CONESTOGA-ROVERS & ASSOCIATES

19449 Riverside Drive, Suite 230
Sonoma, California 95476
Telephone: (707) 935-4850 Fax: (707) 935-6649
www.CRAworld.com

TRANSMITTAL

DATE: April 24, 2009

REFERENCE NO.: 240902(3)

PROJECT NAME: 230 W. MacArthur Blvd., Oakland, CA

TO: Jerry Wickham
Alameda County Health Care Services Agency
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 Report – First Quarter 2009

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

COMMENTS:
If you have any questions regarding the contents of this document, please call Dennis Baertschi at (707) 268-3813.

Copy to: Denis Brown, Shell Oil, 20945 S. Wilmington Ave., Carson, CA 90810

E-Copy to: SF Data Room

Completed by: Dennis Baertschi Signed: Dennis Baertschi

Filing: Correspondence File

Denis L. Brown
Shell Oil Products US
HSE – Environmental Services
20945 S. Wilmington Ave.
Carson, CA 90810-1039
Tel (707) 865 0251
Fax (707) 865 2542
Email denis.l.brown@shell.com

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

Re: Shell-branded Service Station
230 West MacArthur Boulevard
Oakland, California
SAP Code 135676
Incident No. 98995741
ACHCSA Case No. RO0000303

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
Project Manager

GROUNDWATER MONITORING REPORT – FIRST QUARTER 2009

SHELL-BRANDED SERVICE STATION
230 WEST MacARTHUR BOULEVARD
OAKLAND, CALIFORNIA

SAP CODE 135676
INCIDENT NO. 98995741
AGENCY NO. RO0000303

Prepared by:
Conestoga-Rovers & Associates

19449 Riverside Dr., Suite 230
Sonoma, CA
U.S.A. 95476

Office: (707) 935-4850
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web: http:\\www.CRAworld.com

APRIL 24, 2009
REF. NO. 240902 (3)
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LIST OF FIGURES
(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) in accordance with the quarterly reporting requirements of 23 CCR 2652d.

1.1 SITE INFORMATION

Site Address	230 W. MacArthur Blvd., Oakland, CA
Site Use	Shell-branded Service Station
Shell Project Manager	Denis Brown
CRA Project Manager	Dennis Baertschi
Lead Agency and Contact	ACHCSA, Jerry Wickham
Agency Case No.	RO0000303
Shell SAP Code	135676
Shell Incident No.	98995741

Date of most recent agency correspondence was August 14, 2007.

2.0 SITE ACTIVITIES AND FINDINGS

2.1 CURRENT QUARTER'S ACTIVITIES

Blaine Tech Services, Inc. (Blaine) gauged and sampled wells according to the established monitoring program for this site.

CRA prepared a vicinity map (Figure 1) and a groundwater contour and chemical concentration map (Figure 2). The Blaine report, presenting the analytical data, is included in Appendix A.

Groundwater sampling was coordinated with sampling at the adjacent Oakland Auto Works site located at 240 West MacArthur Boulevard. The report for this site, presenting groundwater elevations and laboratory analytical data, is included in Appendix B.

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Northwesterly
Hydraulic Gradient	0.01
Depth to Water	11.91 to 13.92 feet below top of well casing

2.3 PROPOSED ACTIVITIES FOR NEXT QUARTER

Blaine will gauge and sample wells during the third month of the quarter, according to the established monitoring program for this site, and CRA will prepare a report.

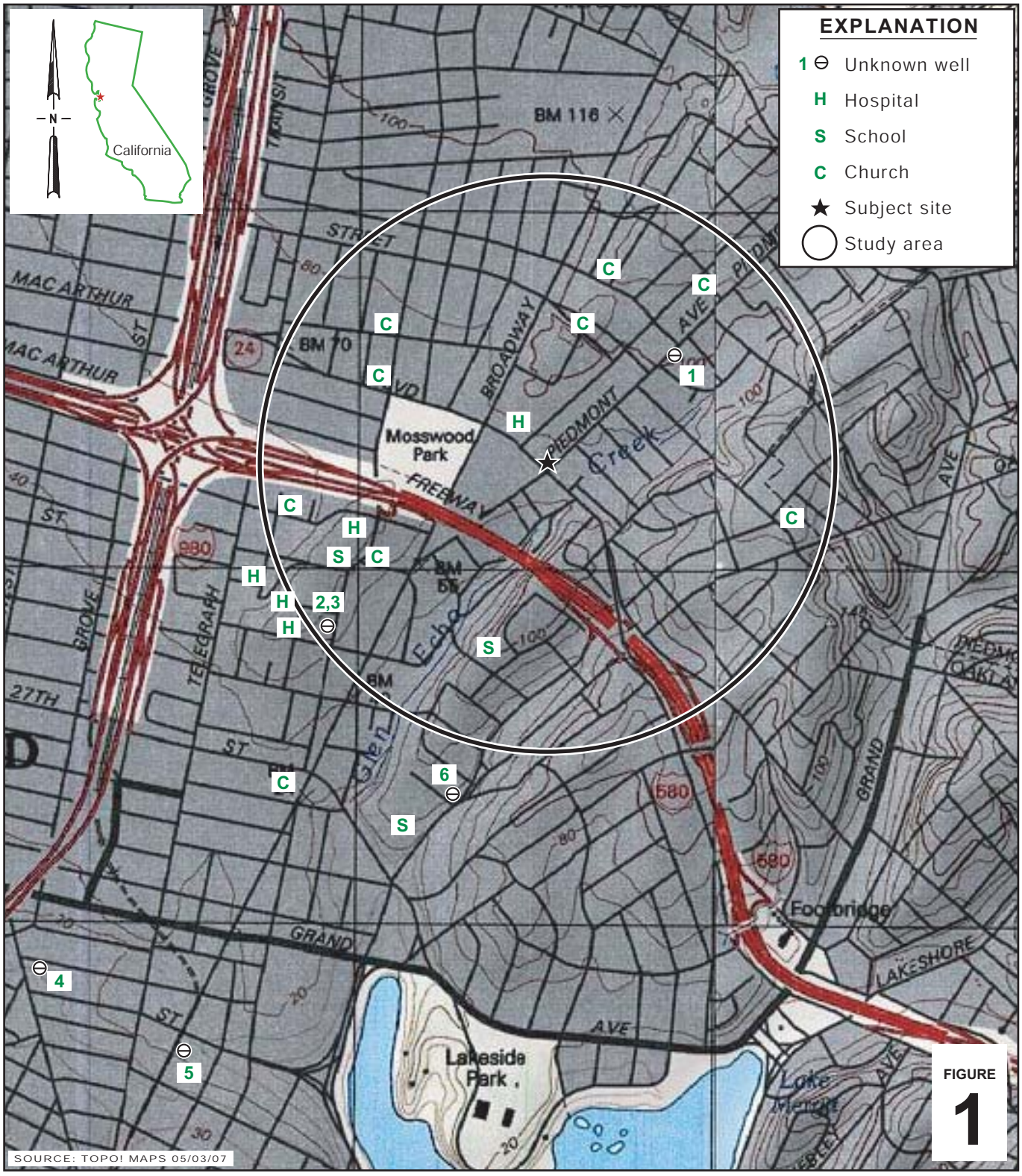
All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

Dennis Baertschi

Ana Friel, PG #6452

FIGURES

01/29/09



SOURCE: TOPO! MAPS 05/03/07

240902-F1.AI

FIGURE 1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

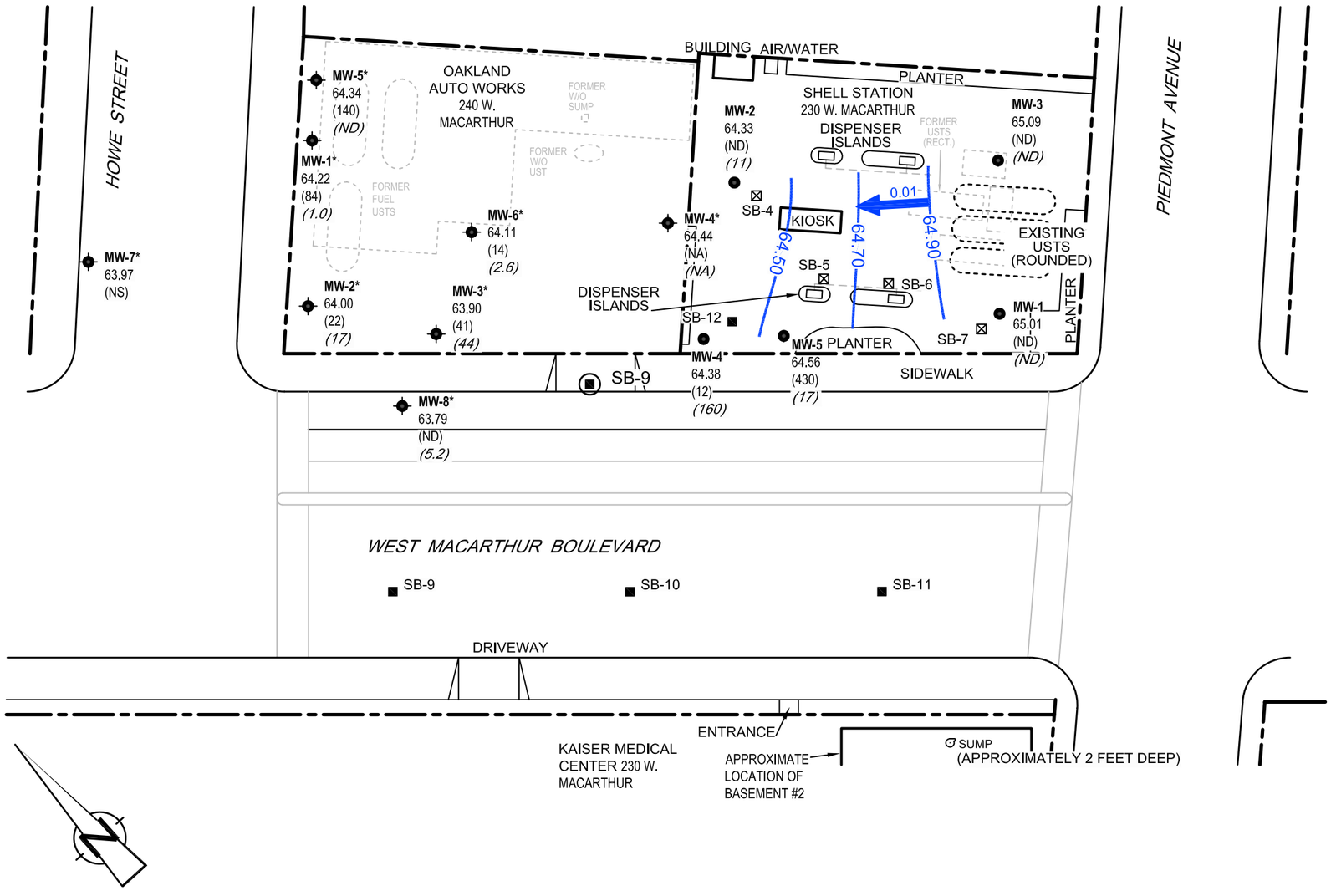
Shell-branded Service Station

230 West MacArthur Boulevard

Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map



LEGEND

- PROPOSED SOIL BORING LOCATION, UNCOMPLETED
- MONITORING WELL LOCATION (SHELL, 7/11-12/88)
- MONITORING WELL LOCATION (240 W. MACARTHUR)
- SOIL BORING LOCATION
- SOIL BORING LOCATION (4/4-6/06)
- 65.00 — GROUNDWATER ELEVATION (FT MSL)
- (ND) — BENZENE CONCENTRATION IN MICROGRAMS PER LITER (µG/L)
- *(0.30)* — MTBE CONCENTRATION IN µG/L
- —37.00— GROUNDWATER ELEVATION CONTOUR, IN FEET ABOVE MEAN SEA LEVEL (FT MSL)
- 0.004 — GROUNDWATER FLOW DIRECTION AND GRADIENT
- ND — NOT DETECTED
- NA — NOT ANALYZED
- NS — NOT SAMPLED

NOTES:

MW-1* THRU MW-8* MONITORING WELLS GAUGED ON A DIFFERENT DATE (MARCH 17, 2009) AND THEREFORE NOT USED IN CONTOURING.

BASEMENT LOCATIONS ARE APPROXIMATE AND BASED ON FIELD RECONNAISSANCE DONE BY CRA, AND ARE NOT BASED ON ANY ACTUAL AS-BUILT DRAWINGS FOR THE BUILDING.

SITE FEATURES FOR 240 W. MACARTHUR BASED ON FIGURE PROVIDED BY STELLAR ENVIRONMENTAL SOLUTIONS, INC.

figure 2

GROUNDWATER CONTOUR AND CHEMICAL CONCENTRATION MAP
FEBRUARY 25, 2009
SHELL-BRANDED SERVICE STATION
230 West MacArthur Boulevard, Oakland California

240902-2009(003)GN-SO001 APR 17/2009

APPENDIX A

BLAINE TECH SERVICES, INC. –
GROUNDWATER MONITORING REPORT

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

March 13, 2009

Denis Brown
Shell Oil Products US
20945 South Wilmington Avenue
Carson, CA 90810

First Quarter 2009 Groundwater Monitoring at
Shell-branded Service Station
230 West MacArthur Boulevard
Oakland, CA

Monitoring performed on February 25, 2009

Groundwater Monitoring Report **090225-MT-1**

This report covers the routine monitoring of groundwater wells at this Shell-branded facility. In accordance with standard procedures that conform to Regional Water Quality Control Board requirements, routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty-hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight-hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. Our activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrological conditions or formulation of recommendations was performed.

Please call if you have any questions.

Yours truly,

Mike Ninokata
Project Manager

MN/tm

attachments: Cumulative Table of WELL CONCENTRATIONS
Certified Analytical Report
Field Data Sheets

cc: Dennis Baertschi
Conestoga-Rovers & Associates
19449 Riverside Dr., Suite 230
Sonoma, CA 95476

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

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-1	7/14/1988	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	73.89	13.30	60.59
MW-1	10/4/1988	ND	8	4.3	ND	9	NA	NA	NA	NA	NA	NA	NA	NA	73.89	13.65	60.24
MW-1	11/10/1988	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	73.89	13.55	60.34
MW-1	12/9/1988	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	73.89	13.22	60.67
MW-1	1/10/1989	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	73.89	12.86	61.03
MW-1	1/20/1989	ND	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	73.89	12.91	60.98
MW-1	2/6/1989	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	73.89	12.94	60.95
MW-1	3/10/1989	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	73.89	12.59	61.30
MW-1	6/6/1989	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	73.89	14.05	59.84
MW-1	9/7/1989	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	73.89	14.92	58.97
MW-1	12/18/1989	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	73.89	14.88	59.01
MW-1	3/8/1990	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	73.89	14.08	59.81
MW-1	6/7/1990	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	73.89	13.89	60.00
MW-1	9/5/1990	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	73.89	14.83	59.06
MW-1	12/3/1990	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	73.89	15.05	58.84
MW-1	3/1/1991	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	73.89	14.34	59.55
MW-1	6/3/1991	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	73.89	14.16	59.73
MW-1	9/4/1991	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	73.89	14.60	59.29
MW-1	3/13/1992	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	73.89	13.40	60.49
MW-1	6/3/1992	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	73.89	13.76	60.13
MW-1	8/19/1992	87	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	73.89	14.57	59.32
MW-1	11/16/1992	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	73.89	14.78	59.11
MW-1	2/18/1993	59 a	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	73.89	12.14	61.75
MW-1	6/1/1993	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	73.89	13.30	60.59
MW-1	8/30/1993	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	73.89	14.32	59.57
MW-1	12/13/1993	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	73.89	14.06	59.83
MW-1	3/3/1994	100	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	73.89	13.12	60.77
MW-1	6/6/1994	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	73.89	14.20	59.69
MW-1	9/12/1994	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	73.89	15.72	58.17
MW-1	12/15/1994	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	73.89	12.98	60.91
MW-1	3/13/1995 b	60	4.7	9.8	ND	2.9	NA	NA	NA	NA	NA	NA	NA	NA	73.89	11.74	62.15
MW-1	4/21/1995	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	73.89	NA	NA
MW-1	6/26/1995	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	73.89	13.00	60.89
MW-1	9/12/1995	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	73.89	14.14	59.75
MW-1	3/21/1996	<50	<0.5	<0.5	<0.5	<0.5	ND	NA	NA	NA	NA	NA	NA	NA	73.89	11.03	62.86
MW-1	6/28/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	73.89	13.53	60.36
MW-1	9/19/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	73.89	14.33	59.56
MW-1	12/19/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	73.89	13.20	60.69

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

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-1	12/5/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	73.89	12.39	61.50
MW-1	12/24/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	73.89	13.59	60.30
MW-1	12/23/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	73.89	15.63	58.26
MW-1	12/11/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	73.89	15.36	58.53
MW-1	12/27/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	73.89	12.09	61.80
MW-1	3/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	73.89	12.33	61.56
MW-1	3/14/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	73.89	12.08	61.81
MW-1	6/13/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	73.89	13.47	60.42
MW-1	9/9/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	76.92	14.30	62.62
MW-1	12/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	76.92	14.48	62.44
MW-1	3/10/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	76.92	12.76	64.16
MW-1	6/10/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	76.92	13.17	63.75
MW-1	9/16/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	76.92	14.10	62.82
MW-1	12/3/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	76.92	13.93	62.99
MW-1	3/11/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	76.92	12.04	64.88
MW-1	6/17/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	76.92	13.75	63.17
MW-1	9/13/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	76.92	14.47	62.45
MW-1	12/7/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	76.92	13.04	63.88
MW-1	3/3/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	NA	NA	76.92	11.31	65.61
MW-1	6/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	76.92	11.87	65.05
MW-1	9/19/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	76.92	13.91	63.01
MW-1	3/30/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	NA	<0.500	<0.500	76.92	10.60	66.32
MW-1	9/27/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	76.92	14.06	62.86
MW-1	9/28/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<10.0	NA	NA	76.92	NA	NA
MW-1	12/26/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	76.92	13.05	63.87
MW-1	3/29/2007	<50	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	NA	NA	76.92	12.87	64.05
MW-1	6/7/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	76.92	15.53	61.39
MW-1	9/18/2007	<50 g	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	76.92	15.64	61.28
MW-1	12/17/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	76.92	15.15	61.77
MW-1	2/27/2008	<50 g	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	NA	NA	76.92	14.41	62.51
MW-1	5/28/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	76.92	14.40	62.52
MW-1	9/19/2008	59	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	76.92	14.74	62.18
MW-1	12/4/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	76.92	14.80	62.12
MW-1	**2/25/2009**	**<50**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**76.92**	**11.91**	**65.01**
MW-2	7/14/1988	ND	7.9	2.6	1.1	4	NA	NA	NA	NA	NA	NA	NA	NA	75.24	15.18	60.06
MW-2	10/4/1988	90	ND	1.3	2.3	12	NA	NA	NA	NA	NA	NA	NA	NA	75.24	15.30	59.94
MW-2	11/10/1988	ND	ND	ND	ND	2	NA	NA	NA	NA	NA	NA	NA	NA	75.24	15.17	60.07
MW-2	12/9/1988	ND	ND	0.6	ND	3	NA	NA	NA	NA	NA	NA	NA	NA	75.24	14.82	60.42

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

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-2	1/20/1989	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	75.24	14.54	60.70
MW-2	2/6/1989	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	75.24	14.59	60.65
MW-2	3/10/1989	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	75.24	14.88	60.36
MW-2	6/6/1989	ND	ND	0.5	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	75.24	15.30	59.94
MW-2	9/7/1989	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	75.24	16.76	58.48
MW-2	12/18/1989	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	75.24	16.65	58.59
MW-2	3/8/1990	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	75.24	15.92	59.32
MW-2	6/7/1990	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	75.24	16.10	59.14
MW-2	9/5/1990	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	75.24	16.61	58.63
MW-2	12/3/1990	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	75.24	17.06	58.18
MW-2	3/1/1991	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	75.24	16.62	58.62
MW-2	6/3/1991	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	75.24	16.65	58.59
MW-2	9/4/1991	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	75.24	16.57	58.67
MW-2	3/13/1992	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	75.24	14.66	60.58
MW-2	6/3/1992	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	75.24	15.90	59.34
MW-2	8/19/1992	67	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	75.24	16.72	58.52
MW-2	11/16/1992	50	ND	ND	ND	1.2	NA	NA	NA	NA	NA	NA	NA	NA	75.24	16.66	58.58
MW-2	2/18/1993	52 a	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	75.24	13.88	61.36
MW-2 (D)	2/18/1993	52 a	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	75.24	13.88	61.36
MW-2	6/1/1993	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	75.24	14.74	60.50
MW-2	8/30/1993	70 a	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	75.24	15.85	59.39
MW-2	12/13/1993	68 a	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	75.24	15.83	59.41
MW-2	3/3/1994	280 a	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	75.24	14.80	60.44
MW-2	6/6/1994	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	75.24	16.65	58.59
MW-2	9/12/1994	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	75.24	16.72	58.52
MW-2	12/15/1994	230 a	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	75.24	15.25	59.99
MW-2	3/13/1995	ND	2.9	6.3	ND	2.7	NA	NA	NA	NA	NA	NA	NA	NA	75.24	15.32	59.92
MW-2	4/21/1995	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	75.24	NA	NA
MW-2	6/26/1995	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	75.24	14.65	60.59
MW-2	9/12/1995	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	75.24	15.78	59.46
MW-2	3/21/1996	<50	<0.5	<0.5	<0.5	<0.5	ND	NA	NA	NA	NA	NA	NA	NA	75.24	12.72	62.52
MW-2	6/28/1996	<50	<0.5	<0.5	<0.5	<0.5	160	NA	NA	NA	NA	NA	NA	NA	75.24	14.95	60.29
MW-2	9/19/1996	<50	<0.5	<0.5	<0.5	<0.5	27	NA	NA	NA	NA	NA	NA	NA	75.24	15.64	59.60
MW-2	12/19/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	75.24	14.47	60.77
MW-2	12/5/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	75.24	14.22	61.02
MW-2	12/24/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	75.24	14.97	60.27
MW-2	12/23/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	75.24	16.07	59.17
MW-2	12/11/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	75.24	15.78	59.46
MW-2	12/27/2001	NA	NA	NA	NA	NA	NA	95	NA	NA	NA	NA	NA	NA	75.24	14.25	60.99

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MW-2	3/14/2002	120	<0.50	<0.50	<0.50	<0.50	NA	31	NA	NA	NA	NA	NA	NA	75.24	14.59	60.65
MW-2	6/13/2002	100	<0.50	<0.50	<0.50	<0.50	NA	32	NA	NA	NA	NA	NA	NA	75.24	14.58	60.66
MW-2	9/9/2002	90	<0.50	<0.50	<0.50	<0.50	NA	54	NA	NA	NA	NA	NA	NA	78.25	15.49	62.76
MW-2	12/12/2002	92	<0.50	<0.50	<0.50	<0.50	NA	21	NA	NA	NA	NA	NA	NA	78.25	16.21	62.04
MW-2	3/10/2003	110	<0.50	<0.50	<0.50	<0.50	NA	33	NA	NA	NA	NA	NA	NA	78.25	14.33	63.92
MW-2	6/10/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	49	NA	NA	NA	NA	NA	NA	78.25	14.48	63.77
MW-2	9/16/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	39	NA	NA	NA	NA	NA	NA	78.25	15.45	62.80
MW-2	12/3/2003	56 a	<0.50	<0.50	<0.50	<1.0	NA	3.6	NA	NA	NA	NA	NA	NA	78.25	15.60	62.65
MW-2	3/11/2004	58 a	<0.50	<0.50	<0.50	<1.0	NA	67	NA	NA	NA	NA	NA	NA	78.25	13.78	64.47
MW-2	6/17/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	40	NA	NA	NA	NA	NA	NA	78.25	14.87	63.38
MW-2	9/13/2004	68 d	<0.50	<0.50	<0.50	<1.0	NA	44	<2.0	<2.0	<2.0	<5.0	NA	NA	78.25	15.85	62.40
MW-2	12/7/2004	<50 e	<0.50	<0.50	<0.50	<1.0	NA	54	NA	NA	NA	NA	NA	NA	78.25	15.17	63.08
MW-2	3/3/2005	110 e	<0.50	<0.50	<0.50	<1.0	NA	82	NA	NA	NA	NA	NA	NA	78.25	13.38	64.87
MW-2	6/14/2005	<50 e	<0.50	<0.50	<0.50	<1.0	NA	29	NA	NA	NA	NA	NA	NA	78.25	13.95	64.30
MW-2	9/19/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	31	<2.0	<2.0	<2.0	5.6	NA	NA	78.25	14.78	63.47
MW-2	3/30/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	39.1	NA	NA	NA	NA	<0.500	<0.500	78.25	11.60	66.65
MW-2	9/27/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	78.25	15.42	62.83
MW-2	9/28/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	16.7	<0.500	<0.500	<0.500	<10.0	NA	NA	78.25	NA	NA
MW-2	12/26/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	78.25	14.60	63.65
MW-2	3/29/2007	<50	<0.50	<1.0	<1.0	<1.0	NA	13	NA	NA	NA	NA	NA	NA	78.25	14.28	63.97
MW-2	6/7/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	78.25	18.20	60.05
MW-2	9/18/2007	72 g	<0.50	<1.0	<1.0	<1.0	NA	1.3	<2.0	<2.0	<2.0	<10	NA	NA	78.25	19.70	58.55
MW-2	12/17/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	78.25	15.50	62.75
MW-2	2/27/2008	60 g	<0.50	<1.0	<1.0	<1.0	NA	18	NA	NA	NA	NA	NA	NA	78.25	18.12	60.13
MW-2	5/28/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	78.25	18.75	59.50
MW-2	9/19/2008	210	<0.50	<1.0	<1.0	<1.0	NA	15	<2.0	<2.0	<2.0	<10	NA	NA	78.25	17.35	60.90
MW-2	12/4/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	78.25	16.78	61.47
MW-2	**2/25/2009**	**120**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**11**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**78.25**	**13.92**	**64.33**
MW-3	7/14/1988	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	74.68	14.05	60.63
MW-3	10/4/1988	ND	ND	ND	ND	5	NA	NA	NA	NA	NA	NA	NA	NA	74.68	14.60	60.08
MW-3	11/10/1988	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	74.68	14.35	60.33
MW-3	12/9/1988	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	74.68	14.04	60.64
MW-3	1/10/1989	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	74.68	13.70	60.98
MW-3	1/20/1989	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	74.68	13.72	60.96
MW-3	2/6/1989	70	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	74.68	13.75	60.93
MW-3	3/10/1989	150	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	74.68	13.42	61.26
MW-3	6/6/1989	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	74.68	14.52	60.16
MW-3	9/7/1989	ND	0.65	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	74.68	15.52	59.16

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MW-3	12/18/1989	46	1.3	ND	0.44	0.66	NA	NA	NA	NA	NA	NA	NA	NA	74.68	19.59	55.09
MW-3	3/8/1990	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	74.68	14.72	59.96
MW-3	6/7/1990	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	74.68	14.65	60.03
MW-3	9/5/1990	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	74.68	15.51	59.17
MW-3	12/3/1990	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	74.68	14.85	59.83
MW-3	3/1/1991	1.9	59	ND	22	ND	NA	NA	NA	NA	NA	NA	NA	NA	74.68	14.92	59.76
MW-3	6/3/1991	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	74.68	14.75	59.93
MW-3	9/4/1991	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	74.68	15.14	59.54
MW-3	3/13/1992	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	74.68	13.50	61.18
MW-3	6/3/1992	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	74.68	14.39	60.29
MW-3	8/19/1992	92	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	74.68	15.08	59.60
MW-3 (D)	8/19/1992	76	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	74.68	15.08	59.60
MW-3	11/16/1992	200 a	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	74.68	15.43	59.25
MW-3 (D)	11/16/1992	140 a	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	74.68	15.43	59.25
MW-3	2/18/1993	680 a	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	74.68	12.96	61.72
MW-3	6/1/1993	160 a	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	74.68	13.98	60.70
MW-3 (D)	6/1/1993	150 a	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	74.68	13.98	60.70
MW-3	8/30/1993	110 a	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	74.68	14.82	59.86
MW-3	12/13/1993	140 a	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	74.68	14.70	59.98
MW-3 (D)	12/13/1993	110 a	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	74.68	14.70	59.98
MW-3	3/3/1994	61 a	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	74.68	13.92	60.76
MW-3	6/6/1994	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	74.68	14.73	59.95
MW-3	9/12/1994	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	74.68	15.42	59.26
MW-3	12/15/1994	ND	ND	0.9	ND	0.6	NA	NA	NA	NA	NA	NA	NA	NA	74.68	13.80	60.88
MW-3	3/13/1995	100 a	7.9	17	0.7	6.1	NA	NA	NA	NA	NA	NA	NA	NA	74.68	12.41	62.27
MW-3	4/21/1995	60	0.9	1.1	ND	1	NA	NA	NA	NA	NA	NA	NA	NA	74.68	NA	NA
MW-3	6/26/1995	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	74.68	13.79	60.89
MW-3	09/12/1995 b	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	74.68	14.77	59.91
MW-3	3/21/1996	<50	<0.5	<0.5	<0.5	<0.5	17	NA	NA	NA	NA	NA	NA	NA	74.68	11.80	62.88
MW-3	6/28/1996	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	74.68	14.19	60.49
MW-3	9/19/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	74.68	14.85	59.83
MW-3	12/19/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	74.68	13.61	61.07
MW-3	12/5/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	74.68	13.16	61.52
MW-3	12/24/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	74.68	14.08	60.60
MW-3	12/23/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	74.68	15.92	58.76
MW-3	12/11/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	74.68	15.31	59.37
MW-3	12/27/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	74.68	12.84	61.84
MW-3	3/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	74.68	12.54	62.14
MW-3	3/14/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	40	NA	NA	NA	NA	NA	NA	74.68	12.78	61.90

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MW-3	6/13/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	74.68	14.06	60.62
MW-3	9/9/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	77.69	14.77	62.92
MW-3	12/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	77.69	15.11	62.58
MW-3	3/10/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	5.4	NA	NA	NA	NA	NA	NA	77.69	13.52	64.17
MW-3	6/10/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	77.69	13.82	63.87
MW-3	9/16/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	77.69	14.60	63.09
MW-3	12/3/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	77.69	14.53	63.16
MW-3	3/11/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	3.5	NA	NA	NA	NA	NA	NA	77.69	12.38	65.31
MW-3	6/17/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	77.69	14.28	63.41
MW-3	9/13/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	77.69	14.78	62.91
MW-3	12/7/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	77.69	13.77	63.92
MW-3	3/3/2005	120	1.3	<0.50	<0.50	2.7	NA	2.3	<2.0	<2.0	<2.0	37	NA	NA	77.69	11.84	65.85
MW-3	6/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	77.69	12.29	65.40
MW-3	9/19/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	77.69	14.33	63.36
MW-3	3/30/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	1.72	NA	NA	NA	NA	<0.500	<0.500	77.69	10.30	67.39
MW-3	9/27/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	77.69	14.62	63.07
MW-3	9/28/2006	610	<0.500	<0.500	<0.500	<0.500	NA	2.83	<0.500	<0.500	<0.500	<10.0	NA	NA	77.69	NA	NA
MW-3	12/26/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	77.69	13.82	63.87
MW-3	3/29/2007	<50	<0.50	<1.0	<1.0	<1.0	NA	0.78 f	NA	NA	NA	NA	NA	NA	77.69	13.55	64.14
MW-3	6/7/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	77.69	16.38	61.31
MW-3	9/18/2007	<50 g	<0.50	<1.0	<1.0	<1.0	NA	1.1	<2.0	<2.0	<2.0	<10	NA	NA	77.69	16.24	61.45
MW-3	12/17/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	77.69	19.24	58.45
MW-3	2/27/2008	<50 g	<0.50	<1.0	<1.0	<1.0	NA	1.4	NA	NA	NA	NA	NA	NA	77.69	14.65	63.04
MW-3	5/28/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	77.69	15.33	62.36
MW-3	9/19/2008	100	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	77.69	15.53	62.16
MW-3	12/4/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	77.69	15.38	62.31
MW-3	**2/25/2009**	**88**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**77.69**	**12.60**	**65.09**
MW-4	1/23/1990	1,600	100	10	30	20	NA	NA	NA	NA	NA	NA	NA	NA	73.83	14.68	59.15
MW-4	3/8/1990	4,200	260	18	88	39	NA	NA	NA	NA	NA	NA	NA	NA	73.83	14.38	59.45
MW-4	6/7/1990	2,000	150	6.9	14	17	NA	NA	NA	NA	NA	NA	NA	NA	73.83	14.27	59.56
MW-4	9/5/1990	1,700	130	10	7.2	19	NA	NA	NA	NA	NA	NA	NA	NA	73.83	15.40	58.43
MW-4	12/3/1990	2,600	108	41	17	59	NA	NA	NA	NA	NA	NA	NA	NA	73.83	15.90	57.93
MW-4	6/3/1991	2,800	160	15	8.8	32	NA	NA	NA	NA	NA	NA	NA	NA	73.83	14.60	59.23
MW-4	9/4/1991	Sheen	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	73.83	15.25	58.58
MW-4	3/13/1992	2,700	180	70	5.9	29	NA	NA	NA	NA	NA	NA	NA	NA	73.83	12.72	61.11
MW-4	6/3/1992	1,700	190	ND	30	23	NA	NA	NA	NA	NA	NA	NA	NA	73.83	14.33	59.50
MW-4	8/19/1992	170	4.2	ND	0.6	1	NA	NA	NA	NA	NA	NA	NA	NA	73.83	15.18	58.65
MW-4	11/16/1992	2,600	92	49	50	81	NA	NA	NA	NA	NA	NA	NA	NA	73.83	15.39	58.44

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230 West MacArthur Boulevard
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-4	2/18/1993	7,400	120	38	51	87	NA	NA	NA	NA	NA	NA	NA	NA	73.83	12.62	61.21
MW-4	6/1/1993	7,000	1,800	1,700	1,600	1,700	NA	NA	NA	NA	NA	NA	NA	NA	73.83	13.68	60.15
MW-4	8/30/1993	2,100	80	11	ND	11	NA	NA	NA	NA	NA	NA	NA	NA	73.83	14.83	59.00
MW-4 (D)	8/30/1993	2,100	77	5.6	ND	5.5	NA	NA	NA	NA	NA	NA	NA	NA	73.83	14.83	59.00
MW-4	12/13/1993	2,000 a	20	ND	21	52	NA	NA	NA	NA	NA	NA	NA	NA	73.83	14.50	59.33
MW-4	3/3/1994	3,500	150	86	85	90	NA	NA	NA	NA	NA	NA	NA	NA	73.83	13.48	60.35
MW-4 (D)	3/3/1994	3,200	130	73	74	76	NA	NA	NA	NA	NA	NA	NA	NA	73.83	13.48	60.35
MW-4	6/6/1994	590	25	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	73.83	14.26	59.57
MW-4 (D)	6/6/1994	400	16	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	73.83	14.26	59.57
MW-4	9/12/1994	1,800	42	ND	3.7	4.7	NA	NA	NA	NA	NA	NA	NA	NA	73.83	15.42	58.41
MW-4 (D)	9/12/1994	2,000	40	ND	5.7	8	NA	NA	NA	NA	NA	NA	NA	NA	73.83	15.42	58.41
MW-4	12/15/1994	2,900	78	14	94	17	NA	NA	NA	NA	NA	NA	NA	NA	73.83	13.43	60.40
MW-4 (D)	12/15/1994	2,900	90	7	96	18	NA	NA	NA	NA	NA	NA	NA	NA	73.83	13.43	60.40
MW-4	3/13/1995	2,700	240	24	99	34	NA	NA	NA	NA	NA	NA	NA	NA	73.83	12.13	61.70
MW-4 (D)	3/13/1995	2,500	300	24	140	28	NA	NA	NA	NA	NA	NA	NA	NA	73.83	12.13	61.70
MW-4	6/25/1995	2,100	87	10	67	25	NA	NA	NA	NA	NA	NA	NA	NA	73.83	13.26	60.57
MW-4 (D)	6/25/1995	2,300	92	12	74	26	NA	NA	NA	NA	NA	NA	NA	NA	73.83	13.26	60.57
MW-4	09/12/1995 b	1,300	33	13	9.3	15	NA	NA	NA	NA	NA	NA	NA	NA	73.83	14.64	59.19
MW-4 (D)	09/12/1995 b	1,500	2.1	16	11	17	NA	NA	NA	NA	NA	NA	NA	NA	73.83	14.64	59.19
MW-4	3/21/1996	2,100	50	3.2	40	5.4	ND	NA	NA	NA	NA	NA	NA	NA	73.83	11.55	62.28
MW-4 (D)	3/21/1996	1,700	24	<0.5	39	7.2	740	NA	NA	NA	NA	NA	NA	NA	73.83	11.55	62.28
MW-4	6/28/1996	1,300	61	6.2	53	11	1,000	NA	NA	NA	NA	NA	NA	NA	73.83	13.86	59.97
MW-4 (D)	6/28/1996	1,200	29	6.2	50	8.3	1,000	NA	NA	NA	NA	NA	NA	NA	73.83	13.86	59.97
MW-4	9/19/1996	820	12	<2.5	2.8	4.3	720	NA	NA	NA	NA	NA	NA	NA	73.83	14.72	59.11
MW-4 (D)	9/19/1996	580	9.6	<2.5	<2.5	<2.5	760	1,200	NA	NA	NA	NA	NA	NA	73.83	14.72	59.11
MW-4	12/19/1996	1,200	28	<5.0	<5.0	<5.0	<25	NA	NA	NA	NA	NA	NA	NA	73.83	13.06	60.77
MW-4	12/5/1997	1,900	36	9	16	18	630	NA	NA	NA	NA	NA	NA	NA	73.83	12.89	60.94
MW-4	12/24/1998	1,100	23	5.3	38	7.9	1,100	NA	NA	NA	NA	NA	NA	NA	73.83	13.92	59.91
MW-4	12/17/1999	1,100	22	21	13	11	3,800	3,200	NA	NA	NA	NA	NA	NA	73.83	14.28	59.55
MW-4	12/23/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	73.83	16.24	57.59
MW-4	12/11/2000	975	25.0	11.3	<5.00	<5.00	1,960	1,730 c	NA	NA	NA	NA	NA	NA	73.83	14.15	59.68
MW-4	12/27/2001	2,000	9.9	<5.0	18	<5.0	NA	1,400	NA	NA	NA	NA	NA	NA	73.83	12.61	61.22
MW-4	3/14/2002	1,700	6.6	<2.0	2.1	2.1	NA	1,100	NA	NA	NA	NA	NA	NA	73.83	12.35	61.48
MW-4	6/13/2002	1,200	4.7	<2.0	<2.0	<2.0	NA	1,100	NA	NA	NA	NA	NA	NA	73.83	13.72	60.11
MW-4	9/9/2002	620	3.7	<2.0	<2.0	<2.0	NA	760	NA	NA	NA	NA	NA	NA	76.82	14.56	62.26
MW-4	12/12/2002	1,500	3.9	<2.0	<2.0	<2.0	NA	880	NA	NA	NA	NA	NA	NA	76.82	14.82	62.00
MW-4	3/10/2003	2,300	5.7	0.95	3.8	0.63	NA	1,200	NA	NA	NA	NA	NA	NA	76.82	13.63	63.19
MW-4	6/10/2003	2,200	5.3	<5.0	<5.0	<10	NA	880	NA	NA	NA	NA	NA	NA	76.82	13.68	63.14
MW-4	9/16/2003	1,400	<5.0	<5.0	<5.0	<10	NA	420	NA	NA	NA	NA	NA	NA	76.82	14.35	62.47

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

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-4	12/3/2003	2,600	5.0	<5.0	<5.0	<10	NA	840	NA	NA	NA	NA	NA	NA	76.82	14.27	62.55
MW-4	3/11/2004	1,900 a	6.3	<5.0	<5.0	<10	NA	800	NA	NA	NA	NA	NA	NA	76.82	12.62	64.20
MW-4	6/17/2004	1,000	7.4	<2.5	<2.5	<5.0	NA	460	NA	NA	NA	NA	NA	NA	76.82	13.90	62.92
MW-4	9/13/2004	1,100	4.6	<2.5	<2.5	<5.0	NA	300	<10	<10	<10	160	NA	NA	76.82	14.67	62.15
MW-4	12/7/2004	2,200	4.6	<2.5	<2.5	<5.0	NA	430	NA	NA	NA	NA	NA	NA	76.82	13.92	62.90
MW-4	3/3/2005	2,500	5.3	<2.5	<2.5	<5.0	NA	620	NA	NA	NA	NA	NA	NA	76.82	11.75	65.07
MW-4	6/14/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	51	NA	NA	NA	NA	NA	NA	76.82	12.20	64.62
MW-4	9/19/2005	1,200	2.7	<0.50	<0.50	<1.0	NA	140	8.4	<2.0	<2.0	280	NA	NA	76.82	14.08	62.74
MW-4	3/30/2006	2,740	2.01	<0.500	<0.500	<0.500	NA	222	NA	NA	NA	NA	<0.500	<0.500	76.82	10.25	66.57
MW-4	9/27/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	76.82	14.18	62.64
MW-4	9/28/2006	1,660	0.950	<0.500	<0.500	<0.500	NA	73.3	6.92	<0.500	<0.500	77.0	NA	NA	76.82	NA	NA
MW-4	12/26/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	76.82	13.25	63.57
MW-4	3/29/2007	2,100	12	0.49 f	<1.0	0.21 f	NA	150	NA	NA	NA	NA	NA	NA	76.82	13.18	63.64
MW-4	6/7/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	76.82	18.01	58.81
MW-4	9/18/2007	330 g	1.7	<1.0	<1.0	<1.0	NA	9.2	0.86 f	<2.0	<2.0	<10	NA	NA	76.82	18.80	58.02
MW-4	12/17/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	76.82	18.50	58.32
MW-4	2/27/2008	210 g	0.61	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	NA	NA	76.82	17.85	58.97
MW-4	5/28/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	76.82	18.26	58.56
MW-4	9/19/2008	200	4.5	<1.0	<1.0	1.3	NA	8.9	<2.0	<2.0	<2.0	<10	NA	NA	76.82	16.16	60.66
MW-4	12/4/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	76.82	15.67	61.15
MW-4	**2/25/2009**	**1,700**	**12**	**<2.0**	**4.2**	**<2.0**	**NA**	**160**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**76.82**	**12.44**	**64.38**
MW-5	9/22/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	76.97	14.21	62.76
MW-5	9/27/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	76.97	14.35	62.62
MW-5	9/28/2006	10,800	36.6	2.08	119	9.04	NA	15.1	3.61	<0.500	<0.500	<10.0	NA	NA	76.97	NA	NA
MW-5	12/26/2006	5,000	150	5.2	70	16	NA	35	NA	NA	NA	NA	NA	NA	76.97	13.32	63.65
MW-5	3/29/2007	7,700	320	10	77	19.0 f	NA	32	NA	NA	NA	NA	NA	NA	76.97	13.22	63.75
MW-5	6/7/2007	7,600	47	4.6	71	13.7	NA	40	NA	NA	NA	NA	NA	NA	76.97	17.88	59.09
MW-5	9/18/2007	4,300 g	7.0	1.1	20	1.93 f	NA	21	0.82 f	<2.0	<2.0	15	NA	NA	76.97	19.00	57.97
MW-5	12/17/2007	6,900 g	58.0	9.9	410	15.8	NA	<5.0	NA	NA	NA	NA	NA	NA	76.97	18.25	58.72
MW-5	2/27/2008	6,500 g	100	13	510	32.1	NA	26	NA	NA	NA	NA	NA	NA	76.97	17.32	59.65
MW-5	5/28/2008	3,200	66	5.7	140	6.7	NA	46	NA	NA	NA	NA	NA	NA	76.97	17.94	59.03
MW-5	9/19/2008	3,200	110	6.3	110	12.0	NA	<1.0	7.0	<2.0	<2.0	10	NA	NA	76.97	16.32	60.65
MW-5	12/4/2008	5,900	250	14	220	28.3	NA	<2.0	NA	NA	NA	NA	NA	NA	76.97	15.80	61.17
MW-5	**2/25/2009**	**7,400**	**430**	**28**	**240**	**73**	**NA**	**17**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**76.97**	**12.41**	**64.56**

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

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)

Abbreviations:
TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to December 27, 2001, by EPA Method 8015.
BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to December 27, 2001, by EPA Method 8020.
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether, analyzed by EPA Method 8260B
ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260B
TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260B
TBA = Tertiary butyl alcohol, analyzed by EPA Method 8260B
1,2-DCA = 1,2-Dichloroethane, analyzed by EPA Method 8260B
EDB = 1,2-Dibromoethane or Ethylene Dibromide, analyzed by EPA Method 8260B
TOC = Top of Casing Elevation
GW = Groundwater
ug/L = Parts per billion
MSL = Mean sea level
ft. = Feet
<n = Below detection limit
(D) = Duplicate sample
ND = Not detected at or above the quantitative limit.
NA = Not applicable

Notes:
a = Chromatogram pattern indicates the presence of an unidentified hydrocarbon/Hydrocarbon does not match pattern of laboratory's standard.
b = The laboratory noted the sample was analyzed after the method specified holding time.
c = This sample was analyzed outside of EPA recommended hold time.
d = Sample contains discrete peak in gasoline range.
e = The concentration reported reflects individual or discrete unidentified peaks not matching a typical fuel pattern.
f = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
g = Analyzed by EPA Method 8015B (M).
Site surveyed January 30, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.
Well MW-5 surveyed on May 10, 2006 by Virgil Chavez Land Surveying of Vallejo, CA.

Calscience Environmental Laboratories, Inc.

March 11, 2009

Michael Ninokata
Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Subject: **Calscience Work Order No.: 09-02-2432**
Client Reference: 230 W. MacArthur Blvd., Oakland, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 2/27/2009 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Philip Hamelle for

Calscience Environmental
Laboratories, Inc.
Jessie Kim
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	02/27/09
1680 Rogers Avenue		Work Order No:	09-02-2432
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	ug/L

Project: 230 W. MacArthur Blvd., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1	**09-02-2432-1-A**	**02/25/09 10:24**	**Aqueous**	**GC/MS W**	**03/08/09**	**03/08/09 15:24**	**090308L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	120	74-140			1,2-Dichloroethane-d4	121	74-146		
Toluene-d8	103	88-112			Toluene-d8-TPPH	103	88-112		
1,4-Bromofluorobenzene	94	74-110							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-2	**09-02-2432-2-A**	**02/25/09 10:48**	**Aqueous**	**GC/MS W**	**03/08/09**	**03/08/09 16:56**	**090308L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	11	1.0	1	
Toluene	ND	1.0	1		TPPH	120	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	118	74-140			1,2-Dichloroethane-d4	116	74-146		
Toluene-d8	105	88-112			Toluene-d8-TPPH	104	88-112		
1,4-Bromofluorobenzene	94	74-110							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-3	**09-02-2432-3-A**	**02/25/09 09:59**	**Aqueous**	**GC/MS W**	**03/08/09**	**03/08/09 17:26**	**090308L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Toluene	ND	1.0	1		TPPH	88	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	120	74-140			1,2-Dichloroethane-d4	124	74-146		
Toluene-d8	104	88-112			Toluene-d8-TPPH	105	88-112		
1,4-Bromofluorobenzene	94	74-110							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	02/27/09
1680 Rogers Avenue		Work Order No:	09-02-2432
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	ug/L

Project: 230 W. MacArthur Blvd., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-4	**09-02-2432-4-B**	**02/25/09 11:10**	**Aqueous**	**GC/MS W**	**03/10/09**	**03/10/09 18:22**	**090310L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	12	1.0	2		Xylenes (total)	ND	2.0	2	
Ethylbenzene	4.2	2.0	2		Methyl-t-Butyl Ether (MTBE)	160	2.0	2	
Toluene	ND	2.0	2		TPPH	1700	100	2	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	112	74-140			1,2-Dichloroethane-d4	114	74-146		
Toluene-d8	112	88-112			Toluene-d8-TPPH	112	88-112		
1,4-Bromofluorobenzene	99	74-110							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-5	**09-02-2432-5-B**	**02/25/09 11:30**	**Aqueous**	**GC/MS W**	**03/10/09**	**03/10/09 18:53**	**090310L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	430	5.0	10		Xylenes (total)	73	10	10	
Ethylbenzene	240	10	10		Methyl-t-Butyl Ether (MTBE)	17	10	10	
Toluene	28	10	10		TPPH	7400	500	10	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	106	74-140			1,2-Dichloroethane-d4	106	74-146		
Toluene-d8	110	88-112			Toluene-d8-TPPH	109	88-112		
1,4-Bromofluorobenzene	100	74-110							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-767-1,279**	**N/A**	**Aqueous**	**GC/MS W**	**03/08/09**	**03/08/09 14:54**	**090308L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	120	74-140			1,2-Dichloroethane-d4	123	74-146		
Toluene-d8	103	88-112			Toluene-d8-TPPH	103	88-112		
1,4-Bromofluorobenzene	93	74-110							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	02/27/09
1680 Rogers Avenue		Work Order No:	09-02-2432
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	ug/L

Project: 230 W. MacArthur Blvd., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-767-1,282**	**N/A**	**Aqueous**	**GC/MS W**	**03/10/09**	**03/10/09 15:50**	**090310L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	118	74-140			1,2-Dichloroethane-d4	118	74-146		
Toluene-d8	103	88-112			Toluene-d8-TPPH	103	88-112		
1,4-Bromofluorobenzene	92	74-110							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 02/27/09
Work Order No: 09-02-2432
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 230 W. MacArthur Blvd., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-1	**Aqueous**	**GC/MS W**	**03/08/09**	**03/08/09**	**090308S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	106	103	88-118	2	0-7	
Carbon Tetrachloride	101	100	67-145	1	0-11	
Chlorobenzene	104	103	88-118	1	0-7	
1,2-Dibromoethane	103	104	70-130	1	0-30	
1,2-Dichlorobenzene	98	102	86-116	4	0-8	
1,1-Dichloroethene	99	97	70-130	2	0-25	
Ethylbenzene	103	104	70-130	0	0-30	
Toluene	106	104	87-123	2	0-8	
Trichloroethene	101	99	79-127	1	0-10	
Vinyl Chloride	90	84	69-129	6	0-13	
Methyl-t-Butyl Ether (MTBE)	87	88	71-131	1	0-13	
Tert-Butyl Alcohol (TBA)	103	96	36-168	7	0-45	
Diisopropyl Ether (DIPE)	88	87	81-123	1	0-9	
Ethyl-t-Butyl Ether (ETBE)	83	85	72-126	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	93	93	72-126	0	0-12	
Ethanol	121	107	53-149	12	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

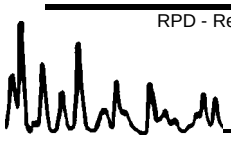
Date Received: 02/27/09
Work Order No: 09-02-2432
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 230 W. MacArthur Blvd., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-02-2434-3	**Aqueous**	**GC/MS W**	**03/10/09**	**03/10/09**	**090310S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	104	103	88-118	1	0-7	
Carbon Tetrachloride	96	99	67-145	3	0-11	
Chlorobenzene	101	100	88-118	1	0-7	
1,2-Dibromoethane	104	100	70-130	4	0-30	
1,2-Dichlorobenzene	97	97	86-116	1	0-8	
1,1-Dichloroethene	96	98	70-130	2	0-25	
Ethylbenzene	102	100	70-130	2	0-30	
Toluene	105	104	87-123	1	0-8	
Trichloroethene	103	102	79-127	1	0-10	
Vinyl Chloride	84	89	69-129	6	0-13	
Methyl-t-Butyl Ether (MTBE)	87	89	71-131	3	0-13	
Tert-Butyl Alcohol (TBA)	94	97	36-168	3	0-45	
Diisopropyl Ether (DIPE)	84	86	81-123	2	0-9	
Ethyl-t-Butyl Ether (ETBE)	82	83	72-126	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	95	94	72-126	1	0-12	
Ethanol	114	109	53-149	4	0-31	

RPD - Relative Percent Difference , CL - Control Limit



Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: N/A
Work Order No: 09-02-2432
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 230 W. MacArthur Blvd., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-1,279	**Aqueous**	**GC/MS W**	**03/08/09**	**03/08/09**	**090308L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	101	99	84-120	78-126	2	0-8	
Carbon Tetrachloride	96	95	63-147	49-161	0	0-10	
Chlorobenzene	101	100	89-119	84-124	1	0-7	
1,2-Dibromoethane	103	101	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	99	100	89-119	84-124	1	0-9	
1,1-Dichloroethene	93	93	77-125	69-133	0	0-16	
Ethylbenzene	102	100	80-120	73-127	1	0-20	
Toluene	102	101	83-125	76-132	1	0-9	
Trichloroethene	100	99	89-119	84-124	1	0-8	
Vinyl Chloride	86	85	63-135	51-147	2	0-13	
Methyl-t-Butyl Ether (MTBE)	86	86	82-118	76-124	1	0-13	
Tert-Butyl Alcohol (TBA)	96	94	46-154	28-172	2	0-32	
Diisopropyl Ether (DIPE)	84	84	81-123	74-130	0	0-11	
Ethyl-t-Butyl Ether (ETBE)	82	82	74-122	66-130	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	91	91	76-124	68-132	0	0-10	
Ethanol	113	109	60-138	47-151	4	0-32	
TPPH	94	96	65-135	53-147	2	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: N/A
Work Order No: 09-02-2432
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 230 W. MacArthur Blvd., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-1,282	**Aqueous**	**GC/MS W**	**03/10/09**	**03/10/09**	**090310L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	98	105	84-120	78-126	7	0-8	
Carbon Tetrachloride	94	104	63-147	49-161	10	0-10	
Chlorobenzene	95	100	89-119	84-124	5	0-7	
1,2-Dibromoethane	99	101	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	92	95	89-119	84-124	3	0-9	
1,1-Dichloroethene	94	103	77-125	69-133	9	0-16	
Ethylbenzene	96	103	80-120	73-127	7	0-20	
Toluene	99	105	83-125	76-132	5	0-9	
Trichloroethene	96	106	89-119	84-124	9	0-8	X
Vinyl Chloride	95	99	63-135	51-147	4	0-13	
Methyl-t-Butyl Ether (MTBE)	83	83	82-118	76-124	0	0-13	
Tert-Butyl Alcohol (TBA)	91	91	46-154	28-172	0	0-32	
Diisopropyl Ether (DIPE)	80	82	81-123	74-130	2	0-11	ME
Ethyl-t-Butyl Ether (ETBE)	78	80	74-122	66-130	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	88	88	76-124	68-132	0	0-10	
Ethanol	92	104	60-138	47-151	12	0-32	
TPPH	100	109	65-135	53-147	9	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 1
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 09-02-2432

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name: Denis Brown
PO #:
INCIDENT # (ENV SERVICES): 9 8 9 9 5 7 4 1
SAP #:
☐ CHECK IF NO INCIDENT # APPLIES
DATE: 02-25-09
PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services
LOG CODE: BTSS
SITE ADDRESS: Street and City: 230 W. MacArthur Blvd., Oakland
State: CA
GLOBAL ID NO.: T0600101240
ADDRESS: 1680 Rogers Ave, San Jose, CA 95112
EDF DELIVERABLE TO (Name, Company, Office Location): Dennis Baertschi, CRA, Sonoma Office
PHONE NO.: (707) 268-3813
E-MAIL: sonomaedf@craworld.com
CONSULTANT PROJECT NO.: 090225-MT1
BTS #:
PROJECT CONTACT (Hardcopy or PDF Report to): Michael Ninokata
TELEPHONE: (408)573-0555
FAX: (408)573-7771
E-MAIL: mninokata@blainetech.com
SAMPLER NAME(S) (Print): M. Todi
LAB USE ONLY: 09-02-2432

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

Run TPH-d w/Silica Gel Clean Up

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	Container PID Readings or Laboratory Notes
1	MW-1	02-25-09	1024	W	3					3	X		X		X									
2	MW-2	"	1048	"	"					"	X		X		X									
3	MW-3	"	959	"	"					"	X		X		X									
4	MW-4	"	1110	"	"					"	X		X		X									
5	MW-5	"	1130	"	"					"	X		X		X									

TEMPERATURE ON RECEIP C°

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
		02-25-09	
(Sandra Custodian) CO	CEL	2-26-09	1155
CEL 2-26-09 1730	prep R. CEL	02/27/09	10:30

S113 57163

05/2/06 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-02-2432

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Blaine Tech

DATE: 02/27/09

TEMPERATURE: (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 2.1 °C - 0.2 °C (CF) = 1.9 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by:_____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only **Initial:** NC

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A **Initial:** NC

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Initial:** jh

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	☑	☐	☐
COC document(s) received complete.....	☑	☐	☐
Sampler's name indicated on COC.....	☑	☐	☐
Sample container label(s) consistent with COC.....	☑	☐	☐
Sample container(s) intact and good condition.....	☑	☐	☐
Correct containers and volume for analyses requested.....	☑	☐	☐
Analyses received within holding time.....	☑	☐	☐
Proper preservation noted on COC or sample container.....	☑	☐	☐
Volatile analysis container(s) free of headspace.....	☑	☐	☐
Tedlar bag(s) free of condensation.....	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☑VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBpo_4 ☐1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☐500AGBs ☐250CGB ☐250CGBs ☐1PB ☐500PB ☐500PBna ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PBsterile ☐100PBna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® ☐_____

Checked/Labeled by: jh

Reviewed by: YL

Scanned by: jh

Container: C:Clear A:Amber P:Poly/Plastic G:Glass J:Jar B:Bottle

Preservative: h:HCL n:HNO_3 na_2:$Na_2S_2O_3$ na:NaOH po_4:H_3PO_4 s:H_2SO_4 znna:$ZnAc_2$+NaOH

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 230 W. Mac Arthur Blvd Oakland, CA Date 02.25.09

Job Number 090225-MT1 Technician M. Todi 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	X							~~No Bolts~~ Found Bolts in well Box
MW-2	X	X							
MW-3	X	X							
MW-4	X	X							
MW-5	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 # 090225-MT1 Date 02-25-09 Client Shell

Site 230 W. MacArthur Blvd. Oakland, CA

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	902	4					11.91	29.45		
MW-2	917	4					13.92	27.62		
MW-3	911	4					12.60	27.91		
MW-4	922	4					12.44	23.56		
MW-5	928	4	odor				12.41	24.45		

SHELL WELL MONITORING DATA SHEET

BTS #: 090225-MT1	Site: 98995741
Sampler: MT	Date: 02-25-09
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 29.45	Depth to Water (DTW): 11.91 17.54
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]: 15.42	

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: ____

11 (Gals.) X	3 =	33 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
1013	67.5	7.11	412.8	38	11	
1015	68.0	6.61	422.6	39	22	
1017	68.1	6.63	416.6	52	33	

Did well dewater? Yes (No) Gallons actually evacuated: 33

Sampling Date: 02-25-09 Sampling Time: 10.24 Depth to Water: 15.42 (omitted)

Sample I.D.: MW-1 Laboratory: STL Other CALSCIENCE

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

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

Analyzed for: TPH-G BTEX MTBE TPH-D 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 #: 090225-MT1	Site: 98995741
Sampler: MT	Date: 02-25-09
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 27.62	Depth to Water (DTW): 13.92
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]: 16.66	

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: ____

9 (Gals.) X 3 = 27 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
1039	67.6	6.65	650.9	18	9	
1041	68.9	6.58	646.0	73	18	
1043	69.4	6.56	646.8	137	27	

Did well dewater? Yes (No) Gallons actually evacuated: 27

Sampling Date: 02-25-09 Sampling Time: 1048 Depth to Water: 16.64 (limited)

Sample I.D.: MW-2 Laboratory: STL Other CALSCIENCE

Analyzed for: TPH-G BTEX MTBE TPH-D Other: see COC

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

Analyzed for: TPH-G BTEX MTBE TPH-D 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 #: 090225-MT1	Site: 98995741
Sampler: MT	Date: 02-25-09
Well I.D.: ~~MW~~ MW-3	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 27.91	Depth to Water (DTW): 12.60
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]: 15.66	

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 (Gals.) X	3	= 30 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
944	69.2	8.01	423.5	35	10	
946	69.3	7.08	463.7	110	20	
948	69.5	6.85	473.5	161	30	

Did well dewater? Yes (No) Gallons actually evacuated: 30

Sampling Date: 02-25-09 Sampling Time: 959 Depth to Water: 15.66 (calculated)

Sample I.D.: MW-3 Laboratory: STL Other CALSCIENCE

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

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

Analyzed for: TPH-G BTEX MTBE TPH-D 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 #: 090225-MT1	Site: 99995741
Sampler: MT	Date: 02-25-09
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 23.56	Depth to Water (DTW): 12.44
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]: 14.66	

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: _____

7 (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
1101	67.7	6.44	621.3	57	7	
1103	68.4	6.35	606.4	188	14	
1104	68.8	6.41	602.9	752	21	cloudy

Did well dewater? Yes (No) Gallons actually evacuated: 21

Sampling Date: 02-25-09 Sampling Time: 1110 Depth to Water: 14.61 (recorded)

Sample I.D.: MW-4 Laboratory: STL Other CALSCIENCE

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

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

Analyzed for: TPH-G BTEX MTBE TPH-D 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 #: 090225-MT1	Site: 98995741
Sampler: MT	Date: 02-25-09
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 24.45	Depth to Water (DTW): 12.41
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]: 14.82	

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: _____

8 (Gals.) X 3 = 24 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
1120	66.9	6.74	522.4	55	8	odor
1122	67.8	6.14	556.1	33	16	"
1124	67.9	6.22	516.9	27	24	"

Did well dewater? Yes (No) Gallons actually evacuated: 24

Sampling Date: 02-25-09 Sampling Time: 1130 Depth to Water: 14.76

Sample I.D.: MW-5 Laboratory: STL Other CALSCIENCE

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

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

Analyzed for: TPH-G BTEX MTBE TPH-D 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 REPAIR FORM
(FOR REPAIR TECHNICIAN)

Site Address: 230 w. Mac Arthur Blvd. Date: 1-6-09

Job Number: 090106-EC2 Technician: EC Page: 1 of 1

Inspection Point (Well ID or description of location)	Well Inspected, Cleaned, Labeled - No Further Corrective Action Required	Replaced Cap	Replaced Lock	Replaced Lid Seal	Check Indicates deficiency: Casing	Annular Seal	Tabs / Bolts	Box Structure	Apron	Trip Hazard	Below Grade	Not Securable by Design (12" diameter or less)	Lid not marked with words "MONITORING WELL"	Other Deficiency	Not Securable by Design (greater than 12" diameter)	Well Not Inspected (explain in notes)	All Repairs Completed	Remaining Deficiencies Logged onto *BLAINE Repair Order*	Remaining Deficiencies Logged onto *Notice of Deficient Condition* - BLAINE Unable to Repair
mw-1				X			X										X		
	Notes:																		
	Well box type / size: 12" EMCO																Materials used: RS, 2rt, 2b		
mw-2							X										X		
	Notes:																		
	Well box type / size: 8" EMCO																Materials used: 2RT, 2b		
mw-3							X										X		
	Notes:																		
	Well box type / size: 8" EMCO																Materials used: 2rt, 2b		
mw-4							X										X		
	Notes:																		
	Well box type / size: 8" EMCO																Materials used: 2rt, 2b		
mw-5				X			X										X		
	Notes:																		
	Well box type / size: 12" EMCO																Materials used: RS, 2rt, 2b		
	Notes:																		
	Well box type / size:																Materials used:		
	Notes:																		
	Well box type / size:																Materials used:		

SHELL SITE INSPECTION CHECKLIST

Client Shell Date 1-6-09

Site Address 230 W. Mac Arthur Blvd.

Job Number 090106-EC2 Technician EC

Site Status Shell Branded Station Vacant Lot Other

Inspected / Labeled / Cleaned - all wells on Scope Of Work	☒	
Inspected / Cleaned Components - all other identifiable wells	☐	N/A
Inspected site for site investigation & site remediation related trip hazards	☒	
Completed all outstanding *BLAINE Wellhead Repair Order(s)*	☒	N/A
Completed *Shell Wellhead Repair Form(s)*	☒	N/A
Inspected treatment / remediation system compound for security, cleanliness and appearance	☐	N/A
Inspected vacant lot for signs of habitation, hazardous materials or terrain, overgrown vegetation and security	☐	N/A
Visually inspected site drums for condition and proper labeling	☒	N/A
Unresolved deficiencies identified - *"Notice of Deficient Condition"* form(s) completed	☐	N/A

Notes

PROJECT MANAGER ONLY

Checklist Reviewed Initial/Date Notes

APPENDIX B

GROUNDWATER MONITORING DATA – 240 WEST MACARTHUR

Table 1
Groundwater Monitoring Well Construction and Groundwater Elevation Data
240 W. MacArthur Boulevard, Oakland, California

Well	Well Depth (feet bgs)	Well Screened Interval		Groundwater Level Depth [(a)] March 17, 2009	Groundwater Elevation [(b)] March 17, 2009
		Depth (feet)	Elevation (feet)		
MW-1	25	19.5 to 24.5	54.5 to 49.5	14.93	64.22
MW-2	25	14.5 to 24.5	64.2 to 54.2	14.45	64.00
MW-3	25	14.5 to 24.5	63.4 to 53.4	13.68	63.90
MW-4	25	14.5 to 24.5	63.6 to 53.6	13.30	64.44
MW-5	20	9 to 19	70.6 to 60.6	15.02	64.34
MW-6	20	9 to 19	69.7 to 59.7	14.32	64.11
MW-7	20	9 to 19	69.6 to 59.6	14.30	63.97
MW-8	20	9 to 19	67.7 to 57.7	12.60	63.79

Notes:

[(a)] Pre-purge measurement, feet below top of well casing.

[(b)] Pre-purge measurement, feet above mean sea level

NR = not recorded (dry or only residual water in silt trap)

Table 2
Groundwater Sample Analytical Results –March 17, 2009
Hydrocarbons, BTEX, and MTBE

Well	TVHg	TEHd	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-1	**9,200**	**5,200**	**84**	**6.4**	29	**54**	1.0
MW-2	**2,200**	**1,600**	**22**	**2.6**	**10**	**15.7**	**17**
MW-3	**1,100**	**5,100**	**41**	0.6	2.4	3.0	**44**
MW-4	**81**	NA	NA	NA	NA	NA	NA
MW-5	**9,700**	**9,000**	**140**	**34**	**38**	**280**	*<1.7*
MW-6	**740**	**3,300**	**14**	*<0.5*	1.6	8.6	2.6
MW-7	*<50*	NM	NM	NM	NM	NM	NM
MW-8	**110**	**1,000**	*<0.5*	*<0.5*	*<0.5*	*<0.5*	**5.2**
ESLs							
	100 / 210	100 / 210	1.0 / 46	4.0 / 130	30 / 43	20 / 100	5.0 / 1,800

Notes:

ESLs = Water Board Environmental Screening Levels for commercial/industrial sites where groundwater *is/is not* a potential drinking water resource
MTBE = methyl *tertiary*-butyl ether; TEHd = total extractable hydrocarbons - diesel range; TVHg = total volatile hydrocarbons - gasoline range
NA = not analyzed for this contaminant; NS = not sampled
All concentrations are expressed in micrograms per liter (µg/L), equivalent to parts per billion (ppb).
Samples in **bold-face** type exceed the ESL commercial/industrial criterion where groundwater is considered a potential drinking water resource.

Table 3
Groundwater Sample Analytical Results – March 17, 2009
Lead Scavengers and Fuel Oxygenates

Well	EDC	DIPE	TBA
MW-1	**2.3**	*<0.5*	**21**
MW-2	**1.1**	2.2	**22**
MW-3	**1.8**	2.8	**41**
MW-4	NM	NM	NM
MW-5	**2.1**	*<1.7*	**33**
MW-6	**4.7**	0.6	*<10*
MW-7	NM	NM	NM
MW-8	*<0.5*	2.5	**34**
ESLs	0.5 / 690	NLP	12 / 18,000

Notes:
ESLs = Water Board Environmental Screening Levels for commercial/industrial sites where groundwater *is/is not* considered a drinking water resource.
Samples in **bold-face** type exceed the ESL commercial/industrial criterion where groundwater is considered a potential drinking water resource.
DIPE = isopropyl ether; EDC = ethylene dichloride (1,2-dichloroethane); TBA = *tertiary*-butyl alcohol
The table includes only detected fuel oxygenates and lead scavengers; contaminants analyzed for and not detected include EDB, ETBE, and TAME.
NA = not analyzed for this contaminant; NS = not sampled; NLP = no level published.
All concentrations are expressed in micrograms per liter (µg/L), equivalent to parts per billion (ppb)