
9/28/1999	--	--	--	--	--	--	--	--	--	--	534	--
1/7/2000	--	--	--	--	--	--	--	--	--	--	1050	371
3/31/2000	--	--	--	--	--	--	--	--	--	--	140	--
7/14/2000	--	--	--	--	--	--	--	--	--	--	690	--
10/3/2000	--	--	--	--	--	--	--	--	--	--	361	--
1/3/2001	--	--	--	--	--	--	--	--	--	--	400	--
4/4/2001	--	--	--	3.4	--	--	--	--	--	--	490	--
7/17/2001	--	--	--	--	--	--	--	--	--	--	740	--
7/18/2002	--	--	--	1.3	--	--	--	--	--	--	910	--
7/7/2003	--	--	--	ND<120	--	--	--	--	--	--	850	--
7/12/2004	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<2	ND<20	450	--
7/8/2005	ND<1.0	1.3	ND<0.50	3.1	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<20	ND<5.0	250	--
7/28/2006	ND<0.50	ND<0.50	ND<0.50	4.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<1.0	--	--
7/19/2007	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	--	ND<100	--	--
7/3/2008	ND<12	ND<12	ND<12	ND<12	ND<12	ND<12	ND<12	ND<12	--	ND<25	--	--
MW-5												
1/6/2003	--	--	--	ND<0.50	--	--	--	--	--	--	ND<10	--
MW-7												
1/6/2003	--	--	--	ND<50	--	--	--	--	--	--	ND<10	--

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Table 2 d
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1156

Date Sampled	1,1,2,2-Tetrachloroethane (µg/l)	Tetrachloroethene (PCE) (µg/l)	Trichlorotrifluoroethane (µg/l)	1,2,4-Trichlorobenzene (µg/l)	1,1,1-Trichloroethane (µg/l)	1,1,2-Trichloroethane (µg/l)	Trichloroethene (TCE) (µg/l)	Trichlorofluoromethane (µg/l)	1,2,4-Trimethylbenzene (µg/l)	1,3,5-Trimethylbenzene (µg/l)	Vinyl chloride (µg/l)	Acenaphthene (µg/l)
MW-1												
9/28/1999	--	--	--	--	--	--	--	--	1240	318	--	--
1/7/2000	--	--	--	--	--	--	--	--	2210	597	--	--
7/14/2000	--	334	--	--	--	--	--	--	--	--	--	--
7/18/2002	--	ND<0.60	--	--	--	--	--	--	--	--	--	--
7/7/2003	--	ND<120	--	--	--	--	--	--	--	--	--	--
7/12/2004	ND<10	ND<10	ND<10	ND<2	ND<10	ND<10	ND<10	ND<10	--	--	ND<10	ND<2
7/8/2005	ND<0.50	ND<0.50	ND<0.50	ND<20	ND<0.50	ND<0.50	0.73	ND<1.0	--	--	ND<0.50	--
7/28/2006	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	ND<0.50	ND<10
7/19/2007	ND<50	ND<50	ND<50	--	ND<50	ND<50	ND<50	ND<50	--	--	ND<50	ND<2.2
7/3/2008	ND<12	ND<12	ND<12	--	ND<12	ND<12	ND<12	ND<12	--	--	ND<12	ND<20
MW-5												
1/6/2003	--	ND<0.50	--	--	--	--	--	--	--	--	--	--
MW-7												
1/6/2003	--	ND<50	--	--	--	--	--	--	--	--	--	--

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Table 2 e
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1156

Date Sampled	Acena-phthylene (svoc) (µg/l)	Anthra-cene (µg/l)	Benzo[a]-anthracene (µg/l)	Benzo[a]-pyrene (µg/l)	Benzo[b]-fluor-anthene (µg/l)	Benzo-[g,h,I]-perylene (µg/l)	Benzo[k]-fluor-anthene (µg/l)	Benzoic Acid (µg/l)	Benzyl Alcohol (µg/l)	Bis(2-chloro-ethoxy) methane (µg/l)	Bis(2-chloro-ethyl) ether (µg/l)	Bis(2-chloro-isopropyl)-ether (µg/l)
MW-1												
7/12/2004	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<2	--	--	--	--	--
7/28/2006	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<50	ND<10	ND<10	ND<10	ND<10
7/19/2007	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<11	ND<2.2	ND<2.2	ND<2.2	ND<2.2
7/3/2008	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<100	ND<20	ND<20	ND<20	ND<20

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Table 2 f
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1156

Date Sampled	Bis(2-ethyl-hexyl) phthalate (µg/l)	4-Bromo-pheny phe-nyl ether (µg/l)	Butyl-benzyl phthalate (µg/l)	4-Chloro-3-methyl-phenol (µg/l)	4-Chloro-aniline (µg/l)	2-Chloro-naphtha-lene (µg/l)	2-Chloro-phenol (µg/l)	4-Chloro-phenyl phenyl ether (µg/l)	Chrysene (µg/l)	Dibenzo-[a,h]-anthracene (µg/l)	Dibenzo-furan (µg/l)	1,2-Dichloro-benzene (svoc) (µg/l)
MW-1												
3/31/2000	10	--	--	--	--	--	--	--	--	--	--	--
10/3/2000	51.6	--	--	--	--	--	--	--	--	--	--	--
4/4/2001	55	--	--	--	--	--	--	--	--	--	--	--
7/17/2001	400	--	--	--	--	--	--	--	--	--	--	--
7/18/2002	120	--	--	--	--	--	--	--	--	--	--	--
7/7/2003	70	--	--	--	--	--	--	--	--	--	--	--
7/12/2004	ND<5	--	--	--	--	--	--	--	ND<2	ND<3	--	--
7/28/2006	33	ND<10	ND<10	ND<25	ND<10	ND<10	ND<10	ND<10	ND<10	ND<15	ND<10	ND<10
7/19/2007	ND<4.4	ND<2.2	ND<2.2	ND<5.5	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<3.3	ND<2.2	ND<2.2
7/3/2008	ND<40	ND<20	ND<20	ND<50	ND<20	ND<20	ND<20	ND<20	ND<20	ND<30	ND<20	ND<20
MW-5												
1/6/2003	ND<5.0	--	--	--	--	--	--	--	--	--	--	--
MW-7												
1/6/2003	ND<5.0	--	--	--	--	--	--	--	--	--	--	--

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Table 2 g
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1156

Date Sampled	1,3-Dichloro-benzene (svoc) (µg/l)	1,4-Dichloro-benzene (svoc) (µg/l)	3,3-Dichloro-benzidine (µg/l)	2,4-Dichloro-phenol (µg/l)	Diethyl phthalate (µg/l)	2,4-Dimethyl-phenol (µg/l)	Dimethyl phthalate (µg/l)	Di-n-butyl phthalate (µg/l)	2,4-Dinitro-phenol (µg/l)	2,4-Dinitro-toluene (µg/l)	2,6-Dinitro-toluene (µg/l)	Di-n-octyl phthalate (µg/l)
MW-1												
7/28/2006	ND<10	ND<10	ND<50	ND<10	ND<10	ND<10	ND<10	ND<10	ND<50	ND<10	ND<10	ND<10
7/19/2007	ND<2.2	ND<2.2	ND<11	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<11	ND<2.2	ND<2.2	ND<2.2
7/3/2008	ND<20	ND<20	ND<100	ND<20	ND<20	ND<20	ND<20	ND<20	ND<100	ND<20	ND<20	ND<20

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Table 2 h
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1156

Date Sampled	Fluoran-thene (µg/l)	Fluorene (µg/l)	Hexa-chloro-benzene (µg/l)	HCBD (svoc) (µg/l)	Hexachloro cyclopenta-diene (µg/l)	Hexachloro -ethane (µg/l)	Indeno-[1,2,3-c,d] pyrene (µg/l)	Isophorone (µg/l)	2-Methyl-4,6-dinitro-phenol (µg/l)	2-Methyl-naphtha-lene (µg/l)	2-Methyl-phenol (µg/l)	4-Methyl-phenol (µg/l)
MW-1												
7/20/1999	--	--	--	--	--	--	--	--	--	240	--	27
9/28/1999	--	--	--	--	--	--	--	--	--	87.4	26.4	35.6
1/7/2000	--	--	--	--	--	--	--	--	--	315	--	--
3/31/2000	--	--	--	--	--	--	--	--	--	73	31	18
7/14/2000	--	--	--	--	--	--	--	--	--	300	--	--
10/3/2000	--	--	--	--	--	--	--	--	--	98.1	--	28.9
1/3/2001	--	--	--	--	--	--	--	--	--	180	--	--
4/4/2001	--	--	--	--	--	--	--	--	--	78	--	--
7/17/2001	--	--	--	--	--	--	--	--	--	290	47	25
7/18/2002	--	--	--	--	--	--	--	--	--	420	13	25
7/7/2003	--	--	--	--	--	--	--	--	--	260	ND<5.0	22
7/12/2004	ND<2	ND<2	--	--	--	--	ND<2	--	--	--	--	--
7/28/2006	ND<10	ND<10	ND<10	ND<5.0	ND<10	ND<10	ND<10	ND<10	--	280	ND<10	--
7/19/2007	ND<2.2	ND<2.2	ND<2.2	ND<1.1	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<11	230	29	--
7/3/2008	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<100	270	ND<20	--
MW-5												
1/6/2003	--	--	--	--	--	--	--	--	--	ND<5.0	ND<5.0	ND<5.0
MW-7												
1/6/2003	--	--	--	--	--	--	--	--	--	ND<5.0	ND<5.0	ND<5.0

Table 2 i
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1156

Date Sampled	Naphthalene (svoc) (µg/l)	2-Nitroaniline (µg/l)	3-Nitroaniline (µg/l)	4-Nitroaniline (µg/l)	Nitrobenzene (µg/l)	2-Nitrophenol (µg/l)	4-Nitrophenol (µg/l)	N-nitrosodi-n-propylamine (µg/l)	N-Nitrosodiphenylamine (µg/l)	Pentachlorophenol (µg/l)	Phenanthrene (µg/l)	Phenol (µg/l)
MW-1												
7/12/2004	--	--	--	--	--	--	--	--	--	--	ND<2	--
7/28/2006	660	ND<10	ND<10	ND<25	ND<10	ND<10	ND<10	ND<10	ND<10	ND<50	ND<10	ND<10
7/19/2007	770	ND<2.2	ND<2.2	ND<5.5	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<11	ND<2.2	ND<2.2
7/3/2008	750	ND<20	ND<20	ND<50	ND<20	ND<20	ND<20	ND<20	ND<20	ND<100	ND<20	ND<20

TRC

Table 2 j
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1156

Date Sampled	Pyrene (µg/l)	1,2,4-Trichloro-benzene (svoc) (µg/l)	2,4,6-Trichloro-phenol (µg/l)	2,4,5-Trichloro-phenol (µg/l)	Carbon (organic, total) (mg/l)	Chromium VI (µg/l)	Chromium (total) (µg/l)	Iron Ferrous (µg/l)	Manganese (dissolved) (µg/l)	Manganese (total) (µg/l)	Molyb-denum (total) (µg/l)	Molyb-denum (dissolved) (µg/l)
MW-1												
7/12/2004	ND<2	--	--	--	--	--	--	--	--	--	--	--
7/28/2006	ND<10	ND<10	ND<25	ND<25	--	--	--	--	--	--	--	--
7/19/2007	ND<2.2	ND<2.2	ND<5.5	ND<5.5	--	--	--	--	--	--	--	--
7/3/2008	ND<20	ND<20	ND<50	ND<50	--	--	--	--	--	--	--	--
4/13/2009	--	--	--	--	26	ND<2.0	ND<3.0	280	160	200	8.6	7.5
MW-2												
4/13/2009	--	--	--	--	4.4	ND<2.0	9.3	740	110	230	1.1	ND<1.0
MW-3												
4/13/2009	--	--	--	--	3.0	ND<2.0	14	1800	2800	2500	4.7	3.7
MW-4												
4/13/2009	--	--	--	--	1.9	ND<2.0	8.1	1500	2000	3500	7.2	6.4
MW-5												
4/13/2009	--	--	--	--	1.4	ND<2.0	19	ND<500	1.4	650	1.2	1.5
MW-6												
4/13/2009	--	--	--	--	1.4	ND<2.0	32	ND<500	14	530	2.6	2.9
MW-7												
4/13/2009	--	--	--	--	2.3	ND<2.0	100	3200	960	2300	1.1	1.3
MW-8												
4/13/2009	--	--	--	--	0.48	ND<2.0	3.3	130	ND<1.0	47	1.2	1.2

TRC

Table 2 k
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1156

Date Sampled	Selenium (total) (µg/l)	Selenium (dissolved) (µg/l)	Vanadium (total) (µg/l)	Vanadium (dissolved) (µg/l)	Bromate (µg/l)	Bromide (mg/l)	Chloride (mg/l)	Nitrogen as Nitrate (mg/l)	Sulfate (mg/l)	Alkalinity (total) (mg/l)	Specific Con-ductance (µmhos)	Post-purge Dissolved Oxygen (mg/l)
MW-1												
4/13/2009	ND<2.0	ND<2.0	ND<3.0	ND<3.0	ND<25	0.77	23	ND<0.44	ND<1.0	390	750	--
2/1/2010	--	--	--	--	--	--	--	--	--	--	--	0.81
8/2/2010	--	--	--	--	--	--	--	--	--	--	--	0.59
MW-1B												
11/1/2010	--	--	--	--	--	--	--	--	--	--	--	0.93
1/31/2011	--	--	--	--	--	--	--	--	--	--	--	1.32
MW-2												
4/13/2009	ND<2.0	ND<2.0	31	12	ND<25	0.40	25	0.85	14	350	688	0.49
7/23/2009	--	--	--	--	--	--	--	--	--	--	--	7.09
2/1/2010	--	--	--	--	--	--	--	--	--	--	--	1.51
8/2/2010	--	--	--	--	--	--	--	--	--	--	--	0.62
MW-2B												
11/1/2010	--	--	--	--	--	--	--	--	--	--	--	1.06
1/31/2011	--	--	--	--	--	--	--	--	--	--	--	0.89
MW-3												
4/13/2009	ND<2.0	ND<2.0	22	ND<3.0	ND<25	0.41	30	2.9	16	360	681	0.38
7/23/2009	--	--	--	--	--	--	--	--	--	--	--	6.14
2/1/2010	--	--	--	--	--	--	--	--	--	--	--	0.79
8/2/2010	--	--	--	--	--	--	--	--	--	--	--	0.62
MW-3B												
11/1/2010	--	--	--	--	--	--	--	--	--	--	--	0.60
1/31/2011	--	--	--	--	--	--	--	--	--	--	--	0.66
MW-4												

Table 2 k
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1156

Date Sampled	Selenium (total) (µg/l)	Selenium (dissolved) (µg/l)	Vanadium (total) (µg/l)	Vanadium (dissolved) (µg/l)	Bromate (µg/l)	Bromide (mg/l)	Chloride (mg/l)	Nitrogen as Nitrate (mg/l)	Sulfate (mg/l)	Alkalinity (total) (mg/l)	Specific Con-ductance (µmhos)	Post-purge Dissolved Oxygen (mg/l)
MW-4 continued												
4/13/2009	ND<2.0	ND<2.0	13	3.4	ND<25	0.40	37	4.4	23	320	704	1.35
7/23/2009	--	--	--	--	--	--	--	--	--	--	--	7.23
2/1/2010	--	--	--	--	--	--	--	--	--	--	--	0.90
8/2/2010	--	--	--	--	--	--	--	--	--	--	--	0.57
MW-4B												
11/1/2010	--	--	--	--	--	--	--	--	--	--	--	0.63
1/31/2011	--	--	--	--	--	--	--	--	--	--	--	1.72
MW-5												
4/13/2009	ND<2.0	ND<2.0	59	6.1	ND<25	0.71	68	5.7	26	350	860	0.95
7/23/2009	--	--	--	--	--	--	--	--	--	--	--	2.08
2/1/2010	--	--	--	--	--	--	--	--	--	--	--	1.84
8/2/2010	--	--	--	--	--	--	--	--	--	--	--	1.36
1/31/2011	--	--	--	--	--	--	--	--	--	--	--	1.00
MW-6												
4/13/2009	ND<2.0	ND<2.0	80	5.2	ND<25	0.58	72	8.9	37	280	754	0.54
MW-7												
4/13/2009	ND<2.0	ND<2.0	190	5.6	ND<25	0.50	37	ND<0.44	9.3	430	848	1.27
7/23/2009	--	--	--	--	--	--	--	--	--	--	--	0.76
2/1/2010	--	--	--	--	--	--	--	--	--	--	--	0.97
8/2/2010	--	--	--	--	--	--	--	--	--	--	--	0.74
1/31/2011	--	--	--	--	--	--	--	--	--	--	--	0.92
MW-8												
4/13/2009	ND<2.0	ND<2.0	12	4.5	ND<25	ND<0.10	81	19	40	210	690	1.11
7/23/2009	--	--	--	--	--	--	--	--	--	--	--	8.40

Table 2 k
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1156

Date Sampled	Selenium (total) (µg/l)	Selenium (dissolved) (µg/l)	Vanadium (total) (µg/l)	Vanadium (dissolved) (µg/l)	Bromate (µg/l)	Bromide (mg/l)	Chloride (mg/l)	Nitrogen as Nitrate (mg/l)	Sulfate (mg/l)	Alkalinity (total) (mg/l)	Specific Con-ductance (µmhos)	Post-purge Dissolved Oxygen (mg/l)
MW-8 continued												
2/1/2010	--	--	--	--	--	--	--	--	--	--	--	2.94

Table 2 1
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1156

Date Sampled	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
MW-1			
4/13/2009	0.75	-102	--
7/23/2009	2.47	-23	--
2/1/2010	1.18	-98	-108
8/2/2010	0.72	-82	-97
MW-1B			
11/1/2010	2.80	121	111
1/31/2011	2.57	152	159
MW-2			
4/13/2009	0.65	-27	-15
7/23/2009	2.57	56	14
2/1/2010	2.13	3	-14
8/2/2010	0.97	-7	-12
MW-2B			
11/1/2010	1.30	113	115
1/31/2011	1.25	159	159
MW-3			
4/13/2009	0.64	-89	-82
7/23/2009	5.14	-22	-56
2/1/2010	2.12	-63	-89
8/2/2010	0.81	-77	-59
MW-3B			
11/1/2010	1.89	125	117
1/31/2011	0.88	161	100

Table 2 1
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1156

Date Sampled	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
MW-4			
4/13/2009	0.51	-67	-46
7/23/2009	2.10	-28	-48
2/1/2010	1.67	-76	-70
8/2/2010	0.74	-94	-64
MW-4B			
11/1/2010	1.31	77	83
1/31/2011	3.13	151	145
MW-5			
4/13/2009	1.80	-21	-12
7/23/2009	1.54	136	144
2/1/2010	1.82	21	23
8/2/2010	1.78	171	44
1/31/2011	1.17	154	155
MW-6			
4/13/2009	0.80	-40	-32
MW-7			
4/13/2009	0.80	-21	-13
7/23/2009	1.35	165	165
2/1/2010	1.86	-33	-12
8/2/2010	1.24	133	41
1/31/2011	1.22	156	163
MW-8			
4/13/2009	2.56	-70	-48
7/23/2009	4.57	196	185

Table 2 1
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1156

Date Sampled	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
MW-8 continued			
2/1/2010	3.17	-17	-16