CONESTOGA-ROVERS & ASSOCIATES

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

TRANSMITTAL

DATE: April 10, 2012

REFERENCE NO.: 240734

PROJECT NAME: 285 Hegenberger Road, Oakland

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

RECEIVED
2:01 pm, Apr 16, 2012
Alameda County
Environmental Health

Please find enclosed:
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- ☒ Final
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- ☒ Other GeoTracker and Alameda County FTP

QUANTITY	DESCRIPTION
1	Groundwater Monitoring Report – First Quarter 2012

- ☐ 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)
Sam Anabi, CAR Enterprises (lessee), 1040 North Benson Avenue, Upland, CA 91786-2157
JT, Elizabeth G, WT, and Jeanette Watters Trust (fee title owners), Shell Oil, POB 4369, Houston, Texas, 77210

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

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

Re: Shell-branded Service Station
285 Hegenberger Road
Oakland, California
SAP Code 135691
Incident No. 98995749
ACEH Case No. RO0000220

Dear Mr. Wickham:

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

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

Sincerely,

Denis L. Brown
Senior Program Manager

GROUNDWATER MONITORING REPORT - FIRST QUARTER 2012

SHELL-BRANDED SERVICE STATION
285 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

SAP CODE	135691
INCIDENT NO.	98995749
AGENCY NO.	RO0000220

Prepared by:
Conestoga-Rovers & Associates

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

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APRIL 10, 2012
REF. NO. 240734 (7)
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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	285 Hegenberger Road, Oakland
Site Use	Shell-branded Service Station
Shell Project Manager	Denis Brown
CRA Project Manager	Peter Schaefer
Lead Agency and Contact	ACEH, Jerry Wickham
Agency Case No.	RO0000220
Shell SAP Code	135691
Shell Incident No.	98995749

Date of most recent agency correspondence was May 25, 2010 (electronic).

2.0 SITE ACTIVITIES, FINDINGS, AND DISCUSSION

2.1 CURRENT QUARTER'S ACTIVITIES

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

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.

Per CRA's March 7, 2012 telephone conversation with Alameda County Environmental Health (ACEH), groundwater monitoring wells MW-11 through MW-13 are inaccessible due to Bay Area Rapid Transit (BART) construction in the median of Hegenberger Road.

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Variable
Hydraulic Gradient	Variable
Depth to Water	2.83 to 5.13 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 will be monitored annually during the first quarter, and CRA will issue a groundwater monitoring report annually following the sampling event.

CRA will attempt to relocate and properly destroy groundwater monitoring wells MW-11 through MW-13 following the completion of BART construction.

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

Peter Schaefer, CHG, CEG

Aubrey K. Cool, PG

FIGURES

02/24/09

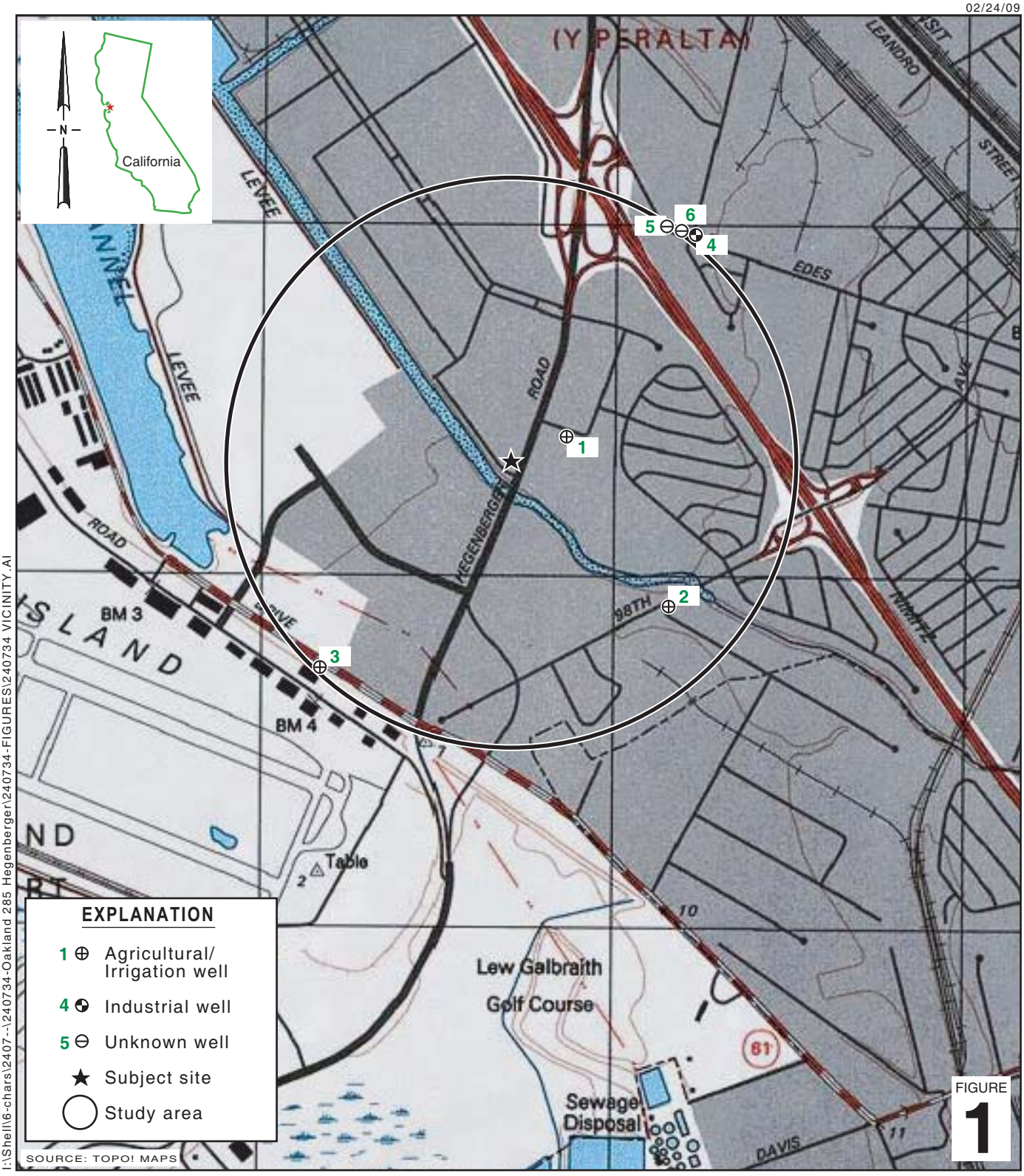

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FIGURE 1

0 1/8 1/4 1/2 1

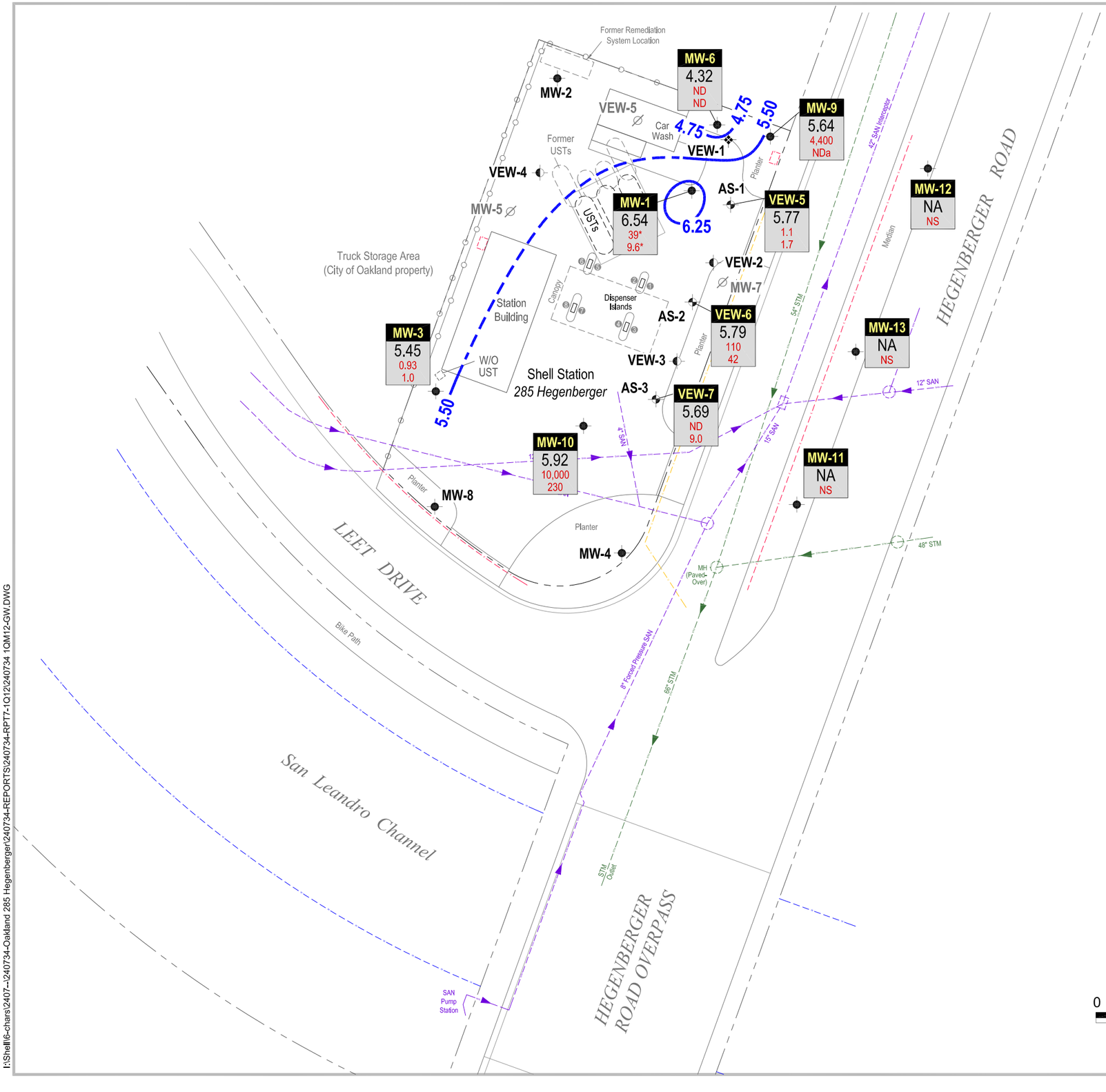
SCALE : 1" = 1/4 MILE

Shell-branded Service Station
285 Hegenberger Road
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

02/29/2012



EXPLANATION

VEW-5/ AS-1	Co-axial vapor and sparge well; air-sparge well not monitored or sampled
MW-1	Groundwater monitoring well location
VEW-1	Soil vapor extraction well
VEW-2	Dual completion air sparging/soil vapor extraction well
VEW-5	Abandoned well location
1	Product dispenser number
	Electrical line (E)
	Gas line (G)
	Storm drain line (STM)
	Sanitary sewer line (SAN)
	Manhole (MH)
	Utility vault
XX.XX	Groundwater elevation contour, in feet above mean sea level (ft MSL); dashed where inferred

Well
ELEV.
Benzene
MTBE

- Well designation
- Groundwater elevation, in ft MSL
- Benzene and MTBE concentrations are in micrograms per liter

Notes:
NA = Not available; well not accessible
ND = Not detected
NDa = Elevated reporting limit, see laboratory report for details
NS = Not sampled; well not accessible
*** =** Sample container contained headspace

N

0 25 50 100
Scale (ft)

FIGURE
2

Groundwater Contour and Chemical Concentration Map

January 5, 2012

CONESTOGA-ROVERS & ASSOCIATES

Shell-branded Service Station

285 Hegenberger Road
Oakland, California

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TABLE

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
285 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

Well ID	Date	TPHmo (µg/L)	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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-1	02/16/1989	---	---	99,000	20,000	23,000	5,700	2,300	---	---	---	---	---	---	6.64	3.83	2.81	---
MW-1	05/23/1989	---	11,000	48,000	4,200	5,200	1,200	7,700	---	---	---	---	---	---	6.64	3.59	3.05	---
MW-1	08/03/1989	---	11,000	63,000	5,500	5,500	3,200	9,500	---	---	---	---	---	---	6.64	4.04	2.60	---
MW-1	12/15/1989	---	11,000	30,000	ND	ND	ND	ND	---	---	---	---	---	---	6.64	4.22	2.42	---
MW-1	02/07/1990	---	10,000	93,000	13,000	9,600	2,400	14,000	---	---	---	---	---	---	6.64	4.60	2.04	---
MW-1	04/18/1990	---	8,700	55,000	14,000	8,400	3,200	13,000	---	---	---	---	---	---	6.64	4.02	2.62	---
MW-1	07/23/1990	---	3,600	73,000	16,000	7,400	2,800	15,000	---	---	---	---	---	---	6.64	4.17	2.47	---
MW-1	09/27/1990	---	1,700	45,000	8,000	4,300	2,000	11,000	---	---	---	---	---	---	6.64	4.60	2.04	---
MW-1	01/03/1991	---	3,100	43,000	10,000	3,400	1,900	11,000	---	---	---	---	---	---	6.64	4.88	1.76	---
MW-1	04/10/1991	---	1,800	67,000	20,000	9,600	3,500	16,000	---	---	---	---	---	---	6.64	3.55	3.09	---
MW-1	07/12/1991	---	---	---	---	---	---	---	---	---	---	---	---	---	6.64	3.97	2.67	---
MW-1	10/08/1991	---	7,400	55,000	18,000	3,500	2,300	8,600	---	---	---	---	---	---	6.64	4.26	2.38	---
MW-1	02/06/1992	---	15,000 a	48,000	12,000	2,800	1,900	7,400	---	---	---	---	---	---	6.64	4.94	1.70	---
MW-1	05/04/1992	---	10,000 a	71,000	16,000	6,000	3,100	14,000	---	---	---	---	---	---	6.64	3.58	3.06	---
MW-1	07/28/1992	---	18,000 a	68,000	21,000	5,500	3,400	15,000	---	---	---	---	---	---	6.64	3.91	2.73	---
MW-1 (D)	07/28/1992	---	19,000 a	70,000	17,000	5,000	2,700	13,000	---	---	---	---	---	---	6.64	3.91	2.73	---
MW-1	10/27/1992	---	1,300	53,000	18,000	3,700	3,400	11,000	---	---	---	---	---	---	6.64	4.79	1.85	---
MW-1 (D)	10/27/1992	---	2,500 a	48,000	17,000	3,600	3,100	9,900	---	---	---	---	---	---	6.64	4.79	1.85	---
MW-1	01/14/1993	---	2,200 a	84,000	17,000	5,400	3,000	13,000	---	---	---	---	---	---	6.64	3.39	3.25	---
MW-1	04/23/1993	---	2,300 a	100,000	18,000	7,800	4,700	20,000	---	---	---	---	---	---	6.64	2.67	3.97	---
MW-1	07/20/1993	---	3,100 a	41 a	12,000	870	1,500	4,400	---	---	---	---	---	---	9.50	3.48	6.02	---
MW-1	10/18/1993	---	8,100 a	33,000	14,000	1,200	2,000	4,900	---	---	---	---	---	---	9.50	4.20	5.30	---
MW-1 (D)	10/18/1993	---	3,700 a	44,000	14,000	1,200	2,000	4,900	---	---	---	---	---	---	9.50	4.20	5.30	---
MW-1	01/06/1994	---	9,000 a	71,000	9,000	870	1,600	5,100	---	---	---	---	---	---	9.50	4.13	5.37	---
MW-1	04/12/1994	---	5,900	42,000	6,600	170	2,300	4,700	---	---	---	---	---	---	9.50	2.42	7.08	---
MW-1 (D)	04/12/1994	---	4,700	40,000	6,300	180	2,000	4,400	---	---	---	---	---	---	9.50	2.42	7.08	---
MW-1	07/25/1994	---	7,000 a	13,000	4,400	110	460	1,400	---	---	---	---	---	---	9.50	3.37	6.13	---
MW-1	10/25/1994	---	3,900	19,000	5,500	210	880	2,000	---	---	---	---	---	---	9.50	4.07	5.43	---
MW-1	01/09/1995	---	8,600 a	37,000	6,700	800	2,800	8,900	---	---	---	---	---	---	9.50	2.65	6.85	---
MW-1	04/11/1995	---	5,500	26,000	4,700	270	1,800	3,400	---	---	---	---	---	---	9.50	2.38	7.12	---
MW-1	07/18/1995	---	7,000	57,000	7,500	880	4,100	11,000	---	---	---	---	---	---	9.50	3.49	6.01	---
MW-1 (D)	07/19/1995	---	6,600	46,000	6,000	670	3,200	7,500	---	---	---	---	---	---	9.50	3.49	6.01	---
MW-1	10/18/1995	---	3,200 b	37,000 b	5,400 b	450 b	2,600 b	7,400 b	10,000 b	---	---	---	---	---	9.50	---	---	---
MW-1	01/09/1996	---	---	32,000	3,000	240	1,900	3,500	6,100	---	---	---	---	---	9.50	2.95	6.55	---
MW-1	04/02/1996	---	---	30,000	3,100	260	2.0	3,900	8.0	---	---	---	---	---	9.50	2.00	7.50	---
MW-1	10/03/1996	---	2,800	18,000	3,000	120	1,200	1,700	7,500	---	---	---	---	---	9.50	3.21	6.29	2.2
MW-1	04/03/1997	---	3,000	29,000	2,300	170	2,300	2,900	4,300	---	---	---	---	---	9.50	2.84	6.66	2.2
MW-1	10/08/1997	---	3,600	22,000	920	71	2,400	2,200	820	---	---	---	---	---	9.50	2.58	6.92	1.5
MW-1	06/10/1998	---	2,900	13,000	860	<100	1,300	500	29,000	32,000	---	---	---	---	9.50	2.67	6.83	0.5/0.5

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
285 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

Well ID	*Date*	*TPHmo (µg/L)*	*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)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*	*DO Reading (mg/L)*
MW-1 (D)	06/10/1998	---	2,100	9,400	870	<50	1,300	520	28,000	---	---	---	---	---	9.50	2.67	6.83	0.5/0.5
MW-1	12/30/1998	---	1,540	6,930	714	52.7	243	<25.0	9,000	---	---	---	---	---	9.50	4.68	4.82	1.6/1.4
MW-1	06/25/1999	r	r	12,600	1,110	44.7	1,340	710	6,080	---	---	---	---	---	9.50	2.86	6.64	1.2/2.1
MW-1	12/28/1999	---	1,170	3,260	527	14.0	50.7	40.3	5,430	7,060 b	---	---	---	---	9.50	3.23	6.27	1.4/1.8
MW-1	05/31/2000	---	2,050	6,820	1,620	<50.0	116	<50.0	6,070	4,710	---	---	---	---	9.50	2.39	7.11	0.98/2.27
MW-1	10/17/2000	---	995 a	2,530	388	<10.0	16.4	22.1	917	---	---	---	---	---	9.50	2.05	7.45	4.0/3.1
MW-1	05/01/2001	---	1,510	12,300	1,480	19.5	205	111	4,160	---	---	---	---	---	9.50	3.55	5.95	1.6/1.3
MW-1	11/05/2001	---	---	---	---	---	---	---	---	---	---	---	---	---	9.85 e	4.43	5.42	0.4
MW-1	11/07/2001	---	<1,000	3,000	290	6.0	11	15	---	870	---	---	---	---	9.85	4.00	5.85	2.1/1.4
MW-1	05/01/2002	---	<2,000	11,000	2,100	29	180	68	---	1,500	---	---	---	---	9.85	3.14	6.71	3.4/2.3
MW-1	07/16/2002	---	<1,500	7,400	1,200	22	37	24	---	1,900	---	---	---	---	9.85	3.69	6.16	0.9/0.8
MW-1	10/17/2002	---	<2,000	4,600	810	16	68	31	---	1,600	---	---	---	---	9.44	4.76	4.68	0.8/1.2
MW-1	01/21/2003	---	<7,000	11,000	1,100	28	210	53	---	1,100	---	---	---	---	9.44	3.50	5.94	0.3/0.7
MW-1	05/01/2003	---	4,900 a	13,000	1,500	33	260	68	---	1,700	---	---	---	---	9.44	3.04	6.40	---
MW-1	07/17/2003	---	3,200 a,f	10,000	2,400	<50	250	<100	---	3,100	---	---	---	---	9.44	3.92	5.52	---
MW-1	10/02/2003	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	9.44	---	---	---
MW-1	10/16/2003	---	3,700 a	8,500	1,100	26	140	41	---	1,700	---	---	---	---	9.44	4.65	4.79	---
MW-1	01/05/2004	---	4,300 a	11,000	1,600	29	200	45	---	1,400	---	---	---	---	9.44	2.39	7.05	---
MW-1	04/01/2004	---	3,700 a	10,000	1,500	28	330	59	---	630	---	---	---	---	9.44	3.06	6.38	---
MW-1	08/02/2004	<1,000	4,600 a	9,100	1,700	17	200	24	---	1,700	2,900	<40	<40	<40	9.44	4.50	4.94	---
MW-1	11/02/2004	<500	3,100 g	9,100	2,100	50	140	70	---	680	---	---	---	---	9.44	3.08	6.36	---
MW-1	01/10/2005	<500	3,600 g	21,000	2,700	31	1,000	880	---	1,000	---	---	---	---	9.44	2.43	7.01	---
MW-1	04/13/2005	740	2,500 a	8,800	1,500	20	180	130	---	430	---	---	---	---	9.44	2.44	7.00	---
MW-1	07/20/2005	530	5,900 g	11,000	880	23	150	99	---	570	2,100	<40	<40	<40	9.44	4.65	4.79	---
MW-1	10/24/2005	1,100 l	5,100 a	8,900	2,100	23	68	37	---	780	760	---	---	---	9.37	3.70	5.67	---
MW-1	01/04/2006	279 f	2,830 f	11,800	562	12.6	35.0	24.4	---	99.2	90.7	---	---	---	9.37	1.92	7.45	---
MW-1	07/26/2006	690	5,100	12,700	389	15.9	55.5	40.1	---	727	841	<0.500	<0.500	<0.500	9.37	3.18	6.19	---
MW-1	01/02/2007	<100 f	1,200 f	8,700	1,000	23	59	32	---	230	<5.0	---	---	---	9.37	3.21	6.16	---
MW-1	07/12/2007	<250 f	2,500 f	6,600 m	1,400	22 n	47	28.0 n	---	390	310	<50	<50	<50	9.37	3.91	5.46	---
MW-1	01/10/2008	<250 f	1,400 f,o	7,100 m	1,500	25	39	34	---	190	840	---	---	---	9.37	3.03	6.34	---
MW-1	07/31/2008	<250 f	2,500 f,o	12,000	930	26	33	29	---	86	<200	<40	<40	<40	9.37	3.72	5.65	---
MW-1	01/06/2009	<250 f	2,600 f,o	6,200	840	29	72	41	---	180	260	---	---	---	9.37	3.73	5.64	---
MW-1	07/01/2009	<250 f	95 f	710	110	7.7	3.8	4.1	---	37	110	<2.0	<2.0	<2.0	9.37	3.92	5.45	---
MW-1	01/04/2010	<250 f	1,000 f, o	4,400	510	17	39	23	---	110	250	---	---	---	9.37	3.62	5.75	---
MW-1	01/18/2011	---	1,500 q	4,300	360	12	18	26	---	31	<100	<10	<10	<10	9.37	3.02	6.35	---
MW-1	**01/05/2012**	**---**	**550 f**	**4,000 m**	**39 s**	**6.1 s**	**7.7 s**	**18 s**	**---**	**9.6 s**	**35 s**	**<1.0 s**	**<1.0 s**	**<1.0 s**	**9.37**	**2.83**	**6.54**	**---**
MW-2	02/16/1989	---	---	20,000	200	900	2,700	9,600	---	---	---	---	---	---	7.68	5.33	2.35	---
MW-2	05/23/1989	---	1,600	1,500	4.3	2.9	11	150	---	---	---	---	---	---	7.68	5.23	2.45	---

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
285 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

Well ID	Date	TPHmo (µg/L)	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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-2	08/03/1989	---	7,400	15,000	75	120	850	2,200	---	---	---	---	---	---	7.68	6.03	1.65	---
MW-2	12/15/1989	---	2,600	5,000	52	13	4.1	290	---	---	---	---	---	---	7.68	6.43	1.25	---
MW-2	02/07/1990	---	4,800	13,000	32	34	230	640	---	---	---	---	---	---	7.68	5.82	1.86	---
MW-2	04/18/1990	---	3,200	9,800	33	19	460	1,700	---	---	---	---	---	---	7.68	5.88	1.80	---
MW-2	07/23/1990	---	2,700	9,600	41	27	540	940	---	---	---	---	---	---	7.68	6.05	1.63	---
MW-2	10/01/1990	---	1,600	390	3.4	15	8.5	25	---	---	---	---	---	---	7.68	---	---	---
MW-2	01/03/1991	---	830	1,800	56	4.4	4.8	92	---	---	---	---	---	---	7.68	6.82	0.86	---
MW-2	04/10/1991	---	280	1,900	ND	28	140	490	---	---	---	---	---	---	7.68	4.80	2.88	---
MW-2	07/12/1991	---	1,100	8,100	89	66	350	930	---	---	---	---	---	---	7.68	5.70	1.98	---
MW-2	10/08/1991	---	2,600	1,400	5.1	1.5	36	270	---	---	---	---	---	---	7.68	6.40	1.28	---
MW-2	02/06/1992	---	5,400 a	2,000	7.8	2.5	130	210	---	---	---	---	---	---	7.68	6.40	1.28	---
MW-2	05/04/1992	---	1,000	21	ND	ND	300	960	---	---	---	---	---	---	7.68	4.68	3.00	---
MW-2	07/28/1992	---	830 a	2,100	7.7	3.3	130	310	---	---	---	---	---	---	7.68	5.86	1.82	---
MW-2	10/27/1992	---	530	1,100	16	3.1	4.5	25	---	---	---	---	---	---	7.68	6.96	0.72	---
MW-2	01/14/1993	---	170 a	290	5.2	3.1	8.4	21	---	---	---	---	---	---	7.68	4.12	3.56	---
MW-2	04/23/1993	---	1,200 a	2,400	ND	ND	210	610	---	---	---	---	---	---	7.68	3.84	3.84	---
MW-2	07/20/1993	---	130	440	1.7	1.7	15	38	---	---	---	---	---	---	10.55	5.17	5.38	---
MW-2	10/18/1993	---	1,600 a	2,100	ND	ND	90	110	---	---	---	---	---	---	10.55	6.20	4.35	---
MW-2	01/06/1994	---	130	1.9 a	ND	6.7	7.1	12	---	---	---	---	---	---	10.55	5.39	5.16	---
MW-2	04/12/1994	---	130	120	ND	ND	3.4	4.3	---	---	---	---	---	---	10.55	4.72	5.83	---
MW-2	07/25/1994	---	280 a	0.18 a	5.3	ND	6.2	8.2	---	---	---	---	---	---	10.55	5.44	5.11	---
MW-2	10/25/1994	---	400	170	ND	ND	ND	ND	---	---	---	---	---	---	10.55	6.73	3.82	---
MW-2	01/09/1995	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	10.55	4.34	6.21	---
MW-2	04/11/1995	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	10.55	3.72	6.83	---
MW-2	07/18/1995	---	160	250	2.8	0.5	12	13	---	---	---	---	---	---	10.55	4.91	5.64	---
MW-2	10/18/1995	---	---	---	---	---	---	---	---	---	---	---	---	---	10.55	5.88	4.67	---
MW-2	01/09/1996	---	130	790	5.1	1.5	2.4	4.6	1,400	---	---	---	---	---	10.55	4.75	5.80	---
MW-2	04/02/1996	---	---	260	<2	<2	13	6.9	540	---	---	---	---	---	10.55	3.25	7.30	---
MW-2	10/03/1996	---	620	<2,000	<20	<20	<20	<20	13,000	---	---	---	---	---	10.55	5.27	5.28	2.3
MW-2	04/03/1997	---	190	<1,000	<10	<10	<10	<10	2,800	---	---	---	---	---	10.55	3.99	6.56	2.2
MW-2	10/08/1997	---	1,100	<5,000	<50	<50	<50	<50	d	---	---	---	---	---	10.55	5.03	5.52	1.6
MW-2	06/10/1998	---	310	120	1.7	<1.0	<1.0	<1.0	3,800	---	---	---	---	---	10.55	4.11	6.44	0.7/0.6
MW-2	12/30/1998	---	1,050	<5,000	<50.0	<50.0	<50.0	<50.0	12,100	15,300	---	---	---	---	10.55	4.76	5.79	1.3/1.2
MW-2	06/25/1999	r	r	<1,000	<10.0	<10.0	<10.0	<10.0	7,570	---	---	---	---	---	10.55	4.63	5.92	2.3/2.5
MW-2	12/28/1999	---	446	228	4.54	<0.500	<0.500	<0.500	4,260	---	---	---	---	---	10.55	4.95	5.60	2.1/2.4
MW-2	05/31/2000	---	187	597	19.3	<0.500	0.860	<0.500	2,480	---	---	---	---	---	10.55	4.06	6.49	1.8/2.7
MW-2	10/17/2000	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	10.55	---	---	---
MW-2	05/01/2001	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	10.55	---	---	---
MW-2	11/05/2001	---	610	<500	<5.0	<5.0	<5.0	<5.0	---	1,800	---	---	---	---	10.55	6.12	4.43	0.6/1.1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
285 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

Well ID	Date	TPHmo (µg/L)	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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-2	05/01/2002	---	<50	440	<2.5	<2.5	<2.5	<2.5	---	1,300	---	---	---	---	10.55	3.85	6.70	6.2/0.9
MW-2	07/16/2002	---	250	<500	<5.0	<5.0	<5.0	<5.0	---	2,100	---	---	---	---	10.55	4.56	5.99	0.9/1.3
MW-2	10/17/2002	---	240	280	<1.0	<1.0	<1.0	<1.0	---	270	---	---	---	---	10.10	5.90	4.20	0.6/2.2
MW-2	01/21/2003	---	72	160	<0.50	<0.50	<0.50	<0.50	---	380	---	---	---	---	10.10	4.11	5.99	0.5/1.0
MW-2	05/01/2003	---	<50	350	<0.50	<0.50	<0.50	<1.0	---	110	---	---	---	---	10.10	4.18	5.92	---
MW-2	07/17/2003	---	61 a,f	120	<0.50	<0.50	<0.50	<1.0	---	14	---	---	---	---	10.10	4.72	5.38	---
MW-2	10/02/2003	---	200 a	190	1.6	<0.50	<0.50	<1.0	---	17	---	---	---	---	10.10	5.76	4.34	---
MW-2	01/05/2004	---	<50	77	<0.50	0.86	<0.50	<1.0	---	1.3	---	---	---	---	10.10	3.28	6.82	---
MW-2	04/01/2004	---	<50	450 a	<0.50	<0.50	<0.50	<1.0	---	1.6	---	---	---	---	10.10	3.71	6.39	---
MW-2	08/02/2004	<500	130 a	110	<0.50	<0.50	<0.50	<1.0	---	3.9	150	<2.0	<2.0	<2.0	10.10	5.50	4.60	---
MW-2	11/02/2004	<500	55 a	130	<0.50	<0.50	<0.50	<1.0	---	1.7	---	---	---	---	10.10	4.37	5.73	---
MW-2	01/10/2005	<500	<50	81	<0.50	<0.50	<0.50	<1.0	---	0.65	---	---	---	---	10.10	3.70	6.40	---
MW-2	04/13/2005	<500 b	<50 b	500	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	10.10	3.13	6.97	---
MW-2	07/20/2005	<500	330 a	810	11	<5.0	<5.0	<10	---	11	1,800	<20	<20	<20	10.10	5.75	4.35	---
MW-2	10/24/2005	<500	100 a	320	<0.50	<0.50	<0.50	<1.0	---	4.7	570	---	---	---	10.07	5.30	4.77	---
MW-2	01/04/2006	<100 f	<100 f	<50.0	<0.500	<0.500	<0.500	<0.500	---	<0.500	<10.0	---	---	---	10.07	2.35	7.72	---
MW-2	07/26/2006	295	<93.9	402	<0.500	<0.500	<0.500	<0.500	---	2.11	19.4	<0.500	<0.500	<0.500	10.07	4.40	5.67	---
MW-2	01/02/2007	<100 f	<50 f	210	<0.50	<0.50	<0.50	<1.0	---	1.7	<5.0	---	---	---	10.07	4.37	5.70	---
MW-2	07/12/2007	<250 f	85 f	140 m	<0.50	<1.0	<1.0	<1.0	---	2.9	150	<2.0	<2.0	<2.0	10.07	5.12	4.95	---
MW-2	01/10/2008	<250 f	54 f,o	110 m	<0.50	<1.0	<1.0	<1.0	---	2.0	45	---	---	---	10.07	3.81	6.26	---
MW-2	07/31/2008	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	10.07	---	---	---
MW-2	08/07/2008	<250 f	56 f	68	<0.50	<1.0	<1.0	<1.0	---	4.8	290	<2.0	<2.0	<2.0	10.07	5.30	4.77	---
MW-2	01/06/2009	290 f	66 f	80	<0.50	<1.0	<1.0	<1.0	---	4.1	330	---	---	---	10.07	4.78	5.29	---
MW-2	07/01/2009	<250 f	<50 f	310	<0.50	<1.0	<1.0	<1.0	---	2.9	180	<2.0	<2.0	<2.0	10.07	4.74	5.33	---
MW-2	01/04/2010	<250 f	<50 f	100	<0.50	<1.0	<1.0	<1.0	---	3.0	110	---	---	---	10.07	4.52	5.55	---
MW-3	02/16/1989	---	---	60,000	5,500	ND	3,200	5,200	---	---	---	---	---	---	7.81	5.17	2.64	---
MW-3	05/23/1989	---	1,500	ND	ND	200	ND	ND	---	---	---	---	---	---	7.81	5.09	2.72	---
MW-3	08/03/1989	---	1,200	2,000	120	ND	ND	86	---	---	---	---	---	---	7.81	5.34	2.47	---
MW-3	12/15/1989	---	1,700	5,200	380	12	17	410	---	---	---	---	---	---	7.81	6.02	1.79	---
MW-3	02/07/1990	---	230	260	17	47	5.4	2.5	---	---	---	---	---	---	7.81	4.95	2.86	---
MW-3	04/18/1990	---	ND	260	ND	ND	ND	9.4	---	---	---	---	---	---	7.81	5.55	2.26	---
MW-3	07/23/1990	---	210	510	46	ND	ND	9.3	---	---	---	---	---	---	7.81	5.81	2.00	---
MW-3	09/27/1990	---	350	460	6.3	1.2	ND	15	---	---	---	---	---	---	7.81	6.86	0.95	---
MW-3	01/03/1991	---	630	4,800	920	1.7	ND	190	---	---	---	---	---	---	7.81	6.84	0.97	---
MW-3	04/10/1991	---	60	120	1.2	8.8	3.5	21	---	---	---	---	---	---	7.81	4.93	2.88	---
MW-3	07/12/1991	---	ND	430	12	0.8	ND	7.7	---	---	---	---	---	---	7.81	5.56	2.25	---
MW-3	10/08/1991	---	560	770	140	ND	ND	53	---	---	---	---	---	---	7.81	6.62	1.19	---
MW-3	02/06/1992	---	340 a	500	74	0.7	5.2	5.3	---	---	---	---	---	---	7.81	6.28	1.53	---

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
285 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

Well ID	Date	TPHmo (µg/L)	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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-3	05/04/1992	---	290 a	310	47	0.9	17	16	---	---	---	---	---	---	7.81	4.65	3.16	---
MW-3	07/28/1992	---	100 a	780	130	ND	13	4.2	---	---	---	---	---	---	7.81	5.56	2.25	---
MW-3	10/27/1992	---	69 a	740	92	ND	7.8	9.6	---	---	---	---	---	---	7.81	6.65	1.16	---
MW-3	01/14/1993	---	ND	ND	2.4	2.8	ND	ND	---	---	---	---	---	---	7.81	3.88	3.93	---
MW-3	01/06/1994	---	64	130	1.7	ND	ND	0.93	---	---	---	---	---	---	11.25 (TOB)	5.54	---	---
MW-3	04/12/1994	---	75	ND	0.82	ND	ND	0.7	---	---	---	---	---	---	11.25 (TOB)	4.82	---	---
MW-3	07/25/1994	---	ND	0.06 a	2.8	ND	ND	0.7	---	---	---	---	---	---	11.25 (TOB)	6.03 (TOB)	5.22	---
MW-3	10/25/1994	---	100	70	ND	ND	ND	ND	---	---	---	---	---	---	11.25 (TOB)	6.48	---	---
MW-3	01/09/1995	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	11.25 (TOB)	4.86 (TOB)	6.39	---
MW-3	04/11/1995	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	11.25 (TOB)	4.22 (TOB)	7.03	---
MW-3	07/18/1995	---	90	ND	2.8	ND	ND	ND	---	---	---	---	---	---	11.25 (TOB)	5.44 (TOB)	5.81	---
MW-3	10/18/1995	---	---	---	---	---	---	---	---	---	---	---	---	---	11.25 (TOB)	5.72	---	---
MW-3	01/09/1996	---	90	90	1.7	ND	<0.5	<0.5	61	---	---	---	---	---	11.25 (TOB)	4.96	---	---
MW-3	04/02/1996	---	---	<50	<0.5	<0.5	<0.5	<0.5	24	---	---	---	---	---	11.25 (TOB)	3.43	---	---
MW-3	10/03/1996	---	180	<500	<5	<5	<5	<5	1,200	---	---	---	---	---	11.25 (TOB)	5.39	---	2.4
MW-3	04/03/1997	---	83	150	3.2	<0.50	<0.50	0.81	280	---	---	---	---	---	11.25 (TOB)	4.20	---	2.0
MW-3	10/08/1997	---	120	180	7.3	0.68	0.54	3.9	1,700	---	---	---	---	---	11.25 (TOB)	5.51(TOB)	5.74	2.1
MW-3	06/10/1998	---	120	130	12	0.85	<0.50	2.1	600	---	---	---	---	---	11.25 (TOB)	3.91(TOB)	7.34	0.8/0.9
MW-3	12/30/1998	---	108	<250	<2.50	<2.50	<2.50	<2.50	1,010	---	---	---	---	---	11.25 (TOB)	5.76 (TOB)	5.49	1.3/1.4
MW-3	06/25/1999	r	r	269	4.24	<2.50	<2.50	<2.50	1,180	---	---	---	---	---	11.25 (TOB)	4.73	---	1.4/1.9
MW-3	12/28/1999	---	122	333	41.4	6.48	6.57	21.3	2,680	---	---	---	---	---	11.25 (TOB)	5.75 (TOB)	5.50	1.3/1.5
MW-3	05/31/2000	---	89.2	1,180	19.1	1.92	3.26	<1.00	2,130	---	---	---	---	---	11.25 (TOB)	4.96 (TOB)	6.29	1.2/2.2
MW-3	10/17/2000	---	183 a	156	5.22	0.819	<0.500	1.53	2,250	---	---	---	---	---	11.25 (TOB)	5.70 (TOB)	5.55	2.0/2.1
MW-3	05/01/2001	---	95.9	286	<2.50	<2.50	<2.50	<2.50	1,470	---	---	---	---	---	11.25 (TOB)	4.88 (TOB)	6.37	1.9/2.7
MW-3	05/29/2001	---	---	---	---	---	---	---	---	---	---	---	---	---	11.25 (TOB)	5.25 (TOB)	6.00	3.0/1.9
MW-3	11/05/2001	---	<50	<500	<5.0	<5.0	<5.0	<5.0	---	2,100	---	---	---	---	11.25 (TOB)	6.25 (TOB)	5.00	0.5/1.9
MW-3	05/01/2002	---	80	<100	<1.0	<1.0	<1.0	<1.0	---	430	---	---	---	---	11.25 (TOB)	4.77 (TOB)	6.48	4.1/0.7
MW-3	07/16/2002	---	340	410	12	2.0	<2.0	3.5	---	530	---	---	---	---	11.25 (TOB)	5.44 (TOB)	5.81	0.3/1.7
MW-3	10/17/2002	---	82	220	2.5	<2.0	<2.0	2.3	---	25	---	---	---	---	10.58	6.03	4.55	0.8/2.4
MW-3	01/21/2003	---	150	<50	<0.50	<0.50	<0.50	<0.50	---	28	---	---	---	---	10.58	4.30	6.28	1.2/1.0
MW-3	05/01/2003	---	<50	60	<0.50	<0.50	<0.50	<1.0	---	16	---	---	---	---	10.58	4.30	6.28	---
MW-3	07/17/2003	---	<50	120	1.2	<0.50	<0.50	<1.0	---	11	---	---	---	---	10.58	5.36	5.22	---
MW-3	10/02/2003	---	56 a	160	3.1	1.1	<0.50	2.1	---	8.2	---	---	---	---	10.58	6.00	4.58	---
MW-3	01/05/2004	---	<50	54	<0.50	<0.50	<0.50	<1.0	---	15	---	---	---	---	10.58	4.44	6.14	---
MW-3	04/01/2004	---	<50	<50	<0.50	<0.50	<0.50	<1.0	---	4.2	---	---	---	---	10.58	4.29	6.29	---
MW-3	08/02/2004	<500	<50	300	<2.5	<2.5	<2.5	<5.0	---	17	1,900	<10	<10	<10	10.58	5.80	4.78	---
MW-3	11/02/2004	<500	<50	72	0.51	<0.50	<0.50	<1.0	---	3.0	---	---	---	---	10.58	5.00	5.58	---
MW-3	01/10/2005	<500	<50	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	10.58	3.01	7.57	---
MW-3	04/13/2005	<500	<50	<50	<0.50	<0.50	<0.50	<1.0	---	0.69	---	---	---	---	10.58	2.89	7.69	---

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
285 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

Well ID	Date	TPHmo (µg/L)	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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-3	07/20/2005	<500	60 g	300	1.3	0.61	<0.50	1.2	---	4.7	780	<2.0	<2.0	<2.0	10.58	5.10	5.48	---
MW-3	10/24/2005	<500	57 a	210	1.2	<1.0	<1.0	<2.0	---	6.3	1,300	---	---	---	10.58	5.68	4.90	---
MW-3	01/04/2006	<100 f	<100 f	<50.0	<0.500	<0.500	<0.500	<0.500	---	<0.500	<10.0	---	---	---	10.58	2.80	7.78	---
MW-3	07/26/2006	264	94.6	681	1.67	1.04	<0.500	1.75	---	13.4	1,500	<0.500	<0.500	<0.500	10.58	4.70	5.88	---
MW-3	01/02/2007	<100 f	<50 f	150	<0.50	<0.50	<0.50	<1.0	---	3.7	600	---	---	---	10.58	4.96	5.62	---
MW-3	07/12/2007	<250 f	<50 f	240 m	0.28 n	0.45 n	<1.0	0.93 n	---	9.6	1,000	<2.0	0.48 n	<2.0	10.58	5.50	5.08	---
MW-3	01/10/2008	<250 f	82 f,o	160 m	<1.0	<2.0	<2.0	<2.0	---	4.2	940	---	---	---	10.58	4.72	5.86	---
MW-3	07/31/2008	<250 f	<50 f	160	<1.0	<2.0	<2.0	<2.0	---	11	1,300	<4.0	<4.0	<4.0	10.58	5.63	4.95	---
MW-3	01/06/2009	310 f	220 f	130	<1.0	<2.0	<2.0	<2.0	---	8.9	870	---	---	---	10.58	5.48	5.10	---
MW-3	07/01/2009	<250 f	260 f	170	6.7	<1.0	<1.0	1.4	---	16	640	<2.0	<2.0	<2.0	10.58	5.31	5.27	---
MW-3	01/04/2010	<250 f	95 f	290	11	1.0	<1.0	1.3	---	11	370	---	---	---	10.58	5.01	5.57	---
MW-3	01/18/2011	<470	<470	<50	2.2	<0.50	<0.50	<1.0	---	2.6	200	<1.0	<1.0	<1.0	10.58	3.84	6.74	---
MW-3	**01/05/2012**	**---**	**240 f**	**<50 m**	**0.93**	**<0.50**	**<0.50**	**<1.0**	**---**	**1.0**	**160**	**<1.0**	**<1.0**	**<1.0**	**10.58**	**5.13**	**5.45**	**---**
MW-4	05/23/1989	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	7.38	5.60	1.78	---
MW-4	08/03/1989	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	7.38	6.37	1.01	---
MW-4	12/15/1989	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	7.38	6.91	0.47	---
MW-4	03/08/1990	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	7.38	6.06	1.32	---
MW-4	04/18/1990	---	---	---	---	---	---	---	---	---	---	---	---	---	7.38	5.84	1.54	---
MW-4	07/23/1990	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	7.38	6.92	0.46	---
MW-4	09/27/1991	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	7.38	8.03	-0.65	---
MW-4	01/03/1991	---	---	---	---	---	---	---	---	---	---	---	---	---	7.38	7.54	-0.16	---
MW-4	04/10/1991	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	7.38	5.06	2.32	---
MW-4	07/12/1991	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	7.38	6.86	0.52	---
MW-4	10/08/1991	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	7.38	7.44	-0.06	---
MW-4	02/06/1992	---	2,500 a	120	ND	ND	ND	ND	---	---	---	---	---	---	7.38	7.29	0.09	---
MW-4	05/04/1992	---	53	ND	ND	ND	ND	ND	---	---	---	---	---	---	7.38	5.33	2.05	---
MW-4	07/28/1992	---	60	ND	ND	ND	ND	ND	---	---	---	---	---	---	7.38	6.95	0.43	---
MW-4	10/27/1992	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	7.38	7.65	-0.27	---
MW-4	01/14/1993	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	7.38	4.84	2.54	---
MW-4	04/23/1993	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	7.38	4.84	2.54	---
MW-4	07/20/1993	---	ND	ND	2.2	ND	1.1	7.7	---	---	---	---	---	---	10.28	6.47	3.81	---
MW-4	10/18/1993	---	ND	ND	ND	1.2	ND	ND	---	---	---	---	---	---	10.28	7.35	2.93	---
MW-4	01/06/1994	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	10.28	7.64	2.64	---
MW-4	04/12/1994	---	76	ND	ND	ND	ND	ND	---	---	---	---	---	---	10.28	6.39	3.89	---
MW-4	07/25/1994	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	10.28	7.00	3.28	---
MW-4	10/25/1994	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	10.28	7.53	2.75	---
MW-4	01/09/1995	---	70 a	ND	ND	ND	ND	ND	---	---	---	---	---	---	10.28	4.90	5.38	---
MW-4	04/11/1995	---	140	ND	1.5	ND	0.6	3.4	---	---	---	---	---	---	10.28	5.04	5.24	---

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
285 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

Well ID	Date	TPHmo (µg/L)	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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-4	07/18/1995	---	160	ND	13	3.4	ND	ND	---	---	---	---	---	---	10.28	6.18	4.10	---
MW-4	10/18/1995	---	---	---	---	---	---	---	---	---	---	---	---	---	10.28	6.63	3.65	---
MW-4	01/09/1996	---	ND	<50	<0.5	ND	<0.5	<0.5	ND	---	---	---	---	---	10.28	3.82	6.46	---
MW-4	04/02/1996	---	---	<50	<0.5	<0.5	<0.5	<0.5	<2.5	---	---	---	---	---	10.28	3.97	6.31	---
MW-4	10/03/1996	---	81	<50	<0.5	<0.5	<0.5	<0.5	<2.5	---	---	---	---	---	10.28	3.74	6.54	---
MW-4	04/03/1997	---	69	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	10.28	3.74	6.54	1.8
MW-4	10/08/1997	---	75	<50	<0.50	<0.50	<0.50	<0.50	13	---	---	---	---	---	10.28	4.89	5.39	2.0
MW-4 (D)	10/08/1997	---	---	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	10.28	4.89	5.39	2.0
MW-4	06/10/1998	---	---	---	---	---	---	---	---	---	---	---	---	---	10.28	4.39	5.89	---
MW-4	12/30/1998	---	94.1	<50.0	<0.500	<0.500	<0.500	0.580	7.33	---	---	---	---	---	10.28	5.58	4.70	1.7/1.6
MW-4	06/25/1999	---	---	---	---	---	---	---	---	---	---	---	---	---	10.28	4.17	6.11	---
MW-4	12/28/1999	---	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	---	---	---	---	---	10.28	4.54	5.74	1.4/1.5
MW-4	05/31/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	10.28	3.85	6.43	---
MW-4	10/17/2000	---	274 a	<50.0	<0.500	<0.500	<0.500	<0.500	9.40	---	---	---	---	---	10.28	3.50	6.78	3.8/4.0
MW-4	05/01/2001	---	---	---	---	---	---	---	---	---	---	---	---	---	10.28	4.10	6.18	---
MW-4	11/05/2001	---	<50	<50	<0.50	<0.50	<0.50	<0.50	---	8.4	---	---	---	---	10.28	5.21	5.07	1.3/1.5
MW-4	05/01/2002	---	<50	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	10.28	4.28	6.00	2.6/1.1
MW-4	07/16/2002	---	---	---	---	---	---	---	---	---	---	---	---	---	10.28	3.87	6.41	---
MW-4	10/17/2002	---	<50	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	9.83	4.66	5.17	1.4/2.4
MW-4	01/21/2003	---	---	---	---	---	---	---	---	---	---	---	---	---	9.83	3.87	5.96	---
MW-4	05/01/2003	---	57 a	<50	<0.50	<0.50	<0.50	<1.0	---	<5.0	---	---	---	---	9.83	4.49	5.34	---
MW-4	07/17/2003	---	---	---	---	---	---	---	---	---	---	---	---	---	9.83	5.46	4.37	---
MW-4	10/02/2003	---	<50	<50	<0.50	<0.50	<0.50	<1.0	---	5.9	---	---	---	---	9.83	5.51	4.32	---
MW-4	01/05/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	9.83	3.83	6.00	---
MW-4	04/01/2004	---	<50	<50	<0.50	<0.50	<0.50	<1.0	---	3.0	---	---	---	---	9.83	4.43	5.40	---
MW-4	08/02/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	9.83	5.05	4.78	---
MW-4	11/02/2004	<500	<50	<50	<0.50	<0.50	<0.50	<1.0	---	3.8	---	---	---	---	9.83	4.31	5.52	---
MW-4	01/10/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	9.83	3.51	6.32	---
MW-4	04/13/2005	<500 b	83 a,b	<50	<0.50	<0.50	<0.50	<1.0	---	5.1	---	---	---	---	9.83	3.77	6.06	---
MW-4	07/20/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	9.83	5.91	3.92	---
MW-4	10/24/2005	<500	92 g	<50	<0.50	<0.50	<0.50	<1.0	---	3.9	---	---	---	---	9.83	3.98	5.85	---
MW-4	01/04/2006	<100 f	<100 f	<50.0	<0.500	<0.500	<0.500	<0.500	---	2.90	<10.0	---	---	---	9.83	3.45	6.38	---
MW-4	07/26/2006	364	<93.9	<50.0	<0.500	<0.500	<0.500	<0.500	---	2.39	55.5	<0.500	<0.500	<0.500	9.83	3.65	6.18	---
MW-4	01/02/2007	<100 f	<50 f	<50	<0.50	<0.50	<0.50	<1.0	---	1.6	---	---	---	---	9.83	4.15	5.68	---
MW-4	07/12/2007	<250 f	<50 f	<50 m	<0.50	<1.0	<1.0	<1.0	---	2.0	<10	<2.0	<2.0	<2.0	9.83	4.40	5.43	---
MW-4	01/10/2008	<250 f	76 f,o	<50 m	<0.50	<1.0	<1.0	<1.0	---	2.0	---	---	---	---	9.83	4.27	5.56	---
MW-4	07/31/2008	<250 f	<50 f	<50	<0.50	<1.0	<1.0	<1.0	---	1.9	<10	<2.0	<2.0	<2.0	9.83	4.00	5.83	---
MW-4	01/06/2009	<250 f	96 f	<50	<0.50	<1.0	<1.0	<1.0	---	1.8	---	---	---	---	9.83	4.73	5.10	---
MW-4	07/01/2009	<250 f	<50 f	<50	<0.50	<1.0	<1.0	<1.0	---	2.0	<10	<2.0	<2.0	<2.0	9.83	4.70	5.13	---

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
285 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

Well ID	Date	TPHmo (µg/L)	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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-4	01/04/2010	<250 f	53 f	<50	<0.50	<1.0	<1.0	<1.0	---	1.1	<10	---	---	---	9.83	4.64	5.19	---
MW-5	05/23/1989	---	7,000	26,000	1,500	280	ND	8,100	---	---	---	---	---	---	8.18	5.47	2.71	---
MW-5	08/03/1989	---	8,700	12,000	860	94	ND	2,600	---	---	---	---	---	---	8.18	5.94	2.24	---
MW-5	12/15/1989	---	710	1,000	22	35	18	44	---	---	---	---	---	---	8.18	6.75	1.43	---
MW-5	02/07/1990	---	620	ND	0.8	ND	ND	ND	---	---	---	---	---	---	8.18	6.03	2.15	---
MW-5	04/18/1990	---	5,000	19,000	4,500	850	97	8,000	---	---	---	---	---	---	8.18	5.80	2.38	---
MW-5	07/23/1990	---	2,700	23,000	3,600	400	160	6,500	---	---	---	---	---	---	8.18	6.00	2.18	---
MW-5	09/23/1990	---	550	5,400	1,400	26	13	1,300	---	---	---	---	---	---	8.18	7.18	1.00	---
MW-5	01/03/1991	---	560	860	280	2.8	0.8	45	---	---	---	---	---	---	8.18	7.17	1.01	---
MW-5	04/10/1991	---	1,800	12,000	710	130	500	2,400	---	---	---	---	---	---	8.18	5.25	2.93	---
MW-5	07/12/1991	---	1,700	24,000	2,200	280	430	5,700	---	---	---	---	---	---	8.18	5.70	2.48	---
MW-5	10/08/1991	---	1,400	2,800	860	13	ND	580	---	---	---	---	---	---	8.18	6.50	1.68	---
MW-5	02/06/1992	---	1,200	1,000	300	ND	14	62	---	---	---	---	---	---	8.18	6.35	1.83	---
MW-5	05/04/1992	---	4,100 a	10,000	1,500	350	710	2,300	---	---	---	---	---	---	8.18	4.87	3.31	---
MW-5	07/28/1992	---	3,800 a	12,000	2,200	63	1,400	3,500	---	---	---	---	---	---	8.18	5.73	2.45	---
MW-5	10/27/1992	---	480 a	7,500	1,100	59	230	900	---	---	---	---	---	---	8.18	6.98	1.20	---
MW-5	01/14/1993	---	1,100 a	7,700	420	49	570	840	---	---	---	---	---	---	8.18	4.70	3.48	---
MW-5	04/23/1993	---	1,600 a	110,000	2,900	2,500	3,400	12,000	---	---	---	---	---	---	8.18	4.19	3.99	---
MW-5	07/20/1993	---	1,200 a	18a	1,400	84	1,500	3,200	---	---	---	---	---	---	10.87	5.10	5.77	---
MW-5	10/18/1993	---	5,800 a	14,000	2,000	100	2,300	5,100	---	---	---	---	---	---	10.87	5.79	5.08	---
MW-5	01/06/1994	---	1,100 a	81,000	11,000	9,300	3,600	12,000	---	---	---	---	---	---	10.87	5.56	5.31	---
MW-5	04/12/1994	---	4,100	17,000	2,900	380	430	1,300	---	---	---	---	---	---	10.87	4.90	5.97	---
MW-5	07/25/1994	---	5,400 a	5,900	1,500	42	34	170	---	---	---	---	---	---	10.87	5.38	5.49	---
MW-5	10/25/1994	---	1,900 a	2,300	35	3	ND	8	---	---	---	---	---	---	10.87	6.16	4.71	---
MW-5	01/09/1995	---	3,700 a	8,300	1,500	95	330	1,900	---	---	---	---	---	---	10.87	4.60	6.27	---
MW-5	04/11/1995	---	9,800	7,300	1,200	230	600	550	---	---	---	---	---	---	10.87	3.74	7.13	---
MW-5	07/18/1995	---	5,100	17,000	2,300	730	770	2,500	---	---	---	---	---	---	10.87	4.97	5.90	---
MW-5	10/18/1995	Well abandoned		---	---	---	---	---	---	---	---	---	---	---	10.87	5.67	5.20	---
MW-6	05/23/1989	---	7,000	22,000	16	6.5	7	3,400	---	---	---	---	---	---	8.21	5.47	2.74	---
MW-6	08/03/1989	---	8,800	28,000	1,200	130	2,100	2,800	---	---	---	---	---	---	8.21	5.91	2.30	---
MW-6	12/15/1989	---	5,500	16,000	370	92	200	180	---	---	---	---	---	---	8.21	5.98	2.23	---
MW-6	02/07/1990	---	2,600	22,000	520	85	630	770	---	---	---	---	---	---	8.21	5.47	2.74	---
MW-6	04/18/1990	---	5,700	21,000	900	77	2,700	2,700	---	---	---	---	---	---	8.21	5.80	2.41	---
MW-6	07/23/1990	---	3,000	24,000	1,000	94	3,400	2,700	---	---	---	---	---	---	8.21	5.85	2.36	---
MW-6	09/27/1990	---	ND	22,000	700	93	2,500	2,400	---	---	---	---	---	---	8.21	6.42	1.79	---
MW-6	01/03/1991	---	960	25,000	1,000	88	2,600	3,700	---	---	---	---	---	---	8.21	6.73	1.48	---
MW-6	04/10/1991	---	920	18,000	560	190	480	830	---	---	---	---	---	---	8.21	5.24	2.97	---

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
285 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

Well ID	Date	TPHmo (µg/L)	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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-6	07/12/1991	---	1,900	9,500	670	51	1,100	920	---	---	---	---	---	---	8.21	5.78	2.43	---
MW-6	10/08/1991	---	5,100	11,000	1,000	43	ND	ND	---	---	---	---	---	---	8.21	6.36	1.85	---
MW-6	02/06/1992	---	1,500 a	7,200	560	8	720	160	---	---	---	---	---	---	8.21	6.15	2.06	---
MW-6	05/04/1992	---	2,900 a	7,900	610	ND	1,500	240	---	---	---	---	---	---	8.21	5.07	3.14	---
MW-6	07/28/1992	---	3,200 a	17,000	1,200	ND	3,000	610	---	---	---	---	---	---	8.21	5.85	2.36	---
MW-6	10/27/1992	---	1,300 a	15,000	1,300	130	1,700	490	---	---	---	---	---	---	8.21	6.69	1.52	---
MW-6	01/14/1993	---	1,600 a	4,900	80	31	330	37	---	---	---	---	---	---	8.21	4.52	3.69	---
MW-6	04/23/1993	---	1,800 a	4,800	120	ND	780	73	---	---	---	---	---	---	8.21	4.32	3.89	---
MW-6	07/20/1993	---	910 a	19 a	570	18	1,100	130	---	---	---	---	---	---	11.04	5.39	5.65	---
MW-6	10/18/1993	---	2,500 a	24,000	770	440	1,600	830	---	---	---	---	---	---	11.04	6.67	4.37	---
MW-6	01/06/1994	---	2,300 a	20 a	450	30	530	52	---	---	---	---	---	---	11.04	5.66	5.38	---
MW-6	04/12/1994	---	1,600	3,600	150	ND	340	21	---	---	---	---	---	---	11.04	4.91	6.13	---
MW-6	07/25/1994	---	2,200 a	1,600	160	ND	ND	10	---	---	---	---	---	---	11.04	5.55	5.49	---
MW-6 (D)	07/25/1994	---	2,400 a	1,000	160	ND	ND	18	---	---	---	---	---	---	11.04	5.55	5.49	---
MW-6	10/25/1994	---	3,000 a	9,800	390	22	300	57	---	---	---	---	---	---	11.04	6.24	4.80	---
MW-6	01/09/1995	---	800 a	2,200	74	12	400	39	---	---	---	---	---	---	11.04	4.58	6.46	---
MW-6	04/11/1995	---	7,700	5,000	330	15	760	85	---	---	---	---	---	---	11.04	4.04	7.00	---
MW-6	07/18/1995	---	1,700	4,200	320	11	490	22	---	---	---	---	---	---	11.04	5.01	6.03	---
MW-6	10/18/1995	---	---	---	---	---	---	---	---	---	---	---	---	---	11.04	5.86	5.18	---
MW-6	01/09/1996	---	790	5,600	59	<5	180	12	14,000	---	---	---	---	---	11.04	4.75	6.29	---
MW-6	04/02/1996	---	---	1,500	12	<5	170	9	1,900	---	---	---	---	---	11.04	3.82	7.22	---
MW-6	10/03/1996	---	1,800	2,600	110	<25	<25	<25	11,000	---	---	---	---	---	11.04	5.27	5.77	2.2
MW-6	04/03/1997	---	650	<2,500	30	<25	32	<25	10,000	---	---	---	---	---	11.04	4.42	6.62	2.0
MW-6	10/08/1997	---	1,100	1,900	31	<5.0	6.1	<5.0	2,600	---	---	---	---	---	11.04	4.70	6.34	1.0
MW-6	06/10/1998	---	1,500	<1,000	17	12	14	88	14,000	---	---	---	---	---	11.04	4.36	6.68	0.4/0.4
MW-6	12/30/1998	---	528	260	<2.50	<2.50	<2.50	<2.50	909	---	---	---	---	---	11.04	4.98	6.06	2.1/1.6
MW-6	06/25/1999	r	r	<2,500	<25.0	<25.0	<25.0	<25.0	8,850	7,630	---	---	---	---	11.04	4.81	6.23	1.4/3.6
MW-6	12/28/1999	---	416	526	7.60	<1.00	<1.00	<1.00	1,510	---	---	---	---	---	11.04	5.17	5.87	1.8/2.0
MW-6	05/31/2000	---	998	2,870	45.7	4.70	8.61	<2.50	3,780	---	---	---	---	---	11.04	4.58	6.46	0.92/2.30
MW-6	10/17/2000	---	944 a	2,370	49.8	5.36	<5.00	<5.00	746	---	---	---	---	---	11.04	4.80	6.24	2.5/2.1
MW-6	05/01/2001	---	706	3,000	2.72	<2.50	4.46	<2.50	473	---	---	---	---	---	11.04	4.75	6.29	2.2/1.6
MW-6	05/29/2001	---	---	---	---	---	---	---	---	---	---	---	---	---	11.04	4.86	6.18	2.0/1.3
MW-6	11/05/2001	---	---	---	---	---	---	---	---	---	---	---	---	---	11.04	5.73	5.31	0.6
MW-6	11/07/2001	---	180	1,700	1.3	1.2	1.3	1.1	---	430	---	---	---	---	11.04	5.75	5.29	2.4/1.8
MW-6	05/01/2002	---	<300	1,400	2.0	0.61	4.3	0.68	---	220	---	---	---	---	11.04	4.47	6.57	2.5/2.0
MW-6	07/16/2002	---	<600	3,500	31	1.5	5.7	1.2	---	220	---	---	---	---	11.04	5.05	5.99	0.6/0.6
MW-6	10/17/2002	---	<700	3,000	27	1.7	2.9	1.8	---	340	---	---	---	---	10.59	5.80	4.79	1.2/1.1
MW-6	01/21/2003	---	<200	900	1.5	<0.50	1.4	<0.50	---	73	---	---	---	---	10.59	4.39	6.20	0.8/0.6
MW-6	05/01/2003	---	160 a	700 a	0.58	<0.50	0.82	<1.0	---	71	---	---	---	---	10.59	4.19	6.40	---

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
285 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

Well ID	Date	TPHmo (µg/L)	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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-6	07/17/2003	---	220 a,f	<1,200	<12	<12	<12	<25	---	840	---	---	---	---	10.59	5.22	5.37	---
MW-6	10/02/2003	---	300 a	<1,000	<10	<10	<10	<20	---	1,500	---	---	---	---	10.59	5.86	4.73	---
MW-6	01/05/2004	---	140 a	520	<0.50	0.72	<0.50	<1.0	---	30	---	---	---	---	10.59	3.79	6.80	---
MW-6	04/01/2004	---	220 a	650	<0.50	<0.50	0.54	<1.0	---	130	---	---	---	---	10.59	4.28	6.31	---
MW-6	08/02/2004	<500	500 a	1,600	<2.5	<2.5	<2.5	<5.0	---	480	900	<10	<10	<10	10.59	5.78	4.81	---
MW-6	11/02/2004	<500	150 g	580	<0.50	<0.50	<0.50	<1.0	---	55	---	---	---	---	10.59	4.73	5.86	---
MW-6	01/10/2005	<500	230 g	620	<0.50	<0.50	0.50	<1.0	---	17	---	---	---	---	10.59	3.70	6.89	---
MW-6	04/13/2005	520 b	570 a,b	2,000	0.98	1.7	1.2	1.2	---	190	---	---	---	---	10.59	3.75	6.84	---
MW-6	07/20/2005	<500	1,200 a	2,800	<2.0	2.1	<2.0	<4.0	---	320	1,800	<8.0	<8.0	<8.0	10.59	5.95	4.64	---
MW-6	10/24/2005	<500	1,300 a	2,000	<2.0	<2.0	<2.0	<4.0	---	200	560	---	---	---	9.14	5.21	3.93	---
MW-6	01/04/2006	<100 f	216 f	1,140	<0.500	<0.500	<0.500	<0.500	---	11.3	50.4	---	---	---	9.14	3.36	5.78	---
MW-6	07/26/2006	881	1,460	4,650	1.63	1.71	0.580	1.64	---	128	375	<0.500	<0.500	<0.500	9.14	4.76	4.38	---
MW-6	01/02/2007	<100 f	180 f	1,300	0.51	0.52	<0.50	<1.0	---	39	81	---	---	---	9.14	4.54	4.60	---
MW-6	07/12/2007	<250 f	540 f	1,700 m	0.31 n	1.0	0.24 n	0.94 n	---	49	120	<2.0	<2.0	<2.0	9.14	5.12	4.02	---
MW-6	01/10/2008	<250 f	200 f,o	900 m	<0.50	<1.0	<1.0	<1.0	---	4.0	11	---	---	---	9.14	4.33	4.81	---
MW-6	07/31/2008	<250 f	110 f,o	740	<0.50	<1.0	<1.0	<1.0	---	12	<10	<2.0	<2.0	<2.0	9.14	4.95	4.19	---
MW-6	01/06/2009	<250 f	120 f,o	480	<0.50	<1.0	<1.0	<1.0	---	4.0	11	---	---	---	9.14	4.80	4.34	---
MW-6	07/01/2009	<250 f	190 f,o	1,200	<0.50	<1.0	<1.0	<1.0	---	24	85	<2.0	<2.0	<2.0	9.14	4.94	4.20	---
MW-6	01/04/2010	<250 f	63 f,o	390	<0.50	<1.0	<1.0	<1.0	---	1.6	11	---	---	---	9.14	4.67	4.47	---
MW-6	01/18/2011	---	820 q	160	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	9.14	4.45	4.69	---
MW-6	**01/05/2012**	**---**	**110 f**	**350 m**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**<1.0**	**<10**	**<1.0**	**<1.0**	**<1.0**	**9.14**	**4.82**	**4.32**	**---**
MW-7	05/23/1989	---	11,000	47,000	3,500	5,000	1,500	7,800	---	---	---	---	---	---	7.44	5.48	1.96	---
MW-7	08/03/1989	---	22,000	68,000	6,200	6,600	3,600	8,800	---	---	---	---	---	---	7.44	4.22	3.22	---
MW-7	12/15/1989	---	12,000	100,000	4,500	5,300	1,300	5,300	---	---	---	---	---	---	7.44	4.58	2.86	---
MW-7	02/07/1990	---	8,100	96,000	15,000	15,000	2,500	14,000	---	---	---	---	---	---	7.44	5.34	2.10	---
MW-7	04/18/1990	---	10,000	94,000	25,000	13,000	3,300	13,000	---	---	---	---	---	---	7.44	4.92	2.52	---
MW-7	07/23/1990	---	12,000	84,000	3,800	26,000	13,000	3,000	---	---	---	---	---	---	7.44	4.99	2.45	---
MW-7	09/27/1990	---	ND	43,000	25,000	6,100	2,400	9,000	---	---	---	---	---	---	7.44	6.16	1.28	---
MW-7	01/03/1991	---	3,100	78,000	26,000	16,000	3,000	14,000	---	---	---	---	---	---	7.44	4.96	2.48	---
MW-7	04/10/1991	---	1,800	140,000	26,000	16,000	2,200	14,000	---	---	---	---	---	---	7.44	4.13	3.31	---
MW-7	07/12/1991	---	1,100	79,000	7,700	7,200	2,300	10,000	---	---	---	---	---	---	7.44	4.98	2.46	---
MW-7	10/08/1991	---	390 a	55,000	29,000	7,500	1,800	9,300	---	---	---	---	---	---	7.44	5.48	1.96	---
MW-7	02/06/1992	---	9,600 a	63,000	16,000	8,700	1,600	7,400	---	---	---	---	---	---	7.44	5.05	2.39	---
MW-7	05/04/1992	---	9,800 a	67,000	22,000	13,000	1,800	9,400	---	---	---	---	---	---	7.44	4.43	3.01	---
MW-7	07/28/1992	---	13,000 a	85,000	26,000	17,000	2,900	15,000	---	---	---	---	---	---	7.44	4.88	2.56	---
MW-7	10/27/1992	---	1,900 a	63,000	21,000	11,000	3,000	11,000	---	---	---	---	---	---	7.44	5.39	2.05	---
MW-7	01/14/1993	---	2,300 a	120,000	28,000	21,000	1,600	15,000	---	---	---	---	---	---	7.44	4.26	3.18	---
MW-7	04/23/1993	---	12,000 a	60,000	17,000	3,700	2,200	11,000	---	---	---	---	---	---	7.44	4.04	3.40	---

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
285 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

Well ID	Date	TPHmo (µg/L)	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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-7 (D)	04/23/1993	---	14,000 a	50,000	17,000	4,200	2,200	11,000	---	---	---	---	---	---	7.44	4.04	3.40	---
MW-7	07/20/1993	---	13,000	47,000	23,000	9,900	2,200	12,000	---	---	---	---	---	---	10.28	4.36	5.92	---
MW-7	10/18/1993	---	10,000 a	44,000	22,000	3,800	2,600	10,000	---	---	---	---	---	---	10.28	5.14	5.14	---
MW-7	01/06/1994	---	5.200 a	65,000	16,000	4,900	1,900	8,500	---	---	---	---	---	---	10.28	4.83	5.45	---
MW-7	04/12/1994	---	3,400	68,000	12,000	2,000	580	6,400	---	---	---	---	---	---	10.28	4.24	6.04	---
MW-7	07/25/1994	---	4,200 a	63,000	16,000	5,800	300	8,300	---	---	---	---	---	---	10.28	4.58	5.70	---
MW-7	10/25/1994	---	3,800 a	46,000	16,000	3,700	1,200	7,300	---	---	---	---	---	---	10.28	5.07	5.21	---
MW-7	01/09/1995	---	3,300 a	62,000	24,000	8,500	1,100	9,400	---	---	---	---	---	---	10.28	3.38	6.90	---
MW-7 (D)	01/11/1995	---	3,200 a	57,000	9,500	7,900	620	8,000	---	---	---	---	---	---	10.28	3.38	6.90	---
MW-7	04/11/1995	---	7,000	53,000	13,000	4,200	1,500	7,700	---	---	---	---	---	---	10.28	3.52	6.76	---
MW-7 (D)	04/12/1995	---	7,600	55,000	11,000	3,700	1,300	6,400	---	---	---	---	---	---	10.28	3.52	6.76	---
MW-7	07/18/1995	---	2,700	95,000	24,000	8,000	2,100	12,000	---	---	---	---	---	---	10.28	4.70	5.58	---
MW-7	10/18/1995	Well abandoned		---	---	---	---	---	---	---	---	---	---	---	10.28	5.25	5.03	---
MW-8	05/23/1989	---	100	ND	ND	ND	ND	ND	---	---	---	---	---	---	7.79	6.62	1.17	---
MW-8	08/03/1989	---	75	ND	ND	ND	ND	ND	---	---	---	---	---	---	7.79	6.62	1.17	---
MW-8	12/15/1989	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	7.79	6.71	1.08	---
MW-8	03/08/1990	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	7.79	4.95	2.84	---
MW-8	04/18/1990	---	---	---	---	---	---	---	---	---	---	---	---	---	7.79	6.40	1.39	---
MW-8	07/23/1990	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	7.79	6.62	1.17	---
MW-8	09/27/1990	---	1,100	ND	ND	ND	ND	ND	---	---	---	---	---	---	7.79	6.98	0.81	---
MW-8	01/03/1991	---	ND	ND	1.3	ND	ND	ND	---	---	---	---	---	---	7.79	7.03	0.76	---
MW-8	04/10/1991	---	ND	50	0.7	1.1	0.8	1	---	---	---	---	---	---	7.79	4.40	3.39	---
MW-8	07/12/1991	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	7.79	6.80	0.99	---
MW-8	10/08/1991	---	ND	ND	1.4	ND	ND	ND	---	---	---	---	---	---	7.79	7.56	0.23	---
MW-8	02/06/1992	---	60 a	ND	ND	0.7	ND	ND	---	---	---	---	---	---	7.79	6.94	0.85	---
MW-8	05/04/1992	---	210 a	ND	ND	ND	ND	ND	---	---	---	---	---	---	7.79	5.86	1.93	---
MW-8	07/28/1992	---	ND	51	ND	ND	1	0.6	---	---	---	---	---	---	7.79	6.94	0.85	---
MW-8	10/27/1992	---	ND	ND	ND	6.6	ND	ND	---	---	---	---	---	---	7.79	7.83	-0.04	---
MW-8	01/14/1993	---	64 a	ND	ND	ND	ND	ND	---	---	---	---	---	---	7.79	3.60	4.19	---
MW-8 (D)	01/14/1993	---	---	ND	ND	ND	ND	ND	---	---	---	---	---	---	7.79	3.60	4.19	---
MW-8	04/23/1993	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	7.79	4.12	3.67	---
MW-8	07/20/1993	---	ND	ND	0.7	0.7	0.8	4.1	---	---	---	---	---	---	10.61	6.38	4.23	---
MW-8	10/18/1993	---	ND	ND	ND	800	ND	ND	---	---	---	---	---	---	10.61	7.47	3.14	---
MW-8	01/06/1994	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	10.61	7.20	3.41	---
MW-8	04/12/1994	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	10.61	6.16	4.45	---
MW-8	07/25/1994	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	10.61	6.94	3.67	---
MW-8	10/25/1994	---	ND	ND	ND	1	ND	ND	---	---	---	---	---	---	10.61	7.43	3.18	---
MW-8	01/09/1995	---	70 a	ND	ND	ND	ND	ND	---	---	---	---	---	---	10.61	3.98	6.63	---

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
285 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

Well ID	Date	TPHmo (µg/L)	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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-8	04/11/1995	---	78	ND	0.63	1.3	ND	0.75	---	---	---	---	---	---	10.61	4.12	6.49	---
MW-8	07/18/1995	---	130	ND	ND	ND	ND	ND	---	---	---	---	---	---	10.61	5.21	5.40	---
MW-8	10/18/1995	---	---	---	---	---	---	---	---	---	---	---	---	---	10.61	5.58	5.03	---
MW-8	01/09/1996	---	ND	<50	<0.5	<0.5	<0.5	<0.5	ND	---	---	---	---	---	10.61	5.09	5.52	---
MW-8	04/02/1996	---	---	<50	<0.5	<0.5	<0.5	<0.5	<2.5	---	---	---	---	---	10.61	3.42	7.19	---
MW-8	10/03/1996	---	<69	<50	<0.5	<0.5	<0.5	<0.5	<2.5	---	---	---	---	---	10.61	4.30	6.31	---
MW-8	04/03/1997	---	62	<50	<0.50	<0.50	<0.50	0.91	<2.5	---	---	---	---	---	10.61	4.58	6.03	2.6
MW-8	10/08/1997	---	57	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	10.61	3.00	7.61	3.6
MW-8	06/10/1998	---	---	---	---	---	---	---	---	---	---	---	---	---	10.61	2.88	7.73	---
MW-8	12/30/1998	---	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	---	---	---	---	---	10.61	5.38	5.23	0.8/0.9
MW-8	06/25/1999	---	---	---	---	---	---	---	---	---	---	---	---	---	10.61	4.53	6.08	---
MW-8	12/28/1999	---	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	---	---	---	---	---	10.61	4.93	5.68	1.0/0.9
MW-8	05/31/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	10.61	4.02	6.59	---
MW-8	10/17/2000	---	143 a	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	10.61	3.10	7.51	4.0/4.1
MW-8	05/01/2001	---	---	---	---	---	---	---	---	---	---	---	---	---	10.61	4.12	6.49	---
MW-8	11/05/2001	---	<50	<50	<0.50	0.99	<0.50	<0.50	---	<5.0	---	---	---	---	10.61	5.00	5.61	0.6/1.3
MW-8	05/01/2002	---	<50	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	10.61	3.25	7.36	0.6/3.6
MW-8	07/16/2002	---	---	---	---	---	---	---	---	---	---	---	---	---	10.61	3.64	6.97	---
MW-8	10/17/2002	---	<50	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	10.18	4.53	5.65	3.3/2.2
MW-8	01/21/2003	---	---	---	---	---	---	---	---	---	---	---	---	---	10.18	3.98	6.20	---
MW-8	05/01/2003	---	<50	<50	<0.50	<0.50	<0.50	<1.0	---	<5.0	---	---	---	---	10.18	4.00	6.18	---
MW-8	07/17/2003	---	---	---	---	---	---	---	---	---	---	---	---	---	10.18	4.37	5.81	---
MW-8	10/02/2003	---	<50	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	10.18	4.56	5.62	---
MW-8	01/05/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	10.18	2.90	7.28	---
MW-8	04/01/2004	---	<50	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	10.18	3.83	6.35	---
MW-8	08/02/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	10.18	5.35	4.83	---
MW-8	11/02/2004	<500	<50	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	10.18	4.28	5.90	---
MW-8	01/10/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	10.18	2.44	7.74	---
MW-8	04/13/2005	<500	120 h	<50 i	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	10.18	2.75	7.43	---
MW-8	07/20/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	10.18	4.95	5.23	---
MW-8	10/24/2005	<500	<50	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	10.18	3.94	6.24	---
MW-8	01/04/2006	206 f	224 f	<50.0	<0.500	<0.500	<0.500	<0.500	---	<0.500	<10.0	---	---	---	10.18	1.87	8.31	---
MW-8	07/26/2006	315	<93.9	<50.0	<0.500	<0.500	<0.500	<0.500	---	<0.500	---	---	---	---	10.18	4.07	6.11	---
MW-8	01/02/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	10.18	3.94	6.24	---
MW-8	07/12/2007	<250 f	<50 f	<50 m	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	10.18	4.08	6.10	---
MW-8	01/10/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	10.18	3.00	7.18	---
MW-8	07/31/2008	<250 f	<50 f	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	10.18	4.24	5.94	---
MW-8	01/06/2009	---	---	---	---	---	---	---	---	---	---	---	---	---	10.18	4.41	5.77	---
MW-8	07/01/2009	<250 f	<50 f	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	10.18	4.50	5.68	---

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
285 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

Well ID	Date	TPHmo (µg/L)	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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-8	01/04/2010	---	---	---	---	---	---	---	---	---	---	---	---	---	10.18	4.46	5.72	---
MW-9	08/03/1989	---	12,000	47,000	5,600	6,600	1,500	8,500	---	---	---	---	---	---	7.63	5.78	1.85	---
MW-9	12/15/1989	---	9,200	88,000	4,300	5,400	140	5,600	---	---	---	---	---	---	7.63	5.24	2.39	---
MW-9	02/07/1990	---	7,400	50,000	1,800	1,400	3,200	1,800	---	---	---	---	---	---	7.63	5.23	2.40	---
MW-9	04/18/1990	---	7,500	50,000	14,000	11,000	730	10,000	---	---	---	---	---	---	7.63	5.34	2.29	---
MW-9	07/23/1990	---	3,200	62,000	19,000	16,000	950	15,000	---	---	---	---	---	---	7.63	5.65	1.98	---
MW-9	09/27/1990	---	2,700	30,000	16,000	6,500	980	11,000	---	---	---	---	---	---	7.63	5.96	1.67	---
MW-9	01/03/1991	---	2,500	34,000	9,200	3,200	770	7,000	---	---	---	---	---	---	7.63	6.23	1.40	---
MW-9	04/10/1991	---	2,200	66,000	17,000	13,000	1,400	14,000	---	---	---	---	---	---	7.63	4.65	2.98	---
MW-9	07/12/1991	---	2,000	40,000	7,700	3,200	1,100	9,400	---	---	---	---	---	---	7.63	5.65	1.98	---
MW-9	10/08/1991	---	4,700 a	20,000	11,000	640	240	6,000	---	---	---	---	---	---	7.63	6.08	1.55	---
MW-9	02/06/1992	---	6,600 a	36,000	11,000	490	1,100	6,700	---	---	---	---	---	---	7.63	5.92	1.71	---
MW-9	05/04/1992	---	5,800 a	31,000	11,000	1,700	1,200	8,700	---	---	---	---	---	---	7.63	4.80	2.83	---
MW-9	07/28/1992	---	14,000	50,000	17,000	1,200	1,500	12,000	---	---	---	---	---	---	7.63	5.61	2.02	---
MW-9	10/27/1992	---	880 a	43,000	15,000	680	1,700	8,100	---	---	---	---	---	---	7.63	6.24	1.39	---
MW-9	01/14/1993	---	730 a	52,000	9,600	1,100	1,100	7,000	---	---	---	---	---	---	7.63	4.95	2.68	---
MW-9	04/23/1993	---	8,000 a	45,000	11,000	1,400	1,500	10,000	---	---	---	---	---	---	7.63	4.54	3.09	---
MW-9	07/20/1993	---	5,100	25,000	10,000	320	1,100	7,100	---	---	---	---	---	---	10.48	5.25	5.23	---
MW-9	10/18/1993	---	4,900 a	32,000	14,000	530	2,000	10,000	---	---	---	---	---	---	10.48	6.00	4.48	---
MW-9	01/06/1994	---	7,700 a	41,000	15,000	810	1,400	9,000	---	---	---	---	---	---	10.48	5.62	4.86	---
MW-9 (D)	01/06/1994	---	8,300 a	43,000	15,000	920	1,300	8,000	---	---	---	---	---	---	10.48	5.62	4.86	---
MW-9	04/12/1994	---	2,000	39,000	8,300	ND	ND	4,000	---	---	---	---	---	---	10.48	4.31	6.17	---
MW-9	07/25/1994	---	3,600 a	22,000	7,500	150	ND	4,100	---	---	---	---	---	---	10.48	5.43	5.05	---
MW-9	10/25/1994	---	3,200 a	31,000	13,000	240	1,000	8,500	---	---	---	---	---	---	10.48	6.00	4.48	---
MW-9 (D)	10/26/1994	---	3,500 a	31,000	13,000	220	1,100	8,300	---	---	---	---	---	---	10.48	6.00	4.48	---
MW-9	01/09/1995	---	2,300 a	4,800	1,200	510	42	1,400	---	---	---	---	---	---	10.48	4.26	6.22	---
MW-9	04/11/1995	---	3,400	20,000	5,100	460	400	3,400	---	---	---	---	---	---	10.48	4.08	6.40	---
MW-9	07/18/1995	---	2,900	43,000	12,000	1,800	960	9,100	---	---	---	---	---	---	10.48	5.07	5.41	---
MW-9	10/18/1995	---	---	---	---	---	---	---	---	---	---	---	---	---	10.48	5.82	4.66	---
MW-9	01/09/1996	---	2,800	64,000	12,000	5,400	1,800	10,000	2100	---	---	---	---	---	10.48	4.36	6.12	---
MW-9	04/02/1996	---	---	39,000	10,000	100	520	4,100	<500	---	---	---	---	---	10.48	3.86	6.62	---
MW-9	10/03/1996	---	3,100	46,000	12,000	180	1,400	6,700	2,300	---	---	---	---	---	10.48	4.90	5.58	1.4
MW-9	04/03/1997	---	2,300	36,000	9,700	140	580	3,900	<500	---	---	---	---	---	10.48	3.98	6.50	1.8
MW-9	10/08/1997	---	3,500	34,000	6,900	<100	830	4,500	<125	---	---	---	---	---	10.48	4.17	6.31	0.8
MW-9	06/10/1998	---	2,500	20,000	9,900	250	3,100	170	460	---	---	---	---	---	10.48	3.84	6.64	0.3/0.4
MW-9	12/30/1998	---	1,900	30,100	8,500	166	603	3,340	<100	---	---	---	---	---	10.48	4.72	5.76	1.1/1.2
MW-9	06/25/1999	r	r	26,300	8,090	73.5	409	2,730	<100	---	---	---	---	---	10.48	4.47	6.01	1.2/2.4
MW-9	12/28/1999	---	839	4,130	1,260	57.9	103	213	1,470	---	---	---	---	---	10.48	4.82	5.66	1.0/1.1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
285 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

Well ID	Date	TPHmo (µg/L)	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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-9	05/31/2000	---	1,300	8,210	9,290	62.3	141	908	565	---	---	---	---	---	10.48	3.87	6.61	2.8/c
MW-9	10/17/2000	---	1,510 a	19,000	5,420	54.5	479	2,680	<250	---	---	---	---	---	10.48	3.87	6.61	3.0/3.5
MW-9	05/01/2001	---	976	24,300	11,200	52.9	159	1,610	<250	---	---	---	---	---	10.48	4.44	6.04	1.6/1.0
MW-9	05/29/2001	---	---	---	---	---	---	---	---	---	---	---	---	---	10.48	3.99	6.49	1.9/1.5
MW-9	11/05/2001	---	---	---	---	---	---	---	---	---	---	---	---	---	10.48	5.41	5.07	0.7
MW-9	11/07/2001	---	<1,000	25,000	7,300	85	630	4,100	---	<250	---	---	---	---	10.48	5.60	4.88	1.4/1.1
MW-9	05/01/2002	---	<700	27,000	11,000	79	260	1,300	---	<500	---	---	---	---	10.48	3.38	7.10	2.9/1.1
MW-9	07/16/2002	---	<700	29,000	12,000	<50	74	810	---	<500	---	---	---	---	10.48	4.04	6.44	0.7/0.4
MW-9	10/17/2002	---	<800	15,000	10,000	31	36	490	---	53	---	---	---	---	10.07	4.92	5.15	1.0/1.2
MW-9	01/21/2003	---	<400	8,500	3,100	39	190	590	---	<200	---	---	---	---	10.07	4.52	5.55	0.4/0.8
MW-9	05/01/2003	---	1,600 a	16,000 a	4,900	<100	<100	1,500	---	<1,000	---	---	---	---	10.07	4.05	6.02	---
MW-9	07/17/2003	---	1,300 a,f	14,000	9,900	130	<120	2,300	---	<120	---	---	---	---	10.07	4.82	5.25	---
MW-9	10/02/2003	---	3,100 a	13,000	8,500	190	770	5,100	---	<100	---	---	---	---	10.07	5.17	4.90	---
MW-9	01/05/2004	---	1,500 a	37,000	15,000	250	750	3,800	---	<100	---	---	---	---	10.07	3.94	6.13	---
MW-9	04/01/2004	---	1,800 a	14,000	6,800	80	230	1,800	---	<50	---	---	---	---	10.07	4.24	5.83	---
MW-9	08/02/2004	<500	710 g	12,000	8,200	<50	66	650	---	<50	<500	<200	<200	<200	10.07	5.10	4.97	---
MW-9	11/02/2004	<500	1,500 g	15,000	9,300	73	240	1,400	---	70	---	---	---	---	10.07	4.21	5.86	---
MW-9	01/10/2005	<500	1,700 g	28,000	7,400	1,100	1,400	5,400	---	<50	---	---	---	---	10.07	3.45	6.62	---
MW-9	04/13/2005	690	5,100 g	55,000	15,000	3,300	2,800	12,000	---	<50	---	---	---	---	10.07	3.53	6.54	---
MW-9	07/20/2005	<1,000	6,700 g	27,000	5,100	320	900	3,200	---	<50	<500	<200	<200	<200	10.07	5.75	4.32	---
MW-9	10/24/2005	<500	4,200 g	25,000	11,000	680	890	3,900	---	<50	---	---	---	---	10.04	4.42	5.62	---
MW-9	01/04/2006	427 f	3,400 f	39,600	5,800	636	187	6,130	---	73.1	139	---	---	---	10.04	3.10	6.94	---
MW-9	07/26/2006	685	1,580	41,000	11,800	421	979	2,520	---	54.2	85.1	<0.500	<0.500	<0.500	10.04	4.45	5.59	---
MW-9	01/02/2007	100 f	740 f	19,000	6,900	300	660	2,500	---	30	---	---	---	---	10.04	4.81	5.23	---
MW-9	07/12/2007	<250 f	730 f	13,000 m	6,100	44 n	100	561 n	---	29 n	<500	<100	<100	<100	10.04	4.50	5.54	---
MW-9	01/10/2008	<250 f	850 f,o	22,000 m,o	8,800	180	270	1,330	---	12	47	---	---	---	10.04	4.32	5.72	---
MW-9	07/31/2008 p	<250 f	600 f,o	170	69	<1.0	<1.0	1.8	---	<1.0	<10	<2.0	<2.0	<2.0	10.04	3.78	6.26	---
MW-9	08/29/2008	1,600 f,o	2,200 f,o	20,000	5,900	<100	450	2,500	---	<100	<1,000	<200	<200	<200	10.04	4.24	5.80	---
MW-9	01/06/2009	2,100 f	1,500 f,o	11,000	5,500	41	110	920	---	29	---	---	---	---	10.04	4.70	5.34	---
MW-9	07/01/2009	<250 f	250 f,o	6,700	2,900	<25	<25	220	---	<25	<250	<50	<50	<50	10.04	4.67	5.37	---
MW-9	01/04/2010	1,100 f, o	470 f,o	8,300	3,200	<50	<50	110	---	<50	<500	---	---	---	10.04	4.87	5.17	---
MW-9	01/18/2011	630 q	1,200 q	6,800	2,800	38	240	590	---	<50	<500	<50	<50	<50	10.04	3.92	6.12	---
MW-9	**01/05/2012**	**93 f**	**260 f**	**10,000 m**	**4,400**	**52**	**74**	**190**	**---**	**<50**	**<500**	**<50**	**<50**	**<50**	**10.04**	**4.40**	**5.64**	**---**
MW-10	12/15/1989	---	3,100	ND	1,500	ND	ND	ND	---	---	---	---	---	---	7.45	6.33	1.12	---
MW-10	03/08/1990	---	1,800	25,000	17,000	330	2,100	1,400	---	---	---	---	---	---	7.45	5.41	2.04	---
MW-10	04/18/1990	---	3,600	23,000	15,000	1,200	190	3,300	---	---	---	---	---	---	7.45	5.60	1.85	---
MW-10	07/23/1990	---	1,900	18,000	12,000	380	ND	1,400	---	---	---	---	---	---	7.45	5.81	1.64	---
MW-10	09/27/1990	---	430	9,500	13,000	100	1,800	230	---	---	---	---	---	---	7.45	6.64	0.81	---

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
285 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

Well ID	Date	TPHmo (µg/L)	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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-10	01/03/1991	---	630	4,300	3,700	10	ND	110	---	---	---	---	---	---	7.45	6.96	0.49	---
MW-10	04/10/1991	---	1,400	45,000	16,000	4,600	3,000	6,900	---	---	---	---	---	---	7.45	4.70	2.75	---
MW-10	07/12/1991	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	7.45	5.90	1.55	---
MW-10	10/08/1991	---	1,500 a	3,800	13,000	82	9	500	---	---	---	---	---	---	7.45	6.68	0.77	---
MW-10	02/06/1992	---	1,600 a	22,000	12,000	ND	600	170	---	---	---	---	---	---	7.45	7.04	0.41	---
MW-10	05/04/1992	---	8,000 a	39,000	14,000	5,000	1,800	5,000	---	---	---	---	---	---	7.45	4.69	2.76	---
MW-10	07/28/1992	---	8,700 a	38,000	17,000	2,800	1,500	4,000	---	---	---	---	---	---	7.45	6.00	1.45	---
MW-10	01/14/1993	---	950 a	26,000	10,000	ND	ND	160	---	---	---	---	---	---	7.45	6.07	1.38	---
MW-10	04/23/1993	---	1,900 a	80,000	21,000	13,000	3,400	12,000	---	---	---	---	---	---	7.45	4.14	3.31	---
MW-10	07/20/1993	---	4,800	31,000	14,000	4,200	1,700	5,500	---	---	---	---	---	---	10.61	5.62	4.99	---
MW-10	10/18/1993	---	1,200 a	13,000	8,600	220	ND	450	---	---	---	---	---	---	10.61	6.43	4.18	---
MW-10	01/06/1994	---	670 a	16,000	9,700	<125	<125	210	---	---	---	---	---	---	10.61	6.74	3.87	---
MW-10	04/12/1994	---	860	16,000	5,600	ND	ND	ND	---	---	---	---	---	---	10.61	5.98	4.63	---
MW-10	07/25/1994	---	2,100 a	2,300	1,400	26	25	51	---	---	---	---	---	---	10.61	6.31	4.30	---
MW-10	10/25/1994	---	1,000 a	1,400	290	5	2	38	---	---	---	---	---	---	10.61	6.64	3.97	---
MW-10	01/09/1995	---	2,300 a	16,000	7,500	1,400	230	1,500	---	---	---	---	---	---	10.61	5.70	4.91	---
MW-10	04/11/1995	---	5,000	54,000	13,000	4,500	1,500	4,500	---	---	---	---	---	---	10.61	5.82	4.79	---
MW-10	07/18/1995	---	2,600	72,000	20,000	7,200	2,800	9,000	---	---	---	---	---	---	10.61	6.79	3.82	---
MW-10	10/18/1995	---	---	---	---	---	---	---	---	---	---	---	---	---	10.61	5.31	5.30	---
MW-10	01/09/1996	---	2,100	32,000	8,000	1,600	880	3,200	12,000	---	---	---	---	---	10.61	5.92	4.69	---
MW-10	04/02/1996	---	---	68,000	9,100	2,300	1,100	3,700	3,300	---	---	---	---	---	10.61	5.43	5.18	---
MW-10	10/03/1996	---	2,900	33,000	11,000	1,300	830	2,400	7,300	---	---	---	---	---	10.61	6.07	4.54	1.7
MW-10 (D)	10/03/1996	---	3,300	40,000	12,000	1,700	1,100	3,100	6,500	---	---	---	---	---	10.61	6.07	4.54	1.7
MW-10	04/03/1997	---	3,400	36,000	12,000	2,300	1,400	4,500	2,300	---	---	---	---	---	10.61	3.45	7.16	1.8
MW-10 (D)	04/03/1997	---	3,000	52,000	12,000	2,300	1,400	4,500	2,100	---	---	---	---	---	10.61	3.45	7.16	1.8
MW-10	10/08/1997	---	3,100	20,000	7,500	420	470	1,300	1,500	---	---	---	---	---	10.61	3.72	6.89	1.2
MW-10	06/10/1998	---	2,500	48,000	14,000	2,600	1,500	4,800	1,800	---	---	---	---	---	10.61	4.00	6.61	0.7/0.5
MW-10	12/30/1998	---	2,820	17,800	6,000	136	344	639	1,250	---	---	---	---	---	10.61	5.26	5.35	1.0/0.7
MW-10	06/25/1999	r	r	17,600	6,150	212	287	687	1,740	---	---	---	---	---	10.61	4.49	6.12	0.9/2.5
MW-10	12/28/1999	---	1,400	10,800	3,370	155	321	626	3,740	---	---	---	---	---	10.61	4.87	5.74	1.2/1.4
MW-10	05/31/2000	---	2,270	3,020	1,080	34.3	118	251	775	---	---	---	---	---	10.61	3.48	7.13	2.8/3.9
MW-10	10/17/2000	---	1,750 a	15,500	7,450	54.7	387	308	3,840	4,300	---	---	---	---	10.61	4.25	6.36	2.3/3.0
MW-10	05/01/2001	---	2,260	27,900	9,920	1,050	1,020	2,370	2,180	---	---	---	---	---	10.61	5.40	5.21	2.0/1.1
MW-10	05/29/2001	---	---	---	---	---	---	---	---	---	---	---	---	---	10.61	3.74	6.87	3.70/1.8
MW-10	11/05/2001	---	---	---	---	---	---	---	---	---	---	---	---	---	10.61	6.08	4.53	0.6
MW-10	11/07/2001	---	360	14,000	5,300	260	430	810	---	1,700	---	---	---	---	10.61	5.45	5.16	1.8/1.0
MW-10	05/01/2002	---	<1,500	79,000	16,000	4,400	3,300	8,800	---	890	---	---	---	---	10.61	4.62	5.99	4.0/0.5
MW-10	07/16/2002	---	<1,000	21,000	6,500	350	460	1,000	---	1,200	---	---	---	---	10.61	5.80	4.81	0.5/1.5
MW-10	10/17/2002	---	<1,800	17,000	5,800	290	520	1,100	---	980	---	---	---	---	9.81	5.27	4.54	0.8/1.2

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
285 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

Well ID	Date	TPHmo (µg/L)	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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-10	01/21/2003	---	<2,000	52,000	13,000	2,000	2,100	4,800	---	<1,000	---	---	---	---	9.81	5.72	4.09	0.3/0.6
MW-10	05/01/2003	---	3,800 a	40,000	13,000	1,700	2,200	5,000	---	2,900	---	---	---	---	9.81	4.29	5.52	---
MW-10	07/17/2003	---	1,700 a,f	13,000	7,200	250	740	1,500	---	2,400	---	---	---	---	9.81	5.05	4.76	---
MW-10	10/02/2003	---	1,400 a	<5,000	2,700	<50	56	<100	---	2,800	---	---	---	---	9.81	5.46	4.35	---
MW-10	01/05/2004	---	2,300 a	77,000	21,000	4,200	3,900	8,500	---	1,900	---	---	---	---	9.81	3.52	6.29	---
MW-10	04/01/2004	---	3,100 a	33,000	11,000	1,000	1,600	3,600	---	5,200	---	---	---	---	9.81	4.12	5.69	---
MW-10	08/02/2004	570	1,100 a	9,900	4,100	140	500	700	---	3,800	710	<100	<100	<100	9.81	5.35	4.46	---
MW-10	11/02/2004	<500	3,500 g	48,000	16,000	1,400	3,100	6,000	---	3,100	---	---	---	---	9.81	5.06	4.75	---
MW-10	01/10/2005	<500	4,200 g	120,000	21,000	20,000	5,400	22,000	---	16,000	---	---	---	---	9.81	3.14	6.67	---
MW-10	04/13/2005	<1,000	9,100 g	83,000	22,000	13,000	5,500	18,000	---	22,000	---	---	---	---	9.81	3.12	6.69	---
MW-10	07/20/2005	<2,500	11,000 g	82,000	14,000	9,700	4,700	20,000	---	32,000	9,800	<500	<500	<500	9.81	5.33	4.48	---
MW-10	10/24/2005	<1,000	9,800 g	67,000	12,000	4,000	4,500	13,000	---	14,000	6,200	---	---	---	9.78	4.24	5.54	---
MW-10	01/04/2006	364 f	5,690 f	114,000	15,000	5,110	1,310	17,400	---	3,720	1,150	---	---	---	9.78	2.53	7.25	---
MW-10	07/26/2006	260	1,070	66,600	10,600	137	2,740	5,430	---	2,660	3,280	0.750	<0.500	<0.500	9.78	3.98	5.80	---
MW-10	01/02/2007	140 f	1,500 f	46,000	10,000	860	3,800	8,000	---	1,200	1,400	---	---	---	9.78	4.02	5.76	---
MW-10	07/12/2007	<250 f	3,900 f	28,000 m	7,700	160	2,100	2,960	---	1,200	2,600	<100	<100	<100	9.78	4.18	5.60	---
MW-10	01/10/2008	<250 f	4,700 f,o	31,000 m	10,000	75	2,800	3,270	---	1,400	2,000	---	---	---	9.78	4.34	5.44	---
MW-10	07/31/2008	<250 f	1,500 f,o	38,000	11,000	<100	1,800	970	---	3,100	7,500	<200	<200	<200	9.78	4.10	5.68	---
MW-10	01/06/2009	340 f	3,800 f,o	26,000	9,600	<100	2,300	790	---	1,600	2,300	---	---	---	9.78	4.25	5.53	---
MW-10	07/01/2009	<250 f	<50 f	17,000	6,100	<50	1,100	110	---	910	2,900	<100	<100	<100	9.78	4.27	5.51	---
MW-10	01/04/2010	<250 f	2,500 f,o	22,000	7,200	<100	1,000	<100	---	870	2,600	---	---	---	9.78	4.53	5.25	---
MW-10	01/18/2011	---	2,700 q	18,000	8,900	<100	1,500	<200	---	320	<2,000	<200	<200	<200	9.78	3.28	6.50	---
MW-10	**01/05/2012**	**---**	**1,500 f**	**23,000 m**	**10,000**	**81**	**510**	**<100**	**---**	**230**	**<1,000**	**<100**	**<100**	**<100**	**9.78**	**3.86**	**5.92**	**---**
MW-11	07/20/1993	---	ND	50	2.5	1.9	3.9	18	---	---	---	---	---	---	10.56	8.08	2.48	---
MW-11	10/18/1993	---	65	ND	ND	ND	ND	ND	---	---	---	---	---	---	10.56	8.24	2.32	---
MW-11	01/06/1994	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	10.56	8.47	2.09	---
MW-11	04/12/1994	---	ND	ND	1.1	0.87	ND	1.5	---	---	---	---	---	---	10.56	8.44	2.12	---
MW-11	07/25/1994	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	10.56	8.20	2.36	---
MW-11	10/25/1994	---	100	ND	ND	ND	ND	ND	---	---	---	---	---	---	10.56	8.67	1.89	---
MW-11	01/09/1995	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	10.56	7.63	2.93	---
MW-11	04/11/1995	---	140	ND	ND	0.7	ND	0.5	---	---	---	---	---	---	10.56	8.06	2.50	---
MW-11	07/18/1995	---	50	ND	ND	ND	ND	ND	---	---	---	---	---	---	10.56	9.31	1.25	---
MW-11	10/18/1995	---	---	---	---	---	---	---	---	---	---	---	---	---	10.56	8.34	2.22	---
MW-11	01/09/1996	---	ND	<50	<0.5	<0.5	<0.5	<0.5	ND	---	---	---	---	---	10.56	8.22	2.34	---
MW-11	04/02/1996	---	---	<50	<0.5	<0.5	<0.5	<0.5	<2.5	---	---	---	---	---	10.56	7.97	2.59	---
MW-11	10/03/1996	---	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	---	---	---	---	---	10.56	8.37	2.19	3.6
MW-11	04/03/1997	---	<50	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	10.56	8.31	2.25	2.2
MW-11	10/08/1997	---	54	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	10.56	8.56	2.00	1.2

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
285 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

Well ID	Date	TPHmo (µg/L)	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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-11	06/10/1998	---	---	---	---	---	---	---	---	---	---	---	---	---	10.56	7.85	2.71	---
MW-11	12/30/1998	---	66.2	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	---	---	---	---	---	10.56	8.51	2.05	0.7/0.6
MW-11	06/25/1999	---	---	---	---	---	---	---	---	---	---	---	---	---	10.56	8.01	2.55	---
MW-11	12/28/1999	---	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	---	---	---	---	---	10.56	8.39	2.17	0.8/1.0
MW-11	05/31/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	10.56	7.38	3.18	---
MW-11	10/17/2000	---	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	10.56	8.35	2.21	4.1/4.0
MW-11	05/01/2001	---	---	---	---	---	---	---	---	---	---	---	---	---	10.56	8.15	2.41	---
MW-11	11/05/2001	Unable to locate		---	---	---	---	---	---	---	---	---	---	---	10.56	---	---	---
MW-11	05/01/2002	Unable to locate		---	---	---	---	---	---	---	---	---	---	---	10.56	---	---	---
MW-11	05/08/2002	---	<50	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	10.56	7.82	2.74	1.0/1.1
MW-11	07/16/2002	---	---	---	---	---	---	---	---	---	---	---	---	---	10.56	7.64	2.92	---
MW-11	10/17/2002	---	<50	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	---	7.95	---	1.3/1.0
MW-11	01/21/2003	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.57	---	---
MW-11	05/01/2003	---	<50	<50	<0.50	<0.50	<0.50	<1.0	---	<5.0	---	---	---	---	---	7.62	---	---
MW-11	07/17/2003	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.93	---	---
MW-11	10/02/2003	---	<50	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	---	7.56	---	---
MW-11	01/05/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.03	---	---
MW-11	04/01/2004	---	<50	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	---	7.55	---	---
MW-11	08/02/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.50	---	---
MW-11	11/02/2004	<500	<50	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	---	7.41	---	---
MW-11	01/10/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.45	---	---
MW-11	04/13/2005	<500	84 a	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	---	7.35	---	---
MW-11	07/20/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	9.56	---	---
MW-11	10/24/2005	<500	66 a	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	10.06	7.72	2.34	---
MW-11	01/04/2006	<100 f	<100 f	<50.0	<0.500	<0.500	<0.500	<0.500	---	<0.500	<10.0	---	---	---	10.06	6.55	3.51	---
MW-11	07/26/2006	914	105	<50.0	<0.500	<0.500	<0.500	<0.500	---	<0.500	---	---	---	---	10.06	7.37	2.69	---
MW-11	01/02/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	10.06	7.63	2.43	---
MW-11	07/12/2007	340 f	100 f	<50 m	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	10.06	7.18	2.88	---
MW-11	01/10/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	10.06	6.03	4.03	---
MW-11	07/31/2008	<250 f	<50 f	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	10.06	7.25	2.81	---
MW-11	01/06/2009	---	---	---	---	---	---	---	---	---	---	---	---	---	10.06	8.03	2.03	---
MW-11	07/01/2009	<250 f	<50 f	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	10.06	7.62	2.44	---
MW-11	01/04/2010	---	---	---	---	---	---	---	---	---	---	---	---	---	10.06	7.43	2.63	---
MW-11	01/18/2011	<480	<480	<50	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	10.06	7.03	3.03	---
MW-11	**01/05/2012**	**Well inaccessible**		**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**10.06**	**---**	**---**	**---**
MW-12	07/20/1993	---	1,500	ND	2.8	1.9	3.2	ND	---	---	---	---	---	---	9.56	6.76	2.80	---
MW-12	10/18/1993	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	9.56	7.12	2.44	---
MW-12	01/06/1994	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	9.56	7.15	2.41	---

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
285 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

Well ID	Date	TPHmo (µg/L)	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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-12	04/12/1994	---	ND	ND	0.61	ND	ND	1.1	---	---	---	---	---	---	9.56	6.68	2.88	---
MW-12	07/25/1994	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	9.56	6.83	2.73	---
MW-12	10/25/1994	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	9.56	7.34	2.22	---
MW-12	01/09/1995	---	80 a	ND	ND	ND	ND	ND	---	---	---	---	---	---	9.56	5.02	4.54	---
MW-12	04/11/1995	---	200	ND	ND	ND	ND	ND	---	---	---	---	---	---	9.56	7.38	2.18	---
MW-12	07/18/1995	---	90	ND	ND	ND	ND	ND	---	---	---	---	---	---	9.56	8.50	1.06	---
MW-12	10/18/1995	---	---	---	---	---	---	---	---	---	---	---	---	---	9.56	6.63	2.93	---
MW-12	01/09/1996	---	ND	<50	<0.5	<0.5	<0.5	<0.5	ND	---	---	---	---	---	9.56	6.32	3.24	---
MW-12	04/02/1996	---	---	<50	<0.5	<0.5	<0.5	<0.5	<2.5	---	---	---	---	---	9.56	5.60	3.96	---
MW-12	10/03/1996	---	72	<50	<0.5	<0.5	<0.5	<0.5	<2.5	---	---	---	---	---	9.56	3.30	6.26	2.5
MW-12	04/03/1997	---	74	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	9.56	6.13	3.43	2.2
MW-12	10/08/1997	---	73	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	9.56	6.49	3.07	3.0
MW-12	06/10/1998	---	---	---	---	---	---	---	---	---	---	---	---	---	9.56	5.85	3.71	---
MW-12	12/30/1998	---	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	---	---	---	---	---	9.56	8.42	1.14	1.3/0.9
MW-12	06/25/1999	---	---	---	---	---	---	---	---	---	---	---	---	---	9.56	7.89	1.67	---
MW-12	12/28/1999	---	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	---	---	---	---	---	9.56	8.26	1.30	1.0/1.2
MW-12	05/31/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	9.56	7.21	2.35	---
MW-12	10/17/2000	---	82.9 a	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	9.56	6.80	2.76	5.1/3.0
MW-12	05/01/2001	---	---	---	---	---	---	---	---	---	---	---	---	---	9.56	5.95	3.61	---
MW-12	11/05/2001	Unable to locate		---	---	---	---	---	---	---	---	---	---	---	9.56	---	---	---
MW-12	05/01/2002	Unable to locate		---	---	---	---	---	---	---	---	---	---	---	9.56	---	---	---
MW-12	05/08/2002	---	<50	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	9.56	4.75	4.81	1.2/0.9
MW-12	07/16/2002	---	---	---	---	---	---	---	---	---	---	---	---	---	9.56	4.88	4.68	---
MW-12	10/17/2002	---	81	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	---	5.11	---	1.8/1.5
MW-12	01/21/2003	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5.76	---	---
MW-12	05/01/2003	---	95 a	<50	<0.50	<0.50	<0.50	<1.0	---	<5.0	---	---	---	---	---	5.00	---	---
MW-12	07/17/2003	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5.85	---	---
MW-12	10/02/2003	---	<50	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	---	5.02	---	---
MW-12	01/05/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3.95	---	---
MW-12	04/01/2004	---	<50	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	---	5.04	---	---
MW-12	08/02/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5.42	---	---
MW-12	11/02/2004	<500	150 h	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	---	4.55	---	---
MW-12	01/10/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5.81	---	---
MW-12	04/13/2005	<500	120 a	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	---	4.01	---	---
MW-12	07/20/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.00	---	---
MW-12	10/24/2005	<500	94 a	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	9.09	4.83	4.26	---
MW-12	01/04/2006	675 f	330 f	<50.0	<0.500	<0.500	<0.500	<0.500	---	<0.500	<10.0	---	---	---	9.09	5.52	3.57	---
MW-12	07/26/2006	153	<93.9	<50.0	<0.500	<0.500	<0.500	<0.500	---	<0.500	---	---	---	---	9.09	4.47	4.62	---
MW-12	01/02/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	9.09	5.70	3.39	---

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
285 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

Well ID	Date	TPHmo (µg/L)	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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-12	07/12/2007	<250 f	63 f	<50 m	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	9.09	5.03	4.06	---
MW-12	01/10/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	9.09	4.20	4.89	---
MW-12	07/31/2008	<250 f	<50 f	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	9.09	4.52	4.57	---
MW-12	01/06/2009	---	---	---	---	---	---	---	---	---	---	---	---	---	9.09	4.79	4.30	---
MW-12	07/01/2009	<250 f	<50 f	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	9.09	5.70	3.39	---
MW-12	01/04/2010	---	---	---	---	---	---	---	---	---	---	---	---	---	9.09	6.00	3.09	---
MW-12	01/18/2011	<480	<480	<50	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	9.09	5.61	3.48	---
MW-12	**01/05/2012**	**Well inaccessible**		**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**9.09**	**---**	**---**	**---**
MW-13	07/20/1993	---	1,500	ND	ND	ND	ND	ND	---	---	---	---	---	---	10.10	8.32	1.78	---
MW-13 (D)	07/21/1993	---	1,000	ND	ND	ND	ND	ND	---	---	---	---	---	---	10.10	8.32	1.78	---
MW-13	10/18/1993	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	10.10	8.66	1.44	---
MW-13	01/06/1994	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	10.10	8.70	1.40	---
MW-13	04/12/1994	---	100	ND	1.7	1.2	0.59	2.4	---	---	---	---	---	---	10.10	8.20	1.90	---
MW-13	07/25/1994	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	10.10	8.39	1.71	---
MW-13	10/25/1994	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	10.10	8.70	1.40	---
MW-13	01/09/1995	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	10.10	7.35	2.75	---
MW-13	04/11/1995	---	320	ND	ND	ND	ND	ND	---	---	---	---	---	---	10.10	5.50	4.60	---
MW-13	07/18/1995	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	10.10	6.63	3.47	---
MW-13	10/18/1995	---	---	---	---	---	---	---	---	---	---	---	---	---	10.10	8.12	1.98	---
MW-13	01/09/1996	---	ND	<50	<0.5	<0.5	<0.5	<0.5	ND	---	---	---	---	---	10.10	7.74	2.36	---
MW-13	04/02/1996	---	---	<50	<0.5	<0.5	<0.5	<0.5	<2.5	---	---	---	---	---	10.10	6.30	3.80	---
MW-13	10/03/1996	---	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	---	---	---	---	---	10.10	6.50	3.60	3.0
MW-13	04/03/1997	---	<50	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	10.10	7.58	2.52	2.0
MW-13	10/08/1997	---	<50	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	10.10	8.17	1.93	1.0
MW-13	06/10/1998	---	---	---	---	---	---	---	---	---	---	---	---	---	10.10	7.54	2.56	---
MW-13	12/30/1998	---	69.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	---	---	---	---	---	10.10	6.91	3.19	1.1/0.8
MW-13	06/25/1999	---	---	---	---	---	---	---	---	---	---	---	---	---	10.10	6.31	3.79	---
MW-13	12/28/1999	---	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	---	---	---	---	---	10.10	6.65	3.45	0.8/1.0
MW-13	05/31/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	10.10	5.94	4.16	---
MW-13	10/17/2000	---	121 a	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	10.10	8.38	1.72	2.5/2.8
MW-13	05/01/2001	---	---	---	---	---	---	---	---	---	---	---	---	---	10.10	7.65	2.45	---
MW-13	11/05/2001	Unable to locate		---	---	---	---	---	---	---	---	---	---	---	10.10	---	---	---
MW-13	05/01/2002	---	<50	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	10.10	6.80	3.30	3.5/3.5
MW-13	07/16/2002	---	---	---	---	---	---	---	---	---	---	---	---	---	10.10	6.84	3.26	---
MW-13	10/17/2002	---	<50	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	9.64	6.73	2.91	1.4/0.9
MW-13	01/21/2003	---	---	---	---	---	---	---	---	---	---	---	---	---	9.64	6.99	2.65	---
MW-13	05/01/2003	---	<50	<50	3.4	0.75	1.1	2.7	---	<5.0	---	---	---	---	9.64	6.62	3.02	---
MW-13	07/17/2003	---	---	---	---	---	---	---	---	---	---	---	---	---	9.64	5.99	3.65	---

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
285 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

Well ID	*Date*	*TPHmo (µg/L)*	*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)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*	*DO Reading (mg/L)*
MW-13	10/02/2003	---	<50	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	9.64	6.81	2.83	---
MW-13	01/05/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	9.64	5.98	3.66	---
MW-13	04/01/2004	---	<50	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	9.64	5.09	4.55	---
MW-13	08/02/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	9.64	5.49	4.15	---
MW-13	11/02/2004	<500	<50	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	9.64	5.99	3.65	---
MW-13	01/10/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	9.64	5.63	4.01	---
MW-13	04/13/2005	<500	72 a	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	9.64	6.00	3.64	---
MW-13	07/20/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	9.64	8.31	1.33	---
MW-13	10/24/2005	<500	52 a	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	9.62	5.00	4.62	---
MW-13	01/04/2006	<100 f	<100 f	<50.0	<0.500	<0.500	<0.500	<0.500	---	<0.500	<10.0	---	---	---	9.62	5.54	4.08	---
MW-13	07/26/2006	280	<93.9	<50.0	<0.500	<0.500	<0.500	<0.500	---	<0.500	---	---	---	---	9.62	4.92	4.70	---
MW-13	01/02/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	9.62	7.37	2.25	---
MW-13	07/12/2007	<250 f	<50 f	<50 m	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	9.62	4.60	5.02	---
MW-13	01/10/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	9.62	4.32	5.30	---
MW-13	07/31/2008	<250 f	<50 f	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	9.62	7.10	2.52	---
MW-13	01/06/2009	---	---	---	---	---	---	---	---	---	---	---	---	---	9.62	4.95	4.67	---
MW-13	07/01/2009	<250 f	<50 f	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	9.62	6.79	2.83	---
MW-13	01/04/2010	---	---	---	---	---	---	---	---	---	---	---	---	---	9.62	7.55	2.07	---
MW-13	01/18/2011	<470	<470	<50	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	9.62	5.52	4.10	---
MW-13	**01/05/2012**	**Well inaccessible**		**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**9.62**	**---**	**---**	**---**
VEW-5	09/26/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2.91	---	---
VEW-5	10/17/2000	---	4,180 a	74,800	9,090	14,600	2,630	14,500	632	---	---	---	---	---	---	2.65	---	3.0/3.1
VEW-5	05/01/2001	---	5,350	94,800	11,300	12,900	4,520	22,200	419	---	---	---	---	---	---	2.86	---	0.4/0.6
VEW-5	11/05/2001	---	<1,600	82,000	14,000	7,400	2,900	15,000	---	740	---	---	---	---	---	4.11	---	0.6/c
VEW-5	05/01/2002	---	<3,000	16,000	610	320	7.9	3,600	---	310	---	---	---	---	---	2.63	---	4.7/2.9
VEW-5	07/16/2002	---	<3,000	45,000	7,900	2,700	1,000	4,600	---	920	---	---	---	---	---	2.96	---	0.4/0.3
VEW-5	10/17/2002	---	200	<50	<0.50	<0.50	<0.50	<0.50	---	46	---	---	---	---	8.81	3.55	5.26	1.1/1.0
VEW-5	01/21/2003	---	1,200	740	53	22	17	70	---	17	---	---	---	---	8.81	2.06	6.75	1.6/0.5
VEW-5	05/01/2003	---	1,000 a	1,500	140	92	120	290	---	11	---	---	---	---	8.81	2.34	6.47	---
VEW-5	07/17/2003	---	1,400 a,f	4,200	630	1,300	360	1,400	---	38	---	---	---	---	8.81	3.36	5.45	---
VEW-5	10/02/2003	---	3,500 a	10,000	690	1,200	420	1,800	---	54	---	---	---	---	8.81	3.65	5.16	---
VEW-5	01/05/2004	---	530 a	180	5.0	0.73	6.5	11	---	1.9	---	---	---	---	8.81	2.02	6.79	---
VEW-5	04/01/2004	---	2,500 a	2,800	520	23	260	290	---	55	---	---	---	---	8.81	2.77	6.04	---
VEW-5	08/02/2004	550	3,800 a	8,900	790	74	600	1,600	---	62	<100	<40	<40	<40	8.81	3.55	5.26	---
VEW-5	11/02/2004	<500	830 g	1,200	72	5.8	83	100	---	11	---	---	---	---	8.81	2.89	5.92	---
VEW-5	01/10/2005	700	320 a	<50	<0.50	<0.50	<0.50	2.0	---	0.56	---	---	---	---	8.81	1.14	7.67	---
VEW-5	04/13/2005	1,100	540 a	270	23	1.4	11	15	---	2.0	---	---	---	---	8.81	2.17	6.64	---
VEW-5	07/20/2005	<500	100 g	130	5.7	0.65	1.4	9.3	---	7.7	41	<2.0	<2.0	<2.0	8.81	4.39	4.42	---

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
285 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

Well ID	Date	TPHmo (µg/L)	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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
VEW-5	10/24/2005	3,700 l	8,900 a	2,300	260	17	28	140	---	13	41	---	---	---	8.79	3.15	5.64	---
VEW-5	01/04/2006	710 f	883 f	493	1.69	<0.500	2.72	6.19	---	<0.500	<10.0	---	---	---	8.79	1.28	7.51	---
VEW-5	07/26/2006	744	299	860	15.8	2.49	2.55	8.77	---	3.69	<10.0	<0.500	<0.500	<0.500	8.79	2.98	5.81	---
VEW-5	01/02/2007	170 f	210 f	1,700	77	4.1	13	13	---	3.9	<5.0	---	---	---	8.79	3.30	5.49	---
VEW-5	07/12/2007	390 f	710 f	1,000 m	85	3.6	2.0	12.5	---	6.3	10	<2.0	<2.0	<2.0	8.79	3.26	5.53	---
VEW-5	01/10/2008	290 o	210 f,o	460 m	1.4	1.3	1.0	6.8	---	<1.0	<10	---	---	---	8.79	2.18	6.61	---
VEW-5	07/31/2008 p	<250 f	180 f,o	170,000	14,000	370	690	1,650	---	1,900	<1,000	<200	<200	<200	8.79	2.98	5.81	---
VEW-5	08/29/2008	1,800 f	720 f,o	1,600	110	4.6	5.1	13.4	---	<1.0	20	<2.0	<2.0	<2.0	8.79	3.14	5.65	---
VEW-5	01/06/2009	580 f	200 f,o	<50	2.0	1.4	<1.0	<1.0	---	1.4	<10	---	---	---	8.79	3.35	5.44	---
VEW-5	07/01/2009	<250 f	95 f,o	86	6.6	<1.0	<1.0	2.2	---	9.3	25	<2.0	<2.0	<2.0	8.79	3.63	5.16	---
VEW-5	01/04/2010	300 f	150 f,o	<50	3.8	<1.0	<1.0	<1.0	---	<1.0	<10	---	---	---	8.79	3.39	5.40	---
VEW-5	01/18/2011	500	<470	<50	3.5	<0.50	5.5	2.3	---	<1.0	<10	<1.0	<1.0	<1.0	8.79	2.65	6.14	---
VEW-5	**01/05/2012**	**170 f**	**170 f**	**60 m**	**1.1**	**<0.50**	**<0.50**	**<1.0**	**---**	**1.7**	**<10**	**<1.0**	**<1.0**	**<1.0**	**8.79**	**3.02**	**5.77**	**---**
VEW-6	09/26/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2.94	---	---
VEW-6	10/17/2000	---	4,820 a	63,800	6,940	2,750	2,760	18,700	3,700	---	---	---	---	---	---	3.13	---	2.0/2.1
VEW-6	05/01/2001	---	3,460	57,000	6,280	697	2,640	15,800	6,240	---	---	---	---	---	---	3.25	---	0.8/1.2
VEW-6	05/29/2001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3.17	---	3.0/1.7
VEW-6	11/05/2001	---	<1,300	39,000	6,800	380	1,900	7,900	---	8,800	---	---	---	---	---	4.35	---	0.8/1.3
VEW-6	05/01/2002	---	<4,500	24,000	1,800	270	470	3,700	---	3,100	---	---	---	---	---	2.73	---	0.2/0.4
VEW-6	07/16/2002	---	<2,700	19,000	1,900	250	140	3,500	---	2,900	---	---	---	---	---	3.59	---	0.3/0.2
VEW-6	10/17/2002	---	110	<50	<0.50	<0.50	<0.50	<0.50	---	13	---	---	---	---	9.33	4.33	5.00	0.9/1.3
VEW-6	01/21/2003	---	<500	900	30	1.1	20	61	---	110	---	---	---	---	9.33	3.08	6.25	4.6/5.6
VEW-6	05/01/2003	---	290 a	1,100 a	41	<5.0	58	66	---	89	---	---	---	---	9.33	2.79	6.54	---
VEW-6	07/17/2003	---	1,400 a,f	3,100	400	30	280	820	---	1,400	---	---	---	---	9.33	3.80	5.53	---
VEW-6	10/02/2003	---	1,200 a	2,100	310	37	200	420	---	1,500	---	---	---	---	9.33	4.10	5.23	---
VEW-6	01/05/2004	---	170 a	320	4.9	0.54	3.3	18	---	68	---	---	---	---	9.33	2.31	7.02	---
VEW-6	04/01/2004	---	270 a	450	44	1.6	23	24	---	180	---	---	---	---	9.33	2.87	6.46	---
VEW-6	08/02/2004	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	9.33	---	---	---
VEW-6	11/02/2004	<500	210 g	910	35	1.4	39	79	---	74	---	---	---	---	9.33	3.26	6.07	---
VEW-6	01/10/2005	<500	150 a	110	1.3	<0.50	1.3	3.3	---	4.7	---	---	---	---	9.33	2.01	7.32	---
VEW-6	04/13/2005	1,000 b	330 a,b	98	10	<0.50	2.4	2.6	---	77	---	---	---	---	9.33	2.05	7.28	---
VEW-6	07/20/2005	<500	<50	150	4.3	<0.50	1.1	7.1	---	7.8	37	<2.0	<2.0	<2.0	9.33	4.27	5.06	---
VEW-6	10/24/2005	1,600 l	3,300 a	4,800	150	4.6	280	720	---	120	160	---	---	---	9.22	3.56	5.66	---
VEW-6	01/04/2006	1,010 f	1,260 f	1,010	2.67	<0.500	4.79	12.6	---	23.8	93.6	---	---	---	9.22	1.85	7.37	---
VEW-6	07/26/2006	2,520	1,750	31,900	2,730	6,130	270	2,590	---	303	189	<0.500	<0.500	69.4	9.22	3.52	5.70	---
VEW-6	01/02/2007	6,700 f	4,900 f	6,100	42	740	89	850	---	25	51	---	---	---	9.22	3.38	5.84	---
VEW-6	07/12/2007	1,400 f	1,700 f	2,900 m	220	83	94	430	---	140	180	<4.0	<4.0	<4.0	9.22	3.72	5.50	---
VEW-6	01/10/2008	2,200 f	1,100 f,o	2,200 m	25	52	17	178	---	8.2	38	---	---	38	9.22	2.91	6.31	---

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
285 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

Well ID	Date	TPHmo (µg/L)	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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
VEW-6	07/31/2008	420 f	470 f,o	2,000	150	9.2	18	102	---	120	290	<2.0	<2.0	<2.0	9.22	3.43	5.79	---
VEW-6	01/06/2009	3,000 f	1,600 f,o	780	120	5.3	11	20	---	61	180	---	---	---	9.22	3.37	5.85	---
VEW-6	07/01/2009	1,200 f	680 f,o	690	95	4.5	12	30	---	17	180	<2.0	<2.0	<2.0	9.22	3.72	5.50	---
VEW-6	01/04/2010	440 f	310 f,o	1,100	380	3.7	7.4	6.8	---	97	480	---	---	---	9.22	3.47	5.75	---
VEW-6	01/18/2011	2,200	2,500	360	150	2.1	3.2	<4.0	---	53	220	<4.0	<4.0	<4.0	9.22	3.10	6.12	---
VEW-6	**01/05/2012**	**980 f**	**1,800 f**	**670 m**	**110**	**2.3**	**1.0**	**4.9**	**---**	**42**	**370**	**<1.0**	**<1.0**	**<1.0**	**9.22**	**3.43**	**5.79**	**---**
VEW-7	09/26/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3.59	---	---
VEW-7	10/17/2000	---	3,990 a	74,300	11,900	12,500	1,640	15,500	36,600	---	---	---	---	---	---	3.72	---	3.5/4.1
VEW-7	05/01/2001	---	1,930	46,000	7,250	5,300	1,960	9,820	15,600	16,900	---	---	---	---	---	3.40	---	0.8/0.8
VEW-7	05/29/2001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3.54	---	2.5/1.4
VEW-7	11/05/2001	---	<900	38,000	9,300	610	1,700	6,000	---	21,000	---	---	---	---	---	4.85	---	3.52/c
VEW-7	05/01/2002	---	<600	590	6.3	7.2	<2.5	81	---	1,100	---	---	---	---	---	2.62	---	2.9/3.3
VEW-7	07/16/2002	---	54	95	1.5	<0.50	1.5	6.1	---	100	---	---	---	---	---	3.84	---	3.6/2.5
VEW-7	10/17/2002	---	110	<50	1.4	<0.50	<0.50	<0.50	---	34	---	---	---	---	9.49	4.93	4.56	3.0/1.9
VEW-7	01/21/2003	---	180	<50	0.88	<0.50	<0.50	4.2	---	19	---	---	---	---	9.49	3.27	6.22	0.3/0.8
VEW-7	05/01/2003	---	1,000 a	2,200	62	8.0	230	80	---	360	---	---	---	---	9.49	2.95	6.54	---
VEW-7	07/17/2003	---	590 a,f	<1,200	97	19	150	110	---	830	---	---	---	---	9.49	3.94	5.55	---
VEW-7	10/02/2003	---	1,300 a	800	78	11	170	49	---	1,200	---	---	---	---	9.49	5.00	4.49	---
VEW-7	01/05/2004	---	970 a	2,500	120	13	86	300	---	660	---	---	---	---	9.49	2.82	6.67	---
VEW-7	04/01/2004	---	1,500 a	4,700	100	42	240	680	---	830	---	---	---	---	9.49	2.99	6.50	---
VEW-7	08/02/2004	<500	830 a	1,100	60	6.5	30	120	---	920	430	<20	<20	<20	9.49	4.45	5.04	---
VEW-7	11/02/2004	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	9.49	---	---	---
VEW-7	11/04/2004	<500	2,700 g	7,900	410	26	280	1,100	---	2,100	---	---	---	---	9.49	3.57	5.92	---
VEW-7	01/10/2005	<500	690 g	1,200	110	<5.0	49	73	---	530	---	---	---	---	9.49	2.26	7.23	---
VEW-7	04/13/2005	530	280 a	760	18	3.3	28	84	---	120	---	---	---	---	9.49	2.28	7.21	---
VEW-7	07/20/2005	<500	250 g	160	4.8	0.57	1.9	11	---	9.3	37	<2.0	<2.0	<2.0	9.49	4.50	4.99	---
VEW-7	10/24/2005	630 l	1,100 a	540	11	1.7	2.8	11	---	36	490	---	---	---	9.43	3.74	5.69	---
VEW-7	01/04/2006	305 f	386 f	<50.0	<0.500	<0.500	<0.500	<0.500	---	7.68	96.7	---	---	---	9.43	1.93	7.50	---
VEW-7	07/26/2006	803	383	1,140	31.2	2.92	6.09	42.1	---	87.3	257	<0.500	<0.500	<0.500	9.43	3.77	5.66	---
VEW-7	01/02/2007	220 f	230 f	1,100	8.5	0.79	4.4	11	---	18	180	---	---	---	9.43	3.47	5.96	---
VEW-7	07/12/2007	<250 f	480 f	860 m	17	1.6	3.0	46.1	---	37	240	<2.0	<2.0	<2.0	9.43	3.60	5.83	---
VEW-7	01/10/2008	<250 f	250 f,o	510 m	6.8	0.91 n	0.95 n	8.28 n	---	20	280	---	---	---	9.43	2.69	6.74	---
VEW-7	07/31/2008	<250 f	260 f,o	1,500	11	1.3	3.6	48.6	---	45	340	<2.0	<2.0	<2.0	9.43	3.65	5.78	---
VEW-7	01/06/2009	400 f	420 f,o	680	5.4	1.6	9.2	28	---	27	360	---	---	---	9.43	3.70	5.73	---
VEW-7	07/01/2009	<250 f	210 f,o	440	5.2	1.2	3.9	17	---	25	300	<2.0	<2.0	<2.0	9.43	3.74	5.69	---
VEW-7	01/04/2010	<250 f	130 f,o	150	1.9	<1.0	<1.0	3.3	---	13	400	---	---	---	9.43	3.61	5.82	---
VEW-7	01/18/2011	---	<480	280	5.6	0.69	0.99	3.7	---	8.4	310	<1.0	<1.0	<1.0	9.43	3.16	6.27	---
VEW-7	**01/05/2012**	**---**	**90 f**	**<500 m**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**9.0**	**450**	**<1.0**	**<1.0**	**<1.0**	**9.43**	**3.74**	**5.69**	**---**

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
285 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

Well ID	Date	TPHmo (µg/L)	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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
AS-1	09/26/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.67	---	---
AS-1	10/17/2000	---	3,280 a	13,400	1,600	82.8	<20.0	2,600	498	---	---	---	---	---	---	5.50	---	2.0/2.5
AS-1	05/01/2001	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AS-1	11/05/2001	---	<900	5,300	85	26	46	120	---	190	---	---	---	---	---	6.11	---	0.4/0.5
AS-1	05/01/2002	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	14.73	---	---
AS-1	07/16/2002	---	<150	210	8.2	<0.50	7.9	3.5	---	25	---	---	---	---	---	5.59	---	4.6/2.8
AS-1	10/17/2002	Well dry	---	---	---	---	---	---	---	---	---	---	---	---	8.23	---	---	---
AS-1	01/21/2003	---	220	<50	0.62	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	8.23	9.51	-1.28	2.2/2.5
AS-1	05/01/2003	---	96 a	79	2.2	0.99	5.1	4.8	---	<5.0	---	---	---	---	8.23	5.75	2.48	---
AS-1	07/17/2003	---	79 a,f	<50	1.2	0.60	0.95	1.7	---	3.6	---	---	---	---	8.23	5.90	2.33	---
AS-1	10/02/2003	---	99 a	440	12	49	22	94	---	3.5	---	---	---	---	8.23	5.90	2.33	---
AS-1	01/05/2004	---	76 a	<50	0.75	<0.50	0.70	<1.0	---	2.4	---	---	---	---	8.23	5.64	2.59	---
AS-1	04/01/2004	---	<50	<50	0.79	<0.50	<0.50	<1.0	---	3.2	---	---	---	---	8.23	5.86	2.37	---
AS-2	09/26/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5.38	---	---
AS-2	10/17/2000	---	1,380 a	4,380	167	<10.0	225	680	315	---	---	---	---	---	---	5.50	---	3.1/3.0
AS-2	05/01/2001	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AS-2	11/05/2001	---	<300	2,200	100	0.99	91	21	---	220	---	---	---	---	---	5.99	---	0.8/0.6
AS-2	05/01/2002	---	<300	880	19	<0.50	31	22	---	57	---	---	---	---	---	5.25	---	1.0/0.8
AS-2	07/16/2002	---	<200	910	40	4.1	39	43	---	78	---	---	---	---	---	5.53	---	0.7/0.9
AS-2	10/17/2002	Well dry	---	---	---	---	---	---	---	---	---	---	---	---	8.65	---	---	---
AS-2	01/21/2003	---	140	<50	1.4	<0.50	2.0	0.94	---	19	---	---	---	---	8.65	9.32	-0.67	1.4/1.6
AS-2	05/01/2003	---	120 a	56	2.1	<0.50	4.7	<1.0	---	12	---	---	---	---	8.65	6.74	1.91	---
AS-2	07/17/2003	---	80 a,f	180	11	0.56	34	13	---	23	---	---	---	---	8.65	6.40	2.25	---
AS-2	10/02/2003	---	190 a	320	8.5	6.3	24	25	---	21	---	---	---	---	8.65	6.20	2.45	---
AS-2	01/05/2004	---	160 a	210	1.4	<0.50	21	1.6	---	15	---	---	---	---	8.65	6.32	2.33	---
AS-2	04/01/2004	---	130 a	200	0.87	<0.50	17	<1.0	---	18	---	---	---	---	8.65	6.15	2.50	---
AS-3	09/26/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5.75	---	---
AS-3	10/17/2000	---	942 a	3,520	588	521	41.2	566	1,740	---	---	---	---	---	---	6.18	---	3.1/3.0
AS-3	05/01/2001	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AS-3	11/05/2001	---	110	1,600	41	4.9	8.2	30	---	240	---	---	---	---	---	6.41	---	1.1/3.2
AS-3	05/01/2002	Insufficient water		---	---	---	---	---	---	---	---	---	---	---	---	14.90	---	---
AS-3	07/16/2002	Well dry	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AS-3	10/17/2002	Insufficient water		---	---	---	---	---	---	---	---	---	---	---	8.84	14.78	-5.94	---
AS-3	01/21/2003	---	320	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	8.84	11.59	-2.75	2.2/1.1
AS-3	05/01/2003	---	150 a	57	0.53	<0.50	4.7	2.7	---	<5.0	---	---	---	---	8.84	6.44	2.40	---
AS-3	07/17/2003	---	110 a,f	<50	0.83	2.1	2.4	5.4	---	2.5	---	---	---	---	8.84	6.55	2.29	---

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
285 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

Well ID	Date	TPHmo (µg/L)	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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
AS-3	10/02/2003	---	96 a	<50	2.9	3.9	8.4	15	---	8.1	---	---	---	---	8.84	6.55	2.29	---
AS-3	01/05/2004	---	120 a	<50	<0.50	<0.50	<0.50	<1.0	---	1.5	---	---	---	---	8.84	6.47	2.37	---
AS-3	04/01/2004	---	110 a	<50	<0.50	<0.50	<0.50	<1.0	---	2.8	---	---	---	---	8.84	6.32	2.52	---

Notes:
TPHmo = Total petroleum hydrocarbons as motor oil analyzed by EPA Method 8015M.
TPHd = Total petroleum hydrocarbons as diesel analyzed by EPA Method 8015M.
TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B; prior to November 5, 2001, analyzed by EPA Method 8015 unless otherwise noted..
BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B; prior to November 5, 2001, analyzed by EPA Method 8020.
MTBE = Methyl tertiary-butyl ether analyzed by method noted
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
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 not available
(D) = Duplicate sample
x/x = DO reading; pre-purge/post-purge.
TOB = Top of well box elevation

a = Chromatogram pattern indicates an unidentified hydrocarbon/Hydrocarbon does not match pattern of laboratory's standard.
b = Sample analyzed outside of EPA-recommended holding time.
c = Post-purge DO reading not collected.
d = Laboratory did not record detected result.
e = Change in TOC due to wellhead maintenance.
f = Analysis with Silica Gel Cleanup.
g = Hydrocarbon reported is in the early Diesel range and does not match the laboratory's standard.
h = Hydrocarbon reported is in the late Diesel range and does not match the laboratory's standard.
i = The concentration reported reflect(s) individual or discrete unidentified peaks not matching a typical fuel pattern.
l = Quantity of unknown hydrocarbon(s) in sample based on motor oil.
m = Analyzed by EPA Method 8015B (M).
n = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
285 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

Well ID	Date	TPHmo (µg/L)	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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)

o = The sample chromatographic pattern for TPG 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.
p = Samples for wells MW-9 and VEW-5 on 7/31/08 appear to have been switched and were re-sampled 8/29/08.
q = Hydrocarbon result partly due to individual peak(s) in quantitation range.
r = All diesel and motor oil samples for this event were lost in laboratory fire.
s = Sample container contained headspace

All site wells except MW-11 and MW-12 surveyed on March 18, 2002 by Virgil Chavez Land Surveying
Wells MW-1 through MW-4, MW-6, MW-9 through MW-13, VEW-5, VEW-6, and VEW-7 surveyed on September 27, 2005 by Virgil Chavez Land Surveying

APPENDIX A

BLAINE TECH SERVICES, INC. - FIELD NOTES

WELL GAUGING DATA

Project # 120105-SL1 Date 1/5/12 Client Shell

Site 285 Hegenberger, Oakland

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1	0919	4					2.83	9.68		
MW-3	0904	4					5.13	9.81		
MW-6	0910	4					4.82	10.80		
MW-9	0924	4					4.40	10.70		
MW-10	0929	4					3.86	10.02		
MW-11		unable to access due to heavy Bart construction								
MW-12										
MW-13										
VEW-5	0848	4					3.02	9.55		
VEW-6	0915	4					3.43	9.92		
VEW-7	0856	4					3.74	9.80		

SHELL WELL MONITORING DATA SHEET

BTS #: 120105-SL-1	Site: 9899 5947
Sampler: SL	Date: 1/5/12
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 9.68	Depth to Water (DTW): 2.83
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]: 4.20	

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: _____

4.5 (Gals.) X	3 =	13.5 Gals.	
1 Case Volume	Specified Volumes	Calculated Volume	

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

Time	Temp (°F)	pH	Cond. (mS or ~~uS~~)	Turbidity (NTUs)	Gals. Removed	Observations
1110	65.4	7.01	1060	127	4.5	Odor
		Well	Dewatered @ 6 gal			DTW = 7.43
1330	64.4	7.48	594	67		

Did well dewater? (Yes) No Gallons actually evacuated: 6

Sampling Date: 1/5/12 Sampling Time: 1330 Depth to Water: 3.62

Sample I.D.: MW-1 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:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 12-0105-GL1	Site: 98995749
Sampler: GL	Date: 1/5/12
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 9.81	Depth to Water (DTW): 5.13
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]: 6.07	

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: _____

3.0 (Gals.) X	3	= 9.0 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
1021	62.7	7.10	899	202	3	Odor
	Well Dewatered @ 5 gal DTW=7.71					
1315	65.7	7.76	981	75		

Did well dewater? (Yes) No Gallons actually evacuated: 5

Sampling Date: 1/5/12 Sampling Time: 1315 Depth to Water: 5.63

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

SHELL WELL MONITORING DATA SHEET

BTS #: 120105-SL1	Site: 98995749
Sampler: GL	Date: 1/5/12
Well I.D.: MW-6	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 10.80	Depth to Water (DTW): 4.82
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]: 6.02	

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: _____

1 Case Volume	Specified Volumes	Calculated Volume
3.9 (Gals.) X	3 =	11.7 Gals.

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

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1032	60.4	6.94	791	>1000	3.9	Black
1037	60.7	6.79	769	72	7.8	odor
1041	60.7	6.77	768	84	11.7	DTW=8.32

Did well dewater? Yes (No) Gallons actually evacuated: 11.7

Sampling Date: 1/5/12 Sampling Time: 1240 Depth to Water: 4.82

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

SHELL WELL MONITORING DATA SHEET

BTS #: 120105-GL1	Site: 98995749
Sampler: GL	Date: 1/5/12
Well I.D.: MW-9	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 10.70	Depth to Water (DTW): 4.40
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]: 5.66	

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: ____

4.1 (Gals.) X	3	= 12.3 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1120	63.2	7.44	2089	67	4.1	yellow
	Well Dewatered @ 5 gal					DTW = 8.31
1340	62.8	7.21	2088	127		

Did well dewater? (Yes) No Gallons actually evacuated: 5

Sampling Date: 1/5/12 Sampling Time: 1340 Depth to Water: 7.73 (2hr)

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

SHELL WELL MONITORING DATA SHEET

BTS #: 120105-SL1	Site: 98995749
Sampler: SL	Date: 1/5/12
Well I.D.: MW-10	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 10.02	Depth to Water (DTW): 3.86
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]: 5.09	

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: _____

4.0 (Gals.) X	3	=	12.0 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
1130	65.1	6.99	2403	85	4.0	Odor
	Well Dewatered @ 4gal DTW=8.13					
1400	65.5	6.96	2392	69		

Did well dewater? (Yes) No Gallons actually evacuated: 4

Sampling Date: 1/5/12 Sampling Time: 1400 Depth to Water: 4.82

Sample I.D.: MW-10 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:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 120105-SL1	Site: 98995749
Sampler: SL	Date: 1/5/12
Well I.D.: MW-11	Well Diameter: 2 3 4 6 8 ___
Total Well Depth (TD):	Depth to Water (DTW):
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: _____

_____ (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
	unable to access → heavy BART					
	construction → see pics					
		No Sample				

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

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

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 120105-SL1	Site: 98995749
Sampler: SL	Date: 1/5/12
Well I.D.: MW-12	Well Diameter: 2 3 4 6 8 ___
Total Well Depth (TD):	Depth to Water (DTW):
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: _____

_____(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
	unable to access → heavy BART					
	construction → see pics					
		No	Sample			

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

Sample I.D.: Laboratory: Test America Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 120105-GL1	Site: 9899 5749
Sampler: GL	Date: 1/5/12
Well I.D.: MW-13	Well Diameter: 2 3 4 6 8 ___
Total Well Depth (TD):	Depth to Water (DTW):
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: _____

_____(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
	unable to access → heavy BART					
	construction → see pics					
		No	Sample			

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

Sample I.D.: Laboratory: Test America Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 12-0105-SL-1	Site: 98995749
Sampler: SL	Date: 1/5/12
Well I.D.: VEW-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 9.55	Depth to Water (DTW): 3.02
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]: 4.33	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other: ~~Tubing~~ + check valve

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

4.2 (Gals.) X 3 = 12.6 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
0944	63.4	6.62	437	>1000	4.2	Black
	Well Dewatered @ 5 gal				DTW=8.92	
1225	63.1	7.44	943	613		odor

Did well dewater? (Yes) No Gallons actually evacuated: 5

Sampling Date: 1/5/12 Sampling Time: 1225 Depth to Water: 5.41 (2hr)

Sample I.D.: VEW-5 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:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 120105-SL1	Site: 98975749
Sampler: SL	Date: 1/5/12
Well I.D.: VEW-6	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 9.92	Depth to Water (DTW): 3.43
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]: 4.73	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; ~~Other~~ Tubing + check valve

Sampling Method: Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; ~~Other~~: New Tubing

4.2 (Gals.) X 3 = 12.6 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1056	63.1	7.06	2037	>1000	4.2	Black
	Well	Dewatered @	8 gal		DTW = 9.40	
1300	66.9	7.14	2642	>1000		

Did well dewater? (Yes) No — Gallons actually evacuated: 8

Sampling Date: 1/5/12 — Sampling Time: 1300 — Depth to Water: 4.14

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

SHELL WELL MONITORING DATA SHEET

BTS #: 120105-GL1	Site: 9899 5749
Sampler: GL	Date: 1/5/12
Well I.D.: VEW-7	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 9.80	Depth to Water (DTW): 3.74
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]: 4.95	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other ~~Other~~ Tubing + check valve

Sampling Method: Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other ~~Other~~ New Tubing

3.9 (Gals.) X 3 = 11.7 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1005	64.2	6.90	1693	397	3.9	
	Well Dewatered @		7920		DTW= 9.33	
1250	65.2	7.23	2671	>1000		

Did well dewater? (Yes) No — Gallons actually evacuated: 7

Sampling Date: 1/5/12 — Sampling Time: 1250 — Depth to Water: 8.50 (2hr)

Sample I.D.: VEW-7 — 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:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

INCIDENT # 98995749

ADDRESS 2285 Hegenberger

DATE: 1/5/12

CITY & STATE Oakland

Well ID	Observations Upon Arrival: Manway Cover, Type, Condition & Size					Well Labeled / Painted Properly*		Well Cap (Gripper) Condition		Well Lock Condition			Well Pad / Surface Condition		Note Repairs Made Detailed Explanation of Maintenance Recommended and Performed	Photos of Well Condition		Repair Date and PM Initials
MW-1	Standpipe	(Flush)	G	P	Size (inch) 8	(Y)	N	(G)	R	(G)	R	NL	(G)	P		Y	(N)	
MW-3	Standpipe	(Flush)	G	P	Size (inch) 8	(Y)	N	(G)	R	(G)	R	NL	(G)	P		Y	(N)	
MW-6	(Standpipe)	Flush	G	P	Size (inch) 8	(Y)	N	(G)	R	(G)	R	NL	(G)	P		Y	(N)	
MW-9	(Standpipe)	Flush	G	P	Size (inch) 8	(Y)	N	(G)	R	(G)	R	NL	(G)	P		Y	(N)	
MW-10	Standpipe	(Flush)	G	P	Size (inch) 8	(Y)	N	(G)	R	(G)	R	NL	(G)	P		Y	(N)	
MW-11	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P	unable to access	Y	N	
MW-12	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-13	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
VEW-5	Standpipe	(Flush)	G	P	Size (inch) 24	Y	(N)	(G)	R	G	R	(NL)	(G)	P	slip cap / vault	Y	(N)	
VEW-6	Standpipe	(Flush)	G	P	Size (inch) 24	Y	(N)	(G)	R	G	R	(NL)	(G)	P	slip cap / vault	Y	(N)	
VEW-7	Standpipe	(Flush)	G	P	Size (inch) 24	Y	(N)	(G)	R	G	R	(NL)	(G)	P	slip cap / vault	Y	(N)	
TOTAL # CAPS REPLACED =															= TOTAL # OF LOCKS REPLACED			

Condition of Soil Boring Patches or Abandoned Monitoring Wells				If POOR, Borings/Well IDs or Location Description:			
	G	P	(N/A)		Y	N	

Remediation Compound Type (Check boxes that apply)		Condition of Enclosure			Condition of Area Inside Enclosure			Compound Security			Emergency Contact Info Visible			Cleaning / Repairs Recommended and Conducted	Photos of Condition		Repair Date and PM Initials
NA	X	G	P	(N/A)	G	P	(N/A)	G	P	(N/A)	Y	N	(N/A)		Y	N	
Building																	
Building w/ Fence Comp.																	
Fenced Compound																	
Trailer																	

Number of Drums On-site	Does the Label Reveal the Source of the Contents			Labeled Correctly and Writing Legible			Drum Condition			Confirm Drums Related to Environmental		Drums Located to Min Business Interference			Detailed Explanation of Any Issues Resolved	Photos of Drum Condition		Date Drums Removed from Site and PM Initials
0	Y	N	(N/A)	Y	N	(N/A)	G	P	(N/A)	Y	N	Y	N	(N/A)		Y	N	

G = Good (Acceptable) R = Replaced

P = Poor (needs attention) NL = No Lock Required

Note: All repairs other than locks and grippers require Shell PM approval prior to repair.

* = Groundwater monitoring well covers must be painted and labeled in accordance with applicable regulations.

Version 2.4, March 2008

All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above).

Shane Bts

Print or type Name of Field Personnel & Consultant Company

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: 285 Hegenberger Rd., Oakland, CA

Sampled: 01/05/12
Received: 01/07/12
Issued: 01/23/12 11:32

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

LABORATORY ID	CLIENT ID	MATRIX
IVA0580-01	MW-1	Water
IVA0580-02	MW-3	Water
IVA0580-03	MW-6	Water
IVA0580-04	MW-9	Water
IVA0580-05	MW-10	Water
IVA0580-06	VEW-5	Water
IVA0580-07	VEW-6	Water
IVA0580-08	VEW-7	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: 285 Hegenberger Rd., Oakland, CA
Report Number: IVA0580

Sampled: 01/05/12
Received: 01/07/12

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: IVA0580-01 (MW-1 - Water)					**Sampled: 01/05/12**			
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	12A1276	48	**550**	0.962	1/10/2012	1/12/2012	
Surrogate: n-Octacosane (45-120%)				*45 %*				
Sample ID: IVA0580-02 (MW-3 - Water)					**Sampled: 01/05/12**			
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	12A1276	48	**240**	0.962	1/10/2012	1/12/2012	
Surrogate: n-Octacosane (45-120%)				*51 %*				
Sample ID: IVA0580-03 (MW-6 - Water)					**Sampled: 01/05/12**			
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	12A1276	50	**110**	0.99	1/10/2012	1/12/2012	
Surrogate: n-Octacosane (45-120%)				*61 %*				
Sample ID: IVA0580-04 (MW-9 - Water)					**Sampled: 01/05/12**			
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	12A1276	48	**260**	0.962	1/10/2012	1/12/2012	
ORO (C29-C40)	EPA 8015B	12A1276	48	**93**	0.962	1/10/2012	1/12/2012	
Surrogate: n-Octacosane (45-120%)				*29 %*				*Z*
Surrogate: n-Octacosane (45-120%)				*29 %*				*Z*
Sample ID: IVA0580-05 (MW-10 - Water)					**Sampled: 01/05/12**			
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	12A1276	48	**1500**	0.952	1/10/2012	1/12/2012	
Surrogate: n-Octacosane (45-120%)				*64 %*				
Sample ID: IVA0580-06 (VEW-5 - Water)					**Sampled: 01/05/12**			
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	12A1276	48	**170**	0.962	1/10/2012	1/12/2012	
ORO (C29-C40)	EPA 8015B	12A1276	48	**170**	0.962	1/10/2012	1/12/2012	
Surrogate: n-Octacosane (45-120%)				*44 %*				*Z*
Surrogate: n-Octacosane (45-120%)				*44 %*				*Z*
Sample ID: IVA0580-07 (VEW-6 - Water)					**Sampled: 01/05/12**			
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	12A1276	48	**1800**	0.962	1/10/2012	1/12/2012	
ORO (C29-C40)	EPA 8015B	12A1276	48	**980**	0.962	1/10/2012	1/12/2012	
Surrogate: n-Octacosane (45-120%)				*100 %*				
Surrogate: n-Octacosane (45-120%)				*100 %*				

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Attention: Lorin King

Project ID: 285 Hegenberger Rd., Oakland, CA

Report Number: IVA0580

Sampled: 01/05/12
Received: 01/07/12

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: IVA0580-08 (VEW-7 - Water)				**Sampled: 01/05/12**				
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	12A1276	48	**90**	0.952	1/10/2012	1/12/2012	
Surrogate: n-Octacosane (45-120%)				*32 %*				*Z*

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Sampled: 01/05/12
Received: 01/07/12

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IVA0580-01 (MW-1 - Water)				**Sampled: 01/05/12**				
Reporting Units: ug/l								
GRO (C4 - C12)	EPA 8015 Mod.	12A1383	500	**4000**	10	1/12/2012	1/12/2012	
Surrogate: 4-BFB (FID) (65-140%)				*98 %*				
Sample ID: IVA0580-02 (MW-3 - Water)				**Sampled: 01/05/12**				
Reporting Units: ug/l								
GRO (C4 - C12)	EPA 8015 Mod.	12A1383	50	ND	1	1/12/2012	1/12/2012	
Surrogate: 4-BFB (FID) (65-140%)				*91 %*				
Sample ID: IVA0580-03 (MW-6 - Water)				**Sampled: 01/05/12**				
Reporting Units: ug/l								
GRO (C4 - C12)	EPA 8015 Mod.	12A1072	50	**350**	1	1/11/2012	1/11/2012	
Surrogate: 4-BFB (FID) (65-140%)				*100 %*				
Sample ID: IVA0580-04 (MW-9 - Water)				**Sampled: 01/05/12**				
Reporting Units: ug/l								
GRO (C4 - C12)	EPA 8015 Mod.	12A1383	2500	**10000**	50	1/12/2012	1/12/2012	
Surrogate: 4-BFB (FID) (65-140%)				*95 %*				
Sample ID: IVA0580-05 (MW-10 - Water)				**Sampled: 01/05/12**				
Reporting Units: ug/l								
GRO (C4 - C12)	EPA 8015 Mod.	12A1383	2500	**23000**	50	1/12/2012	1/12/2012	
Surrogate: 4-BFB (FID) (65-140%)				*95 %*				
Sample ID: IVA0580-06 (VEW-5 - Water)				**Sampled: 01/05/12**				
Reporting Units: ug/l								
GRO (C4 - C12)	EPA 8015 Mod.	12A1072	50	**60**	1	1/11/2012	1/11/2012	
Surrogate: 4-BFB (FID) (65-140%)				*124 %*				
Sample ID: IVA0580-07 (VEW-6 - Water)				**Sampled: 01/05/12**				
Reporting Units: ug/l								
GRO (C4 - C12)	EPA 8015 Mod.	12A1072	500	**670**	10	1/11/2012	1/11/2012	
Surrogate: 4-BFB (FID) (65-140%)				*121 %*				
Sample ID: IVA0580-08 (VEW-7 - Water)				**Sampled: 01/05/12**				**RL1**
Reporting Units: ug/l								
GRO (C4 - C12)	EPA 8015 Mod.	12A1072	500	ND	10	1/11/2012	1/11/2012	
Surrogate: 4-BFB (FID) (65-140%)				*112 %*				

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Sampled: 01/05/12
Received: 01/07/12

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: IVA0580-01 (MW-1 - Water)				**Sampled: 01/05/12**				**P-HS**
Reporting Units: ug/l								
Benzene	EPA 8260B	12A1143	0.50	**39**	1	1/11/2012	1/11/2012	
Ethylbenzene	EPA 8260B	12A1143	0.50	**7.7**	1	1/11/2012	1/11/2012	
Toluene	EPA 8260B	12A1143	0.50	**6.1**	1	1/11/2012	1/11/2012	
Xylenes, Total	EPA 8260B	12A1143	1.0	**18**	1	1/11/2012	1/11/2012	
Di-isopropyl Ether (DIPE)	EPA 8260B	12A1143	1.0	ND	1	1/11/2012	1/11/2012	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	12A1143	1.0	ND	1	1/11/2012	1/11/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12A1143	1.0	**9.6**	1	1/11/2012	1/11/2012	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	12A1143	1.0	ND	1	1/11/2012	1/11/2012	
tert-Butanol (TBA)	EPA 8260B	12A1143	10	**35**	1	1/11/2012	1/11/2012	
Surrogate: 4-Bromofluorobenzene (80-120%)				*103 %*				
Surrogate: Dibromofluoromethane (80-120%)				*98 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				
Sample ID: IVA0580-02 (MW-3 - Water)				**Sampled: 01/05/12**				
Reporting Units: ug/l								
Benzene	EPA 8260B	12A0741	0.50	**0.93**	1	1/7/2012	1/7/2012	
Ethylbenzene	EPA 8260B	12A0741	0.50	ND	1	1/7/2012	1/7/2012	
Toluene	EPA 8260B	12A0741	0.50	ND	1	1/7/2012	1/7/2012	
Xylenes, Total	EPA 8260B	12A0741	1.0	ND	1	1/7/2012	1/7/2012	
Di-isopropyl Ether (DIPE)	EPA 8260B	12A0741	1.0	ND	1	1/7/2012	1/7/2012	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	12A0741	1.0	ND	1	1/7/2012	1/7/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12A0741	1.0	**1.0**	1	1/7/2012	1/7/2012	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	12A0741	1.0	ND	1	1/7/2012	1/7/2012	
tert-Butanol (TBA)	EPA 8260B	12A0741	10	**160**	1	1/7/2012	1/7/2012	
Surrogate: 4-Bromofluorobenzene (80-120%)				*95 %*				
Surrogate: Dibromofluoromethane (80-120%)				*83 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				

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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: IVA0580-03 (MW-6 - Water)				**Sampled: 01/05/12**				
Reporting Units: ug/l								
Benzene	EPA 8260B	12A0990	0.50	ND	1	1/10/2012	1/11/2012	
Ethylbenzene	EPA 8260B	12A0990	0.50	ND	1	1/10/2012	1/11/2012	
Toluene	EPA 8260B	12A0990	0.50	ND	1	1/10/2012	1/11/2012	
Xylenes, Total	EPA 8260B	12A0990	1.0	ND	1	1/10/2012	1/11/2012	
Di-isopropyl Ether (DIPE)	EPA 8260B	12A0990	1.0	ND	1	1/10/2012	1/11/2012	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	12A0990	1.0	ND	1	1/10/2012	1/11/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12A0990	1.0	ND	1	1/10/2012	1/11/2012	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	12A0990	1.0	ND	1	1/10/2012	1/11/2012	
tert-Butanol (TBA)	EPA 8260B	12A0990	10	ND	1	1/10/2012	1/11/2012	
Surrogate: 4-Bromofluorobenzene (80-120%)				*92 %*				
Surrogate: Dibromofluoromethane (80-120%)				*89 %*				
Surrogate: Toluene-d8 (80-120%)				*98 %*				
Sample ID: IVA0580-04 (MW-9 - Water)				**Sampled: 01/05/12**				
Reporting Units: ug/l								
Benzene	EPA 8260B	12A0741	25	**4400**	50	1/7/2012	1/7/2012	
Ethylbenzene	EPA 8260B	12A0741	25	**74**	50	1/7/2012	1/7/2012	
Toluene	EPA 8260B	12A0741	25	**52**	50	1/7/2012	1/7/2012	
Xylenes, Total	EPA 8260B	12A0741	50	**190**	50	1/7/2012	1/7/2012	
Di-isopropyl Ether (DIPE)	EPA 8260B	12A0741	50	ND	50	1/7/2012	1/7/2012	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	12A0741	50	ND	50	1/7/2012	1/7/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12A0741	50	ND	50	1/7/2012	1/7/2012	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	12A0741	50	ND	50	1/7/2012	1/7/2012	
tert-Butanol (TBA)	EPA 8260B	12A0741	500	ND	50	1/7/2012	1/7/2012	
Surrogate: 4-Bromofluorobenzene (80-120%)				*98 %*				
Surrogate: Dibromofluoromethane (80-120%)				*88 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				

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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: IVA0580-05 (MW-10 - Water)				**Sampled: 01/05/12**				
Reporting Units: ug/l								
Benzene	EPA 8260B	12A0741	50	**10000**	100	1/7/2012	1/7/2012	
Ethylbenzene	EPA 8260B	12A0741	50	**510**	100	1/7/2012	1/7/2012	
Toluene	EPA 8260B	12A0741	50	**81**	100	1/7/2012	1/7/2012	
Xylenes, Total	EPA 8260B	12A0741	100	ND	100	1/7/2012	1/7/2012	
Di-isopropyl Ether (DIPE)	EPA 8260B	12A0741	100	ND	100	1/7/2012	1/7/2012	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	12A0741	100	ND	100	1/7/2012	1/7/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12A0741	100	**230**	100	1/7/2012	1/7/2012	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	12A0741	100	ND	100	1/7/2012	1/7/2012	
tert-Butanol (TBA)	EPA 8260B	12A0741	1000	ND	100	1/7/2012	1/7/2012	
Surrogate: 4-Bromofluorobenzene (80-120%)				*98 %*				
Surrogate: Dibromofluoromethane (80-120%)				*88 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Sample ID: IVA0580-06 (VEW-5 - Water)				**Sampled: 01/05/12**				
Reporting Units: ug/l								
Benzene	EPA 8260B	12A0990	0.50	**1.1**	1	1/10/2012	1/11/2012	
Ethylbenzene	EPA 8260B	12A0990	0.50	ND	1	1/10/2012	1/11/2012	
Toluene	EPA 8260B	12A0990	0.50	ND	1	1/10/2012	1/11/2012	
Xylenes, Total	EPA 8260B	12A0990	1.0	ND	1	1/10/2012	1/11/2012	
Di-isopropyl Ether (DIPE)	EPA 8260B	12A0990	1.0	ND	1	1/10/2012	1/11/2012	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	12A0990	1.0	ND	1	1/10/2012	1/11/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12A0990	1.0	**1.7**	1	1/10/2012	1/11/2012	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	12A0990	1.0	ND	1	1/10/2012	1/11/2012	
tert-Butanol (TBA)	EPA 8260B	12A0990	10	ND	1	1/10/2012	1/11/2012	
Surrogate: 4-Bromofluorobenzene (80-120%)				*91 %*				
Surrogate: Dibromofluoromethane (80-120%)				*91 %*				
Surrogate: Toluene-d8 (80-120%)				*95 %*				

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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: IVA0580-07 (VEW-6 - Water)				**Sampled: 01/05/12**				
Reporting Units: ug/l								
Benzene	EPA 8260B	12A0990	0.50	**110**	1	1/10/2012	1/11/2012	
Ethylbenzene	EPA 8260B	12A0990	0.50	**1.0**	1	1/10/2012	1/11/2012	
Toluene	EPA 8260B	12A0990	0.50	**2.3**	1	1/10/2012	1/11/2012	
Xylenes, Total	EPA 8260B	12A0990	1.0	**4.9**	1	1/10/2012	1/11/2012	
Di-isopropyl Ether (DIPE)	EPA 8260B	12A0990	1.0	ND	1	1/10/2012	1/11/2012	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	12A0990	1.0	ND	1	1/10/2012	1/11/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12A0990	1.0	**42**	1	1/10/2012	1/11/2012	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	12A0990	1.0	ND	1	1/10/2012	1/11/2012	
tert-Butanol (TBA)	EPA 8260B	12A0990	10	**370**	1	1/10/2012	1/11/2012	
Surrogate: 4-Bromofluorobenzene (80-120%)				*93 %*				
Surrogate: Dibromofluoromethane (80-120%)				*94 %*				
Surrogate: Toluene-d8 (80-120%)				*96 %*				
Sample ID: IVA0580-08 (VEW-7 - Water)				**Sampled: 01/05/12**				
Reporting Units: ug/l								
Benzene	EPA 8260B	12A0990	0.50	ND	1	1/10/2012	1/11/2012	
Ethylbenzene	EPA 8260B	12A0990	0.50	ND	1	1/10/2012	1/11/2012	
Toluene	EPA 8260B	12A0990	0.50	ND	1	1/10/2012	1/11/2012	
Xylenes, Total	EPA 8260B	12A0990	1.0	ND	1	1/10/2012	1/11/2012	
Di-isopropyl Ether (DIPE)	EPA 8260B	12A0990	1.0	ND	1	1/10/2012	1/11/2012	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	12A0990	1.0	ND	1	1/10/2012	1/11/2012	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	12A0990	1.0	**9.0**	1	1/10/2012	1/11/2012	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	12A0990	1.0	ND	1	1/10/2012	1/11/2012	
tert-Butanol (TBA)	EPA 8260B	12A0990	10	**450**	1	1/10/2012	1/11/2012	
Surrogate: 4-Bromofluorobenzene (80-120%)				*90 %*				
Surrogate: Dibromofluoromethane (80-120%)				*93 %*				
Surrogate: Toluene-d8 (80-120%)				*96 %*				

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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: 12A1276 Extracted: 01/11/12										
Blank Analyzed: 01/12/2012 (12A1276-BLK1)										
DRO (C10-C28)	ND	50	ug/l							
ORO (C29-C40)	ND	50	ug/l							
EFH (C10 - C28)	ND	50	ug/l							
Surrogate: n-Octacosane	*96.9*		*ug/l*	*200*		*48*	*45-120*			
Surrogate: n-Octacosane	*96.9*		*ug/l*	*200*		*48*	*45-120*			
LCS Analyzed: 01/12/2012 (12A1276-BS1)										**MNR1**
DRO (C10-C28)	565	50	ug/l	1000		56	40-115			
EFH (C10 - C28)	565	50	ug/l	1000		56	40-115			
Surrogate: n-Octacosane	*116*		*ug/l*	*200*		*58*	*45-120*			
Surrogate: n-Octacosane	*116*		*ug/l*	*200*		*58*	*45-120*			
LCS Dup Analyzed: 01/12/2012 (12A1276-BSD1)										
DRO (C10-C28)	545	50	ug/l	1000		55	40-115	4	25	
EFH (C10 - C28)	545	50	ug/l	1000		55	40-115	4	25	
Surrogate: n-Octacosane	*114*		*ug/l*	*200*		*57*	*45-120*			
Surrogate: n-Octacosane	*114*		*ug/l*	*200*		*57*	*45-120*			

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Received: 01/07/12

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12A1072 Extracted: 01/11/12										
Blank Analyzed: 01/11/2012 (12A1072-BLK1)										
GRO (C4 - C12)	ND	50	ug/l							
Surrogate: 4-BFB (FID)	*10.0*		*ug/l*	*10.0*		*100*	*65-140*			
LCS Analyzed: 01/11/2012 (12A1072-BS1)										
GRO (C4 - C12)	660	50	ug/l	800		82	80-120			
Surrogate: 4-BFB (FID)	*10.9*		*ug/l*	*10.0*		*109*	*65-140*			
Matrix Spike Analyzed: 01/11/2012 (12A1072-MS1)					**Source: IVA0689-02**					
GRO (C4 - C12)	663	50	ug/l	800	36.2	78	65-140			
Surrogate: 4-BFB (FID)	*12.0*		*ug/l*	*10.0*		*120*	*65-140*			
Matrix Spike Dup Analyzed: 01/11/2012 (12A1072-MSD1)					**Source: IVA0689-02**					
GRO (C4 - C12)	638	50	ug/l	800	36.2	75	65-140	4	20	
Surrogate: 4-BFB (FID)	*11.9*		*ug/l*	*10.0*		*119*	*65-140*			
Batch: 12A1383 Extracted: 01/12/12										
Blank Analyzed: 01/12/2012 (12A1383-BLK1)										
GRO (C4 - C12)	ND	50	ug/l							
Surrogate: 4-BFB (FID)	*8.70*		*ug/l*	*10.0*		*87*	*65-140*			
LCS Analyzed: 01/12/2012 (12A1383-BS1)										
GRO (C4 - C12)	799	50	ug/l	800		100	80-120			
Surrogate: 4-BFB (FID)	*11.2*		*ug/l*	*10.0*		*112*	*65-140*			
Matrix Spike Analyzed: 01/12/2012 (12A1383-MS1)					**Source: IUL3089-04**					
GRO (C4 - C12)	790	50	ug/l	800	39.0	94	65-140			
Surrogate: 4-BFB (FID)	*12.2*		*ug/l*	*10.0*		*122*	*65-140*			

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Project ID: 285 Hegenberger Rd., Oakland, CA
Report Number: IVA0580
Sampled: 01/05/12
Received: 01/07/12

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 12A1383 Extracted: 01/12/12										
Matrix Spike Dup Analyzed: 01/12/2012 (12A1383-MSD1)					**Source: IUL3089-04**					
GRO (C4 - C12)	809	50	ug/l	800	39.0	96	65-140	2	20	
Surrogate: 4-BFB (FID)	*11.9*		*ug/l*	*10.0*		*119*	*65-140*			

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Attention: Lorin King

Project ID: 285 Hegenberger Rd., Oakland, CA
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Received: 01/07/12

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: 12A0741 Extracted: 01/07/12										
Blank Analyzed: 01/07/2012 (12A0741-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	*23.8*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Dibromofluoromethane	*20.5*		*ug/l*	*25.0*		*82*	*80-120*			
Surrogate: Toluene-d8	*24.9*		*ug/l*	*25.0*		*100*	*80-120*			
LCS Analyzed: 01/07/2012 (12A0741-BS1)										
Benzene	23.0	0.50	ug/l	25.0		92	70-120			
Ethylbenzene	23.7	0.50	ug/l	25.0		95	75-125			
Toluene	23.5	0.50	ug/l	25.0		94	70-120			
m,p-Xylenes	51.0	1.0	ug/l	50.0		102	75-125			
o-Xylene	24.5	0.50	ug/l	25.0		98	75-125			
Xylenes, Total	75.5	1.0	ug/l	75.0		101	70-125			
Di-isopropyl Ether (DIPE)	23.9	1.0	ug/l	25.0		96	60-135			
Ethyl tert-Butyl Ether (ETBE)	22.3	1.0	ug/l	25.0		89	65-135			
Methyl-tert-butyl Ether (MTBE)	21.3	1.0	ug/l	25.0		85	60-135			
tert-Amyl Methyl Ether (TAME)	23.6	1.0	ug/l	25.0		95	60-135			
tert-Butanol (TBA)	136	10	ug/l	125		109	70-135			
Surrogate: 4-Bromofluorobenzene	*24.1*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: Dibromofluoromethane	*21.2*		*ug/l*	*25.0*		*85*	*80-120*			
Surrogate: Toluene-d8	*24.9*		*ug/l*	*25.0*		*100*	*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: 12A0741 Extracted: 01/07/12										
LCS Dup Analyzed: 01/07/2012 (12A0741-BSD1)										
Benzene	23.7	0.50	ug/l	25.0		95	70-120	3	20	
Ethylbenzene	24.1	0.50	ug/l	25.0		97	75-125	2	20	
Toluene	24.1	0.50	ug/l	25.0		96	70-120	2	20	
m,p-Xylenes	51.6	1.0	ug/l	50.0		103	75-125	1	20	
o-Xylene	24.9	0.50	ug/l	25.0		100	75-125	2	20	
Xylenes, Total	76.5	1.0	ug/l	75.0		102	70-125	1	20	
Di-isopropyl Ether (DIPE)	24.7	1.0	ug/l	25.0		99	60-135	3	20	
Ethyl tert-Butyl Ether (ETBE)	22.8	1.0	ug/l	25.0		91	65-135	2	20	
Methyl-tert-butyl Ether (MTBE)	21.8	1.0	ug/l	25.0		87	60-135	2	25	
tert-Amyl Methyl Ether (TAME)	24.2	1.0	ug/l	25.0		97	60-135	2	25	
tert-Butanol (TBA)	138	10	ug/l	125		110	70-135	1	20	
Surrogate: 4-Bromofluorobenzene	*23.5*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: Dibromofluoromethane	*21.4*		*ug/l*	*25.0*		*85*	*80-120*			
Surrogate: Toluene-d8	*25.1*		*ug/l*	*25.0*		*100*	*80-120*			
Matrix Spike Analyzed: 01/07/2012 (12A0741-MS1)					**Source: IVA0534-01**					
Benzene	24.0	0.50	ug/l	25.0	ND	96	65-125			
Ethylbenzene	24.0	0.50	ug/l	25.0	ND	96	65-130			
Toluene	24.7	0.50	ug/l	25.0	ND	99	70-125			
m,p-Xylenes	51.8	1.0	ug/l	50.0	ND	104	65-130			
o-Xylene	25.3	0.50	ug/l	25.0	ND	101	65-125			
Xylenes, Total	77.1	1.0	ug/l	75.0	ND	103	60-130			
Di-isopropyl Ether (DIPE)	25.9	1.0	ug/l	25.0	ND	104	60-140			
Ethyl tert-Butyl Ether (ETBE)	24.2	1.0	ug/l	25.0	ND	97	60-135			
Methyl-tert-butyl Ether (MTBE)	23.1	1.0	ug/l	25.0	ND	93	55-145			
tert-Amyl Methyl Ether (TAME)	25.9	1.0	ug/l	25.0	ND	104	60-140			
tert-Butanol (TBA)	140	10	ug/l	125	ND	112	65-140			
Surrogate: 4-Bromofluorobenzene	*24.1*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Dibromofluoromethane	*21.9*		*ug/l*	*25.0*		*88*	*80-120*			
Surrogate: Toluene-d8	*25.2*		*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: 12A0741 Extracted: 01/07/12										
Matrix Spike Dup Analyzed: 01/07/2012 (12A0741-MSD1)					**Source: IVA0534-01**					
Benzene	23.8	0.50	ug/l	25.0	ND	95	65-125	1	20	
Ethylbenzene	23.7	0.50	ug/l	25.0	ND	95	65-130	1	20	
Toluene	24.5	0.50	ug/l	25.0	ND	98	70-125	1	20	
m,p-Xylenes	51.0	1.0	ug/l	50.0	ND	102	65-130	2	25	
o-Xylene	24.9	0.50	ug/l	25.0	ND	100	65-125	1	20	
Xylenes, Total	76.0	1.0	ug/l	75.0	ND	101	60-130	2	20	
Di-isopropyl Ether (DIPE)	25.7	1.0	ug/l	25.0	ND	103	60-140	0.9	25	
Ethyl tert-Butyl Ether (ETBE)	24.2	1.0	ug/l	25.0	ND	97	60-135	0.2	25	
Methyl-tert-butyl Ether (MTBE)	22.6	1.0	ug/l	25.0	ND	90	55-145	2	25	
tert-Amyl Methyl Ether (TAME)	25.3	1.0	ug/l	25.0	ND	101	60-140	2	30	
tert-Butanol (TBA)	141	10	ug/l	125	ND	113	65-140	0.9	25	
Surrogate: 4-Bromofluorobenzene	*24.5*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Dibromofluoromethane	*22.1*		*ug/l*	*25.0*		*88*	*80-120*			
Surrogate: Toluene-d8	*25.3*		*ug/l*	*25.0*		*101*	*80-120*			
Batch: 12A0990 Extracted: 01/10/12										
Blank Analyzed: 01/10/2012 (12A0990-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	*22.4*		*ug/l*	*25.0*		*89*	*80-120*			
Surrogate: Dibromofluoromethane	*23.2*		*ug/l*	*25.0*		*93*	*80-120*			
Surrogate: Toluene-d8	*23.6*		*ug/l*	*25.0*		*94*	*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: 12A0990 Extracted: 01/10/12										
LCS Analyzed: 01/10/2012 (12A0990-BS1)										
Benzene	22.4	0.50	ug/l	25.0		90	70-120			
Ethylbenzene	21.9	0.50	ug/l	25.0		88	75-125			
Toluene	22.6	0.50	ug/l	25.0		90	70-120			
m,p-Xylenes	47.4	1.0	ug/l	50.0		95	75-125			
o-Xylene	22.9	0.50	ug/l	25.0		92	75-125			
Xylenes, Total	70.3	1.0	ug/l	75.0		94	70-125			
Di-isopropyl Ether (DIPE)	21.0	1.0	ug/l	25.0		84	60-135			
Ethyl tert-Butyl Ether (ETBE)	19.1	1.0	ug/l	25.0		76	65-135			
Methyl-tert-butyl Ether (MTBE)	17.4	1.0	ug/l	25.0		70	60-135			
tert-Amyl Methyl Ether (TAME)	18.6	1.0	ug/l	25.0		74	60-135			
tert-Butanol (TBA)	134	10	ug/l	125		107	70-135			
Surrogate: 4-Bromofluorobenzene	*23.3*		*ug/l*	*25.0*		*93*	*80-120*			
Surrogate: Dibromofluoromethane	*23.8*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Toluene-d8	*24.1*		*ug/l*	*25.0*		*96*	*80-120*			
Matrix Spike Analyzed: 01/10/2012 (12A0990-MS1)					**Source: IVA0558-01**					
Benzene	24.2	0.50	ug/l	25.0	ND	97	65-125			
Ethylbenzene	22.3	0.50	ug/l	25.0	ND	89	65-130			
Toluene	24.2	0.50	ug/l	25.0	ND	97	70-125			
m,p-Xylenes	45.5	1.0	ug/l	50.0	ND	91	65-130			
o-Xylene	22.2	0.50	ug/l	25.0	ND	89	65-125			
Xylenes, Total	67.7	1.0	ug/l	75.0	ND	90	60-130			
Di-isopropyl Ether (DIPE)	22.5	1.0	ug/l	25.0	ND	90	60-140			
Ethyl tert-Butyl Ether (ETBE)	21.1	1.0	ug/l	25.0	ND	84	60-135			
Methyl-tert-butyl Ether (MTBE)	19.2	1.0	ug/l	25.0	ND	77	55-145			
tert-Amyl Methyl Ether (TAME)	20.1	1.0	ug/l	25.0	ND	80	60-140			
tert-Butanol (TBA)	186	10	ug/l	125	38.6	118	65-140			
Surrogate: 4-Bromofluorobenzene	*23.0*		*ug/l*	*25.0*		*92*	*80-120*			
Surrogate: Dibromofluoromethane	*23.4*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: Toluene-d8	*24.6*		*ug/l*	*25.0*		*98*	*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: 12A0990 Extracted: 01/10/12										
Matrix Spike Dup Analyzed: 01/10/2012 (12A0990-MSD1)					**Source: IVA0558-01**					
Benzene	23.2	0.50	ug/l	25.0	ND	93	65-125	4	20	
Ethylbenzene	20.8	0.50	ug/l	25.0	ND	83	65-130	7	20	
Toluene	22.5	0.50	ug/l	25.0	ND	90	70-125	7	20	
m,p-Xylenes	41.3	1.0	ug/l	50.0	ND	83	65-130	10	25	
o-Xylene	20.9	0.50	ug/l	25.0	ND	83	65-125	6	20	
Xylenes, Total	62.1	1.0	ug/l	75.0	ND	83	60-130	9	20	
Di-isopropyl Ether (DIPE)	21.4	1.0	ug/l	25.0	ND	86	60-140	5	25	
Ethyl tert-Butyl Ether (ETBE)	19.9	1.0	ug/l	25.0	ND	80	60-135	6	25	
Methyl-tert-butyl Ether (MTBE)	18.3	1.0	ug/l	25.0	ND	73	55-145	5	25	
tert-Amyl Methyl Ether (TAME)	19.4	1.0	ug/l	25.0	ND	78	60-140	4	30	
tert-Butanol (TBA)	173	10	ug/l	125	38.6	108	65-140	7	25	
Surrogate: 4-Bromofluorobenzene	*22.6*		*ug/l*	*25.0*		*90*	*80-120*			
Surrogate: Dibromofluoromethane	*23.8*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Toluene-d8	*24.3*		*ug/l*	*25.0*		*97*	*80-120*			
Batch: 12A1143 Extracted: 01/11/12										
Blank Analyzed: 01/11/2012 (12A1143-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	*26.8*		*ug/l*	*25.0*		*107*	*80-120*			
Surrogate: Dibromofluoromethane	*26.1*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: Toluene-d8	*24.8*		*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: 12A1143 Extracted: 01/11/12										
LCS Analyzed: 01/11/2012 (12A1143-BS1)										
Benzene	24.0	0.50	ug/l	25.0		96	70-120			
Ethylbenzene	22.4	0.50	ug/l	25.0		90	75-125			
Toluene	23.1	0.50	ug/l	25.0		92	70-120			
m,p-Xylenes	45.2	1.0	ug/l	50.0		90	75-125			
o-Xylene	23.7	0.50	ug/l	25.0		95	75-125			
Xylenes, Total	69.0	1.0	ug/l	75.0		92	70-125			
Di-isopropyl Ether (DIPE)	25.6	1.0	ug/l	25.0		102	60-135			
Ethyl tert-Butyl Ether (ETBE)	29.2	1.0	ug/l	25.0		117	65-135			
Methyl-tert-butyl Ether (MTBE)	26.1	1.0	ug/l	25.0		104	60-135			
tert-Amyl Methyl Ether (TAME)	29.9	1.0	ug/l	25.0		120	60-135			
tert-Butanol (TBA)	122	10	ug/l	125		98	70-135			
Surrogate: 4-Bromofluorobenzene	*25.0*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Dibromofluoromethane	*24.7*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: Toluene-d8	*24.6*		*ug/l*	*25.0*		*98*	*80-120*			
Matrix Spike Analyzed: 01/11/2012 (12A1143-MS1)					**Source: IVA0464-10**					
Benzene	25.1	0.50	ug/l	25.0	ND	100	65-125			
Ethylbenzene	24.8	0.50	ug/l	25.0	ND	99	65-130			
Toluene	25.2	0.50	ug/l	25.0	ND	101	70-125			
m,p-Xylenes	48.7	1.0	ug/l	50.0	ND	97	65-130			
o-Xylene	26.2	0.50	ug/l	25.0	ND	105	65-125			
Xylenes, Total	75.0	1.0	ug/l	75.0	ND	100	60-130			
Di-isopropyl Ether (DIPE)	28.1	1.0	ug/l	25.0	ND	112	60-140			
Ethyl tert-Butyl Ether (ETBE)	30.6	1.0	ug/l	25.0	ND	123	60-135			
Methyl-tert-butyl Ether (MTBE)	50.4	1.0	ug/l	25.0	23.4	108	55-145			
tert-Amyl Methyl Ether (TAME)	31.3	1.0	ug/l	25.0	0.570	123	60-140			
tert-Butanol (TBA)	599	10	ug/l	125	492	86	65-140			
Surrogate: 4-Bromofluorobenzene	*27.0*		*ug/l*	*25.0*		*108*	*80-120*			
Surrogate: Dibromofluoromethane	*26.6*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: Toluene-d8	*26.0*		*ug/l*	*25.0*		*104*	*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: 12A1143 Extracted: 01/11/12										
Matrix Spike Dup Analyzed: 01/11/2012 (12A1143-MSD1)					**Source: IVA0464-10**					
Benzene	25.3	0.50	ug/l	25.0	ND	101	65-125	0.8	20	
Ethylbenzene	24.6	0.50	ug/l	25.0	ND	99	65-130	0.6	20	
Toluene	25.3	0.50	ug/l	25.0	ND	101	70-125	0.3	20	
m,p-Xylenes	49.1	1.0	ug/l	50.0	ND	98	65-130	0.8	25	
o-Xylene	25.0	0.50	ug/l	25.0	ND	100	65-125	5	20	
Xylenes, Total	74.0	1.0	ug/l	75.0	ND	99	60-130	1	20	
Di-isopropyl Ether (DIPE)	26.8	1.0	ug/l	25.0	ND	107	60-140	5	25	
Ethyl tert-Butyl Ether (ETBE)	29.8	1.0	ug/l	25.0	ND	119	60-135	3	25	
Methyl-tert-butyl Ether (MTBE)	50.7	1.0	ug/l	25.0	23.4	110	55-145	0.7	25	
tert-Amyl Methyl Ether (TAME)	30.1	1.0	ug/l	25.0	0.570	118	60-140	4	30	
tert-Butanol (TBA)	605	10	ug/l	125	492	90	65-140	1	25	
Surrogate: 4-Bromofluorobenzene	*26.8*		*ug/l*	*25.0*		*107*	*80-120*			
Surrogate: Dibromofluoromethane	*26.0*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: Toluene-d8	*27.2*		*ug/l*	*25.0*		*109*	*80-120*			

TestAmerica Irvine

Philip Sanelle
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

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

Project ID: 285 Hegenberger Rd., Oakland, CA

Report Number: IVA0580

Sampled: 01/05/12
Received: 01/07/12

DATA QUALIFIERS AND DEFINITIONS

MNR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
P-HS	Sample container contained headspace.
RL1	Reporting limit raised due to sample matrix effects.
Z	Due to sample matrix effects, the surrogate recovery was below the acceptance limits.
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 GRO (C4-C12):

GRO (C4-C12) is quantitated against a gasoline standard. Quantitation begins immediately following the methanol peak.

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 8015 Mod.	Water	X	X
EPA 8015B	Water	X	X
EPA 8260B	Water	X	X

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

TestAmerica Irvine

Philip Sanelle
Project Manager

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 240734

PO # 40-40347373

INCIDENT # (ENV SERVICES): 98995749

SAP #

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 1/5/12

PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services	LOG CODE: BTSS	SITE ADDRESS: Street and City: 285 Hegenberger Rd., Oakland	State: CA
ADDRESS: 1680 Rogers Avenue, San Jose, CA		GLOBAL ID NO.: T0600101245	
PROJECT CONTACT (Hardcopy or PDF Report to): Lorin King		EDF DELIVERABLE TO (Name, Company, Office Location): Brenda Carter, CRA, Emeryville	PHONE NO.: 510-420-3343
TELEPHONE: 310-995-4455 x 108	FAX: 310-637-5802	E-MAIL: lking@blainetech.com	E-MAIL: shelledf@craworld.com
		SAMPLER NAME(S) (Print): S. Lane	CONSULTANT PROJECT NO.: 120105-L41
			LAB USE ONLY: TVA 0580

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 (5260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B)	BTEX + 5 OXYs (MTBE, TBA, DIPE, TAME, ETBE) 8260B	Full VOC list (8260B)	Single Compound: (8260B)	1,2-DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	TPH MO	Nitrate	Sulfate	Methane	Container PID Readings or Laboratory Notes
	MW-1	1/5/12	1330	WG	X			X		5		X	X				X							X				
	MW-3		1315	WG	X			X		5		X	X				X											
	MW-6		1240	WG	X			X		5		X	X				X											
	MW-9		1340	WG	X			X		5		X	X				X							X				
	MW-10		1400	WG	X			X		5		X	X				X							X				
	VEW-5		1225	WG	X			X		5		X	X				X							X				
	VEW-6		1300	WG	X			X		5		X	X				X							X				
	VEW-7		1250	WG	X			X		5		X	X				X											
																												TP 1/7/12 1437

TEMPERATURE ON REC: C° 3.4°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
S Lane	S Lane (S.L.)	1/5/12	1530
	Gerald Maylon	1/6/12	1340
Gerald Maylon 1-6-12 16:30		1/07/12	1045

05/2/06 Revision

(5)