CONESTOGA-ROVERS & ASSOCIATES

5900 Hollis Street, Suite A
Emeryville, California 94608
Telephone: (510) 420-0700 Fax: (510) 420-9170
www.CRAworld.com

TRANSMITTAL

DATE: November 4, 2011

REFERENCE NO.: 241513

PROJECT NAME: 500 40th Street, Oakland

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

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Alameda County
Environmental Health

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QUANTITY	DESCRIPTION
1	Groundwater Monitoring Report – Third 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)
Young Song and In Song, Trustees, 1015 Sanders Drive, Moraga, CA 94556

Completed by: Peter Schaefer Signed: Peter Schaefer

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

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

Re: Former Shell Service Station
500 40th Street
Oakland, California
SAP Code 129452
Incident No. 97093400
ACEH Case No. RO0000264

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.

As always, please feel free to contact me directly at (707) 865-0251 with any questions or concerns.

Sincerely,

Denis L. Brown
Senior Program Manager

GROUNDWATER MONITORING REPORT – THIRD QUARTER 2011

FORMER SHELL SERVICE STATION
500 40TH STREET
OAKLAND, CALIFORNIA

SAP CODE	129452
INCIDENT NO.	97093400
AGENCY NO.	RO0000264

Prepared by:
Conestoga-Rovers & Associates

5900 Hollis Street, Suite A
Emeryville, California
U.S.A. 94608

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NOVEMBER 4, 2011
REF. NO. 241513 (10)
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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	500 40th Street, Oakland
Site Use	Shopping center
Shell Project Manager	Denis Brown
CRA Project Manager	Peter Schaefer
Lead Agency and Contact	ACEH, Jerry Wickham
Agency Case No.	RO0000264
Shell SAP Code	129452
Shell Incident No.	97093400

Date of most recent agency correspondence was October 11, 2011 (electronic).

2.0 SITE ACTIVITIES AND FINDINGS

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.

CRA prepared a vicinity map (Figure 1), a groundwater contour and chemical concentration map (Figure 2), 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.

CRA's May 26, 2011 *Subsurface Investigation Work Plan* proposed a soil vapor investigation in the area of the former underground storage tank complex. The work plan was approved in Alameda County Environmental Health's (ACEH's) June 27, 2011 letter, and ACEH's October 11, 2011 electronic correspondence extended the

investigation report due date from October 27, 2011 to February 3, 2012. The soil vapor investigation is tentatively scheduled to be completed in October and November 2011.

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Southwesterly
Hydraulic Gradient	Averages 0.02
Depth to Water	12.54 to 13.39 feet below top of well casing

2.3 PROPOSED ACTIVITIES

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.

As discussed above, CRA will submit a report detailing the results of the soil vapor investigation by February 3, 2012.

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

Peter Schaefer, CEG, CHG

Aubrey K. Cool, PG

FIGURES

10/21/09

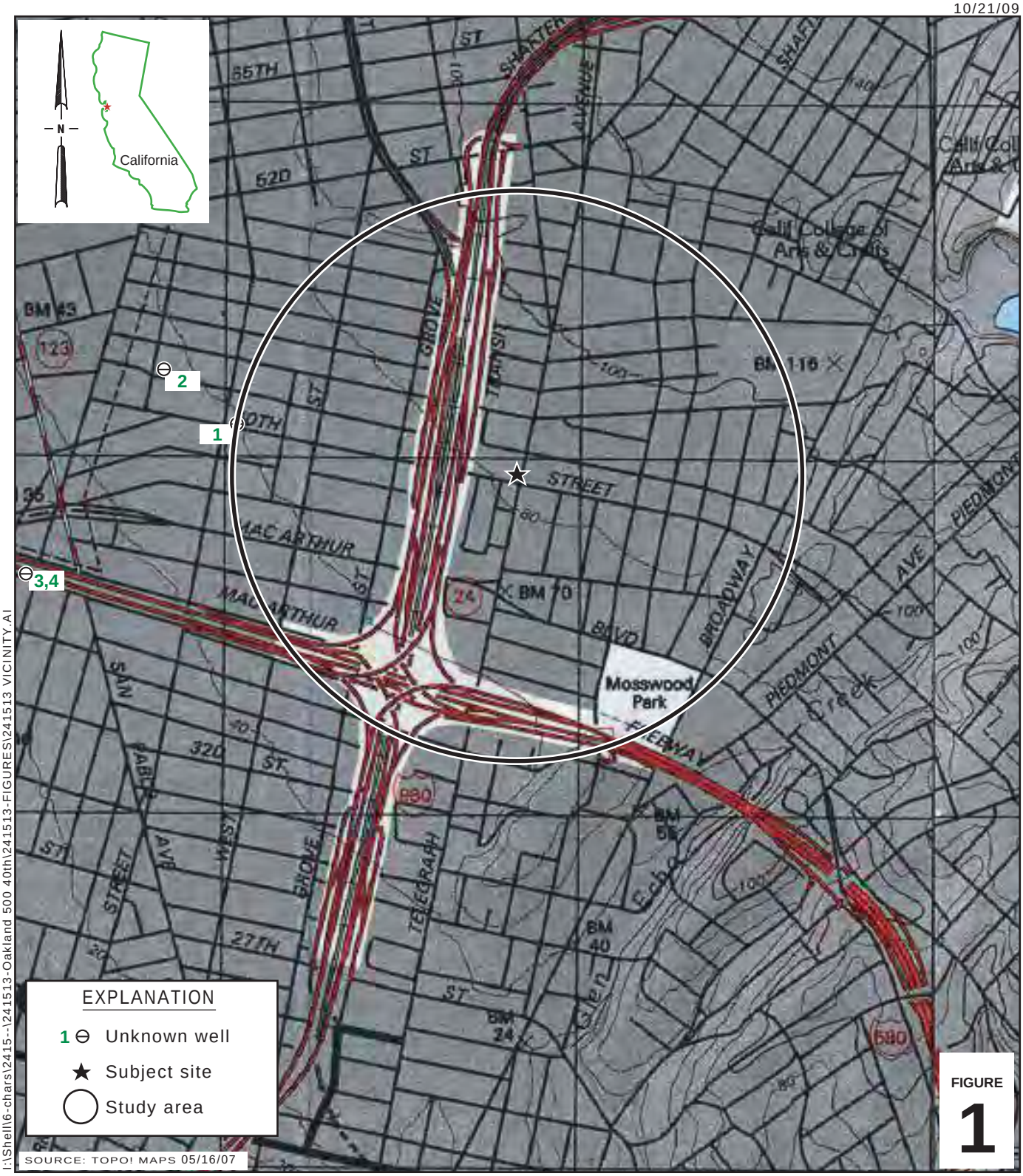

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FIGURE
1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

Former Shell Service Station

500 40th Street

Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

10/14/2011

EXPLANATION

MW-2 — Monitoring well location
MW-4 — Destroyed monitoring well location
B-1 — Monitoring wells paved over or built upon
CSB-1 — Soil boring location

x.xx — 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:
NA = Not available; well not surveyed
ND = Not detected
NDa = Elevated reporting limit; see laboratory report for details
NS = Not sampled

MW-8 69.65 NS
MW-2 70.99 NS
MW-4
MW-5
MW-3 69.92 2.9 ND
OMW-6 68.06 2,3 NDa
OMW-9 67.20 0.97 ND
OMW-13 NA ND ND
OMW-10
OMW-11
OMW-12
EW-1
CSB-1
B-1 B-2 B-3 B-4 B-5 B-6 B-7 B-8 B-9 B-10
R-1 R-2
70.00
69.00
68.00
0.02

Former Shell Station
500 40th St.
Stores
Former Dispenser Island (typ.)
Former USTs
Parking Lot
Planter
Residential *518 40th St.*
Residential *522 40th St.*
Residential *526 40th St.*
Residential *530 40th St.*
Residential (Apts.) *505 40th St.*
Sidewalk
40th STREET
TELEGRAPH AVENUE
Median Planter
Bart Station Parking Lot Access
BART Station Parking Lot

N

0 15 30 60
Scale (ft)

Base map taken from City of Oakland General Plan and Zoning Map

I:\Shell\6-chars\2415--\241513-Oakland 500 40th\241513-REPORTS\241513-RPT10-3Q11\241513 3OM11-GW.DWG

Groundwater Contour and Chemical Concentration Map

September 26, 2011

CONESTOGA-ROVERS & ASSOCIATES

Former Shell Service Station

500 40th Street
Oakland, California

FIGURE
2

TABLE

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
500 40TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
EW-1	08/06/1991	<50	180	5.4	<0.5	0.9	0.7	---	---	---	---	---	---	---	---	78.26	---	---	---
EW-1	10/30/1991	<50	70	2.6	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	78.26	12.72	65.54	---
EW-1	02/15/1992	---	<50	2.1	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	78.26	---	---	---
EW-1	03/18/1992	---	---	---	---	---	---	---	---	---	---	---	---	---	---	78.26	11.71	66.55	---
EW-1	05/22/1992	---	99	4.1	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	78.26	12.84	65.42	---
EW-1	08/19/1992	---	140	6.6	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	78.26	13.04	65.22	---
EW-1	11/18/1992	---	56	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	78.26	12.90	65.36	---
EW-1	02/11/1993	---	63	<0.5	<0.5	<0.5	0.9	---	---	---	---	---	---	---	---	78.26	11.28	66.98	---
EW-1 (D)	02/11/1993	---	63	<0.5	<0.5	<0.5	0.8	---	---	---	---	---	---	---	---	78.26	---	---	---
EW-1	05/19/1993	---	60 n	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	78.26	12.52	65.74	---
EW-1	08/18/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	---	78.26	12.48	65.78	---
EW-1	11/17/1993	---	170	17	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	78.26	12.63	65.63	---
EW-1 (D)	11/17/1993	---	190	17	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	78.26	---	---	---
EW-1	02/18/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	78.26	11.38	66.88	---
EW-1	05/26/1994	---	<50	3.5	<0.5	<0.5	0.51	---	---	---	---	---	---	---	---	78.26	12.02	66.24	---
EW-1	08/29/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	78.26	12.76	65.50	---
EW-1	11/11/1994	---	200	13	0.88	<0.5	<0.5	---	---	---	---	---	---	---	---	78.26	11.08	67.18	---
EW-1	02/03/1995	---	---	---	---	---	---	---	---	---	---	---	---	---	---	78.26	10.88	67.38	---
EW-1	05/07/1995	---	90	8.6	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	78.26	11.32	66.94	---
EW-1	08/02/1995	---	---	---	---	---	---	---	---	---	---	---	---	---	---	78.26	11.76	66.50	---
EW-1	11/02/1995	---	240	12	1.5	0.6	1.9	---	---	---	---	---	---	---	---	78.26	12.80	65.46	---
EW-1	02/24/1996	---	---	---	---	---	---	---	---	---	---	---	---	---	---	78.26	10.15	68.11	---
EW-1	05/04/1996	---	<50	1.4	<0.50	<0.50	<0.50	4.1	---	---	---	---	---	---	---	78.26	12.26	66.00	---
EW-1	09/07/1996	---	---	---	---	---	---	---	---	---	---	---	---	---	---	78.26	13.43	64.83	---
EW-1	11/24/1996	---	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---	78.26	12.24	66.02	---
EW-1	02/23/1997	---	---	---	---	---	---	---	---	---	---	---	---	---	---	78.26	12.20	66.06	---
EW-1	05/01/1997	---	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---	78.26	12.97	65.29	---
EW-1	07/22/1997	---	---	---	---	---	---	---	---	---	---	---	---	---	---	78.26	13.43	64.83	---
EW-1	11/04/1997	---	<50	<0.50	<0.50	<0.50	<0.50	<5.0	---	---	---	---	---	---	---	78.26	13.20	65.06	---
EW-1	01/21/1998	---	---	---	---	---	---	---	---	---	---	---	---	---	---	78.26	10.52	67.74	---
EW-1	05/11/1998	---	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---	78.26	12.35	65.91	---
EW-1	08/11/1998	---	---	---	---	---	---	---	---	---	---	---	---	---	---	78.26	12.90	65.36	---
EW-1	10/20/1998	---	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---	78.26	13.34	64.92	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
500 40TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
EW-1	02/08/1999	—	—	—	—	—	—	—	—	—	—	—	—	—	—	78.26	9.28	68.98	—
EW-1	04/12/1999	—	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	—	—	—	—	—	—	—	78.26	10.28	67.98	—
EW-1	07/27/1999	—	—	—	—	—	—	—	—	—	—	—	—	—	—	78.26	13.04	65.22	—
EW-1	10/25/1999	—	<50.0	0.885	<0.500	<0.500	<0.500	<5.00	—	—	—	—	—	—	—	78.26	13.12	65.14	—
EW-1	01/24/2000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	78.26	10.50	67.76	2.0
EW-1	04/24/2000	—	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	—	—	—	—	—	—	—	78.26	12.05	66.21	1.8
EW-1	07/24/2000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	78.26	13.00	65.26	—
EW-1	11/01/2000	—	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	—	—	—	—	—	—	—	78.26	12.15	66.11	2.4
EW-1	01/19/2001	—	—	—	—	—	—	—	—	—	—	—	—	—	—	78.26	12.24	66.02	4.4
EW-1	04/13/2001	—	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	—	—	—	—	—	—	—	78.26	12.56	65.70	5.8
EW-1	07/09/2001	—	—	—	—	—	—	—	—	—	—	—	—	—	—	78.26	12.97	65.29	4.2
EW-1	10/18/2001	—	<50	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	—	—	78.26	13.69	64.57	0.3
EW-1	01/24/2002	—	—	—	—	—	—	—	—	—	—	—	—	—	—	78.26	11.98	66.28	—
EW-1	05/10/2002	—	<50	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	—	—	78.26	12.68	65.58	2.3
EW-1	07/18/2002	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	78.26	—	—	—
EW-1	10/31/2002	—	<50	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	—	—	81.11	13.38	67.73	—
EW-1	01/30/2003	—	—	—	—	—	—	—	—	—	—	—	—	—	—	81.11	11.43	69.68	—
EW-1	04/17/2003	—	<50	<0.50	<0.50	<0.50	<1.0	—	<5.0	—	—	—	—	—	—	81.11	11.55	69.56	—
EW-1	07/17/2003	—	—	—	—	—	—	—	—	—	—	—	—	—	—	81.11	12.84	68.27	—
EW-1	10/16/2003	—	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	—	—	81.11	13.00	68.11	—
EW-1	01/14/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	81.11	11.15	69.96	—
EW-1	04/14/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	81.11	12.41	68.70	—
EW-1	10/29/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	81.11	12.08	69.03	—
EW-1	04/14/2005	Well destroyed		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-2	08/06/1991	230	1,200	59	1.1	38	56	—	—	—	—	—	—	—	—	80.80	12.12	68.68	—
MW-2	10/30/1991	300	520	56	<0.5	56	100	—	—	—	—	—	—	—	—	80.80	11.70	69.10	—
MW-2	02/15/1992	2,200 n	2,300	87	<2.5	88	150	—	—	—	—	—	—	—	—	80.80	—	—	—
MW-2	03/18/1992	—	—	—	—	—	—	—	—	—	—	—	—	—	—	80.80	11.10	69.70	—
MW-2	05/22/1992	—	700	24	1.0	34	48	—	—	—	—	—	—	—	—	80.80	12.12	68.68	—
MW-2	08/19/1992	—	740	21	<2.5	24	26	—	—	—	—	—	—	—	—	80.80	12.18	68.62	—
MW-2 (D)	08/19/1992	—	840	31	<2.5	36	43	—	—	—	—	—	—	—	—	80.80	—	—	—
MW-2	11/18/1992	—	920	19	<2.5	30	51	—	—	—	—	—	—	—	—	80.80	12.03	68.77	—

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
500 40TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-2 (D)	11/18/1992	—	870	25	<2.5	34	52	—	—	—	—	—	—	—	—	80.80	—	—	—
MW-2	02/11/1993	—	1,000	25	6.0	43	73	—	—	—	—	—	—	—	—	80.80	11.15	69.65	—
MW-2	05/19/1993	—	570	19	<0.5	37	42	—	—	—	—	—	—	—	—	80.80	11.80	69.00	—
MW-2	08/18/1993	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	80.80	—	—	—
MW-2	11/17/1993	—	250	10	<1.0	26	20	—	—	—	—	—	—	—	—	80.80	12.00	68.80	—
MW-2	02/18/1994	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	80.80	—	—	—
MW-2	05/26/1994	—	620	17	1.4	25	31	—	—	—	—	—	—	—	—	80.80	11.61	69.19	—
MW-2 (D)	05/26/1994	—	600	16	1.2	24	29	—	—	—	—	—	—	—	—	80.80	—	—	—
MW-2	08/29/1994	—	—	—	—	—	—	—	—	—	—	—	—	—	—	80.80	11.96	68.84	—
MW-2	11/11/1994	—	1,100	28	3.1	39	65	—	—	—	—	—	—	—	—	80.80	10.74	70.06	—
MW-2	02/03/1995	—	—	—	—	—	—	—	—	—	—	—	—	—	—	80.80	11.58	69.22	—
MW-2	05/07/1995	—	700	15	<0.5	35	39	—	—	—	—	—	—	—	—	80.80	10.98	69.82	—
MW-2	08/02/1995	—	—	—	—	—	—	—	—	—	—	—	—	—	—	80.80	11.90	68.90	—
MW-2	11/02/1995	—	140	2.3	<0.5	4.4	3.7	—	—	—	—	—	—	—	—	80.80	12.12	68.68	—
MW-2	02/24/1996	—	—	—	—	—	—	—	—	—	—	—	—	—	—	80.80	10.25	70.55	—
MW-2	05/04/1996	—	140	2.1	<0.50	4.6	4.9	6.2	—	—	—	—	—	—	—	80.80	11.30	69.50	—
MW-2	09/07/1996	—	—	—	—	—	—	—	—	—	—	—	—	—	—	80.80	15.10	65.70	—
MW-2	11/24/1996	—	620	9.7	<0.50	2.0	46	<2.5	—	—	—	—	—	—	—	80.80	12.13	68.67	—
MW-2	02/23/1997	—	—	—	—	—	—	—	—	—	—	—	—	—	—	80.80	12.01	68.79	—
MW-2	05/01/1997	—	<50	<0.50	<0.50	<0.50	<0.50	<2.5	—	—	—	—	—	—	—	80.80	12.94	67.86	—
MW-2	07/22/1997	—	—	—	—	—	—	—	—	—	—	—	—	—	—	80.80	13.22	67.58	—
MW-2	11/04/1997	—	<50	<0.50	<0.50	<0.50	<0.50	<5.0	—	—	—	—	—	—	—	80.80	13.00	67.80	—
MW-2	01/21/1998	—	—	—	—	—	—	—	—	—	—	—	—	—	—	80.80	10.47	70.33	—
MW-2	05/11/1998	—	59	0.56	<0.50	<0.50	<0.50	<2.5	—	—	—	—	—	—	—	80.80	12.49	68.31	—
MW-2	08/11/1998	—	—	—	—	—	—	—	—	—	—	—	—	—	—	80.80	12.82	67.98	—
MW-2	10/20/1998	—	<50	<0.50	<0.50	<0.50	<0.50	<2.5	—	—	—	—	—	—	—	80.80	13.13	67.67	—
MW-2	02/08/1999	—	—	—	—	—	—	—	—	—	—	—	—	—	—	80.80	9.10	71.70	—
MW-2	04/12/1999	—	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	—	—	—	—	—	—	—	80.80	10.06	70.74	—
MW-2	07/27/1999	—	—	—	—	—	—	—	—	—	—	—	—	—	—	80.80	12.81	67.99	—
MW-2	10/25/1999	—	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	—	—	—	—	—	—	—	80.80	12.89	67.91	—
MW-2	01/24/2000	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	80.80	—	—	—
MW-2	04/24/2000	—	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	—	—	—	—	—	—	—	80.80	19.35	61.45	1.8
MW-2	07/24/2000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	80.80	12.83	67.97	—

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
500 40TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-2	11/01/2000	—	53.2	<0.500	<0.500	<0.500	<0.500	<2.50	—	—	—	—	—	—	—	80.80	11.75	69.05	2.4
MW-2	01/19/2001	—	—	—	—	—	—	—	—	—	—	—	—	—	—	80.80	12.22	68.58	5.8
MW-2	04/13/2001	—	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	—	—	—	—	—	—	—	80.80	12.40	68.40	3.0
MW-2	07/09/2001	—	—	—	—	—	—	—	—	—	—	—	—	—	—	80.80	12.98	67.82	3.4
MW-2	10/18/2001	—	71	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	—	—	80.80	12.87	67.93	0.7
MW-2	01/24/2002	—	—	—	—	—	—	—	—	—	—	—	—	—	—	80.80	12.13	68.67	1.4
MW-2	05/10/2002	—	74	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	—	—	80.80	12.69	68.11	1.4
MW-2	07/18/2002	—	—	—	—	—	—	—	—	—	—	—	—	—	—	80.80	12.84	67.96	1.2
MW-2	10/31/2002	—	<50	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	—	—	83.66	13.15	70.51	—
MW-2	01/30/2003	—	—	—	—	—	—	—	—	—	—	—	—	—	—	83.78 d	11.97	71.81	—
MW-2	04/17/2003	—	85	<0.50	<0.50	<0.50	<1.0	—	<5.0	—	—	—	—	—	—	83.78	12.19	71.59	—
MW-2	07/17/2003	—	—	—	—	—	—	—	—	—	—	—	—	—	—	83.78	12.57	71.21	—
MW-2	10/16/2003	—	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	—	—	83.78	13.13	70.65	—
MW-2	01/14/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	83.78	11.58	72.20	—
MW-2	04/14/2004	—	73	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	—	—	83.78	12.65	71.13	—
MW-2	10/29/2004	—	180	<0.50	<0.50	<0.50	<1.0	—	<0.50	<5.0	<2.0	<2.0	<2.0	—	—	83.78	12.39	71.39	—
MW-2	04/14/2005	—	150	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	—	—	83.78	12.14	71.64	—
MW-2	10/26/2005	—	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	<5.0	<2.0	<2.0	<2.0	—	—	83.78	12.98	70.80	—
MW-2	03/16/2006	64.3	<50.0	<0.500	<0.500	<0.500	<0.500	—	<0.500	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500	83.78	11.72	72.06	—
MW-2	09/20/2006	<47.2 g,i	<50.0	<0.500	<0.500	<0.500	<0.500	—	<0.500	<10.0	<0.500	<0.500	<0.500	—	—	83.78	12.55	71.23	—
MW-2	03/26/2007	<47 g	<50	<0.50	<0.50	<0.50	<0.50	—	<0.50	—	—	—	—	—	—	83.78	12.28	71.50	—
MW-2	06/25/2007	—	—	—	—	—	—	—	—	—	—	—	—	—	—	83.78	12.94	70.84	—
MW-2	09/10/2007	<50 g	<50 l	<0.50	<1.0	<1.0	<1.0	—	<1.0	<10	<2.0	<2.0	<2.0	—	—	83.78	13.12	70.66	—
MW-2	12/10/2007	—	—	—	—	—	—	—	—	—	—	—	—	—	—	83.78	12.44	71.34	—
MW-2	03/10/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	83.78	12.34	71.44	—
MW-2	06/23/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	83.78	13.10	70.68	—
MW-2	09/22/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	83.78	13.02	70.76	—
MW-2	12/22/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	83.78	12.10	71.68	—
MW-2	03/23/2009	—	—	—	—	—	—	—	—	—	—	—	—	—	—	83.78	12.10	71.68	—
MW-2	09/21/2009	—	—	—	—	—	—	—	—	—	—	—	—	—	—	83.78	13.00	70.78	—
MW-2	03/08/2010	—	—	—	—	—	—	—	—	—	—	—	—	—	—	83.78	12.22	71.56	—
MW-2	09/27/2010	—	—	—	—	—	—	—	—	—	—	—	—	—	—	83.78	12.70	71.08	—
MW-2	03/21/2011	—	—	—	—	—	—	—	—	—	—	—	—	—	—	83.78	10.82	72.96	—

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
500 40TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-2	**09/26/2011**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	**83.78**	**12.79**	**70.99**	—
MW-3	08/06/1991	470	1,900	220	57	57	260	—	—	—	—	—	—	—	—	79.60	11.12	68.48	—
MW-3	10/30/1991	480	1,900	160	28	63	180	—	—	—	—	—	—	—	—	79.60	10.93	68.67	—
MW-3	02/15/1992	780 n	2,300	170	31	59	180	—	—	—	—	—	—	—	—	79.60	—	—	—
MW-3	03/18/1992	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.60	10.54	69.06	—
MW-3	05/22/1992	—	1,500	160	20	44	140	—	—	—	—	—	—	—	—	79.60	10.79	68.81	—
MW-3	08/19/1992	—	4,500	210	64	89	310	—	—	—	—	—	—	—	—	79.60	11.23	68.37	—
MW-3	11/18/1992	—	2,400	81	14	39	140	—	—	—	—	—	—	—	—	79.60	11.20	68.40	—
MW-3	02/11/1993	—	3,000	200	47	90	260	—	—	—	—	—	—	—	—	79.60	11.00	68.60	—
MW-3	05/19/1993	—	2,100	240	44	100	330	—	—	—	—	—	—	—	—	79.60	11.16	68.44	—
MW-3	08/18/1993	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.60	11.35	68.25	—
MW-3	11/17/1993	—	1,000	110	13	60	150	—	—	—	—	—	—	—	—	79.60	11.10	68.50	—
MW-3	02/18/1994	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.60	10.76	68.84	—
MW-3	05/26/1994	—	1,100	200	17	29	58	—	—	—	—	—	—	—	—	79.60	11.85	67.75	—
MW-3	08/29/1994	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.60	10.40	69.20	—
MW-3	11/11/1994	—	870	130	10	38	87	—	—	—	—	—	—	—	—	79.60	10.04	69.56	—
MW-3 (D)	11/11/1994	—	1,000	120	10	42	92	—	—	—	—	—	—	—	—	79.60	—	—	—
MW-3	02/03/1995	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.60	10.06	69.54	—
MW-3	05/07/1995	—	1,300	180	7.5	54	110	—	—	—	—	—	—	—	—	79.60	10.11	69.49	—
MW-3	08/02/1995	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.60	11.02	68.58	—
MW-3	11/02/1995	—	370	36	1.8	16	21	—	—	—	—	—	—	—	—	79.60	10.97	68.63	—
MW-3	02/24/1996	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.60	9.61	69.99	—
MW-3	05/04/1996	—	460	54	1.9	18	28	20	—	—	—	—	—	—	—	79.60	10.40	69.20	—
MW-3	09/07/1996	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.60	13.55	66.05	—
MW-3	11/24/1996	—	2,800	290	<10	29	39	<50	—	—	—	—	—	—	—	79.60	11.83	67.77	—
MW-3	02/23/1997	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.60	11.81	67.79	—
MW-3	05/01/1997	—	2,000	120	<5.0	53	14	60	—	—	—	—	—	—	—	79.60	12.34	67.26	—
MW-3	07/22/1997	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.60	12.86	66.74	—
MW-3	11/04/1997	—	470	120	<2.5	<2.5	7.3	<25	—	—	—	—	—	—	—	79.60	12.62	66.98	—
MW-3	01/21/1998	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.60	10.78	68.82	—
MW-3	05/11/1998	—	4,400	260	<10	220	36	170	—	—	—	—	—	—	—	79.60	11.98	67.62	—
MW-3	08/11/1998	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.60	12.38	67.22	—

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
500 40TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-3	10/20/1998	—	1,700	120	<2.0	18	7.1	19	—	—	—	—	—	—	—	79.60	12.55	67.05	—
MW-3 (D)	10/20/1998	—	1,400	120	<5.0	18	<5.0	80	—	—	—	—	—	—	—	79.60	—	—	—
MW-3	02/08/1999	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.60	8.53	71.07	—
MW-3	04/12/1999	—	8,040	554	30	436	624	160	—	—	—	—	—	—	—	79.60	10.19	69.41	—
MW-3	07/27/1999	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.60	12.21	67.39	—
MW-3	10/25/1999	—	827	31	2.23	14.5	6.71	<10.0	—	—	—	—	—	—	—	79.60	12.35	67.25	—
MW-3	01/24/2000	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	79.60	—	—	—
MW-3	04/24/2000	—	1,470	121	<5.00	63.8	14.1	<25.0	—	—	—	—	—	—	—	79.60	11.75	67.85	1.0
MW-3	07/24/2000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.60	12.56	67.04	—
MW-3	11/01/2000	—	1,550	143	<1.25	36.4	35.3	24.4	—	—	—	—	—	—	—	79.60	11.48	68.12	2.2
MW-3	01/19/2001	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.60	11.83	67.77	6.6
MW-3	04/13/2001	—	2,560	250	<10.0	108	<10.0	92.1	—	—	—	—	—	—	—	79.60	12.08	67.52	3.6
MW-3	07/09/2001	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.60	12.68	66.92	2.8
MW-3	10/18/2001	—	2,300	150	0.90	42	11	—	<5.0	—	—	—	—	—	—	79.60	13.21	66.39	0.1
MW-3	01/24/2002	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.60	11.83	67.77	2.3
MW-3	05/10/2002	—	3,300	77	0.60	94	3.1	—	<5.0	—	—	—	—	—	—	79.60	12.24	67.36	1.5
MW-3	07/18/2002	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.60	12.43	67.17	2.1
MW-3	10/31/2002	—	2,100	89	0.57	26	5.7	—	<5.0	—	—	—	—	—	—	82.46	12.60	69.86	2.0
MW-3	01/30/2003	—	—	—	—	—	—	—	—	—	—	—	—	—	—	82.46	11.76	70.70	4.6
MW-3	04/17/2003	—	2,100	55	0.79	100	110	—	<5.0	—	—	—	—	—	—	82.46	11.80	70.66	1.8
MW-3	07/17/2003	—	—	—	—	—	—	—	—	—	—	—	—	—	—	82.46	12.28	70.18	4.0
MW-3	10/16/2003	—	120 n	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	—	—	82.46	12.35	70.11	2.0
MW-3	01/14/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	82.46	11.35	71.11	2.9
MW-3	04/14/2004	—	130	1.6	<0.50	1.5	<1.0	—	<0.50	—	—	—	—	—	—	82.46	12.12	70.34	3.4
MW-3	10/29/2004	—	490	11	<0.50	19	18	—	<0.50	<5.0	<2.0	<2.0	<2.0	—	—	82.46	11.67	70.79	1.2
MW-3	04/14/2005	—	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	—	—	82.46	11.65	70.81	0.1
MW-3	10/26/2005	—	230	2.8	<0.50	0.52	<1.0	—	<0.50	<5.0	<2.0	<2.0	<2.0	—	—	82.46	12.43	70.03	0.2
MW-3	03/16/2006	191	107	12.5	<0.500	1.27	0.960	—	<0.500	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500	82.46	10.62	71.84	—
MW-3	09/20/2006	55.2 g	671	4.23	<0.500	<0.500	<0.500	—	<0.500	<10.0	<0.500	<0.500	<0.500	—	—	82.46	12.03	70.43	4.83
MW-3	03/26/2007	<47 g	120	2.6	<0.50	<0.50	<0.50 i,j	—	<0.50	—	—	—	—	—	—	82.46	11.84	70.62	1.0
MW-3	06/25/2007	—	—	—	—	—	—	—	—	—	—	—	—	—	—	82.46	12.21	70.25	0.04
MW-3	09/10/2007	<50 g	390 l	6.0	<1.0	1.1	1.4	—	<1.0	<10	<2.0	<2.0	<2.0	—	—	82.46	12.14	70.32	0.22
MW-3	12/10/2007	—	—	—	—	—	—	—	—	—	—	—	—	—	—	82.46	11.81	70.65	0.40

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
500 40TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-3	03/10/2008	84 g	75	1.0	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	82.46	11.80	70.66	0.52
MW-3	06/23/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	82.46	12.40	70.06	—
MW-3	09/22/2008	250 g,n	810	7.5	<1.0	<1.0	1.7	—	<1.0	<10	<2.0	<2.0	<2.0	—	—	82.46	12.65	69.81	0.25
MW-3	12/22/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	82.46	11.51	70.95	—
MW-3	03/23/2009	610 g,n	2,000	14	<1.0	140	13	—	<1.0	—	—	—	—	—	—	82.46	11.44	71.02	0.33
MW-3	09/21/2009	350 g,n	1,100	4.6	<1.0	3.9	<1.0	—	<1.0	<10	<2.0	<2.0	<2.0	—	—	82.46	12.20	70.26	0.43
MW-3	03/08/2010	540 g,n	1,400	5.6	<1.0	50	<1.0	—	<1.0	—	—	—	—	—	—	82.46	10.95	71.51	0.52
MW-3	09/27/2010	300 g,n	1,000	2.0	<1.0	3.7	<1.0	—	<1.0	<10	<2.0	<2.0	<2.0	—	—	82.46	12.34	70.12	1.51
MW-3	03/21/2011	310 g,o	710	3.1	<0.50	5.2	<1.0	—	<1.0	—	—	—	—	—	—	82.46	10.63	71.83	1.42
MW-3	**09/26/2011**	**200 g**	**750**	**2.9**	**<0.50**	**1.5**	**<1.0**	**—**	**<1.0**	**<10**	**<1.0**	**<1.0**	**<1.0**	**—**	**—**	**82.46**	**12.54**	**69.92**	**0.64**
MW-4	08/06/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	81.00	12.36	68.64	—
MW-4	10/30/1991	<50	50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	81.00	12.02	68.98	—
MW-4	02/15/1992	—	90	0.9	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	81.00	—	—	—
MW-4	03/18/1992	—	—	—	—	—	—	—	—	—	—	—	—	—	—	81.00	11.34	69.66	—
MW-4	05/22/1992	—	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	81.00	12.35	68.65	—
MW-4	08/19/1992	—	82 n	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	81.00	12.41	68.59	—
MW-4	11/18/1992	—	85 n	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	81.00	12.28	68.72	—
MW-4	02/11/1993	—	62 n	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	81.00	11.65	69.35	—
MW-4	05/19/1993	—	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	81.00	11.92	69.08	—
MW-4	08/18/1993	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	81.00	—	—	—
MW-4	11/17/1993	—	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	81.00	12.24	68.76	—
MW-4	02/18/1994	—	—	—	—	—	—	—	—	—	—	—	—	—	—	81.00	11.69	69.31	—
MW-4	05/26/1994	—	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	81.00	12.00	69.00	—
MW-4	11/11/1994	—	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	81.00	11.30	69.70	—
MW-4	02/03/1995	—	—	—	—	—	—	—	—	—	—	—	—	—	—	81.00	10.99	70.01	—
MW-4	05/07/1995	—	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	81.00	11.69	69.31	—
MW-4	08/02/1995	—	—	—	—	—	—	—	—	—	—	—	—	—	—	81.00	11.72	69.28	—
MW-4	11/02/1995	—	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	81.00	12.23	68.77	—
MW-4	02/24/1996	—	—	—	—	—	—	—	—	—	—	—	—	—	—	81.00	11.13	69.87	—
MW-4	05/04/1996	—	<50	<0.50	<0.50	<0.50	<0.50	<2.5	—	—	—	—	—	—	—	81.00	11.80	69.20	—
MW-4	09/07/1996	—	—	—	—	—	—	—	—	—	—	—	—	—	—	81.00	13.27	67.73	—
MW-4	11/24/1996	—	<50	<0.50	<0.50	<0.50	<0.50	<2.5	—	—	—	—	—	—	—	81.00	12.42	68.58	—

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
500 40TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-4	02/23/1997	—	—	—	—	—	—	—	—	—	—	—	—	—	—	81.00	12.38	68.62	—
MW-4	05/01/1997	—	<50	<0.50	<0.50	<0.50	<0.50	<2.5	—	—	—	—	—	—	—	81.00	13.08	67.92	—
MW-4	07/22/1997	—	—	—	—	—	—	—	—	—	—	—	—	—	—	81.00	13.73	67.27	—
MW-4	11/04/1997	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	81.00	—	—	—
MW-4	01/21/1998	—	—	—	—	—	—	—	—	—	—	—	—	—	—	81.00	11.41	69.59	—
MW-4	05/11/1998	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	81.00	—	—	—
MW-4	08/11/1998	—	—	—	—	—	—	—	—	—	—	—	—	—	—	81.00	13.05	67.95	—
MW-4	10/20/1998	—	<50	<0.50	<0.50	<0.50	<0.50	<2.5	—	—	—	—	—	—	—	81.00	13.30	67.70	—
MW-4	02/08/1999	—	—	—	—	—	—	—	—	—	—	—	—	—	—	81.00	9.19	71.81	—
MW-4	04/12/1999	—	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	—	—	—	—	—	—	—	81.00	9.26	71.74	—
MW-4	07/27/1999	—	—	—	—	—	—	—	—	—	—	—	—	—	—	81.00	12.57	68.43	—
MW-4	10/25/1999	—	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	—	—	—	—	—	—	—	81.00	13.15	67.85	—
MW-4	01/24/2000	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	81.00	—	—	—
MW-4	04/24/2000	—	<50.0	<0.500	<0.500	<0.500	<0.500	14.5	—	—	—	—	—	—	—	81.00	12.55	68.45	2.5
MW-4	07/24/2000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	81.00	13.31	67.69	—
MW-4	11/01/2000	—	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	—	—	—	—	—	—	—	81.00	12.09	68.91	2.8
MW-4	01/19/2001	—	—	—	—	—	—	—	—	—	—	—	—	—	—	81.00	12.58	68.42	8.4
MW-4	04/13/2001	—	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	—	—	—	—	—	—	—	81.00	12.75	68.25	2.6
MW-4	07/09/2001	—	—	—	—	—	—	—	—	—	—	—	—	—	—	81.00	13.30	67.70	4.2
MW-4	10/18/2001	—	<50	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	—	—	81.00	13.45	67.55	1.4
MW-4	01/24/2002	—	—	—	—	—	—	—	—	—	—	—	—	—	—	81.00	12.55	68.45	—
MW-4	05/10/2002	—	<50	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	—	—	81.00	12.93	68.07	1.5
MW-4	07/18/2002	—	—	—	—	—	—	—	—	—	—	—	—	—	—	81.00	13.13	67.87	1.4
MW-4	10/31/2002	—	<50	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	—	—	83.92	13.40	70.52	—
MW-4	01/30/2003	—	—	—	—	—	—	—	—	—	—	—	—	—	—	83.92	12.44	71.48	—
MW-4	04/17/2003	—	<50	<0.50	<0.50	<0.50	<1.0	—	<5.0	—	—	—	—	—	—	83.92	12.24	71.68	—
MW-4	07/17/2003	—	—	—	—	—	—	—	—	—	—	—	—	—	—	83.92	13.02	70.90	—
MW-4	10/16/2003	—	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	—	—	83.92	13.15	70.77	—
MW-4	01/14/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	83.92	12.20	71.72	—
MW-4	04/14/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	83.92	12.80	71.12	—
MW-4	10/29/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	83.92	12.41	71.51	—
MW-4	04/14/2005	Well destroyed		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
500 40TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-5	08/06/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	81.50	13.02	68.48	---
MW-5	10/30/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	81.50	12.73	68.77	---
MW-5	02/15/1992	---	<50	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	81.50	---	---	---
MW-5	03/18/1992	---	---	---	---	---	---	---	---	---	---	---	---	---	---	81.50	12.52	68.98	---
MW-5	05/22/1992	---	<50	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	81.50	13.05	68.45	---
MW-5	08/19/1992	---	55 n	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	81.50	13.04	68.46	---
MW-5	11/18/1992	---	<50	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	81.50	12.91	68.59	---
MW-5	02/11/1993	---	59 n	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	81.50	12.44	69.06	---
MW-5	05/19/1993	---	<50	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	81.50	12.84	68.66	---
MW-5 (D)	05/19/1993	---	<50	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	81.50	---	---	---
MW-5	11/17/1993	---	<50	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	81.50	12.89	68.61	---
MW-5	02/18/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	81.50	12.30	69.20	---
MW-5	05/26/1994	---	<50	1.8	2.4	1.3	4.9	---	---	---	---	---	---	---	---	81.50	12.73	68.77	---
MW-5	08/29/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	81.50	12.88	68.62	---
MW-5	11/11/1994	---	<50	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	81.50	12.20	69.30	---
MW-5	02/03/1995	---	---	---	---	---	---	---	---	---	---	---	---	---	---	81.50	11.78	69.72	---
MW-5	05/07/1995	---	<50	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	81.50	12.47	69.03	---
MW-5	08/02/1995	---	---	---	---	---	---	---	---	---	---	---	---	---	---	81.50	12.83	68.67	---
MW-5	11/02/1995	---	<50	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	81.50	13.02	68.48	---
MW-5	02/24/1996	---	---	---	---	---	---	---	---	---	---	---	---	---	---	81.50	12.11	69.39	---
MW-5	05/04/1996	---	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---	81.50	13.20	68.30	---
MW-5	09/07/1996	---	---	---	---	---	---	---	---	---	---	---	---	---	---	81.50	14.24	67.26	---
MW-5	11/24/1996	---	<50	<0.50	<0.5	<0.50	<0.50	<2.5	---	---	---	---	---	---	---	81.50	13.58	67.92	---
MW-5	02/23/1997	---	---	---	---	---	---	---	---	---	---	---	---	---	---	81.50	13.54	67.96	---
MW-5	05/01/1997	---	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---	81.50	14.17	67.33	---
MW-5	07/22/1997	---	---	---	---	---	---	---	---	---	---	---	---	---	---	81.50	14.35	67.15	---
MW-5	11/04/1997	---	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---	81.50	14.30	67.20	---
MW-5 (D)	11/04/1997	---	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---	81.50	---	---	---
MW-5	01/21/1998	---	---	---	---	---	---	---	---	---	---	---	---	---	---	81.50	12.86	68.64	---
MW-5	05/11/1998	---	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---	81.50	13.89	67.61	---
MW-5	08/11/1998	---	---	---	---	---	---	---	---	---	---	---	---	---	---	81.50	14.20	67.30	---
MW-5	10/20/1998	---	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---	81.50	14.41	67.09	---
MW-5	02/08/1999	---	---	---	---	---	---	---	---	---	---	---	---	---	---	81.50	10.31	71.19	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
500 40TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-5	04/12/1999	—	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	—	—	—	—	—	—	—	81.50	11.30	70.20	—
MW-5	07/27/1999	—	—	—	—	—	—	—	—	—	—	—	—	—	—	81.50	12.63	68.87	—
MW-5	10/25/1999	—	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	—	—	—	—	—	—	—	81.50	14.15	67.35	—
MW-5	01/24/2000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	81.50	11.65	69.85	1.8
MW-5	04/24/2000	—	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	—	—	—	—	—	—	—	81.50	13.71	67.79	2.1
MW-5	07/24/2000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	81.50	14.48	67.02	—
MW-5	11/01/2000	—	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	—	—	—	—	—	—	—	81.50	13.26	68.24	3.2
MW-5	01/19/2001	—	—	—	—	—	—	—	—	—	—	—	—	—	—	81.50	13.68	67.82	7.8
MW-5	04/13/2001	—	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	—	—	—	—	—	—	—	81.50	13.90	67.60	3.2
MW-5	07/09/2001	—	—	—	—	—	—	—	—	—	—	—	—	—	—	81.50	14.72	66.78	4.8
MW-5	10/18/2001	—	<50	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	—	—	81.50	14.41	67.09	1.1
MW-5	01/24/2002	—	—	—	—	—	—	—	—	—	—	—	—	—	—	81.50	13.69	67.81	1.4
MW-5	05/10/2002	—	<50	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	—	—	81.50	14.05	67.45	2.2
MW-5	07/18/2002	—	—	—	—	—	—	—	—	—	—	—	—	—	—	81.50	14.23	67.27	1.2
MW-5	10/31/2002	—	<50	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	—	—	84.36	14.36	70.00	2.8
MW-5	01/30/2003	—	—	—	—	—	—	—	—	—	—	—	—	—	—	84.36	13.70	70.66	2.4
MW-5	04/17/2003	—	<50	<0.50	<0.50	<0.50	<1.0	—	<5.0	—	—	—	—	—	—	84.36	13.52	70.84	2.6
MW-5	07/17/2003	—	—	—	—	—	—	—	—	—	—	—	—	—	—	84.36	14.13	70.23	1.6
MW-5	10/16/2003	—	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	—	—	84.36	14.21	70.15	2.1
MW-5	01/14/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	84.36	14.15	70.21	3.1
MW-5	04/14/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	84.36	13.95	70.41	2.5
MW-5	10/29/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	84.36	13.63	70.73	0.8
MW-5	04/14/2005	Well destroyed		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.8
OMW-6	08/06/1991	3,600	26,000	910	420	560	1,900	—	—	—	—	—	—	—	—	77.90	10.71	67.19	—
OMW-6	10/30/1991	4,600	20,000	710	240	410	1,700	—	—	—	—	—	—	—	—	77.90	10.50	67.40	—
OMW-6	02/15/1992	27,000	35,000	690	420	650	3,000	—	—	—	—	—	—	—	—	77.90	—	—	—
OMW-6	03/18/1992	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.90	9.24	68.66	—
OMW-6	05/22/1992	—	15,000	460	110	300	1,600	—	—	—	—	—	—	—	—	77.90	10.13	67.77	—
OMW-6	08/19/1992	—	24,000	600	300	460	2,000	—	—	—	—	—	—	—	—	77.90	10.16	67.74	—
OMW-6	11/18/1992	—	29,000	480	250	450	2,300	—	—	—	—	—	—	—	—	77.90	9.94	67.96	—
OMW-6	02/11/1993	—	24,000	1,300	250	630	2,400	—	—	—	—	—	—	—	—	77.90	9.20	68.70	—
OMW-6	05/19/1993	—	18,000	750	180	520	2,500	—	—	—	—	—	—	—	—	77.90	10.64	67.86	—

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
500 40TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
OMW-6	08/18/1993	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.90	10.04	67.86	—
OMW-6	11/17/1993	—	14,000	260	64	430	1,900	—	—	—	—	—	—	—	—	77.90	10.12	67.78	—
OMW-6	02/18/1994	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.90	9.65	68.25	—
OMW-6	05/26/1994	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	77.90	—	—	—
OMW-6	08/29/1994	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.90	—	—	—
OMW-6	11/11/1994	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	77.90	—	—	—
OMW-6	02/03/1995	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.90	8.96	68.94	—
OMW-6	05/07/1995	—	11,000	460	82	280	540	—	—	—	—	—	—	—	—	77.90	8.64	69.26	—
OMW-6 (D)	05/07/1995	—	14,000	480	61	230	370	—	—	—	—	—	—	—	—	77.90	—	—	—
OMW-6	08/02/1995	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.90	12.09	65.81	—
OMW-6	02/24/1996	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	77.90	—	—	—
OMW-6	05/04/1996	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	77.90	—	—	—
OMW-6	09/07/1996	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.90	14.45	63.45	—
OMW-6	11/24/1996	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	77.90	—	—	—
OMW-6	02/23/1997	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.90	13.12	64.78	—
OMW-6	05/01/1997	—	17,000	630	52	610	1,300	380	—	—	—	—	—	—	—	77.90	13.19	64.71	—
OMW-6 (D)	05/01/1997	—	20,000	630	54	630	1,300	500	<20	—	—	—	—	—	—	77.90	—	—	—
OMW-6	07/22/1997	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.90	13.52	64.38	—
OMW-6	11/04/1997	—	10,000	610	23	410	820	<100	—	—	—	—	—	—	—	77.90	13.12	64.78	—
OMW-6	01/21/1998	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.90	12.19	65.71	—
OMW-6	05/11/1998	—	14,000	500	32	900	1,000	110	—	—	—	—	—	—	—	77.90	12.71	65.19	—
OMW-6 (D)	05/11/1998	—	14,000	490	<25	900	980	370	—	—	—	—	—	—	—	77.90	—	—	—
OMW-6	08/11/1998	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.90	13.18	64.72	—
OMW-6	10/20/1998	—	7,500	220	<20	290	130	120	—	—	—	—	—	—	—	77.90	13.11	64.79	—
OMW-6	02/08/1999	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.90	9.07	68.83	—
OMW-6	04/12/1999	—	11,300	818	67	600	690	342	—	—	—	—	—	—	—	77.90	10.10	67.80	—
OMW-6	07/27/1999	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.90	12.18	65.72	—
OMW-6	10/25/1999	—	11,100	559	21	329	75.7	<100	—	—	—	—	—	—	—	77.90	12.58	65.32	—
OMW-6	01/24/2000	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	77.90	—	—	—
OMW-6	04/24/2000	—	12,700	576	<10.0	452	141	556	—	—	—	—	—	—	—	77.90	12.35	65.55	1.1
OMW-6	07/24/2000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.90	13.08	64.82	—
OMW-6	11/01/2000	—	10,700	179	28	532	416	304	14.6	—	—	—	—	—	—	77.90	11.91	65.99	0.6
OMW-6	01/19/2001	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.90	12.08	65.82	6.0

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
500 40TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
OMW-6	04/13/2001	—	8,650	103	26	318	207	258	<1.00	—	—	—	—	—	—	77.90	12.00	65.90	4.2
OMW-6	07/09/2001	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.90	11.86	66.04	5.2
OMW-6	10/18/2001	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	77.90	—	—	—
OMW-6	11/01/2001	—	6,600	85	<2.0	160	53	—	<20	—	—	—	—	—	—	77.90	13.23	64.67	3.4
OMW-6	01/24/2002	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.90	12.63	65.27	4.2
OMW-6	05/10/2002	—	7,600	230	2.9	370	25	—	<20	—	—	—	—	—	—	77.90	13.07	64.83	1.2
OMW-6	07/18/2002	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	77.90	—	—	—
OMW-6	10/31/2002	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
OMW-6	11/11/2002	—	6,600	37	<5.0	42	<5.0	—	<50	—	—	—	—	—	—	—	12.82	—	1.0
OMW-6	01/30/2003	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12.78	—	2.8
OMW-6	04/17/2003	—	5,500	89	1.4	61	20	—	<5.0	—	—	—	—	—	—	—	13.02	—	1.6
OMW-6	07/17/2003	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13.08	—	2.0
OMW-6	10/16/2003	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
OMW-6	01/14/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12.69	—	8.9
OMW-6	04/14/2004	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
OMW-6	10/29/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12.21	—	0.1
OMW-6	04/14/2005	—	3,600	18	<0.50	160	13	—	<0.50	—	—	—	—	—	—	—	12.88	—	0.7
OMW-6	10/26/2005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	80.77	13.11	67.66	0.2
OMW-6	03/16/2006	3,710	22,700	46.3	0.930	515	37.2	—	<0.500	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500	80.77	11.98	68.79	—
OMW-6	09/20/2006	3,730 g	9,130	11.4	<0.500	78.4	1.85	—	<0.500	—	—	—	—	—	—	80.77	13.01	67.76	2.78
OMW-6	03/26/2007	2,200 g,n	7,100	25	<2.5	230	20	—	<2.5	—	—	—	—	—	—	80.77	12.77	68.00	1.4
OMW-6	06/25/2007	2,700 g	7,800 l	13	0.57 m	99	6.92 m	—	<1.0	—	—	—	—	—	—	80.77	13.00	67.77	0.08
OMW-6	09/10/2007	1,700 g,n	6,400 l	6.8	0.47 m	26	2.41 m	—	<1.0	13	<2.0	<2.0	<2.0	—	—	80.77	13.14	67.63	0.04
OMW-6	12/10/2007	2,900 g,n	7,500 l	9.6	0.47 m	30	2.45 m	—	<1.0	—	—	—	—	—	—	80.77	12.83	67.94	0.10
OMW-6	03/10/2008	480 g	6,400	13	<1.0	180	9.0	—	<1.0	—	—	—	—	—	—	80.77	12.70	68.07	0.23
OMW-6	06/23/2008	3,300 g,n	10,000	6.4	<1.0	55	3.7	—	<1.0	—	—	—	—	—	—	80.77	13.00	67.77	0.03/0.06
OMW-6	09/22/2008	3,900 g,n	7,700	3.8	<1.0	16	1.7	—	<1.0	11	<2.0	<2.0	<2.0	—	—	80.77	13.25	67.52	0.3
OMW-6	12/22/2008	3,700 g,n	8,000	5.6	<1.0	12	<1.0	—	<1.0	—	—	—	—	—	—	80.77	12.88	67.89	—
OMW-6	03/23/2009	3,000 g,n	8,400	9.5	<1.0	120	8.2	—	<1.0	—	—	—	—	—	—	80.77	12.62	68.15	0.49
OMW-6	09/21/2009	2,500 g,n	7,600	33	<5.0	33	<5.0	—	<5.0	<50	<10	<10	<10	—	—	80.77	12.90	67.87	0.47
OMW-6	03/08/2010	3,000 g,n	9,800	7.0	<2.0	90	4.7	—	<2.0	—	—	—	—	—	—	80.77	11.21	69.56	0.54
OMW-6	09/27/2010	3,200 g,n	8,800	<2.5	<5.0	6.4	<5.0	—	<5.0	<50	<10	<10	<10	—	—	80.77	12.95	67.82	0.57
OMW-6	03/21/2011	3,100 g	6,400 j	3.1	0.94	43	2.0	—	<1.0	—	—	—	—	—	—	80.77	12.18	68.59	0.85

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
500 40TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
OMW-6	**09/26/2011**	**2,000 g**	**7,000**	**2.3**	**<1.0**	**40**	**<2.0**	**—**	**<2.0**	**<20**	**<2.0**	**<2.0**	**<2.0**	**—**	**—**	**80.77**	**12.71**	**68.06**	**0.61**
MW-8	08/06/1991	<50	90	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	79.91	13.08	66.83	—
MW-8	10/30/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	79.91	12.87	67.04	—
MW-8	02/15/1992	—	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	79.91	—	—	—
MW-8	03/18/1992	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.91	11.54	68.37	—
MW-8	05/22/1992	—	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	79.91	12.32	67.59	—
MW-8	08/19/1992	—	60	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	79.91	12.58	67.33	—
MW-8	11/18/1992	—	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	79.91	12.47	67.44	—
MW-8	02/11/1993	—	76 n	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	79.91	11.02	68.89	—
MW-8	05/19/1993	—	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	79.91	11.78	68.13	—
MW-8	08/18/1993	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.91	12.22	67.69	—
MW-8	11/17/1993	—	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	79.91	12.25	67.66	—
MW-8	02/18/1994	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.91	10.56	69.35	—
MW-8	05/26/1994	—	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	79.91	11.30	68.61	—
MW-8	08/29/1994	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.91	11.90	68.01	—
MW-8	11/11/1994	—	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	79.91	10.12	69.79	—
MW-8	02/03/1995	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.91	11.64	68.27	—
MW-8	05/07/1995	—	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	79.91	10.77	69.14	—
MW-8	08/02/1995	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.91	10.92	68.99	—
MW-8	11/02/1995	—	<50	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	79.91	11.93	67.98	—
MW-8	02/24/1996	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	79.91	—	—	—
MW-8	05/04/1996	—	<50	<0.50	<0.50	<0.50	<0.50	<2.5	—	—	—	—	—	—	—	79.91	11.66	68.25	—
MW-8	09/07/1996	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.91	9.84	70.07	—
MW-8	11/24/1996	—	<50	<0.50	<0.50	<0.50	<0.50	<2.5	—	—	—	—	—	—	—	79.91	11.53	68.38	—
MW-8	02/23/1997	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.91	11.54	68.37	—
MW-8	05/01/1997	—	<50	<0.50	<0.50	<0.50	<0.50	<2.5	—	—	—	—	—	—	—	79.91	12.37	67.54	—
MW-8	07/22/1997	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.91	12.73	67.18	—
MW-8	11/04/1997	—	50	<0.50	<0.50	<0.50	<0.50	<5.0	—	—	—	—	—	—	—	79.91	12.60	67.31	—
MW-8	01/21/1998	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.91	9.73	70.18	—
MW-8	05/11/1998	—	<50	<0.50	<0.50	<0.50	<0.50	<2.5	—	—	—	—	—	—	—	79.91	11.93	67.98	—
MW-8	08/11/1998	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.91	12.35	67.56	—
MW-8	10/20/1998	—	<50	<0.50	<0.50	<0.50	<0.50	<2.5	—	—	—	—	—	—	—	79.91	12.88	67.03	—

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
500 40TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-8	02/08/1999	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.91	8.79	71.12	—
MW-8	04/12/1999	—	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	—	—	—	—	—	—	—	79.91	9.86	70.05	—
MW-8	07/27/1999	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.91	12.35	67.56	—
MW-8	10/25/1999	—	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	—	—	—	—	—	—	—	79.91	12.53	67.38	—
MW-8	01/24/2000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.91	8.42	71.49	1.3
MW-8	04/24/2000	—	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	—	—	—	—	—	—	—	79.91	11.49	68.42	2.0
MW-8	07/24/2000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.91	12.87	67.04	—
MW-8	11/01/2000	—	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	—	—	—	—	—	—	—	79.91	11.19	68.72	4.0
MW-8	01/19/2001	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.91	11.62	68.29	7.0
MW-8	04/13/2001	—	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	—	—	—	—	—	—	—	79.91	11.86	68.05	4.6
MW-8	07/09/2001	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.91	12.42	67.49	6.4
MW-8	10/18/2001	—	81	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	—	—	79.91	13.24	66.67	2.3
MW-8	01/24/2002	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.91	11.39	68.52	3.1
MW-8	05/10/2002	—	95	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	—	—	79.91	12.25	67.66	2.5
MW-8	07/18/2002	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.91	12.45	67.46	2.8
MW-8	10/31/2002	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	82.34	—	—	—
MW-8	11/11/2002	—	110	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	—	—	82.34	12.03	70.31	—
MW-8	01/30/2003	—	—	—	—	—	—	—	—	—	—	—	—	—	—	82.34	11.85	70.49	—
MW-8	04/17/2003	—	<50	<0.50	<0.50	<0.50	<1.0	—	<5.0	—	—	—	—	—	—	82.34	11.30	71.04	—
MW-8	07/17/2003	—	—	—	—	—	—	—	—	—	—	—	—	—	—	82.34	12.40	69.94	—
MW-8	10/16/2003	—	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	—	—	82.34	12.62	69.72	—
MW-8	01/14/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	82.34	11.85	70.49	—
MW-8	04/16/2004	—	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	—	—	82.34	12.00	70.34	—
MW-8	10/29/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	82.34	11.66	70.68	—
MW-8	04/14/2005	—	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	—	—	82.34	10.81	71.53	—
MW-8	10/26/2005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	82.34	12.23	70.11	—
MW-8	03/16/2006	52.8 g	<50.0	<0.500	<0.500	<0.500	<0.500	—	<0.500	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500	82.34	10.47	71.87	—
MW-8	09/20/2006	<47.6 g,i	<50.0	<0.500	<0.500	<0.500	<0.500	—	<0.500	—	—	—	—	—	—	82.34	11.53	70.81	—
MW-8	03/26/2007	<47 g	<50	<0.50	<0.50	<0.50	<0.50	—	<0.50	—	—	—	—	—	—	82.34	12.10	70.24	—
MW-8	06/25/2007	—	—	—	—	—	—	—	—	—	—	—	—	—	—	82.34	12.69	69.65	—
MW-8	09/10/2007	<50 g	<50 l	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	82.34	13.05	69.29	—
MW-8	12/10/2007	—	—	—	—	—	—	—	—	—	—	—	—	—	—	82.34	12.10	70.24	—
MW-8	03/10/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	82.34	11.97	70.37	—

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
500 40TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-8	06/23/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	82.34	12.97	69.37	—
MW-8	09/22/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	82.34	12.89	69.45	—
MW-8	12/22/2008	—	—	—	—	—	—	—	—	—	—	—	—	—	—	82.34	12.41	69.93	—
MW-8	03/23/2009	—	—	—	—	—	—	—	—	—	—	—	—	—	—	82.34	11.72	70.62	—
MW-8	09/21/2009	—	—	—	—	—	—	—	—	—	—	—	—	—	—	82.34	12.45	69.89	—
MW-8	03/08/2010	—	—	—	—	—	—	—	—	—	—	—	—	—	—	82.34	11.38	70.96	—
MW-8	09/27/2010	—	—	—	—	—	—	—	—	—	—	—	—	—	—	82.34	12.54	69.80	—
MW-8	03/21/2011	—	—	—	—	—	—	—	—	—	—	—	—	—	—	82.34	10.21	72.13	—
MW-8	**09/26/2011**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	**82.34**	**12.69**	**69.65**	—
OMW-9	08/06/1991	190	3,900	58	8.8	80	220	—	—	—	—	—	—	—	—	77.71	10.38	67.33	—
OMW-9	10/30/1991	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	77.71	—	—	—
OMW-9	03/18/1992	210	1,800 n	84	11	49	60	—	—	—	—	—	—	—	—	77.71	8.76	68.95	—
OMW-9	05/20/1992	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	77.71	—	—	—
OMW-9	08/19/1992	22 n	4,600	63	<25	48	70	—	—	—	—	—	—	—	—	77.71	9.98	67.73	—
OMW-9	11/18/1992	130 n	1,800	30	9.2	46	61	—	—	—	—	—	—	—	—	77.71	9.81	67.90	—
OMW-9	02/11/1993	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	77.71	—	—	—
OMW-9	05/19/1993	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	77.71	—	—	—
OMW-9	08/18/1993	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.71	9.75	67.96	—
OMW-9	11/17/1993	2,400 n	5,900	86	14	150	46	—	—	—	—	—	—	—	—	77.71	9.92	67.79	—
OMW-9	02/18/1994	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	77.71	—	—	—
OMW-9	05/26/1994	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	77.71	—	—	—
OMW-9	08/29/1994	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.71	—	—	—
OMW-9	11/11/1994	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	77.71	—	—	—
OMW-9	02/03/1995	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.71	—	—	—
OMW-9	05/07/1995	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	77.71	—	—	—
OMW-9	08/02/1995	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	77.71	—	—	—
OMW-9	02/24/1996	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	77.71	—	—	—
OMW-9	05/04/1996	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	77.71	—	—	—
OMW-9	09/07/1996	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	77.71	—	—	—
OMW-9	11/24/1996	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	77.71	—	—	—
OMW-9	02/23/1997	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	77.71	—	—	—
OMW-9	05/01/1997	1,100	4,700	150	14	97	52	330	—	—	—	—	—	—	—	77.71	12.10	65.61	—

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
500 40TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
OMW-9	07/22/1997	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	77.71	—	—	—
OMW-9	11/04/1997	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	77.71	—	—	—
OMW-9	01/21/1998	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.71	11.32	66.39	—
OMW-9	05/11/1998	1,500	5,500	220	10	160	91	110	—	—	—	—	—	—	—	77.71	11.95	65.76	—
OMW-9	08/11/1998	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.71	12.08	65.63	—
OMW-9	10/20/1998	780	1,200	18	<5.0	14	6.0	48	—	—	—	—	—	—	—	77.71	12.03	65.68	—
OMW-9	11/23/1998	890	1,700	88	9.0	42	22	170	—	—	—	—	—	—	—	77.71	11.85	65.86	—
OMW-9	02/08/1999	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.71	8.01	69.70	—
OMW-9	04/12/1999	1,870	2,670	97	<5.00	111	54	401	—	—	—	—	—	—	—	77.71	9.55	68.16	—
OMW-9	07/27/1999	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.71	11.87	65.84	—
OMW-9	10/25/1999	606	2,670	31.3	<2.50	8.32	<2.50	107	—	—	—	—	—	—	—	77.71	11.93	65.78	—
OMW-9	01/24/2000	1,250	1,400	44.5	<1.00	12.6	8.66	69.8	23.5	—	—	—	—	—	—	77.71	10.32	67.39	1.2
OMW-9	04/24/2000	644	1,440	53.3	0.605	4.63	10.2	80.7	—	—	—	—	—	—	—	77.71	11.33	66.38	1.8
OMW-9	07/24/2000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.71	11.82	65.89	—
OMW-9	11/01/2000	685	2,160	92.6	7.96	4.69	4.02	88.8	—	—	—	—	—	—	—	77.71	11.45	66.26	2.0
OMW-9	01/19/2001	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.71	11.83	65.88	4.2
OMW-9	04/13/2001	923	3,620	167	3.16	60.2	14.5	231	—	—	—	—	—	—	—	77.71	12.19	65.52	3.8
OMW-9	07/09/2001	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.71	12.04	65.67	3.8
OMW-9	10/18/2001	<500	1,400	23	0.77	1.8	1.4	—	10	—	—	—	—	—	—	77.71	12.90	64.81	0.4
OMW-9	01/24/2002	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.71	11.97	65.74	4.0
OMW-9	05/10/2002	380	3,900	84	2.9	120	23	—	11	—	—	—	—	—	—	77.71	12.27	65.44	1.1
OMW-9	07/18/2002	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.71	12.42	65.29	4.2
OMW-9	10/31/2002	<1,500	4,700	40	1.1	14	14	—	<5.0	—	—	—	—	—	—	—	12.60	—	2.4
OMW-9	01/30/2003	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12.15	—	4.8
OMW-9	04/17/2003	120	<50	<0.50	<0.50	<0.50	<1.0	—	<5.0	—	—	—	—	—	—	—	11.61	—	1.8
OMW-9	07/17/2003	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12.22	—	4.2
OMW-9	10/16/2003	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
OMW-9	01/14/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.87	—	9.1
OMW-9	04/14/2004	470 n	460	6.1	<0.50	21	1.2	—	1.2	—	—	—	—	—	—	—	12.44	—	1.0
OMW-9	10/29/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.95	—	11.4
OMW-9	04/14/2005	210 n	<50	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	—	—	—	11.82	—	1.9
OMW-9	10/26/2005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	80.55	12.52	68.03	0.2
OMW-9	03/16/2006	1,600	10,500	26.2	0.670	105	4.38	—	1.06	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500	80.55	11.17	69.38	—

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
500 40TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
OMW-9	09/20/2006	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	80.55	—	—	—
OMW-9	10/02/2006	3,990 g	11,300	18.0	1.81	74.4	6.18	—	0.860	—	—	—	—	—	—	80.55	12.40	68.15	0.29
OMW-9	03/26/2007	1,000 g,n	2,700	12	<2.5	15	2.8	—	<2.5	—	—	—	—	—	—	80.55	12.00	68.55	1.2
OMW-9	06/25/2007	1,000 g	4,000 l	8.4	0.44 m	25	2.9	—	<1.0	—	—	—	—	—	—	80.55	12.83	67.72	0.05
OMW-9	09/10/2007	480 g,n	2,800 l	3.9	<1.0	6.4	1.3	—	<1.0	—	—	—	—	—	—	80.55	13.02	67.53	0.06
OMW-9	12/10/2007	760 g,n	2,600 l	12	0.46 m	6.4	0.83	—	0.71 m	—	—	—	—	—	—	80.55	12.38	68.17	0.11
OMW-9	03/10/2008	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	80.55	—	—	—
OMW-9	06/23/2008	550 g,n	1,700	1.9	<1.0	2.0	<1.0	—	<1.0	—	—	—	—	—	—	80.55	13.30	67.25	0.01/0.02
OMW-9	09/22/2008	430 g,n	1,300	1.4	<1.0	<1.0	<1.0	—	<1.0	<10	<2.0	<2.0	<2.0	—	—	80.55	12.41	68.14	0.09
OMW-9	12/22/2008	550 g,n	1,000	1.4	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	80.55	12.18	68.37	—
OMW-9	03/23/2009	380 g,n	290	1.0	<1.0	1.1	<1.0	—	<1.0	—	—	—	—	—	—	80.55	11.42	69.13	0.47
OMW-9	09/21/2009	420 g,n	1,100	2.3	<1.0	<1.0	<1.0	—	<1.0	<10	<2.0	<2.0	<2.0	—	—	80.55	12.10	68.45	0.62
OMW-9	03/08/2010	200 g,n	510	2.0	<1.0	3.2	<1.0	—	<1.0	—	—	—	—	—	—	80.55	11.37	69.18	0.51
OMW-9	09/27/2010	80 g,n	1,600	2.8	<1.0	<1.0	<1.0	—	<1.0	<10	<2.0	<2.0	<2.0	—	—	80.55	12.96	67.59	0.88
OMW-9	03/21/2011	72 g	140	0.80	<0.50	0.88	<1.0	—	<1.0	—	—	—	—	—	—	80.55	11.90	68.65	0.78
OMW-9	**09/26/2011**	**650 g**	**1,600**	**0.97**	**<0.50**	**0.62**	**<1.0**	**—**	**<1.0**	**<10**	**<1.0**	**<1.0**	**<1.0**	**—**	**—**	**80.55**	**13.35**	**67.20**	**0.94**
OMW-10	08/07/1991	<50	460	73	1.0	18	8.4	—	—	—	—	—	—	—	—	77.91	10.00	67.91	—
OMW-10	10/31/1991	150	630	100	<0.5	33	26	—	—	—	—	—	—	—	—	77.91	10.10	67.81	—
OMW-10	02/15/1992	570 n	810	85	2.5	44	38	—	—	—	—	—	—	—	—	77.91	—	—	—
OMW-10	03/18/1992	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.91	9.55	68.36	—
OMW-10	05/21/1992	—	280	47	0.7	4.0	3.1	—	—	—	—	—	—	—	—	77.91	10.41	67.50	—
OMW-10	08/19/1992	—	330	35	<1	6.0	4.1	—	—	—	—	—	—	—	—	77.91	10.46	67.45	—
OMW-10	11/18/1993	—	300	30	0.8	7.1	6.3	—	—	—	—	—	—	—	—	77.91	10.31	67.60	—
OMW-10	02/11/1993	—	510 n	49	3.8	18	18	—	—	—	—	—	—	—	—	77.91	9.68	68.23	—
OMW-10	05/19/1993	—	<50	96	<0.5	3.4	1.5	—	—	—	—	—	—	—	—	77.91	10.19	67.72	—
OMW-10	08/18/1993	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.91	10.29	67.62	—
OMW-10	11/17/1993	—	400	24	<1.0	2.8	1.9	—	—	—	—	—	—	—	—	77.91	10.32	67.59	—
OMW-10	02/18/1994	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.91	9.30	68.61	—
OMW-10	05/26/1994	—	330	32	13	7.5	26	—	—	—	—	—	—	—	—	77.91	10.14	67.77	—
OMW-10	08/09/1994	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.91	10.38	67.53	—
OMW-10	11/11/1994	—	110	7.8	<0.5	2.3	1.5	—	—	—	—	—	—	—	—	77.91	9.34	68.57	—
OMW-10	02/03/1995	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.91	10.17	67.74	—

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
500 40TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
OMW-10	05/07/1995	—	1,600	110	3.1	17	12	—	—	—	—	—	—	—	—	77.91	9.63	68.28	—
OMW-10	08/02/1995	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.91	10.07	67.84	—
OMW-10	11/02/1995	—	1,200	47	0.8	1.4	2.4	—	—	—	—	—	—	—	—	77.91	9.74	68.17	—
OMW-10 (D)	11/02/1995	—	1,300	50	0.8	1.5	2.5	—	—	—	—	—	—	—	—	77.91	—	—	—
OMW-10	02/24/1996	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	77.91	—	—	—
OMW-10	05/04/1996	—	1,100	76	16	7.4	32	57	—	—	—	—	—	—	—	77.91	9.97	67.94	—
OMW-10 (D)	05/04/1996	—	700	63	13	6.4	25	21	—	—	—	—	—	—	—	77.91	—	—	—
OMW-10	09/07/1996	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.91	13.00	64.91	—
OMW-10	11/24/1996	—	540	13	2.7	1.3	1.7	16	—	—	—	—	—	—	—	77.91	12.56	65.35	—
OMW-10 (D)	11/24/1996	—	490	25	<2.0	<2.0	<2.0	66	—	—	—	—	—	—	—	77.91	—	—	—
OMW-10	02/23/1997	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.91	12.52	65.39	—
OMW-10	05/01/1997	—	910	1.3	10	4.1	5.9	4.1	—	—	—	—	—	—	—	77.91	13.13	64.78	—
OMW-10	07/22/1997	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.91	13.46	64.45	—
OMW-10	11/04/1997	—	460	5.0	<0.50	1.3	2.2	<5.0	—	—	—	—	—	—	—	77.91	12.08	65.83	—
OMW-10	01/21/1998	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.91	11.77	66.14	—
OMW-10	05/11/1998	—	370	4.1	0.7	<0.50	0.88	5.2	—	—	—	—	—	—	—	77.91	12.86	65.05	—
OMW-10	08/11/1998	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.91	13.20	64.71	—
OMW-10	10/20/1998	—	490	<0.50	<0.50	1.6	2.3	5.9	—	—	—	—	—	—	—	77.91	13.20	64.71	—
OMW-10	11/23/1998	790	150	3.2	0.72	<0.50	1.5	5	—	—	—	—	—	—	—	77.91	12.85	65.06	—
OMW-10	02/08/1999	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.91	9.18	68.73	—
OMW-10	04/12/1999	—	1,910	59.8	65.80	67	41.6	<100	—	—	—	—	—	—	—	77.91	10.25	67.66	—
OMW-10	07/27/1999	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.91	12.85	65.06	—
OMW-10	10/25/1999	—	130	1.08	<0.500	0.522	<0.500	<5.00	—	—	—	—	—	—	—	77.91	12.99	64.92	—
OMW-10	01/24/2000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.91	10.61	67.30	0.6
OMW-10	04/24/2000	—	60.7	1.73	<0.500	<0.500	<0.500	<2.50	—	—	—	—	—	—	—	77.91	12.35	65.56	1.1
OMW-10	07/24/2000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.91	12.76	65.15	—
OMW-10	11/01/2000	—	<50.0	0.664	<0.500	<0.500	<0.500	<2.50	—	—	—	—	—	—	—	77.91	11.96	65.95	2.2
OMW-10	01/19/2001	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.91	12.51	65.40	3.4
OMW-10	04/13/2001	—	91.0	1.75	0.720	<0.500	0.718	6.11	—	—	—	—	—	—	—	77.91	12.95	64.96	6.2
OMW-10	07/09/2001	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.91	13.11	64.80	3.4
OMW-10	10/18/2001	—	<50	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	—	—	77.91	19.69	58.22	0.2
OMW-10	01/24/2002	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.91	12.83	65.08	2.5
OMW-10	05/10/2002	—	<50	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	—	—	77.91	13.20	64.71	1.1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
500 40TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
OMW-10	07/18/2002	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77.91	13.22	64.69	2.3
OMW-10	10/31/2002	—	<50	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	—	—	81.14	13.55	67.59	—
OMW-10	01/30/2003	—	—	—	—	—	—	—	—	—	—	—	—	—	—	81.14	12.67	68.47	—
OMW-10	04/17/2003	—	<50	<0.50	<0.50	<0.50	<1.0	—	6.6	—	—	—	—	—	—	81.14	12.14	69.00	—
OMW-10	07/17/2003	—	—	—	—	—	—	—	—	—	—	—	—	—	—	81.14	13.08	68.06	—
OMW-10	10/16/2003	—	120 n	0.68	<0.50	<0.50	<1.0	—	0.99	—	—	—	—	—	—	81.14	13.27	67.87	—
OMW-10	01/14/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	81.14	12.55	68.59	—
OMW-10	04/14/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	81.14	13.04	68.10	—
OMW-10	10/29/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	81.14	12.61	68.53	—
OMW-10	04/14/2005	Well destroyed		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
OMW-11	11/22/1991	240	450	1.1	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	75.76	11.90	63.86	—
OMW-11	02/15/1992	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	75.76	—	—	—
OMW-11	03/18/1992	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	75.76	—	—	—
OMW-11	05/20/1992	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	75.76	—	—	—
OMW-11	08/19/1992	<50	270 n	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	75.76	12.06	63.70	—
OMW-11	11/18/1992	100	400 n	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	75.76	12.01	63.75	—
OMW-11	02/11/1993	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	75.76	—	—	—
OMW-11	05/20/1993	<0.5	200 n	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	75.76	11.90	63.86	—
OMW-11	08/18/1993	<50	180 n	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	75.76	11.90	63.86	—
OMW-11	11/17/1993	<50 n	150 n	<0.5	3.6	<0.5	<0.5	—	—	—	—	—	—	—	—	75.76	11.94	63.82	—
OMW-11	02/18/1994	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	75.76	—	—	—
OMW-11	05/26/1994	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	75.76	—	—	—
OMW-11	08/29/1994	—	—	—	—	—	—	—	—	—	—	—	—	—	—	75.76	11.98	63.78	—
OMW-11	11/11/1994	—	160	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	75.76	10.88	64.88	—
OMW-11	02/03/1995	—	—	—	—	—	—	—	—	—	—	—	—	—	—	75.76	10.62	65.14	—
OMW-11	03/05/1995	100	220	0.7	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	75.76	—	—	—
OMW-11	05/07/1995	<50	160	<0.5	<0.5	<0.5	<0.5	—	—	—	—	—	—	—	—	75.76	11.49	64.27	—
OMW-11	08/02/1995	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	75.76	—	—	—
OMW-11	02/24/1996	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	75.76	—	—	—
OMW-11	05/04/1996	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	75.76	—	—	—
OMW-11	09/07/1996	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	75.76	—	—	—
OMW-11	11/24/1996	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	75.76	—	—	—

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
500 40TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
OMW-11	02/23/1997	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	75.76	—	—	—
OMW-11	05/01/1997	71	130	<0.50	<0.50	<0.50	0.61	<2.5	—	—	—	—	—	—	—	75.76	13.76	62.00	—
OMW-11	07/22/1997	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	75.76	—	—	—
OMW-11	11/04/1997	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	75.76	—	—	—
OMW-11	01/21/1998	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	75.76	—	—	—
OMW-11	05/11/1998	85	100	<0.50	<0.50	<0.50	<0.50	<2.5	—	—	—	—	—	—	—	75.76	13.18	62.58	—
OMW-11	08/11/1998	<50	110	<0.50	<0.50	<0.50	<0.50	<2.5	—	—	—	—	—	—	—	75.76	13.50	62.26	—
OMW-11	10/20/1998	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	75.76	—	—	—
OMW-11	04/12/1999	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	75.76	—	—	—
OMW-11	07/27/1999	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	75.76	—	—	—
OMW-11	10/25/1999	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	75.76	—	—	—
OMW-11	01/24/2000	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	75.76	—	—	—
OMW-11	04/24/2000	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	75.76	—	—	—
OMW-11	05/11/2000	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	—	—	—	—	—	—	—	75.76	12.21	63.55	—
OMW-11	07/24/2000	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	75.76	—	—	—
OMW-11	07/29/2000	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	75.76	—	—	—
OMW-11	10/26/2000	b	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	—	—	—	—	—	—	—	75.76	12.47	63.29	1.5
OMW-11	11/01/2000	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	75.76	—	—	—
OMW-11	01/19/2001	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	75.76	12.29	63.47	—
OMW-11	04/13/2001	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	75.76	—	—	—
OMW-11	04/26/2001	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	75.76	—	—	—
OMW-11	04/27/2001	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	75.76	—	—	—
OMW-11	07/09/2001	<50	130	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	—	—	75.76	13.00	62.76	3.6
OMW-11	10/18/2001	<50	200	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	—	—	75.76	13.35	62.41	0.6
OMW-11	01/24/2002	170	<50	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	—	—	75.76	12.18	63.58	1.7
OMW-11	05/10/2002	<50	180	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	—	—	75.76	12.44	63.32	1.3
OMW-11	07/18/2002	68	230	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	—	—	75.76	12.32	63.44	1.9
OMW-11	10/31/2002	<50	210	<0.50	<0.50	<0.50	<0.50	—	<5.0	—	—	—	—	—	—	78.67	12.70	65.97	—
OMW-11	01/30/2003	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	78.67	—	—	—
OMW-11	04/17/2003	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	78.67	—	—	—
OMW-11	07/17/2003	<50	120 n	<0.50	<0.50	<0.50	<1.0	—	<0.50	—	—	—	—	—	—	78.67	12.56	66.11	—
OMW-11	10/16/2003	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	78.67	—	—	—
OMW-11	01/14/2004	<50	97 n	<0.50	0.67	<0.50	<1.0	—	<0.50	—	—	—	—	—	—	78.67	12.17	66.50	1.6

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
500 40TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
OMW-11	04/14/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	78.67	12.41	66.26	---
OMW-11	10/29/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	78.67	12.31	66.36	---
OMW-11	04/14/2005	Well destroyed		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
OMW-12	12/02/1991	<50	<1,000	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	75.65	10.31	65.34	---
OMW-12	03/18/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	75.65	8.93	66.72	---
OMW-12	05/20/1992	---	180 n	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	75.65	10.26	65.39	---
OMW-12	08/19/1992	---	230 n	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	75.65	10.53	65.12	---
OMW-12	11/18/1992	---	220 n	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	75.65	10.45	65.20	---
OMW-12	02/11/1993	---	240	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	75.65	8.90	66.75	---
OMW-12	05/19/1993	---	110 n	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	75.65	10.60	65.05	---
OMW-12	08/18/1993	---	140 n	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	75.65	10.28	65.37	---
OMW-12	11/17/1993	---	120 n	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	75.65	10.24	65.41	---
OMW-12	02/18/1994	---	180 n	1.7	2.1	0.9	4.8	---	---	---	---	---	---	---	---	75.65	8.97	66.68	---
OMW-12	05/26/1994	---	150	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	75.65	9.62	66.03	---
OMW-12	08/29/1994	---	110	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	75.65	10.20	65.45	---
OMW-12	11/11/1994	---	90	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	75.65	8.54	67.11	---
OMW-12	02/03/1995	---	80	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	75.65	8.28	67.37	---
OMW-12 (D)	02/03/1995	---	100	0.6	<0.5	0.7	1.1	---	---	---	---	---	---	---	---	75.65	---	---	---
OMW-12	05/07/1995	---	110	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	75.65	9.17	66.48	---
OMW-12	08/02/1995	---	90	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	75.65	10.06	65.59	---
OMW-12 (D)	08/02/1995	---	120	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	75.65	---	---	---
OMW-12	11/02/1995	---	130	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	75.65	10.09	65.56	---
OMW-12	02/24/1996	---	80	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	75.65	7.81	67.84	---
OMW-12	05/04/1996	---	61	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---	75.65	11.72	63.93	---
OMW-12	09/07/1996	---	66	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---	75.65	12.65	63.00	---
OMW-12	11/24/1996	---	70	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---	75.65	11.54	64.11	---
OMW-12	02/23/1997	---	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---	75.65	11.53	64.12	---
OMW-12	05/01/1997	---	79	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---	75.65	12.17	63.48	---
OMW-12	07/22/1997	---	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---	75.65	12.48	63.17	---
OMW-12 (D)	07/22/1997	---	51	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---	75.65	---	---	---
OMW-12	11/04/1997	---	<50	<0.50	<0.50	<0.50	<0.50	<5.0	---	---	---	---	---	---	---	75.65	12.54	63.11	---
OMW-12	01/21/1998	---	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---	75.65	9.82	65.83	---

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
500 40TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
OMW-12	05/11/1998	---	53	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---	75.65	11.63	64.02	---
OMW-12	08/11/1998	---	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---	75.65	12.05	63.60	---
OMW-12	10/20/1998	---	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---	75.65	12.31	63.34	---
OMW-12	02/08/1999	---	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---	75.65	8.25	67.40	---
OMW-12	04/12/1999	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	75.65	---	---	---
OMW-12	07/27/1999	---	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	---	---	75.65	10.88	64.77	---
OMW-12	10/25/1999	---	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	---	---	---	---	---	---	---	75.65	11.00	64.65	---
OMW-12	01/24/2000	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	75.65	---	---	---
OMW-12	04/24/2000	---	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	---	---	75.65	10.53	65.12	2.0
OMW-12	07/24/2000	---	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	---	---	75.65	11.55	64.10	---
OMW-12	11/01/2000	---	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	---	---	75.65	10.34	65.31	2.6
OMW-12	01/19/2001	---	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	---	---	75.65	10.60	65.05	7.6
OMW-12	04/13/2001	---	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	---	---	75.65	10.75	64.90	2.8
OMW-12	07/09/2001	---	69	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	---	---	75.65	11.64	64.01	4.8
OMW-12	10/18/2001	---	81	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	---	---	75.65	11.95	63.70	1.3
OMW-12	01/24/2002	---	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	---	---	75.65	10.27	65.38	3.4
OMW-12	05/10/2002	---	73	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	---	---	75.65	10.86	64.79	1.6
OMW-12	07/18/2002	---	71	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	---	---	75.65	10.66	64.99	1.7
OMW-12	10/31/2002	---	76	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	---	---	78.58	11.20	67.38	---
OMW-12	01/30/2003	---	58	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	---	---	78.58	10.30	68.28	---
OMW-12	04/17/2003	---	<50	<0.50	<0.50	<0.50	<1.0	---	<5.0	---	---	---	---	---	---	78.58	10.17	68.41	---
OMW-12	07/17/2003	---	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	---	---	78.58	11.05	67.53	---
OMW-12	10/16/2003	---	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	---	---	78.58	11.33	67.25	---
OMW-12	01/14/2004	---	67 n	<0.50	0.87	<0.50	<1.0	---	<0.50	---	---	---	---	---	---	78.58	10.50	68.08	2.8
OMW-12	04/14/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	78.58	10.85	67.73	---
OMW-12	10/29/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	78.58	10.72	67.86	---
OMW-12	04/14/2005	Well destroyed		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
OMW-13	11/22/1991	1,000	900	37	9.5	74	130	---	---	---	---	---	---	---	---	76.36	11.96	64.40	---
OMW-13	03/18/1992	590 n	900 n	24	28	320	320	---	---	---	---	---	---	---	---	76.36	10.84	65.52	---
OMW-13	05/20/1992	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	76.36	---	---	---
OMW-13	08/19/1992	470 n	7,000	180	36	150	150	---	---	---	---	---	---	---	---	76.36	12.12	64.24	---
OMW-13	11/18/1992	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	76.36	12.00	64.36	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
500 40TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
OMW-13	02/11/1993	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	76.36	---	---	---
OMW-13	05/20/1993	---	9,200	320	83	490	950	---	---	---	---	---	---	---	---	76.36	12.26	64.10	---
OMW-13	08/18/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	---	76.36	11.75	64.61	---
OMW-13	11/17/1993	3,800	38,000	210	<130	1,000	2,500	---	---	---	---	---	---	---	---	76.36	11.78	64.58	---
OMW-13	02/18/1994	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	76.36	---	---	---
OMW-13	05/26/1994	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	76.36	---	---	---
OMW-13	08/29/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	76.36	---	---	---
OMW-13	11/11/1994	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	76.36	10.28	66.08	---
OMW-13	02/03/1995	---	1.0	---	---	---	---	---	---	---	---	---	---	---	---	76.36	10.01	66.35	---
OMW-13	03/05/1995	3,900	9,100	200	9.7	200	130	---	---	---	---	---	---	---	---	76.36	---	---	---
OMW-13	05/07/1995	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	76.36	---	---	---
OMW-13	08/02/1995	2,900	8,000	180	6.6	190	55	---	---	---	---	---	---	---	---	76.36	11.80	64.56	---
OMW-13	02/24/1996	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	76.36	---	---	---
OMW-13	05/04/1996	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	76.36	---	---	---
OMW-13	09/07/1996	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	76.36	---	---	---
OMW-13	11/24/1996	7,700	15,000	50	<20	74	60	<100	---	---	---	---	---	---	---	76.36	12.35	64.01	---
OMW-13	02/23/1997	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	76.36	---	---	---
OMW-13	05/01/1997	290	2,600	33	10	30	14	88	---	---	---	---	---	---	---	76.36	13.83	62.53	---
OMW-13	07/22/1997	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	76.36	---	---	---
OMW-13	11/04/1997	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	76.36	---	---	---
OMW-13	01/21/1998	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	76.36	---	---	---
OMW-13	05/11/1998	1,400	10,000	60	17	120	23	<50	---	---	---	---	---	---	---	76.36	13.21	63.15	---
OMW-13	08/11/1998	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	76.36	---	---	---
OMW-13	10/20/1998	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	76.36	---	---	---
OMW-13	02/08/1999	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	76.36	---	---	---
OMW-13	04/12/1999	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	76.36	---	---	---
OMW-13	07/27/1999	2,230	6,270	32.0	26.0	53.0	<5.00	33.0	---	---	---	---	---	---	---	76.36	11.87	64.49	---
OMW-13	10/25/1999	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	76.36	---	---	---
OMW-13	01/24/2000	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	76.36	---	---	---
OMW-13	04/24/2000	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	76.36	---	---	---
OMW-13	05/11/2000	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	76.36	---	---	---
OMW-13	07/24/2000	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	76.36	---	---	---
OMW-13	07/29/2000	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	76.36	---	---	---

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
500 40TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
OMW-13	11/01/2000	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	76.36	---	---	---
OMW-13	11/15/2000	1,200	2,990	34.8	37.3	<10.0	<10.0	<50.0	---	---	---	---	---	---	---	76.36	12.35	64.01	1.4
OMW-13	01/19/2001	2,390	4,830	34.8	<5.00	93.1	<5.00	<25.0	---	---	---	---	---	---	---	76.36	12.17	64.19	7.0
OMW-13	04/13/2001	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	76.36	---	---	---
OMW-13	04/26/2001	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	76.36	---	---	---
OMW-13	04/27/2001	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	76.36	---	---	---
OMW-13	07/09/2001	<600	1,300	0.74	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	---	---	76.36	13.20	63.16	6.4
OMW-13	10/18/2001	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	76.36	---	---	---
OMW-13	11/01/2001	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	76.36	---	---	---
OMW-13	11/09/2001	<300	910	<0.50	<0.50	1.1	<0.50	---	<5.0	---	---	---	---	---	---	76.36	13.53	62.83	5.8
OMW-13	01/24/2002	<1,500	6,300	6.6	1.0	28	2.1	---	<10	---	---	---	---	---	---	76.36	12.23	64.13	2.9
OMW-13	05/10/2002	<400	2,800	3.5	<0.50	15	1.2	---	<5.0	---	---	---	---	---	---	76.36	12.59	63.77	1.0
OMW-13	07/18/2002	<1,000	3,300	4.3	0.70	29	1.8	---	<5.0	---	---	---	---	---	---	76.36	12.44	63.92	2.1
OMW-13	10/31/2002	<1,000	1,900	0.96	<0.50	7.5	<0.50	---	<5.0	---	---	---	---	---	---	---	12.86	---	---
OMW-13	01/30/2003	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	12.86	---	---
OMW-13	04/17/2003	1,800	5,800	11	1.3	34	2.9	---	<10	---	---	---	---	---	---	---	11.87	---	---
OMW-13	07/17/2003	930 n	5,100 n	3.1	<2.5	10	<5.0	---	<2.5	---	---	---	---	---	---	---	12.70	---	---
OMW-13	10/16/2003	740 n	3,100 n	<2.5	<2.5	<2.5	<5.0	---	<2.5	---	---	---	---	---	---	---	12.93	---	---
OMW-13	01/14/2004	2,100 n	7,800	6.3	<2.5	11	9.8	---	<2.5	---	---	---	---	---	---	---	12.57	---	1.2
OMW-13	04/14/2004	1,100 n	4,400	3.3	<2.5	7.6	<5.0	---	<2.5	---	---	---	---	---	---	---	12.50	---	---
OMW-13	10/29/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	12.35	---	---
OMW-13	04/14/2005	2,000 f	4,900	5.0	<2.5	6.7	<5.0	---	<2.5	---	---	---	---	---	---	---	12.01	---	---
OMW-13	10/26/2005	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
OMW-13	03/16/2006	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
OMW-13	03/17/2006	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
OMW-13	03/27/2006	1,860 g	15,500	2.48	0.720	4.02	1.74	---	<0.500	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500	---	11.23	---	---
OMW-13	09/20/2006	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
OMW-13	10/02/2006	1,110 g	4,660	<0.500	<0.500	0.510	<0.500	---	0.560	---	---	---	---	---	---	---	12.81	---	0.47
OMW-13	03/26/2007	730 g,n	1,800 i	<2.5 i	<2.5 i	<2.5 i	<2.5 i	---	<2.5 i	---	---	---	---	---	---	---	12.41	---	---
OMW-13	06/25/2007	440 g	1,800 l	<0.50	<1.0	0.33 m	0.41 m	---	<1.0	---	---	---	---	---	---	---	12.91	---	---
OMW-13	09/10/2007	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
OMW-13	09/24/2007	1,100 g,m	1,200 l	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	---	---	---	12.93	---	---
OMW-13	12/10/2007	420 g,n	1,400 l	0.16 m	<1.0	<1.0	0.18 m	---	<1.0	---	---	---	---	---	---	---	12.50	---	---

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
500 40TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
OMW-13	03/10/2008	55 g	1,800	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	—	12.35	—	—
OMW-13	06/23/2008	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
OMW-13	07/14/2008	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
OMW-13	07/16/2008	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
OMW-13	09/22/2008	180 n,g	460	<0.50	<1.0	<1.0	<1.0	—	<1.0	<10	<2.0	<2.0	<2.0	—	—	—	13.63	—	0.18
OMW-13	12/22/2008	610 n,g	1,700	<0.50	<1.0	<1.0	<1.0	—	<1.0	—	—	—	—	—	—	—	12.69	—	—
OMW-13	03/23/2009	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
OMW-13	09/21/2009	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
OMW-13	03/08/2010	1,400 g, n	5,300	0.60	<1.0	1.4	1.1	—	<1.0	—	—	—	—	—	—	—	11.90	—	—
OMW-13	09/27/2010	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
OMW-13	03/21/2011	Well inaccessible		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
OMW-13	**09/26/2011**	**340 g**	**890**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**—**	**<1.0**	**<10**	**<1.0**	**<1.0**	**<1.0**	**—**	**—**	**—**	**13.39**	**—**	**0.71**

Notes:
TPHd = Total petroleum hydrocarbons as diesel analyzed by modified EPA Method 8015
TPHg = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to July 9, 2001 analyzed by EPA Method 8015 unless otherwise noted.
BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B
MTBE = Methyl tertiary-butyl ether analyzed by method indicated
TBA = Tertiary-butyl alcohol analyzed by EPA Method 8260B
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
1,2-DCA = 1,2-Dichloroethane analyzed by EPA Method 8260B
EDB = 1,2-Dibromoethane (ethylene dibromide) analyzed by EPA Method 8260B
TOC = Top of casing elevation, in feet relative to mean sea level
GW = Groundwater
DO = Dissolved oxygen
µg/L = Micrograms per liter
ft = Feet
MSL = Mean sea level
mg/L = Milligrams per liter
<x = Not detected at reporting limit x
— = Not analyzed or available

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
500 40TH STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)

(D) = Duplicate sample

b = The TPHd analysis was not performed because the sample containers were broken in the laboratory.
d = TOC altered during wellhead maintenance.
f = Hydrocarbon reported is in the early diesel range, and does not match laboratory diesel standard.
g = Diesel with silica gel cleanup
i = Sample analyzed past method-specified hold time.
j = Sample container contained headspace.
l = Analyzed by EPA Method 8015B (M).
m = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
n = 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.
o = Hydrocarbon result partly due to individual peak(s) in quantitation range.

DO readings are collected post-purge when wells are sampled and pre-purge in wells not sampled.
All wells except OMW-6, OMW-9, and OMW-13 surveyed March 18, 2002 by Virgil Chavez Land Surveying
Wells OMW-6 and OMW-9 surveyed October 25, 2005 by Virgil Chavez Land Surveying

APPENDIX A

BLAINE TECH SERVICES, INC. - FIELD NOTES

WELL GAUGING DATA

Project # 110926-MC1 Date 9/26/11 Client SHELL

Site 500 40th/Telegraph, 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	1248	4					12.79	19.55		
MW-3	1150	4					12.54	17.98		
MW-8	1235	4					12.69	38.60		
OMW-6	1215	4					12.71	20.10		
OMW-9	1120	4					13.35	17.12		
OMW-13	1042	4					13.39	20.93	↓	Stiger

SHELL WELL MONITORING DATA SHEET

BTS #: 110926-MC1	Site: 9703400
Sampler: MC	Date: 9/26/11
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 17.08	Depth to Water (DTW): 12.54
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]: —	

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

NP @ 10.5

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
1155	68.3	6.56	418.7	23	—	—

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

Sampling Date: 9/26/11 Sampling Time: 1155 Depth to Water: 12.54

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 110926-MC1	Site: 9703400
Sampler: MC	Date: 9/26/11
Well I.D.: MW-6	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 20.10	Depth to Water (DTW): 12.71
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]:	

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: ____

NP @ 10.5

____ (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	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1220	69.7	6.62	751.4	12	—	—

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

Sampling Date: 9/26/11 Sampling Time: 1220 Depth to Water: 12.71

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 110926-MC1	Site: 9703400
Sampler: MC	Date: 9/26/11
Well I.D.: OMW-9	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 17.12	Depth to Water (DTW): 13.35
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]:	

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: ____

NP @ 7.5

___ (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
1125	65.6	6.70	567.0	68	—	

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

Sampling Date: 9/26/11 Sampling Time: 1125 Depth to Water: 13.35

Sample I.D.: OMW-9 Laboratory: (Test America) Other ____

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 110926-MC1	Site: 9703400
Sampler: ML	Date: 9/26/11
Well I.D.: OMW-13	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 20.93	Depth to Water (DTW): 13.39
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]: —	

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: ____

NP @ 10.5

___ (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	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1045	67.5	6.36	788.9	28	—	

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

Sampling Date: 9/26/11 Sampling Time: 1045 Depth to Water: 13.39

Sample I.D.: OMW-13 Laboratory: (Test America) Other ____

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

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

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

D.O. (if req'd):	Pre-purge:		mg/L	(Post-purge:)	0.71 mg/L
O.R.P. (if req'd):	Pre-purge:		mV	Post-purge:	— mV

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 241513

INCIDENT # (ENV SERVICES): 97093400

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 9/26/11

PAGE: 1 of 1

PO #: 40-40373

SAP #:

SAMPLING COMPANY: Blaine Tech Services

LOG CODE: BTSS

SITE ADDRESS: Street and City: 500 40th St., Oakland

State: CA

GLOBAL ID NO.: T0600101265

ADDRESS: 1680 Rogers Avenue, San Jose, CA

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

PHONE NO.: 510-420-3343

E-MAIL: shelledf@craworld.com

CONSULTANT PROJECT NO.: 110926-MC1

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

TELEPHONE: 310-995-4455 x 108

FAX: 310-637-5802

E-MAIL: lking@blainetech.com

SAMPLER NAME(S) (Print): Matthew Linder

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

Run TPH-D w/ Silica Gel Clean Up

- ☐ 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 (8260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B)	BTEX + 6 OXYs (MTBE, TBA, DIPE, TAME, ETBE) 8260B	Full VOC list (8260B)	Single Compounds: _____ (8260B)	1,2-DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	TEMPERATURE ON R: C° / Container PID Readings or Laboratory Notes
	MW-3	9/26/11	1155	W	X			X		5	X	X					X							
	MW-6	"	1220	"	X			X		5	X	X					X							
	MW-9	"	1125	"	X			X		5	X	X					X							
	MW-13	"	1045	"	X			X		5	X	X					X							

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		9/27/11	1730

05/2/06 Revision

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 500 40th/Telegraph, Oakland Date 9/26/11

Job Number 110926-MC1 Technician MC 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							
MW-3	X	X							
MW-8	X	X							
OMW-6									Monument slip lid
OMW-9									Monument slip lid
OMW-13	MC X								Monument slip lid/no tag

*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:

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: 500 40th St., Oakland, CA

Sampled: 09/26/11
Received: 09/29/11
Issued: 10/14/11 15:32

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

ADDITIONAL INFORMATION: Report revised to correct the sample IDs per COC.

LABORATORY ID	CLIENT ID	MATRIX
IUI2687-01	MW-3	Water
IUI2687-02	OMW-6	Water
IUI2687-03	OMW-9	Water
IUI2687-04	OMW-13	Water

Reviewed By:

Philip Sanelle

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: 500 40th St., Oakland, CA

Report Number: IUI2687

Sampled: 09/26/11
Received: 09/29/11

EXTRACTABLE FUEL HYDROCARBONS (EPA 8015B w/ Silica Gel Clean-up)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI2687-01 (MW-3 - Water)								
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11I3635	48	**200**	0.952	9/30/2011	10/5/2011	
Surrogate: n-Octacosane (45-120%)				*81 %*				
Sample ID: IUI2687-02 (OMW-6 - Water)								
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11I3635	48	**2000**	0.952	9/30/2011	10/5/2011	
Surrogate: n-Octacosane (45-120%)				*70 %*				
Sample ID: IUI2687-03 (OMW-9 - Water)								
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11I3635	47	**650**	0.943	9/30/2011	10/5/2011	
Surrogate: n-Octacosane (45-120%)				*79 %*				
Sample ID: IUI2687-04 (OMW-13 - Water)								
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11I3635	47	**340**	0.943	9/30/2011	10/5/2011	
Surrogate: n-Octacosane (45-120%)				*75 %*				

TestAmerica Irvine

Philip Sanelle
Project Manager

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

Project ID: 500 40th St., Oakland, CA

Report Number: IUI2687

Sampled: 09/26/11
Received: 09/29/11

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: IUI2687-01 (MW-3 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11J0463	50	**750**	1	10/5/2011	10/5/2011	
Surrogate: Dibromofluoromethane (80-120%)				*92 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				
Sample ID: IUI2687-02 (OMW-6 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11J0463	100	**7000**	2	10/5/2011	10/5/2011	
Surrogate: Dibromofluoromethane (80-120%)				*93 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				
Sample ID: IUI2687-03 (OMW-9 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11J0463	50	**1600**	1	10/5/2011	10/6/2011	
Surrogate: Dibromofluoromethane (80-120%)				*90 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*95 %*				
Sample ID: IUI2687-04 (OMW-13 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11J0463	50	**890**	1	10/5/2011	10/6/2011	
Surrogate: Dibromofluoromethane (80-120%)				*91 %*				
Surrogate: Toluene-d8 (80-120%)				*98 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*91 %*				

TestAmerica Irvine

Philip Sanelle
Project Manager

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

Project ID: 500 40th St., Oakland, CA
Report Number: IUI2687

Sampled: 09/26/11
Received: 09/29/11

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: IUI2687-01 (MW-3 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11J0463	0.50	**2.9**	1	10/5/2011	10/5/2011	
Ethylbenzene	EPA 8260B	11J0463	0.50	**1.5**	1	10/5/2011	10/5/2011	
Toluene	EPA 8260B	11J0463	0.50	ND	1	10/5/2011	10/5/2011	
Xylenes, Total	EPA 8260B	11J0463	1.0	ND	1	10/5/2011	10/5/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11J0463	1.0	ND	1	10/5/2011	10/5/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11J0463	1.0	ND	1	10/5/2011	10/5/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11J0463	1.0	ND	1	10/5/2011	10/5/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11J0463	1.0	ND	1	10/5/2011	10/5/2011	
tert-Butanol (TBA)	EPA 8260B	11J0463	10	ND	1	10/5/2011	10/5/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				
Surrogate: Dibromofluoromethane (80-120%)				*92 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Sample ID: IUI2687-02 (OMW-6 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11J0463	1.0	**2.3**	2	10/5/2011	10/5/2011	
Ethylbenzene	EPA 8260B	11J0463	1.0	**40**	2	10/5/2011	10/5/2011	
Toluene	EPA 8260B	11J0463	1.0	ND	2	10/5/2011	10/5/2011	
Xylenes, Total	EPA 8260B	11J0463	2.0	ND	2	10/5/2011	10/5/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11J0463	2.0	ND	2	10/5/2011	10/5/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11J0463	2.0	ND	2	10/5/2011	10/5/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11J0463	2.0	ND	2	10/5/2011	10/5/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11J0463	2.0	ND	2	10/5/2011	10/5/2011	
tert-Butanol (TBA)	EPA 8260B	11J0463	20	ND	2	10/5/2011	10/5/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				
Surrogate: Dibromofluoromethane (80-120%)				*93 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				

TestAmerica Irvine

Philip Sanelle
Project Manager

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

Project ID: 500 40th St., Oakland, CA

Report Number: IUI2687

Sampled: 09/26/11
Received: 09/29/11

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: IUI2687-03 (OMW-9 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11J0463	0.50	**0.97**	1	10/5/2011	10/6/2011	
Ethylbenzene	EPA 8260B	11J0463	0.50	**0.62**	1	10/5/2011	10/6/2011	
Toluene	EPA 8260B	11J0463	0.50	ND	1	10/5/2011	10/6/2011	
Xylenes, Total	EPA 8260B	11J0463	1.0	ND	1	10/5/2011	10/6/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11J0463	1.0	ND	1	10/5/2011	10/6/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11J0463	1.0	ND	1	10/5/2011	10/6/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11J0463	1.0	ND	1	10/5/2011	10/6/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11J0463	1.0	ND	1	10/5/2011	10/6/2011	
tert-Butanol (TBA)	EPA 8260B	11J0463	10	ND	1	10/5/2011	10/6/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*95 %*				
Surrogate: Dibromofluoromethane (80-120%)				*90 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				
Sample ID: IUI2687-04 (OMW-13 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11J0463	0.50	ND	1	10/5/2011	10/6/2011	
Ethylbenzene	EPA 8260B	11J0463	0.50	ND	1	10/5/2011	10/6/2011	
Toluene	EPA 8260B	11J0463	0.50	ND	1	10/5/2011	10/6/2011	
Xylenes, Total	EPA 8260B	11J0463	1.0	ND	1	10/5/2011	10/6/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11J0463	1.0	ND	1	10/5/2011	10/6/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11J0463	1.0	ND	1	10/5/2011	10/6/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11J0463	1.0	ND	1	10/5/2011	10/6/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11J0463	1.0	ND	1	10/5/2011	10/6/2011	
tert-Butanol (TBA)	EPA 8260B	11J0463	10	ND	1	10/5/2011	10/6/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*91 %*				
Surrogate: Dibromofluoromethane (80-120%)				*91 %*				
Surrogate: Toluene-d8 (80-120%)				*98 %*				

TestAmerica Irvine

Philip Sanelle
Project Manager

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

Project ID: 500 40th St., Oakland, CA
Report Number: IUI2687

Sampled: 09/26/11
Received: 09/29/11

METHOD BLANK/QC DATA

EXTRACTABLE FUEL HYDROCARBONS (EPA 8015B w/ Silica Gel Clean-up)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I3635 Extracted: 09/30/11										
Blank Analyzed: 10/05/2011 (11I3635-BLK1)										
DRO (C10-C28)	ND	50	ug/l							
Surrogate: n-Octacosane	*157*		*ug/l*	*200*		*78*	*45-120*			
LCS Analyzed: 10/05/2011 (11I3635-BS1)										**MNR1**
DRO (C10-C28)	717	50	ug/l	1000		72	40-115			
Surrogate: n-Octacosane	*158*		*ug/l*	*200*		*79*	*45-120*			
LCS Dup Analyzed: 10/05/2011 (11I3635-BSD1)										
DRO (C10-C28)	731	50	ug/l	1000		73	40-115	2	25	
Surrogate: n-Octacosane	*154*		*ug/l*	*200*		*77*	*45-120*			

TestAmerica Irvine

Philip Sanelle
Project Manager

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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: 500 40th St., Oakland, CA
Report Number: IUI2687

Sampled: 09/26/11
Received: 09/29/11

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: 11J0463 Extracted: 10/05/11										
Blank Analyzed: 10/05/2011 (11J0463-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	50	ug/l							
Surrogate: Dibromofluoromethane	*23.1*		*ug/l*	*25.0*		*93*	*80-120*			
Surrogate: Toluene-d8	*24.7*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.4*		*ug/l*	*25.0*		*93*	*80-120*			
LCS Analyzed: 10/05/2011 (11J0463-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	493	50	ug/l	500		99	55-130			
Surrogate: Dibromofluoromethane	*24.5*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Toluene-d8	*25.1*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.8*		*ug/l*	*25.0*		*95*	*80-120*			
Matrix Spike Analyzed: 10/05/2011 (11J0463-MS1)					**Source: IUI2687-01**					**MCP**
Volatile Fuel Hydrocarbons (C4-C12)	2280	50	ug/l	1720	754	88	50-145			
Surrogate: Dibromofluoromethane	*23.6*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: Toluene-d8	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.4*		*ug/l*	*25.0*		*101*	*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: 11J0463 Extracted: 10/05/11										
Blank Analyzed: 10/05/2011 (11J0463-BLK1)										
Benzene	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	*23.4*		*ug/l*	*25.0*		*93*	*80-120*			
Surrogate: Dibromofluoromethane	*23.1*		*ug/l*	*25.0*		*93*	*80-120*			
Surrogate: Toluene-d8	*24.7*		*ug/l*	*25.0*		*99*	*80-120*			
LCS Analyzed: 10/05/2011 (11J0463-BS1)										
Benzene	24.6	0.50	ug/l	25.0		98	70-120			
Ethylbenzene	26.9	0.50	ug/l	25.0		108	75-125			
Toluene	25.2	0.50	ug/l	25.0		101	70-120			
m,p-Xylenes	53.4	1.0	ug/l	50.0		107	75-125			
o-Xylene	26.7	0.50	ug/l	25.0		107	75-125			
Xylenes, Total	80.1	1.0	ug/l	75.0		107	70-125			
Di-isopropyl Ether (DIPE)	26.3	1.0	ug/l	25.0		105	60-135			
Ethyl tert-Butyl Ether (ETBE)	26.3	1.0	ug/l	25.0		105	65-135			
Methyl-tert-butyl Ether (MTBE)	25.8	1.0	ug/l	25.0		103	60-135			
tert-Amyl Methyl Ether (TAME)	27.3	1.0	ug/l	25.0		109	60-135			
tert-Butanol (TBA)	131	10	ug/l	125		105	70-135			
Surrogate: 4-Bromofluorobenzene	*24.7*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: Dibromofluoromethane	*23.4*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: Toluene-d8	*24.7*		*ug/l*	*25.0*		*99*	*80-120*			

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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: 11J0463 Extracted: 10/05/11										
Matrix Spike Analyzed: 10/05/2011 (11J0463-MS1)					**Source: IUI2687-01**					**MCP**
Benzene	26.1	0.50	ug/l	25.0	2.89	93	65-125			
Ethylbenzene	27.6	0.50	ug/l	25.0	1.53	104	65-130			
Toluene	25.1	0.50	ug/l	25.0	ND	100	70-125			
m,p-Xylenes	51.1	1.0	ug/l	50.0	ND	102	65-130			
o-Xylene	26.0	0.50	ug/l	25.0	ND	104	65-125			
Xylenes, Total	77.1	1.0	ug/l	75.0	ND	103	60-130			
Di-isopropyl Ether (DIPE)	25.2	1.0	ug/l	25.0	ND	101	60-140			
Ethyl tert-Butyl Ether (ETBE)	26.4	1.0	ug/l	25.0	ND	105	60-135			
Methyl-tert-butyl Ether (MTBE)	26.4	1.0	ug/l	25.0	ND	106	55-145			
tert-Amyl Methyl Ether (TAME)	28.9	1.0	ug/l	25.0	ND	115	60-140			
tert-Butanol (TBA)	132	10	ug/l	125	ND	105	65-140			
Surrogate: 4-Bromofluorobenzene	*25.4*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Dibromofluoromethane	*23.6*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: Toluene-d8	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			

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DATA QUALIFIERS AND DEFINITIONS

MCP No results were reported for the MS and/or MSD due to a clogged autosampler port. Batch was accepted based on Blank Spike (LCS) recoveries.

MNR1 There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.

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.

For Extractable Fuel Hydrocarbons (EFH, DRO, ORO) :

Unless otherwise noted, Extractable Fuel Hydrocarbons (EFH, DRO, ORO) are quantitated against a Diesel Fuel Standard.

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Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
EPA 8015B	Water	X	X
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

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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 241513

INCIDENT # (ENV SERVICES): 97093400 ☐ CHECK IF NO INCIDENT # APPLIES

DATE: 9/26/11

PAGE: 1 of 1

PO #: 40-40349733

SAP #:

SAMPLING COMPANY: Blaine Tech Services

LOG CODE: BTSS

SITE ADDRESS: Street and City: 500 40th St., Oakland

State: CA

GLOBAL ID NO.: T0600101265

ADDRESS: 1680 Rogers Avenue, San Jose, CA

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

PHONE NO.: 510-420-3343

E-MAIL: shelledf@craworld.com

CONSULTANT PROJECT NO.: 110926 -MC1

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

TELEPHONE: 310-995-4455 x 108

FAX: 310-637-5802

E-MAIL: lking@blainetech.com

SAMPLER NAME(S) (Print): Matthew Linder

LAB USE ONLY: 10.2687

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

Run TPH-D w/ Silica Gel Clean Up

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

REQUESTED ANALYSIS

TEMPERATURE ON RECEIPT C°: 3.5

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 (8260B)	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)	Container PID Readings or Laboratory Notes
	MW-3	9/26/11	1155	W	X			X		5	X	X					X							
	OMW-6		1220		X			X		5	X	X					X							
	QMW-9		1125		X			X		5	X	X					X							
	QMW-13		1045		X			X		5	X	X					X							

Relinquished by: (Signature)	Received by: (Signature)	Date: 9/27/11	Time: 1730
Relinquished by: (Signature)	Received by: (Signature)	Date: 9/28/11	Time: 1235
Relinquished by: (Signature) 9-28-11 1900	Received by: (Signature)	Date: 9/29/11	Time: 0955

05/2/06 Revision