CONESTOGA-ROVERS & ASSOCIATES

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

TRANSMITTAL

DATE: December 18, 2012

REFERENCE NO.: 240554

PROJECT NAME: 3420 San Pablo Avenue, Oakland

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

RECEIVED
By Alameda County Environmental Health at 3:38 pm, Jan 17, 2013

Please find enclosed:
- ☐ Draft
- ☐ Originals
- ☐ Prints
- ☒ Final
- ☐ Other

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- ☐ Mail
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- ☒ Other GeoTracker and Alameda County FTP

QUANTITY	DESCRIPTION
1	Groundwater Monitoring Report – Fourth 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)
Shahriar Almasi, Portola Valley Shell (property owner), 965 Laurel Glen Drive, Palo Alto, CA 94304

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: Former Shell Service Station
3420 San Pablo Avenue
Oakland, California
SAP Code 139619
Incident No. 98995748
ACEH Case No. RO0000006

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 – FOURTH QUARTER 2012

FORMER SHELL SERVICE STATION
3420 SAN PABLO AVENUE
OAKLAND, CALIFORNIA

SAP CODE 139619
INCIDENT NO. 98995748
AGENCY NO. RO0000006

Prepared by:
Conestoga-Rovers & Associates

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

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DECEMBER 18, 2012
REF. NO. 240554 (15)
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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	3420 San Pablo Avenue, Oakland
Site Use	Active Third-Party Station
Shell Project Manager	Denis Brown
CRA Project Manager	Peter Schaefer
Lead Agency and Contact	ACEH, Jerry Wickham
Agency Case No.	RO0000006
Shell SAP Code	139619
Shell Incident No.	98995748

Date of most recent agency correspondence was December 13, 2012 (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 reports are presented in Appendix B.

Blaine installed a separate-phase-hydrocarbon-absorbent canister in well MW-6R on February 10, 2011 and has replaced the canisters quarterly since then. No separate-phase hydrocarbons (SPHs) were measured in well MW-6R on July 6, 2012 or during the October 17, 2012 sampling event. Approximately 0.82 pounds of SPHs (weight of the canister upon removal minus the dry weight of the canister) were

removed from MW-6R during this period. An SPH removal summary is provided below.

SPH REMOVAL SUMMARY	
This Period (pounds)	*Cumulative Removal (pounds)*
0.82	26.8

CRA's July 25, 2012 *Subsurface Investigation Report* presented results from three soil borings and proposed further on-site soil investigation to delineate the extent of total lead in soils, which was approved in Alameda County Environmental Health's (ACEH's) August 27, 2012 letter. ACEH's December 13, 2012 electronic correspondence extended the due date for a report on the investigation to March 14, 2013.

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Variable
Hydraulic Gradient	Variable
Depth to Water	3.60 to 10.00 feet below top of well casing

2.3 PROPOSED ACTIVITIES

CRA will complete the additional on-site subsurface investigation proposed in our July 25, 2012 *Subsurface Investigation Report.* The investigation is tentatively scheduled for January 31, 2013 and CRA will submit a report to ACEH by March 14, 2013.

Blaine will gauge and sample wells according to the established monitoring program for this site. This site is monitored semiannually during the second and fourth quarters, and CRA will issue groundwater monitoring reports semiannually following the sampling events. In addition, Blaine will replace the SPH-absorbent canister in well MW-6R quarterly. If no SPHs are recovered for four consecutive quarters, the SPH-absorbent canister will be removed.

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

Peter Schaefer, CHG, CEG

Aubrey K. Cool, PG

FIGURES

12/02/08

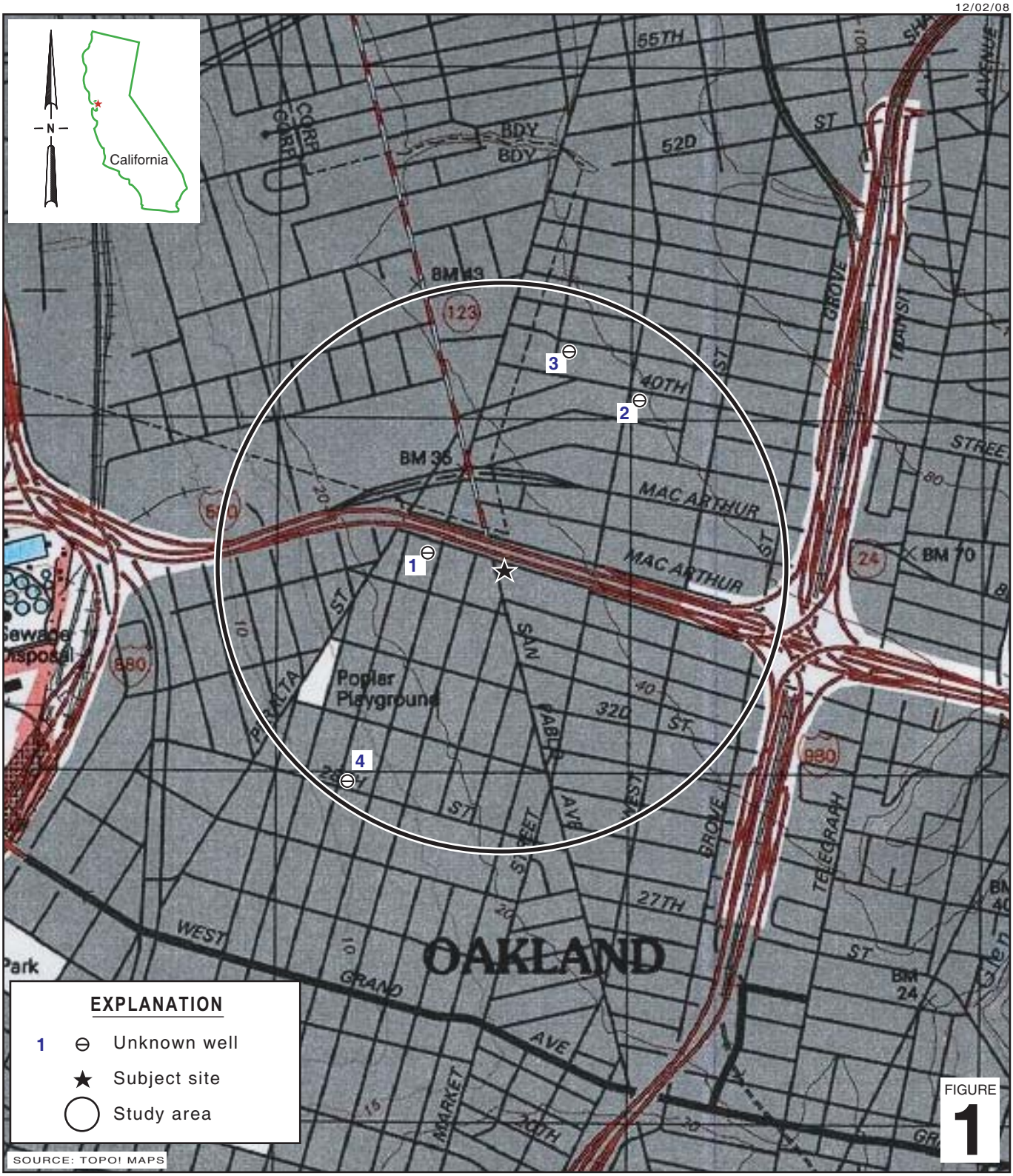

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FIGURE
1

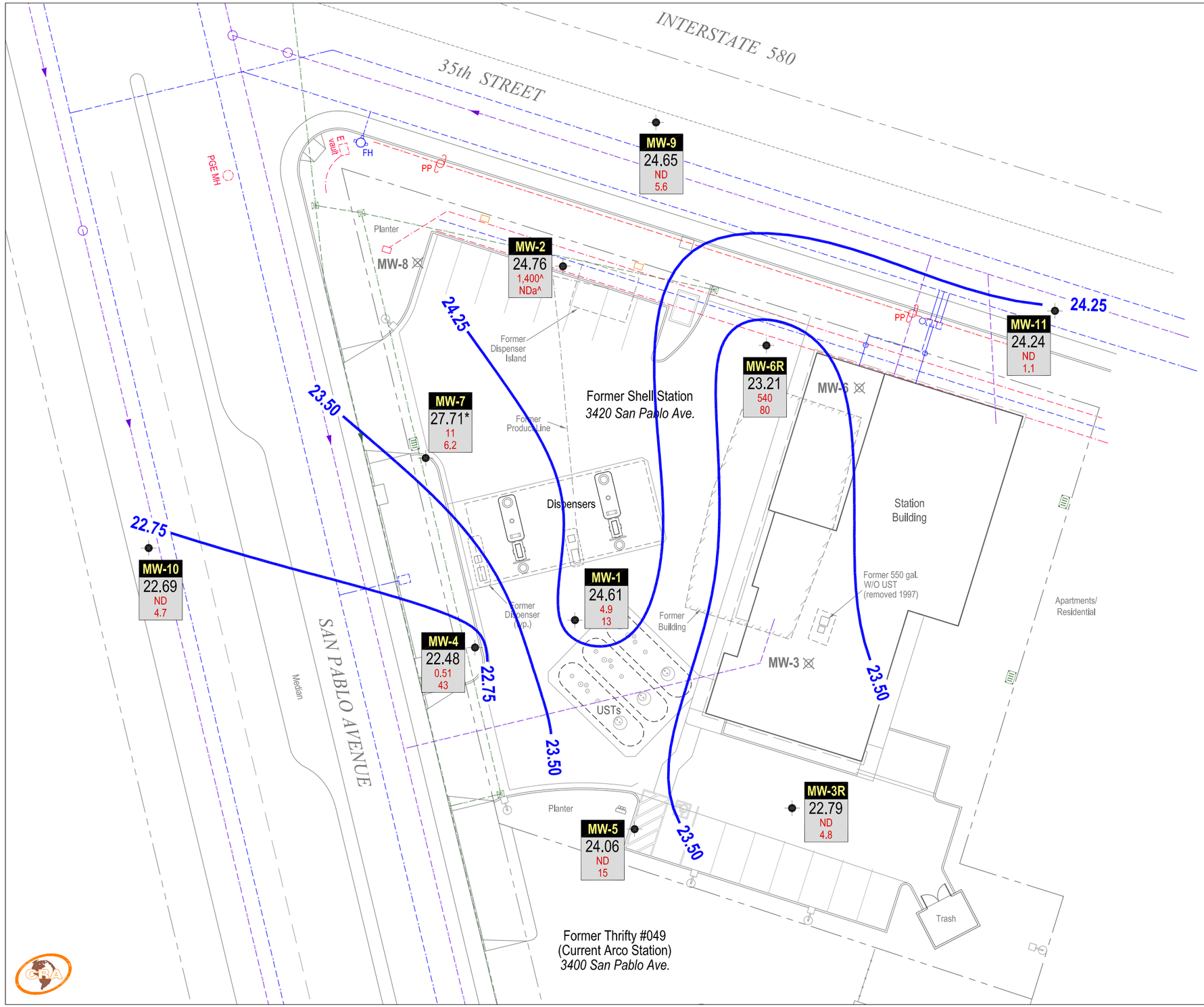
0 1/8 1/4 1/2 1

SCALE (MILES)

Former Shell Service Station
3420 San Pablo Avenue
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map



EXPLANATION

- MW-1 — Monitoring well location (Shell)
- MW-3 — Destroyed monitoring well location
- Storm drain line (STM)
- Sanitary Sewer line (SAN)
- Water line (W)
- Overhead electrical line (OE)
- Electrical line (E)
- Storm drain catch basin
- Fire hydrant (FH)
- Flow direction indicator
- Miscellaneous utility vault, as labeled
- XX.XX — Groundwater elevation contour, in feet above mean sea level (ft MSL)

Well
ELEV.
Benzene
MTBE

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

Notes:
ND = Not detected
NDa = Elevated reporting limit; see laboratory report for details
*** =** Screen submerged; well not used in contouring
^ = Sampled November 7, 2012

Figure 2

Groundwater Contour and Chemical Concentration Map
October 17, 2012
Former Shell Service Station
3420 San Pablo Avenue
Oakland, California

I:\Shell\6-chars\2405--\240554-Oakland 3420 San Pablo\240554-REPORTS\240554-RPT15-4Q12\240554 4QM12-GW.DWG (11/28/2012)

TABLE

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
3420 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Well ID	Date	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)	EDB (µg/L)	1,2-DCA (µg/L)	Ethanol (µg/L)	DO Reading (mg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
MW-1	08/06/1991	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	21.28	10.86	---	10.42
MW-1	10/23/1991	32,000	2,700	360	550	3,700	---	---	---	---	---	---	---	---	---	---	21.28	11.05	0.01	10.24
MW-1	01/28/1992	14,000	1,000	106	450	1,600	---	---	---	---	---	---	---	---	---	---	21.28	10.84	---	10.44
MW-1	05/05/1992	98,000	11,000	1,200	3,500	18,000	---	---	---	---	---	---	---	---	---	---	21.28	9.42	<0.01	11.87
MW-1	07/13/1992	11,000	1,100	130	740	1,300	---	---	---	---	---	---	---	---	---	---	21.28	11.36	---	9.92
MW-1	10/12/1992	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	21.28	13.14	0.09	8.21
MW-1	01/12/1993	---	110	---	---	---	---	---	---	---	---	---	---	---	---	---	21.28	7.52	0.02	13.78
MW-1	04/06/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	21.28	7.13	<0.01	14.16
MW-1	07/12/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	21.28	11.02	0.01	10.27
MW-1	10/13/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	21.28	12.18	0.01	9.11
MW-1	01/20/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	21.28	9.18	0.01	12.11
MW-1	04/13/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	21.28	8.72	0.02	12.58
MW-1	07/19/1994	17,000	420	140	530	1,300	---	---	---	---	---	---	---	---	---	---	21.28	8.76	---	12.52
MW-1	10/27/1994	23,000	1,200	130	990	960	---	---	---	---	---	---	---	---	---	---	21.28	10.49	---	10.79
MW-1	01/03/1995	31,000	610	160	1,200	5,000	---	---	---	---	---	---	---	---	---	---	21.28	6.15	---	15.13
MW-1	04/13/1995	20,000	340	42	680	2,900	---	---	---	---	---	---	---	---	---	---	21.28	5.24	---	16.04
MW-1	06/30/1995	16,000	450	62	460	1,200	---	---	---	---	---	---	---	---	---	---	21.28	7.24	---	14.04
MW-1	10/11/1995	8,400	660	47	510	850	8,000	---	---	---	---	---	---	---	---	---	21.28	9.48	---	11.80
MW-1	10/13/1995	7,400	730	54	490	1,100	8,200	---	---	---	---	---	---	---	---	---	21.28	---	---	---
MW-1	01/17/1996	24,000	570	110	820	2,900	15,000	---	---	---	---	---	---	---	---	---	21.28	6.48	---	14.80
MW-1	04/10/1996	20,000	120	11	420	1,400	15,000	---	---	---	---	---	---	---	---	---	21.28	5.38	---	15.90
MW-1	07/30/1996	7,900	240	22	170	300	12,000	---	---	---	---	---	---	---	---	---	21.28	7.61	---	13.67
MW-1	10/17/1996	6,600	1,000	20	120	130	10,000	---	---	---	---	---	---	---	---	1.4	21.28	8.66	---	12.62
MW-1	01/22/1997	13,000	170	<50	330	1,200	18,000	---	---	---	---	---	---	---	---	1.6	21.28	5.00	---	16.28
MW-1	04/01/1997	7,900	240	26	130	200	6,400	---	---	---	---	---	---	---	---	1.4	21.28	6.42	---	14.86
MW-1	07/14/1997	5,000	<20	<20	59	61	9,000	---	---	---	---	---	---	---	---	1.9	21.28	8.92	---	12.36
MW-1	10/08/1997	3,200	180	7.6	18	6.1	11,000	---	---	---	---	---	---	---	---	4.8	21.28	9.43	---	11.85
MW-1	01/19/1998	8,100	39	<20	280	660	1,100	---	---	---	---	---	---	---	---	2.6	21.28	1.20	---	20.08
MW-1	04/28/1998	2,900	62	<10	160	370	1,200	1,200	---	---	---	---	---	---	---	2.4	21.28	4.81	---	16.47
MW-1	09/30/1998	1,300	25	8.3	<5.0	12	2,000	---	---	---	---	---	---	---	---	1.6	21.05	9.90	---	11.15
MW-1	12/09/1998	21,000	240	<200	520	920	18,000	18,000	---	---	---	---	---	---	---	4.3	21.05	12.26	---	8.79
MW-1	01/18/1999	10,600	<100	<100	471	130	48,600	50,800	---	---	---	---	---	---	---	1.3	21.05	6.00	---	15.05
MW-1	04/12/1999	7,500	101	26.0	248	578	31,000	37,900	---	---	---	---	---	---	---	1.2	21.05	4.00	---	17.05
MW-1	07/27/1999	5,420	80.1	<50.0	123	143	24,700	33,200 j	---	---	---	---	---	---	---	1.3	21.05	6.18	---	14.87
MW-1	10/14/1999	3,750	75.8	<12.5	30.3	37.0	17,200	20,600	---	---	---	---	---	---	---	1.3	21.05	6.83	---	14.22
MW-1	01/06/2000	5,550	82.2	<5.00	128	45.4	9,410	8,200	---	---	---	---	---	---	---	1.3	21.05	6.36	---	14.69
MW-1	04/05/2000	2,860	50.6	<10.0	98.2	36.2	4,120	3,150 j	---	---	---	---	---	---	---	2.0	21.05	3.65	---	17.40

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
3420 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Well ID	Date	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)	EDB (µg/L)	1,2-DCA (µg/L)	Ethanol (µg/L)	DO Reading (mg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
MW-1	07/20/2000	3,600	37.9	36.0	34.2	40.4	3,140	3,430 j	---	---	---	---	---	---	---	1.2	21.05	4.11	---	16.94
MW-1	10/24/2000	2,330	32.3	<10.0	10.5	27.1	4,900	4,500	---	---	---	---	---	---	---	1.4	21.05	5.18	---	15.87
MW-1	01/19/2001	2,000	25.9	24.9	12.5	29.7	2,610	3,070	---	---	---	---	---	---	---	1.8	32.01	3.90	---	28.11
MW-1	04/27/2001	2,200	14	<2.0	5.3	6.8	---	1,100	---	---	---	---	---	---	---	1.5	32.01	4.48	---	27.53
MW-1	07/26/2001	2,600	26	2.3	<2.0	5.4	---	890	---	---	---	---	---	---	---	1.2	32.01	6.28	---	25.73
MW-1	10/02/2001	1,900	54	<2.0	7.8	14	---	890	450	<2.0	<2.0	<2.0	---	---	<500	1.6	32.01	6.53	---	25.48
MW-1	01/15/2002	2,300	19	2.8	9.3	12	---	370	---	---	---	---	---	---	---	1.9	32.01	5.00	---	27.01
MW-1	04/17/2002	4,500	20	2.0	1.3	4.6	---	500	---	---	---	---	---	---	---	2.4	32.01	5.63	---	26.38
MW-1	07/11/2002	2,700	25	1.1	<1.0	2.1	---	500	---	---	---	---	---	---	---	1.5	32.01	6.10	---	25.91
MW-1	10/10/2002	2,200	20	1.0	1.8	3.5	---	580	---	---	---	---	---	---	---	2.5	32.01	6.68	---	25.33
MW-1	01/21/2003	3,100	27	12	30	14	---	810	---	---	---	---	---	---	---	1.7	32.01	4.35	---	27.66
MW-1	05/02/2003	4,100	36	<25	<25	<50	---	1,000	---	---	---	---	---	---	---	2.1	32.01	5.19	---	26.82
MW-1	07/10/2003	1,900	37	<12	<12	<25	---	600	---	---	---	---	---	---	---	---	32.01	5.61	---	26.40
MW-1	10/28/2003	4,300	97	<10	10	<20	---	1,800	---	---	---	---	---	---	---	---	32.01	5.78	---	26.23
MW-1	01/13/2004	3,000	53	10	29	<10	---	510	---	---	---	---	---	---	---	---	32.01	4.95	---	27.06
MW-1	04/01/2004	3,000	85	29	11	15	---	310	---	---	---	---	---	---	---	---	32.01	5.05	---	26.96
MW-1	07/21/2004	3,200	130	19	7.7	18	---	410	1,100	<20	<20	<20	---	---	---	---	32.01	5.90	---	26.11
MW-1	10/20/2004	3,600	200	8.4	12	21	---	320	---	---	---	---	---	---	---	---	32.01	5.63	---	26.38
MW-1	01/19/2005	2,800	55	<5.0	21	17	---	170	---	---	---	---	---	---	---	---	32.01	4.64	---	27.37
MW-1	04/20/2005	2,600	28	<5.0	11	<10	---	140	---	---	---	---	---	---	---	---	32.01	3.75	---	28.26
MW-1	07/20/2005	2,000	20	<1.0	1.6	2.3	---	110	220	<4.0	<4.0	<4.0	---	---	---	---	32.01	6.19	---	25.82
MW-1	10/19/2005	2,200	21	0.80	2.1	1.9	---	80	---	---	---	---	---	---	---	---	32.01	7.20	---	24.81
MW-1	01/24/2006	7,000	35.5	2.24	119	17.1	---	80.2	---	---	---	---	---	---	---	---	32.01	4.04	---	27.97
MW-1	04/19/2006	2,030	10.3	1.04	2.44	<0.500	---	27.2	---	---	---	---	---	---	---	---	32.01	2.74	---	29.27
MW-1	07/19/2006	4,310	18.1	<0.500	1.48	<0.500	---	34.8	<10.0	<0.500	<0.500	<0.500	---	---	---	---	32.01	4.74	---	27.27
MW-1	10/18/2006	4,370	15.0	0.520	4.73	2.06	---	49.1	---	---	---	---	---	---	---	---	32.01	6.03	---	25.98
MW-1	01/17/2007	410	<0.50	<0.50	<0.50	<1.0	---	24	---	---	---	---	---	---	---	---	32.01	5.40	---	26.61
MW-1	04/18/2007	1,400 h	9.2	0.35 i	0.94 i	0.92 i	---	37	---	---	---	---	---	---	---	---	32.01	6.13	---	25.88
MW-1	07/18/2007	1,100 h	25	0.34 i	3.4	<1.0	---	72	63	<2.0	<2.0	<2.0	---	---	---	---	32.01	7.13	---	24.88
MW-1	10/18/2007	1,300 h	70	0.85 i	14	1.08 i	---	160	---	---	---	---	---	---	---	---	32.01	7.13	---	24.88
MW-1	01/16/2008	4,000 h	22	<1.0	14	3.5	---	33	---	---	---	---	---	---	---	---	32.01	5.02	---	26.99
MW-1	04/16/2008	1,800	12	<1.0	1.5	1.5	---	39	---	---	---	---	---	---	---	---	32.01	6.26	---	25.75
MW-1	07/16/2008	1,600	5.3	<1.0	<1.0	<1.0	---	32	27	<2.0	<2.0	<2.0	---	---	---	---	32.01	6.60	---	25.41
MW-1	10/15/2008	1,200	4.1	<1.0	<1.0	<1.0	---	20	---	---	---	---	---	---	---	---	32.01	6.85	---	25.16
MW-1	01/21/2009	1,300	6.7	<1.0	<1.0	<1.0	---	28	---	---	---	---	---	---	---	---	32.01	6.20	---	25.81
MW-1	04/15/2009	1,600	4.1	1.2	1.5	<1.0	---	5.2	---	---	---	---	---	---	---	---	32.01	4.90	---	27.11
MW-1	10/21/2009	5,300	54	2.2	89	3.6	---	35	20	<2.0	<2.0	<2.0	---	---	---	---	32.01	5.51	---	26.50

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
3420 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Well ID	Date	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)	EDB (µg/L)	1,2-DCA (µg/L)	Ethanol (µg/L)	DO Reading (mg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
MW-1	04/21/2010	1,900	4.3	<1.0	<1.0	<1.0	---	3.6	---	---	---	---	---	---	---	---	32.01	4.93	---	27.08
MW-1	10/20/2010	1,400	18	<1.0	1.4	<1.0	---	32	---	---	---	---	---	---	---	---	32.01	7.39	---	24.62
MW-1	04/20/2011	1,100	3.1	<0.50	1.1	<1.0	---	3.1	---	---	---	---	---	---	---	---	32.01	3.90	---	28.11
MW-1	10/18/2011	540	2.0	2.5	1.2	6.0	---	5.6	<10	<1.0	<1.0	<1.0	<0.50	<0.50	---	---	32.01	5.77	---	26.24
MW-1	04/18/2012	520	1.3	<0.50	0.75	<1.0	---	3.4	---	---	---	---	<0.50	<0.50	---	---	32.01	2.91	---	29.10
MW-1	**10/17/2012**	**460**	**4.9**	**<0.50**	**<0.50**	**<1.0**	**---**	**13**	**---**	**---**	**---**	**---**	**<0.50**	**<0.50**	**---**	**---**	**32.01**	**7.40**	**---**	**24.61**
MW-2	08/06/1991	50,000	15,000	---	2,700	13,000	---	---	---	---	---	---	---	---	---	---	21.56	9.72	---	11.84
MW-2	10/23/1991	120,000	11,000	1,400	3,500	19,000	---	---	---	---	---	---	---	---	---	---	21.56	10.03	---	11.53
MW-2	01/28/1992	49,000	7,400	800	1,800	8,300	---	---	---	---	---	---	---	---	---	---	21.56	8.78	---	12.78
MW-2	05/05/1992	52,000	12,000	1,100	2,200	12,000	---	---	---	---	---	---	---	---	---	---	21.56	7.58	---	13.98
MW-2	07/13/1992	47,000	15,000	2,400	4,500	16,000	---	---	---	---	---	---	---	---	---	---	21.56	9.63	---	11.93
MW-2	10/12/1992	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	21.56	11.66	0.03	9.92
MW-2	01/12/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	21.56	7.13	0.01	14.44
MW-2	04/06/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	21.56	6.40	<0.01	15.17
MW-2	07/12/1993	59,000	12,000	950	2,400	11,000	---	---	---	---	---	---	---	---	---	---	21.56	8.75	---	12.81
MW-2	10/13/1993	54,000	14,000	1,200	3,700	22,000	---	---	---	---	---	---	---	---	---	---	21.56	10.28	---	11.28
MW-2	01/20/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	21.56	---	---	---
MW-2	04/13/1994	79,000	9,400	740	2,100	12,000	---	---	---	---	---	---	---	---	---	---	21.56	7.35	<0.01	14.22
MW-2	07/19/1994	63,000	13,000	810	1,900	13,000	---	---	---	---	---	---	---	---	---	---	21.56	8.24	---	13.32
MW-2	10/27/1994	64,000	8,800	480	2,100	10,000	---	---	---	---	---	---	---	---	---	---	21.56	10.26	---	11.30
MW-2	01/03/1995	67,000	9,800	720	2,800	11,000	---	---	---	---	---	---	---	---	---	---	21.56	6.44	---	15.12
MW-2	04/13/1995	83,000	10,000	490	2,600	13,000	---	---	---	---	---	---	---	---	---	---	21.56	5.89	---	15.67
MW-2	06/30/1995	65,000	12,000	1,800	2,400	12,000	---	---	---	---	---	---	---	---	---	---	21.56	7.41	---	14.15
MW-2	10/11/1995	68,000	8,800	840	3,000	13,000	1,400	---	---	---	---	---	---	---	---	---	21.56	8.02	---	13.54
MW-2	01/17/1996	79,000	12,000	640	2,700	14,000	2,200	---	---	---	---	---	---	---	---	---	21.56	7.42	---	14.14
MW-2	04/10/1996	84,000	7,200	310	1,700	7,800	2,900	---	---	---	---	---	---	---	---	---	21.56	6.91	---	14.65
MW-2	07/30/1996	26,000	6,800	210	1,300	5,500	4,500	---	---	---	---	---	---	---	---	---	21.56	7.63	---	13.93
MW-2	10/17/1996	46,000	9,800	340	2,000	6,500	4,900	---	---	---	---	---	---	---	---	1.8	21.56	8.27	---	13.29
MW-2	01/22/1997	52,000	6,200	220	1,400	6,600	3,000	---	---	---	---	---	---	---	---	1.9	21.56	7.09	---	14.47
MW-2	04/01/1997	69,000	6,000	380	2,400	11,000	3,800	---	---	---	---	---	---	---	---	2.0	21.56	6.91	---	14.65
MW-2	07/14/1997	53,000	7,700	260	1,600	5,200	2,400	---	---	---	---	---	---	---	---	1.2	21.56	9.93	---	11.63
MW-2	10/08/1997	56,000	8,500	320	1,600	5,100	4,200	---	---	---	---	---	---	---	---	2.1	21.56	10.43	---	11.13
MW-2	01/19/1998	64,000	10,000	230	2,400	12,000	2,700	---	---	---	---	---	---	---	---	2.4	21.56	3.60	---	17.96
MW-2	04/28/1998	45,000	9,800	310	2,700	11,000	2,400	2,000	---	---	---	---	---	---	---	2	21.56	4.81	---	16.75
MW-2	09/30/1998	42,000	7,400	200	2,600	9,800	1,800	---	---	---	---	---	---	---	---	1.6	21.58	7.20	---	14.38
MW-2	12/09/1998	60,000	7,000	270	1,600	7,000	2,100	---	---	---	---	---	---	---	---	4.6	21.58	7.11	---	14.47

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
3420 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Well ID	Date	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)	EDB (µg/L)	1,2-DCA (µg/L)	Ethanol (µg/L)	DO Reading (mg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
MW-2	01/18/1999	45,000	7,960	151	1,750	6,410	1,310	---	---	---	---	---	---	---	---	1.8	21.58	6.83	---	14.75
MW-2	04/12/1999	47,400	7,680	131	1,840	6,400	<1,000	---	---	---	---	---	---	---	---	1.9	21.58	5.90	---	15.68
MW-2	07/27/1999	36,400	6,750	83.5	1,590	5,070	682	---	---	---	---	---	---	---	---	2.0	21.58	6.56	---	15.02
MW-2	10/14/1999	45,300	6,990	144	1,850	4,930	1,070	---	---	---	---	---	---	---	---	1.5	21.58	8.90	---	12.68
MW-2	01/06/2000	44,100	5,820	107	1,720	4,590	841	---	---	---	---	---	---	---	---	1.4	21.58	7.27	---	14.31
MW-2	04/05/2000	32,000	6,680	<100	1,770	4,030	934	---	---	---	---	---	---	---	---	1.3	21.58	5.32	---	16.26
MW-2	07/20/2000	32,100	5,290	68.6	1,870	3,810	254	---	---	---	---	---	---	---	---	2.9	21.58	5.47	---	16.11
MW-2	10/24/2000	24,400	4,680	<50.0	1,460	2,380	682	---	---	---	---	---	---	---	---	2.2	21.58	5.88	---	15.70
MW-2	01/19/2001	29,200	4,980	127	2,820	4,320	<500	---	---	---	---	---	---	---	---	1.4	32.54	5.96	---	26.58
MW-2	04/27/2001	40,000	5,400	67	2,800	5,100	---	380	---	---	---	---	---	---	---	1.1	32.54	5.87	---	26.67
MW-2	07/26/2001	42,000	4,700	59	2,800	4,300	---	<250	---	---	---	---	---	---	---	1.0	32.54	6.48	---	26.06
MW-2	10/02/2001	36,000	4,200	64	2,400	2,700	---	<200	---	---	---	---	---	---	---	1.6	32.54	6.65	---	25.89
MW-2	01/15/2002	39,000	4,100	46	2,200	2,300	---	280	---	---	---	---	---	---	---	1.8	32.54	5.81	---	26.73
MW-2	04/17/2002	30,000	3,800	44	2,100	2,100	---	270	---	---	---	---	---	---	---	1.6	32.54	6.03	---	26.51
MW-2	07/11/2002	34,000	3,600	18	2,700	2,200	---	110	---	---	---	---	---	---	---	2.7	32.54	6.49	---	26.05
MW-2	10/10/2002	26,000	2,600	19	1,900	810	---	<100	---	---	---	---	---	---	---	2.4	32.54	6.82	---	25.72
MW-2	01/21/2003	30,000	3,000	24	2,000	1,400	---	140	---	---	---	---	---	---	---	1.6	32.54	6.00	---	26.54
MW-2	05/02/2003	23,000	2,800	28	1,400	880	---	<250	---	---	---	---	---	---	---	1.7	32.54	5.85	---	26.69
MW-2	07/10/2003	20,000	3,800	<50	2,500	1,500	---	180	---	---	---	---	---	---	---	---	32.54	6.16	---	26.38
MW-2	10/28/2003	35,000	5,400	59	2,800	1,400	---	140	---	---	---	---	---	---	---	---	32.54	6.30	---	26.24
MW-2	01/13/2004	39,000	6,400	55	3,000	1,400	---	240	---	---	---	---	---	---	---	---	32.54	5.93	---	26.61
MW-2	04/01/2004	29,000	4,200	<50	2,300	1,000	---	140	---	---	---	---	---	---	---	---	32.54	5.99	---	26.55
MW-2	07/21/2004	43,000	3,900	<50	2,700	860	---	93	<500	<200	<200	<200	---	---	---	---	32.54	6.05	---	26.49
MW-2	10/20/2004	33,000	5,100	<50	2,800	950	---	97	---	---	---	---	---	---	---	---	32.54	6.10	---	26.44
MW-2	01/19/2005	27,000	3,400	<50	2,000	580	---	120	---	---	---	---	---	---	---	---	32.54	5.41	---	27.13
MW-2	04/20/2005	37,000	3,400	<50	1,900	580	---	110	---	---	---	---	---	---	---	---	32.54	5.86	---	26.68
MW-2	07/20/2005	33,000	3,900	<50	2,300	590	---	86	<500	<200	<200	<200	---	---	---	---	32.54	8.39	---	24.15
MW-2	10/19/2005	12,000	2,100	15	1,500	430	---	80	---	---	---	---	---	---	---	---	32.54	7.96	---	24.58
MW-2	01/24/2006	44,600	3,260	20.3	2,220	458	---	107	---	---	---	---	---	---	---	---	32.54	4.54	---	28.00
MW-2	04/19/2006	<2,500	2,520	13.2	1,610	343	---	104	---	---	---	---	---	---	---	---	32.54	4.63	---	27.91
MW-2	07/19/2006	41,900	2,460	10.9	1,670	322	---	78.2	<10.0	<0.500	<0.500	<0.500	---	---	---	---	32.54	5.48	---	27.06
MW-2	10/18/2006	49,400	2,490	11.0	2,130	320	---	47.6	---	---	---	---	---	---	---	---	32.54	6.50	---	26.04
MW-2	01/17/2007	16,000	2,200	12	1,600	260	---	56	---	---	---	---	---	---	---	---	32.54	6.19	---	26.35
MW-2	04/18/2007	22,000 h	2,100	14 i	1,700	289	---	100	---	---	---	---	---	---	---	---	32.54	6.70	---	25.84
MW-2	07/18/2007	19,000 h	2,100	12 i	2,000	267	---	61	<200	<40	<40	<40	---	---	---	---	32.54	7.60	---	24.94
MW-2	10/18/2007	24,000 h	2,400	17 i	2,200	253	---	150	---	---	---	---	---	---	---	---	32.54	8.55	---	23.99
MW-2	01/16/2008	26,000 h	2,400	<20	1,600	200	---	130	---	---	---	---	---	---	---	---	32.54	6.08	---	26.46

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
3420 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Well ID	Date	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)	EDB (µg/L)	1,2-DCA (µg/L)	Ethanol (µg/L)	DO Reading (mg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
MW-2	04/15/2009	28,000	2,200	<20	1,200	110	---	220	---	---	---	---	---	---	---	---	32.54	6.00	---	26.54
MW-2	10/21/2009	30,000	1,900	<20	1,200	130	---	110	<200	<40	<40	<40	---	---	---	---	32.54	7.12	---	25.42
MW-2	04/21/2010	16,000	2,100	<25	890	95	---	140	---	---	---	---	---	---	---	---	32.54	5.37	---	27.17
MW-2	10/20/2010	21,000	1,800	<20	730	97	---	110	---	---	---	---	---	---	---	---	32.54	7.90	---	24.64
MW-2	04/20/2011	17,000	1,400	<12	460	76	---	82	---	---	---	---	---	---	---	---	32.54	5.46	---	27.08
MW-2	10/18/2011	16,000	1,400	<10	250	93	---	73	<200	<20	<20	<20	<10	<10	---	---	32.54	6.89	---	25.65
MW-2	04/18/2012	17,000	1,100	---	---	---	---	57	---	---	---	---	<13	<13	---	---	32.54	4.80	---	27.74
MW-2	**10/17/2012**	**Well inaccessible**		**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**32.54**	**7.78**	**---**	**24.76**
MW-2	**11/07/2012**	**16,000**	**1,400**	**<10**	**150**	**73**	**---**	**<10**	**<200**	**<10**	**<10**	**<10**	**<10**	**<10**	**---**	**---**	**32.54**	**7.26**	**---**	**25.28**
MW-3	08/06/1991	430	8.0	1.0	4.0	15	---	---	---	---	---	---	---	---	---	---	21.78	11.18	---	10.60
MW-3	10/23/1991	390	2.1	<0.3	0.48	2.0	---	---	---	---	---	---	---	---	---	---	21.78	11.69	---	10.09
MW-3	01/28/1992	190	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	---	---	21.78	9.99	---	11.79
MW-3	05/04/1992	190	<1	<1	<1	0.71	---	---	---	---	---	---	---	---	---	---	21.78	9.46	---	12.32
MW-3	07/20/1992	200 a	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	---	---	21.78	11.29	---	10.49
MW-3	10/12/1992	180 a	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	---	---	21.78	13.10	---	8.68
MW-3	01/12/1993	180	<0.5	2.3	0.90	5.6	---	---	---	---	---	---	---	---	---	---	21.78	7.32	---	14.46
MW-3	04/06/1993	280	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	---	---	21.78	7.44	---	14.34
MW-3	07/12/1993	310 a	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	---	---	21.78	10.62	---	11.16
MW-3	10/13/1993	150	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	---	---	21.78	12.05	---	9.73
MW-3	01/20/1994	180	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	---	---	21.78	9.62	---	12.16
MW-3	04/13/1994	270	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	---	---	21.78	9.15	---	12.63
MW-3	07/19/1994	190 a	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	---	---	21.78	10.13	---	11.65
MW-3	10/27/1994	160 a	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	---	---	21.78	11.66	---	10.12
MW-3	01/03/1995	100 a	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	---	---	21.78	6.89	---	14.89
MW-3	04/13/1995	120 a	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	---	---	21.78	6.79	---	14.99
MW-3	06/30/1995	180 a	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	---	---	21.78	8.94	---	12.84
MW-3	10/11/1995	150	2.2	<0.5	<0.5	<0.5	2.3	---	---	---	---	---	---	---	---	---	21.78	10.62	---	11.16
MW-3	01/17/1996	120	<0.5	<0.5	<0.5	<0.5	7.8	---	---	---	---	---	---	---	---	---	21.78	7.18	---	14.60
MW-3	04/10/1996	160	<0.5	<0.5	<0.5	<0.5	12	---	---	---	---	---	---	---	---	---	21.78	6.76	---	15.02
MW-3	07/30/1996	57	<0.5	<0.5	<0.5	<0.5	<2.5	---	---	---	---	---	---	---	---	---	21.78	9.04	---	12.74
MW-3	10/17/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	---	---	---	---	---	---	---	---	2.0	21.78	9.04	---	12.74
MW-3	01/22/1997	<50	<0.5	<0.5	<0.5	<0.5	3.7	---	---	---	---	---	---	---	---	2.4	21.78	5.03	---	16.75
MW-3	04/01/1997	71	<0.50	<0.50	<0.50	<0.50	b	---	---	---	---	---	---	---	---	1.6	21.78	8.23	---	13.55
MW-3	07/14/1997	<50	<0.50	<0.50	<0.50	1.5	b	---	---	---	---	---	---	---	---	1.9	21.78	9.09	---	12.69
MW-3	10/08/1997	73	<0.50	<0.50	<0.50	<0.50	b	---	---	---	---	---	---	---	---	5.5	21.78	10.23	---	11.55
MW-3	12/05/1997	Well destroyed		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
3420 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Well ID	Date	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)	EDB (µg/L)	1,2-DCA (µg/L)	Ethanol (µg/L)	DO Reading (mg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
MW-3	04/01/1997	71	<0.50	<0.50	<0.50	<0.50	b	---	---	---	---	---	---	---	---	1.6	21.78	8.23	---	13.55
MW-3	07/14/1997	<50	<0.50	<0.50	<0.50	1.5	b	---	---	---	---	---	---	---	---	1.9	21.78	9.09	---	12.69
MW-3	10/08/1997	73	<0.50	<0.50	<0.50	<0.50	b	---	---	---	---	---	---	---	---	5.5	21.78	10.23	---	11.55
MW-3	12/05/1997	Well destroyed		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3R	04/06/1999	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	21.83	9.89	---	11.94
MW-3R	04/12/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	---	---	---	---	---	---	---	---	2.1	21.83	5.83	---	16.00
MW-3R	07/27/1999	<50.0	<0.500	<0.500	<0.500	<0.500	4.15	---	---	---	---	---	---	---	---	2.0	21.83	9.59	---	12.24
MW-3R	10/14/1999	<50.0	<0.500	<0.500	<0.500	<0.500	9.43	---	---	---	---	---	---	---	---	0.6	21.83	10.00	---	11.83
MW-3R	01/06/2000	78	<0.500	<0.500	<0.500	<0.500	31	---	---	---	---	---	---	---	---	0.8	21.83	9.71	---	12.12
MW-3R	04/05/2000	<50.0	<0.500	<0.500	<0.500	<0.500	273	2,890 j	---	---	---	---	---	---	---	1.5	21.83	6.90	---	14.93
MW-3R	07/20/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	---	---	---	1.1	21.83	6.94	---	14.89
MW-3R	10/24/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	21.83	8.90	---	12.93
MW-3R	01/19/2001	<50.0	<0.500	<0.500	<0.500	<0.500	79.2	---	---	---	---	---	---	---	---	2.0	32.79	7.04	---	25.75
MW-3R	04/27/2001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	32.79	7.38	---	25.41
MW-3R	07/26/2001	97	<0.50	<0.50	<0.50	<0.50	---	200	---	---	---	---	---	---	---	1.8	32.79	9.30	---	23.49
MW-3R	10/02/2001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	32.79	9.41	---	23.38
MW-3R	01/15/2002	55	<0.50	<0.50	<0.50	<0.50	---	32	---	---	---	---	---	---	---	0.7	32.79	6.05	---	26.74
MW-3R	04/17/2002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	32.79	7.70	---	25.09
MW-3R	07/11/2002	110	<0.50	<0.50	<0.50	<0.50	---	65	---	---	---	---	---	---	---	2.5	32.79	8.76	---	24.03
MW-3R	10/10/2002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	32.79	9.65	---	23.14
MW-3R	01/21/2003	65	<0.50	<0.50	<0.50	<0.50	---	13	---	---	---	---	---	---	---	1.6	32.79	5.21	---	27.58
MW-3R	05/02/2003	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	32.79	6.08	---	26.71
MW-3R	07/10/2003	<50	<0.50	<0.50	<0.50	<1.0	---	11	---	---	---	---	---	---	---	---	32.79	8.20	---	24.59
MW-3R	10/28/2003	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	32.79	8.57	---	24.22
MW-3R	01/13/2004	<50	<0.50	<0.50	<0.50	<1.0	---	3.9	---	---	---	---	---	---	---	---	32.79	5.79	---	27.00
MW-3R	04/01/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	32.79	7.22	---	25.57
MW-3R	07/21/2004	<50	<0.50	<0.50	<0.50	<1.0	---	2.7	<5.0	<2.0	<2.0	<2.0	---	---	---	---	32.79	8.55	---	24.24
MW-3R	10/20/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	32.79	8.30	---	24.49
MW-3R	01/19/2005	<50	<0.50	<0.50	<0.50	<1.0	---	2.0	---	---	---	---	---	---	---	---	32.79	6.10	---	26.69
MW-3R	04/20/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	32.79	6.41	---	26.38
MW-3R	07/20/2005	<50	<0.50	<0.50	<0.50	<1.0	---	2.9	<5.0	<2.0	<2.0	<2.0	---	---	---	---	32.79	8.76	---	24.03
MW-3R	10/19/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	32.79	9.87	---	22.92
MW-3R	01/24/2006	<50.0	<0.500	<0.500	<0.500	<0.500	---	<0.500	---	---	---	---	---	---	---	---	32.79	5.96	---	26.83
MW-3R	04/19/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	32.79	6.07	---	26.72
MW-3R	07/19/2006	70.2	<0.500	<0.500	<0.500	<0.500	---	5.43	<10.0	<0.500	<0.500	<0.500	---	---	---	---	32.79	8.07	---	24.72
MW-3R	10/18/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	32.79	8.72	---	24.07

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
3420 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Well ID	Date	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)	EDB (µg/L)	1,2-DCA (µg/L)	Ethanol (µg/L)	DO Reading (mg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
MW-3R	01/17/2007	<50	<0.50	<0.50	<0.50	<1.0	---	1.1	---	---	---	---	---	---	---	---	32.79	7.88	---	24.91
MW-3R	04/18/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	32.79	8.37	---	24.42
MW-3R	07/18/2007	<50 h	<0.50	<1.0	<1.0	<1.0	---	2.2	<10	<2.0	<2.0	<2.0	---	---	---	---	32.79	9.80	---	22.99
MW-3R	01/16/2008	<50 h	<0.50	<1.0	<1.0	<1.0	---	1.6	<10	<2.0	<2.0	<2.0	---	---	---	---	32.79	6.65	---	26.14
MW-3R	04/16/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	32.79	8.31	---	24.48
MW-3R	07/16/2008	<50	<0.50	<1.0	<1.0	<1.0	---	4.4	<10	<2.0	<2.0	<2.0	---	---	---	---	32.79	9.33	---	23.46
MW-3R	10/15/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	32.79	10.00	---	22.79
MW-3R	01/21/2009	<50	<0.50	<1.0	<1.0	<1.0	---	3.0	---	---	---	---	---	---	---	---	32.79	8.20	---	24.59
MW-3R	04/15/2009	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	32.79	7.05	---	25.74
MW-3R	10/21/2009	<50	<0.50	<1.0	<1.0	<1.0	---	1.8	<10	<2.0	<2.0	<2.0	---	---	---	---	32.79	7.61	---	25.18
MW-3R	04/21/2010	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	---	---	---	---	32.79	5.70	---	27.09
MW-3R	10/20/2010	65	<0.50	<1.0	<1.0	<1.0	---	6.7	---	---	---	---	---	---	---	---	32.79	9.75	---	23.04
MW-3R	04/20/2011	<50	<0.50	<0.50	<0.50	<1.0	---	<1.0	---	---	---	---	---	---	---	---	32.79	5.90	---	26.89
MW-3R	10/18/2011	<50	<0.50	<0.50	<0.50	<1.0	---	2.1	<10	<1.0	<1.0	<1.0	<0.50	<0.50	---	---	32.79	8.75	---	24.04
MW-3R	04/18/2012	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	<0.50	<0.50	---	---	32.79	5.23	---	27.56
MW-3R	**10/17/2012**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**4.8**	**---**	**---**	**---**	**---**	**<0.50**	**<0.50**	**---**	**---**	**32.79**	**10.00**	**---**	**22.79**
MW-4	08/06/1991	1,300	28	18	68	150	---	---	---	---	---	---	---	---	---	---	20.31	10.57	---	9.74
MW-4	10/23/1991	1,900	97	6.1	38	77	---	---	---	---	---	---	---	---	---	---	20.31	10.46	---	9.85
MW-4	01/28/1992	200	7.6	<0.5	3.0	3.3	---	---	---	---	---	---	---	---	---	---	20.31	9.54	---	10.77
MW-4	05/04/1992	690	98	3.0	13	<1	---	---	---	---	---	---	---	---	---	---	20.31	8.33	---	11.98
MW-4	07/13/1992	1,500	140	2.90	17	12	---	---	---	---	---	---	---	---	---	---	20.31	9.87	---	10.44
MW-4	10/12/1992	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20.31	12.43	0.78	8.50
MW-4	01/12/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20.31	7.12	1.00	13.99
MW-4	04/06/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20.31	7.23	0.95	13.84
MW-4	07/12/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20.31	10.08	0.03	10.25
MW-4	10/13/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20.31	11.35	0.12	9.06
MW-4	01/20/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20.31	9.06	0.02	11.27
MW-4	04/13/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20.31	8.58	0.01	11.74
MW-4	07/19/1994	12,000	230	43	230	660	---	---	---	---	---	---	---	---	---	---	20.31	9.71	---	10.60
MW-4	10/27/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20.31	10.60	0.03	9.73
MW-4	01/03/1995	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20.31	5.49	0.01	14.83
MW-4	04/13/1995	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20.31	6.53	0.03	13.80
MW-4	06/30/1995	7,400	140	<0.5	160	350	---	---	---	---	---	---	---	---	---	---	20.31	9.57	---	10.74
MW-4	10/11/1995	3,000	29	10	100	82	9,700	---	---	---	---	---	---	---	---	---	20.31	10.30	---	10.01
MW-4	01/17/1996	9,700	190	<0.5	190	410	4,500	---	---	---	---	---	---	---	---	---	20.31	6.68	---	13.63
MW-4	04/10/1996	2,800	16	<0.5	22	50	6,100	---	---	---	---	---	---	---	---	---	20.31	7.90	---	12.41

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
3420 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Well ID	Date	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)	EDB (µg/L)	1,2-DCA (µg/L)	Ethanol (µg/L)	DO Reading (mg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
MW-4	07/30/1996	1,600	68	<12	58	39	8,500	---	---	---	---	---	---	---	---	2.8	20.31	8.73	---	11.58
MW-4	10/17/1996	4,800	120	<25	150	96	11,000	---	---	---	---	---	---	---	---	2.8	20.31	7.63	---	12.68
MW-4	01/22/1997	12,000	83	<20	170	240	4,300	---	---	---	---	---	---	---	---	2.6	20.31	5.26	---	15.05
MW-4	04/01/1997	4,800	65	<5.0	81	93	3,200	---	---	---	---	---	---	---	---	2.4	20.31	8.02	---	12.29
MW-4	07/14/1997	2,400	35	<10	30	20	6,000	---	---	---	---	---	---	---	---	2.0	20.31	10.05	---	10.26
MW-4	10/08/1997	2,900	66	<20	<20	<20	7,300	---	---	---	---	---	---	---	---	5.9	20.31	10.22	---	10.09
MW-4	01/19/1998	Inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	20.31	---	---	---
MW-4	04/28/1998	Inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	20.31	---	---	---
MW-4	09/30/1998	1,300	57	8.7	58	37	3,600	---	---	---	---	---	---	---	---	2.9	20.92	9.31	---	11.61
MW-4	12/09/1998	3,500	130	<5.0	100	36	3,200	4,500	---	---	---	---	---	---	---	2.2	20.92	9.30	---	11.62
MW-4	01/18/1999	7,040	321	<25.0	273	<25.0	4,830	4,660	---	---	---	---	---	---	---	2.3	20.92	8.60	---	12.32
MW-4	04/12/1999	1,540	47.6	<10.0	24.4	<10.0	2,760	---	---	---	---	---	---	---	---	1.9	20.92	6.25	---	14.67
MW-4	07/27/1999	3,570	214	<25.0	58.3	31.0	5,440	7,280 j	---	---	---	---	---	---	---	1.9	20.92	9.33	---	11.59
MW-4	10/14/1999	3,920	157	<25.0	103	<25.0	6,550	8,990	---	---	---	---	---	---	---	1.7	20.92	9.93	---	10.99
MW-4	01/06/2000	5,030	247	7.2	169	37.7	6,860	7,400	---	---	---	---	---	---	---	1.7	20.92	9.31	---	11.61
MW-4	04/05/2000	1,870	120	<5.00	15.1	<5.00	4,400	2,890 j	---	---	---	---	---	---	---	1.8	20.92	6.00	---	14.92
MW-4	07/20/2000	6,740	114	36.4	71.9	28.2	1,900	---	---	---	---	---	---	---	---	2.1	20.92	6.10	---	14.82
MW-4	10/24/2000	2,120	108	8.28	12.5	<5.00	6,070	5,950	---	---	---	---	---	---	---	1.1	20.92	8.90	---	12.02
MW-4	01/19/2001	3,330	67.2	<5.00	7.18	<5.00	3,620	4,330	---	---	---	---	---	---	---	1.8	31.88	7.25	---	24.63
MW-4	04/27/2001	1,600	79	<10	<10	<10	---	3,900	---	---	---	---	---	---	---	1.4	31.88	7.41	---	24.47
MW-4	07/26/2001	2,700	140	<20	24	<20	---	4,700	---	---	---	---	---	---	---	1.8	31.88	8.20	---	23.68
MW-4	10/02/2001	4,600	170	<10	50	<10	---	6,300	2,600	<10	<10	<10	---	---	<500	2.1	31.88	8.55	---	23.33
MW-4	01/15/2002	1,000	34	<5.0	<5.0	9.8	---	2,800	---	---	---	---	---	---	---	2.7	31.88	6.53	---	25.35
MW-4	04/17/2002	1,400	92	<10	<10	11	---	4,100	---	---	---	---	---	---	---	2.4	31.88	7.00	---	24.88
MW-4	07/11/2002	1,800	82	<10	<10	11	---	4,500	---	---	---	---	---	---	---	2.1	31.88	8.49	---	23.39
MW-4	10/10/2002	7,400	230	<10	45	<10	---	6,600	---	---	---	---	---	---	---	2.5	31.88	9.05	---	22.83
MW-4	01/21/2003	1,400	27	<2.5	<2.5	<2.5	---	1,200	---	---	---	---	---	---	---	0.4	31.88	6.50	---	25.38
MW-4	05/02/2003	<2,500	80	<25	<25	<50	---	2,500	---	---	---	---	---	---	---	1.3	31.88	6.97	---	24.91
MW-4	07/10/2003	<2,500	93	<25	<25	<50	---	2,800	---	---	---	---	---	---	---	---	31.88	7.74	---	24.14
MW-4	10/28/2003	4,000	120	<10	<10	<20	---	2,100	---	---	---	---	---	---	---	---	31.88	8.43	---	23.45
MW-4	01/13/2004	2,000	45	<5.0	<5.0	<10	---	620	---	---	---	---	---	---	---	---	31.88	6.75	---	25.13
MW-4	04/01/2004	1,400	17	<2.5	<2.5	<5.0	---	540	---	---	---	---	---	---	---	---	31.88	6.40	---	25.48
MW-4	07/21/2004	3,100	120	<2.5	11	<5.0	---	900	2,200	<10	<10	<10	---	---	---	---	31.88	8.23	---	23.65
MW-4	10/20/2004	3,600	97	<2.5	9.7	<5.0	---	470	---	---	---	---	---	---	---	---	31.88	8.30	---	23.58
MW-4	01/19/2005	1,600	15	<2.5	<2.5	<5.0	---	220	---	---	---	---	---	---	---	---	31.88	5.83	---	26.05
MW-4	04/20/2005	1,300	8.8	<2.5	<2.5	<5.0	---	210	---	---	---	---	---	---	---	---	31.88	6.12	---	25.76
MW-4	07/20/2005	1,600	34	<2.5	3.8	<5.0	---	280	1,100	<10	<10	<10	---	---	---	---	31.88	8.35	---	23.53

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
3420 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Well ID	Date	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)	EDB (µg/L)	1,2-DCA (µg/L)	Ethanol (µg/L)	DO Reading (mg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
MW-4	10/19/2005	2,400	74	1.1	7.2	<2.0	---	360	---	---	---	---	---	---	---	---	31.88	9.25	---	22.63
MW-4	01/24/2006	3,290	17.2	<0.500	3.02	<0.500	---	159	---	---	---	---	---	---	---	---	31.88	6.32	---	25.56
MW-4	04/19/2006	430	6.40	<0.500	0.610	<0.500	---	134	---	---	---	---	---	---	---	---	31.88	5.03	---	26.85
MW-4	07/19/2006	5,020	48.7	0.760	6.67	<0.500	---	234	582	<0.500	<0.500	<0.500	---	---	---	---	31.88	7.90	---	23.98
MW-4	10/18/2006	9,220	48.4	1.07	16.7	4.45	---	233	---	---	---	---	---	---	---	---	31.88	8.68	---	23.20
MW-4	01/17/2007	1,700	13	<2.5	<2.5	<5.0	---	120	---	---	---	---	---	---	---	---	31.88	7.83	---	24.05
MW-4	04/18/2007	1,200 h	9.2	0.50 i	1.3	1.13 i	---	120	---	---	---	---	---	---	---	---	31.88	7.99	---	23.89
MW-4	07/18/2007	2,100 h	21	0.71 i	2.6	1.22 i	---	150	730	<2.0	<2.0	<2.0	---	---	---	---	31.88	9.15	---	22.73
MW-4	10/18/2007	940 h	32	1.2	11	2.57 i	---	160	---	---	---	---	---	---	---	---	31.88	8.64	---	23.24
MW-4	01/16/2008	2,300 h	8.5	<1.0	<1.0	<1.0	---	110	---	---	---	---	---	---	---	---	31.88	6.98	---	24.90
MW-4	04/16/2008	1,700	4.2	<1.0	1.0	<1.0	---	110	---	---	---	---	---	---	---	---	31.88	7.98	---	23.90
MW-4	07/16/2008	3,700	34	1.5	1.3	2.5	---	150	740	<2.0	<2.0	<2.0	---	---	---	---	31.88	9.12	---	22.76
MW-4	10/15/2008	3,700	18	<2.0	7.9	2.2	---	120	---	---	---	---	---	---	---	---	31.88	9.55	---	22.33
MW-4	01/21/2009	3,000	6.4	<1.0	1.9	1.1	---	86	---	---	---	---	---	---	---	---	31.88	7.90	---	23.98
MW-4	04/15/2009	2,000	2.2	<1.0	<1.0	<1.0	---	68	---	---	---	---	---	---	---	---	31.88	7.20	---	24.68
MW-4	10/21/2009	2,600	4.2	<1.0	1.3	<1.0	---	86	430	<2.0	<2.0	<2.0	---	---	---	---	31.88	7.45	---	24.43
MW-4	04/21/2010	1,000	2.3	<1.0	1.3	<1.0	---	46	---	---	---	---	---	---	---	---	31.88	5.60	---	26.28
MW-4	10/20/2010	3,100	2.3	<1.0	1.3	<1.0	---	83	---	---	---	---	---	---	---	---	31.88	9.16	---	22.72
MW-4	04/20/2011	820	<0.50	<0.50	<0.50	<1.0	---	31	---	---	---	---	---	---	---	---	31.88	6.70	---	25.18
MW-4	10/18/2011	2,300	27	30	12	60	---	25	280	<1.0	<1.0	<1.0	<0.50	<0.50	---	---	31.88	8.51	---	23.37
MW-4	04/18/2012	1,500	0.67	<0.50	0.63	<1.0	---	14	---	---	---	---	<0.50	<0.50	---	---	31.88	5.41	---	26.47
MW-4	**10/17/2012**	**2,200**	**0.51**	**0.59**	**0.91**	**<1.0**	**---**	**43**	**---**	**---**	**---**	**---**	**<0.50**	**<0.50**	**---**	**---**	**31.88**	**9.40**	**---**	**22.48**
MW-5	08/06/1991	9,100	210	27	240	660	---	---	---	---	---	---	---	---	---	---	20.91	10.23	---	10.68
MW-5	10/23/1991	12,000	92	18	230	450	---	---	---	---	---	---	---	---	---	---	20.91	10.89	---	10.02
MW-5	01/28/1992	3,300	130	10	180	220	---	---	---	---	---	---	---	---	---	---	20.91	8.45	---	12.46
MW-5	05/04/1992	3,900	95	<12.5	260	120	---	---	---	---	---	---	---	---	---	---	20.91	8.05	---	12.86
MW-5	07/13/1992	4,100	180	12	250	73	---	---	---	---	---	---	---	---	---	---	20.91	10.00	---	10.91
MW-5	10/12/1992	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20.91	11.83	0.01	9.09
MW-5	01/12/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20.91	6.10	<0.01	14.82
MW-5	04/06/1993	6,200	71	<0.5	53	150	---	---	---	---	---	---	---	---	---	---	20.91	6.18	---	14.73
MW-5	07/12/1993	3,400	130	<0.5	170	130	---	---	---	---	---	---	---	---	---	---	20.91	9.59	---	11.32
MW-5	10/13/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20.91	10.80	0.03	10.13
MW-5	01/20/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20.91	7.42	0.01	13.50
MW-5	04/13/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20.91	7.05	0.01	13.87
MW-5	07/19/1994	11,000	180	13	180	260	---	---	---	---	---	---	---	---	---	---	20.91	8.57	---	12.34
MW-5	10/27/1994	6,900	82	<5	210	1,110	---	---	---	---	---	---	---	---	---	---	20.91	10.14	---	10.77

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
3420 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Well ID	Date	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)	EDB (µg/L)	1,2-DCA (µg/L)	Ethanol (µg/L)	DO Reading (mg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
MW-5	01/03/1995	12,000	110	46	790	510	---	---	---	---	---	---	---	---	---	---	20.91	5.84	---	15.07
MW-5	04/13/1995	10,000	61	<20	330	140	---	---	---	---	---	---	---	---	---	---	20.91	5.28	---	15.63
MW-5	06/30/1995	12,000	180	8.60	440	340	---	---	---	---	---	---	---	---	---	---	20.91	7.43	---	13.48
MW-5	10/11/1995	11,000	<50	<50	440	340	5,100	---	---	---	---	---	---	---	---	---	20.91	8.90	---	12.01
MW-5	01/17/1996	82,000	330	120	960	1,400	820	---	---	---	---	---	---	---	---	---	20.91	6.40	---	14.51
MW-5	04/10/1996	23,000	<50	<50	360	190	770	---	---	---	---	---	---	---	---	---	20.91	5.70	---	15.21
MW-5	07/30/1996	38,000	3,000	<100	1,100	2,600	560	---	---	---	---	---	---	---	---	---	20.91	7.71	---	13.20
MW-5	10/17/1996	13,000	36	<10	210	160	720	---	---	---	---	---	---	---	---	1.4	20.91	9.04	---	11.87
MW-5	01/22/1997	20,000	63	<50	380	390	650	---	---	---	---	---	---	---	---	1.6	20.91	4.85	---	16.06
MW-5	04/01/1997	16,000	110	<50	390	320	2,200	---	---	---	---	---	---	---	---	1.4	20.91	6.54	---	14.37
MW-5	07/14/1997	15,000	70	<20	220	170	450	---	---	---	---	---	---	---	---	1.8	20.91	8.54	---	12.37
MW-5	10/08/1997	9,100	27	11	170	57	530	---	---	---	---	---	---	---	---	4.7	20.91	9.09	---	11.82
MW-5	01/19/1998	9,500	92	<50	200	77	1,100	---	---	---	---	---	---	---	---	2.5	20.91	2.11	---	18.80
MW-5	04/28/1998	15,000	100	53	150	80	460	---	---	---	---	---	---	---	---	2.2	20.91	4.90	---	16.01
MW-5	09/30/1998	11,000	120	<100	240	200	<500	---	---	---	---	---	---	---	---	2.0	21.71	8.05	---	13.66
MW-5	12/09/1998	45,000	<200	<200	240	240	<1,000	---	---	---	---	---	---	---	---	4.7	21.71	8.62	---	13.09
MW-5	01/18/1999	9,120	13.8	<2.50	315	74.5	131	---	---	---	---	---	---	---	---	2.1	21.71	6.75	---	14.96
MW-5	04/12/1999	16,200	80.9	<50.0	163	<50.0	8,310	---	---	---	---	---	---	---	---	2.3	21.71	4.80	---	16.91
MW-5	07/27/1999	6,820	<5.00	<5.00	99.7	<5.00	216	---	---	---	---	---	---	---	---	2.1	21.71	6.25	---	15.46
MW-5	10/14/1999	10,800	47.8	<12.5	313	23.1	232	---	---	---	---	---	---	---	---	2.8	21.71	6.93	---	14.78
MW-5	01/06/2000	9,920	39.8	15.4	220	69.6	478	---	---	---	---	---	---	---	---	2.9	21.71	7.52	---	14.19
MW-5	04/05/2000	8,370	68.3	20.1	40.2	<10.0	1,570	---	---	---	---	---	---	---	---	0.4	21.71	5.31	---	16.40
MW-5	07/20/2000	15,500	60.5	181	104	108	460	---	---	---	---	---	---	---	---	1.7	21.71	5.40	---	16.31
MW-5	10/24/2000	5,170	24.3	12.6	16.5	9.79	130	---	---	---	---	---	---	---	---	1.3	21.71	5.59	---	16.12
MW-5	01/19/2001	4,000	<5.00	17.4	88.1	22.6	371	---	---	---	---	---	---	---	---	1.0	32.67	5.05	---	27.62
MW-5	04/27/2001	3,100	<1.0	<1.0	2.6	1.3	---	210	---	---	---	---	---	---	---	1.3	32.67	5.38	---	27.29
MW-5	07/26/2001	11,000	1.4	<1.0	13	2.2	---	46	---	---	---	---	---	---	---	1.6	32.67	7.17	---	25.50
MW-5	10/02/2001	5,300	6.2	3.4	60	11	---	<100	---	---	---	---	---	---	---	2.2	32.67	7.86	---	24.81
MW-5	01/15/2002	3,800	1.0	<0.50	1.7	0.60	---	120	---	---	---	---	---	---	---	1.7	32.67	4.35	---	28.32
MW-5	04/17/2002	4,600	0.61	<0.50	1.5	<0.50	---	140	---	---	---	---	---	---	---	0.5	32.67	6.04	---	26.63
MW-5	07/11/2002	7,200	1.8	0.58	5.9	0.78	---	130	---	---	---	---	---	---	---	4.2	32.67	6.72	---	25.95
MW-5	10/10/2002	4,300	3.2	<1.0	3.5	<1.0	---	86	---	---	---	---	---	---	---	2.5	32.67	6.99	---	25.68
MW-5	01/21/2003	4,300	2.4	<0.50	7.8	0.67	---	170	---	---	---	---	---	---	---	0.5	32.67	5.09	---	27.58
MW-5	05/02/2003	3,600 d	<10	<10	<10	<20	---	170	---	---	---	---	---	---	---	0.05	32.67	5.14	---	27.53
MW-5	07/10/2003	2,700	2.1	<1.0	4.8	<2.0	---	48	---	---	---	---	---	---	---	---	32.67	5.68	---	26.99
MW-5	10/28/2003	7,500	<5.0	<5.0	11	<10	---	63	---	---	---	---	---	---	---	---	32.67	5.79	---	26.88
MW-5	01/13/2004	3,800	<2.5	<2.5	6.9	<5.0	---	140	---	---	---	---	---	---	---	---	32.67	4.69	---	27.98

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
3420 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Well ID	Date	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)	EDB (µg/L)	1,2-DCA (µg/L)	Ethanol (µg/L)	DO Reading (mg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
MW-5	04/01/2004	3,800	<5.0	<5.0	<5.0	<10	---	180	---	---	---	---	---	---	---	---	32.67	5.60	---	27.07
MW-5	07/21/2004	2,500	<5.0	<5.0	<5.0	<10	---	85	59	<20	<20	<20	---	---	---	---	32.67	6.50	---	26.17
MW-5	10/20/2004	4,900	<5.0	<5.0	<5.0	<10	---	120	---	---	---	---	---	---	---	---	32.67	6.87	---	25.80
MW-5	01/19/2005	3,200	<5.0	<5.0	<5.0	<10	---	110	---	---	---	---	---	---	---	---	32.67	4.73	---	27.94
MW-5	04/20/2005	3,300	<5.0	<5.0	<5.0	<10	---	53	---	---	---	---	---	---	---	---	32.67	5.29	---	27.38
MW-5	07/20/2005	2,100	<1.0	<1.0	1.0	<2.0	---	110	51	<4.0	<4.0	<4.0	---	---	---	---	32.67	7.00	---	25.67
MW-5	10/19/2005	2,900	1.7	<1.0	2.8	<2.0	---	140	---	---	---	---	---	---	---	---	32.67	8.91	---	23.76
MW-5	01/24/2006	4,890	0.670	2.41	4.89	<0.500	---	37.9	---	---	---	---	---	---	---	---	32.67	4.90	---	27.77
MW-5	04/19/2006	5,010	0.710	1.26	1.09	<0.500	---	67.1	---	---	---	---	---	---	---	---	32.67	3.46	---	29.21
MW-5	07/19/2006	9,180	<0.500	<0.500	0.790	<0.500	---	2.92 g	<10.0	<0.500	<0.500	<0.500	---	---	---	---	32.67	5.32	---	27.35
MW-5	10/18/2006	6,110	1.07	1.02	2.48	<0.500	---	36.5	---	---	---	---	---	---	---	---	32.67	6.48	---	26.19
MW-5	01/17/2007	1,300	<0.50	<0.50	0.74	<1.0	---	27	---	---	---	---	---	---	---	---	32.67	6.14	---	26.53
MW-5	04/18/2007	4,500 h	0.31 i	0.33 i	0.75 i	0.99 i	---	60	---	---	---	---	---	---	---	---	32.67	6.75	---	25.92
MW-5	07/18/2007	4,600 h	0.80 i	<5.0	<5.0	0.91 i	---	69	42 i	<10	<10	<10	---	---	---	---	32.67	8.51	---	24.16
MW-5	10/18/2007	2,800 h	0.66	<1.0	0.32 i	<1.0	---	120	---	---	---	---	---	---	---	---	32.67	8.28	---	24.39
MW-5	01/16/2008	2,900 h	0.89	<1.0	2.6	<1.0	---	32	---	---	---	---	---	---	---	---	32.67	5.65	---	27.02
MW-5	04/16/2008	1,600	<0.50	<1.0	<1.0	<1.0	---	39	---	---	---	---	---	---	---	---	32.67	6.62	---	26.05
MW-5	07/16/2008	11,000	<5.0	<10	<10	<10	---	<10	<100	<20	<20	<20	---	---	---	---	32.67	6.99	---	25.68
MW-5	10/15/2008	11,000	<2.5	<5.0	<5.0	<5.0	---	42	---	---	---	---	---	---	---	---	32.67	8.20	---	24.47
MW-5	01/21/2009	3,300	<0.50	<1.0	<1.0	<1.0	---	29	---	---	---	---	---	---	---	---	32.67	7.11	---	25.56
MW-5	04/15/2009	3,300	<0.50	<1.0	<1.0	<1.0	---	11	---	---	---	---	---	---	---	---	32.67	5.75	---	26.92
MW-5	10/21/2009	1,700	<0.50	<1.0	<1.0	<1.0	---	32	28	<2.0	<2.0	<2.0	---	---	---	---	32.67	6.58	---	26.09
MW-5	04/21/2010	2,100	<0.50	<1.0	1.1	<1.0	---	8.3	---	---	---	---	---	---	---	---	32.67	4.94	---	27.73
MW-5	10/20/2010	6,800	<1.0	<2.0	<2.0	<2.0	---	24	---	---	---	---	---	---	---	---	32.67	7.96	---	24.71
MW-5	04/20/2011	2,000	<0.50	<0.50	<0.50	<1.0	---	9.6	---	---	---	---	---	---	---	---	32.67	4.85	---	27.82
MW-5	10/18/2011	5,200	4.1	6.2	3.2	17	---	8.4	11	<1.0	<1.0	<1.0	<0.50	<0.50	---	---	32.67	6.70	---	25.97
MW-5	04/18/2012	4,100	<1.3	<1.3	<1.3	<2.5	---	7.4	---	---	---	---	<1.3	<1.3	---	---	32.67	3.81	---	28.86
MW-5	**10/17/2012**	**1,100**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**15**	**---**	**---**	**---**	**---**	**<0.50**	**<0.50**	**---**	**---**	**32.67**	**8.61**	**---**	**24.06**
MW-6	08/06/1991	28,000	1,400	200	1,300	4,200	---	---	---	---	---	---	---	---	---	---	22.32	10.61	---	11.71
MW-6	10/23/1991	53,000	1,400	230	1,800	6,700	---	---	---	---	---	---	---	---	---	---	22.32	11.68	---	10.64
MW-6	01/28/1992	87,000	1,200	470	2,000	6,600	---	---	---	---	---	---	---	---	---	---	22.32	8.90	---	13.42
MW-6	05/05/1992	230,000	<500	<500	3,200	11,000	---	---	---	---	---	---	---	---	---	---	22.32	8.01	---	14.31
MW-6	07/13/1992	2,700,000	<2,500	3,500	14,000	36,000	---	---	---	---	---	---	---	---	---	---	22.32	10.77	---	11.55
MW-6	10/12/1992	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	22.32	8.68	0.48	14.02
MW-6	01/12/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	22.32	6.40	<0.01	15.93
MW-6	04/06/1993	320,000	2,500	14,000	980	14,000	---	---	---	---	---	---	---	---	---	---	22.32	5.93	---	16.39

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
3420 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Well ID	Date	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)	EDB (µg/L)	1,2-DCA (µg/L)	Ethanol (µg/L)	DO Reading (mg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
MW-6	07/12/1993	31,000	1,100	4,500	150	4,500	---	---	---	---	---	---	---	---	---	---	22.32	10.25	---	12.07
MW-6	10/13/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	22.32	12.28	0.20	10.20
MW-6	01/20/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	22.32	9.14	0.02	13.20
MW-6	04/13/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	22.32	7.67	0.01	14.66
MW-6	07/19/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	22.32	10.07	0.07	12.31
MW-6	10/27/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	22.32	11.84	0.11	10.57
MW-6	01/03/1995	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	22.32	7.80	0.02	14.54
MW-6	04/13/1995	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	22.32	5.77	0.02	16.57
MW-6	06/30/1995	1,100,000	6,600	6,100	12,000	29,000	---	---	---	---	---	---	---	---	---	---	22.32	7.78	---	14.54
MW-6	10/11/1995	30,000	130	<50	1,400	4,200	710	---	---	---	---	---	---	---	---	---	22.32	10.06	---	12.26
MW-6	01/17/1996	450,000	510	1,400	2,700	11,000	630	---	---	---	---	---	---	---	---	---	22.32	6.91	---	15.41
MW-6	04/10/1996	22,000	47	<10	350	860	<50	---	---	---	---	---	---	---	---	---	22.32	5.92	---	16.40
MW-6	07/30/1996	38,000	3,000	<100	1,100	2,600	560	---	---	---	---	---	---	---	---	---	22.32	8.97	---	13.35
MW-6	10/17/1996	34,000	470	<100	1,300	3,900	<500	---	---	---	---	---	---	---	---	1.0	22.32	9.87	---	12.45
MW-6	01/22/1997	26,000	<100	<100	600	1,700	<500	---	---	---	---	---	---	---	---	1.3	22.32	4.43	---	17.89
MW-6	04/01/1997	30,000	96	33	840	2,600	190	---	---	---	---	---	---	---	---	1.4	22.32	6.84	---	15.48
MW-6	07/14/1997	29,000	200	<100	690	2,000	<500	---	---	---	---	---	---	---	---	2.3	22.32	10.30	---	12.02
MW-6	10/08/1997	55,000	500	110	640	1,500	900	---	---	---	---	---	---	---	---	0.0	22.32	10.46	---	11.86
MW-6	12/05/1997	Well destroyed		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6R	04/06/1999	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	22.19	12.13	---	10.06
MW-6R	04/12/1999	26,100	1,750	68.5	2,160	4,450	765	---	---	---	---	---	---	---	---	2.4	22.19	6.10	---	16.09
MW-6R	07/27/1999	25,600	1,190	30.5	1,810	3,030	163	---	---	---	---	---	---	---	---	2.5	22.19	8.60	---	13.59
MW-6R	10/14/1999	21,400	999	<50.0	1,400	1,680	<500	---	---	---	---	---	---	---	---	2.0	22.19	9.35	---	12.84
MW-6R	01/06/2000	17,800	1,440	<50.0	1,310	2,340	301	---	---	---	---	---	---	---	---	2.1	22.19	9.18	---	13.01
MW-6R	04/05/2000	24,400	1,470	63.1	1,750	3,590	496	---	---	---	---	---	---	---	---	0.4	22.19	6.26	---	15.93
MW-6R	07/20/2000	17,200	1,070	42.9	1,260	2,490	725	---	---	---	---	---	---	---	---	2.6	22.19	6.79	---	15.40
MW-6R	10/24/2000	17,200	1,890	107	869	1,620	1,320	---	---	---	---	---	---	---	---	1.1	22.19	7.40	---	14.79
MW-6R	01/19/2001	15,000	1,120	40.2	1,240	2,230	1,670	---	---	---	---	---	---	---	---	1.4	33.15	6.16	---	26.99
MW-6R	04/27/2001	25,000	1,300	24	1,300	2,400	---	400	---	---	---	---	---	---	---	1.0	33.15	6.93	---	26.22
MW-6R	07/26/2001	31,000	1,500	31	1,800	3,000	---	370	---	---	---	---	---	---	---	1.4	33.15	9.12	---	24.03
MW-6R	10/02/2001	28,000	1,100	28	1,800	2,800	---	160	---	---	---	---	---	---	---	2.1	33.15	8.88	---	24.27
MW-6R	01/15/2002	17,000	1,400	19	900	1,500	---	650	---	---	---	---	---	---	---	2.1	33.15	5.46	---	27.69
MW-6R	04/17/2002	33,000	1,600	33	1,700	3,100	---	220	---	---	---	---	---	---	---	2.2	33.15	7.68	---	25.47
MW-6R	07/11/2002	25,000	1,200	21	1,300	1,900	---	240	---	---	---	---	---	---	---	1.6	33.15	8.75	---	24.40
MW-6R	10/10/2002	83,000 c	1,400	34	2,000	4,400	---	290	---	---	---	---	---	---	---	1.0	33.15	9.27	---	23.88
MW-6R	01/21/2003	20,000	1,200	18	1,100	1,700	---	340	---	---	---	---	---	---	---	1.2	33.15	6.95	---	26.20

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
3420 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Well ID	*Date*	*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)*	*EDB (µg/L)*	*1,2-DCA (µg/L)*	*Ethanol (µg/L)*	*DO Reading (mg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*SPH Thickness (ft)*	*GW Elevation (ft MSL)*
MW-6R	05/02/2003	28,000	1,600	32	1,600	2,400	---	300	---	---	---	---	---	---	---	1.6	33.15	7.50	---	25.65
MW-6R	07/10/2003	19,000	1,600	<25	1,400	2,000	---	730	---	---	---	---	---	---	---	---	33.15	8.60	---	24.55
MW-6R	10/28/2003	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	33.15	8.91	0.26	24.45
MW-6R	11/24/2003	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	33.15	8.47	0.15	24.80
MW-6R	01/13/2004	87,000	1,300	<50	3,300	6,700	---	160	---	---	---	---	---	---	---	---	33.15	6.52	---	26.63
MW-6R	04/01/2004	39,000	1,300	<50	2,400	3,500	---	160	---	---	---	---	---	---	---	---	33.15	6.90	---	26.25
MW-6R	07/21/2004	51,000	970	<50	3,200	6,700	---	120	<500	<200	<200	<200	---	---	---	---	33.15	8.40	---	24.75
MW-6R	10/20/2004	140,000	1,700	<50	4,300	7,400	---	210	---	---	---	---	---	---	---	---	33.15	8.61	<0.01	24.55
MW-6R	01/19/2005	44,000	1,300	<50	2,700	3,300	---	140	---	---	---	---	---	---	---	---	33.15	6.11	---	27.04
MW-6R	04/20/2005	26,000	340	<50	800	920	---	<50	---	---	---	---	---	---	---	---	33.15	7.01	---	26.14
MW-6R	07/20/2005	35,000	640	<50	2,000	2,200	---	83	<500	<200	<200	<200	---	---	---	---	33.15	8.64	---	24.51
MW-6R	10/19/2005	57,000	1,100	<50	2,600	2,400	---	100	---	---	---	---	---	---	---	---	33.15	10.10	---	23.05
MW-6R	01/24/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	33.15	5.95	0.04	27.23
MW-6R	04/19/2006	62,200	1,040	9.41	1,430	1,280	---	130	---	---	---	---	---	---	---	---	33.15	4.95	0.01	28.21
MW-6R	07/19/2006	33,500	1,370	6.34	878	393	---	362 g	<10.0	<0.500	<0.500	<0.500	---	---	---	---	33.15	7.74	---	25.41
MW-6R	10/18/2006	127,000	1,220	9.07	2,150	1,330	---	130	---	---	---	---	---	---	---	---	33.15	8.74	---	24.41
MW-6R	01/17/2007	20,000	880	<12	1,400	730	---	75	---	---	---	---	---	---	---	---	33.15	7.92	---	25.23
MW-6R	04/18/2007	30,000 h	790	5.7	600	257.5	---	180	---	---	---	---	---	---	---	---	33.15	8.19	---	24.96
MW-6R	07/18/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	33.15	9.70	0.10	23.53
MW-6R	10/18/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	33.15	9.39	0.16	23.89
MW-6R	01/16/2008	39,000 h	590	<5.0	580	160	---	150	---	---	---	---	---	---	---	---	33.15	7.15	---	26.00
MW-6R	04/16/2008	3,800	150	1.4	170	83.5	---	27	---	---	---	---	---	---	---	---	33.15	8.18	---	24.97
MW-6R	07/16/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	33.15	9.36	0.06	23.84
MW-6R	10/15/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	33.15	10.12	0.31	23.28
MW-6R	01/21/2009	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	33.15	9.28	0.05	23.91
MW-6R	04/15/2009	28,000	850	<10	790	290	---	120	---	---	---	---	---	---	---	---	33.15	7.30	---	25.85
MW-6R	10/21/2009	23,000	630	<10	450	80	---	120	<100	<20	<20	<20	---	---	---	---	33.15	8.10	---	25.05
MW-6R	04/21/2010	37,000	740	<10	950	230	---	82	---	---	---	---	---	---	---	---	33.15	6.53	---	26.62
MW-6R	10/20/2010	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	33.15	10.08	0.16	23.20
MW-6R	02/10/2011	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	33.15	7.30	---	25.85
MW-6R	04/20/2011	22,000	810	<12	670	170	---	92	---	---	---	---	---	---	---	---	33.15	6.62	---	26.53
MW-6R	07/08/2011	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	33.15	7.42	---	25.73
MW-6R	10/18/2011	11,000	550	<5.0	200	41	---	80	<100	<10	<10	<10	<5.0	<5.0	---	---	33.15	8.60	---	24.55
MW-6R	01/06/2012	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	33.15	9.19	---	23.96
MW-6R	04/18/2012	20,000	720	<5.0	730	130	---	<5.0	---	---	---	---	<5.0	<5.0	---	---	33.15	5.67	---	27.48
MW-6R	**07/06/2012**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**33.15**	**8.96**	**---**	**24.19**
MW-6R	**10/17/2012**	**14,000**	**540**	**<5.0**	**57**	**15**	**---**	**80**	**---**	**---**	**---**	**---**	**<5.0**	**<5.0**	**---**	**---**	**33.15**	**9.94**	**---**	**23.21**

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
3420 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Well ID	Date	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)	EDB (µg/L)	1,2-DCA (µg/L)	Ethanol (µg/L)	DO Reading (mg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
MW-7	08/06/1991	13,000	4,300	76	770	730	---	---	---	---	---	---	---	---	---	---	20.36	8.00	---	12.36
MW-7	10/23/1991	18,000	3,200	31	660	770	---	---	---	---	---	---	---	---	---	---	20.36	8.16	---	12.20
MW-7	01/28/1992	5,000	1,200	<10	220	54	---	---	---	---	---	---	---	---	---	---	20.36	7.11	---	13.25
MW-7	05/05/1992	9,500	3,100	72	620	880	---	---	---	---	---	---	---	---	---	---	20.36	6.47	---	13.89
MW-7	07/13/1992	20,000	4,200	130	1,600	1,100	---	---	---	---	---	---	---	---	---	---	20.36	7.73	---	12.63
MW-7	10/12/1992	16,000	2,500	170	560	170	---	---	---	---	---	---	---	---	---	---	20.36	9.97	---	10.39
MW-7	01/12/1993	15,000	2,300	<50	690	440	---	---	---	---	---	---	---	---	---	---	20.36	6.26	---	14.10
MW-7	04/06/1993	26,000	5,400	<0.5	1,200	3,000	---	---	---	---	---	---	---	---	---	---	20.36	5.92	---	14.44
MW-7	07/12/1993	10,000	3,000	100	510	530	---	---	---	---	---	---	---	---	---	---	20.36	7.27	---	13.09
MW-7	10/13/1993	59,000	13,000	4,400	4,400	20,000	---	---	---	---	---	---	---	---	---	---	20.36	9.40	---	10.96
MW-7	01/20/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20.36	7.03	0.05	13.37
MW-7	04/13/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20.36	6.56	0.16	13.93
MW-7	07/19/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20.36	6.91	0.20	13.61
MW-7	10/27/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20.36	8.28	0.04	12.11
MW-7	01/03/1995	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20.36	6.48	0.02	13.90
MW-7	04/13/1995	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20.36	6.54	0.02	13.84
MW-7	06/30/1995	900,000	11,000	8,500	14,000	52,000	---	---	---	---	---	---	---	---	---	---	20.36	7.08	---	---
MW-7	10/11/1995	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20.36	7.88	0.04	12.51
MW-7	01/17/1996	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20.36	7.26	0.04	13.13
MW-7	04/10/1996	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20.36	6.98	0.05	13.42
MW-7	07/30/1996	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20.36	7.34	0.03	13.04
MW-7	10/17/1996	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20.36	7.63	0.02	12.75
MW-7	01/22/1997	56,000	2,000	520	1,400	8,400	1,800	---	---	---	---	---	---	---	---	0.5	20.36	6.46	---	13.90
MW-7	04/01/1997	66,000	3,600	460	2,400	10,000	2,300	---	---	---	---	---	---	---	---	1.6	20.36	6.97	---	13.39
MW-7	07/14/1997	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20.36	8.90	0.03	11.48
MW-7	10/08/1997	68,000	3,200	470	2,400	9,700	3,300	---	---	---	---	---	---	---	---	2.1	20.36	9.21	0.01	11.16
MW-7	01/19/1998	44,000	1,800	220	1,700	7,800	1,600	---	---	---	---	---	---	---	---	1.6	20.36	4.65	---	15.71
MW-7	04/28/1998	82,000	1,500	<500	1,200	8,900	<2,500	---	---	---	---	---	---	---	---	1.3	20.36	6.53	---	13.83
MW-7	09/30/1998	41,000	2,300	290	2,200	7,000	1,400	---	---	---	---	---	---	---	---	1.4	20.35	5.59	---	14.76
MW-7	12/09/1998	31,000	530	130	1,100	4,300	<500	---	---	---	---	---	---	---	---	4.9	20.35	5.91	---	14.44
MW-7	01/18/1999	35,300	975	175	1,360	5,750	256	---	---	---	---	---	---	---	---	1.2	20.35	5.02	---	15.33
MW-7	04/12/1999	43,300	728	161	1,820	6,190	<500	---	---	---	---	---	---	---	---	1.3	20.35	4.57	---	15.78
MW-7	07/27/1999	36,600	863	68.3	1,540	4,370	593	---	---	---	---	---	---	---	---	1.2	20.35	5.36	---	14.99
MW-7	10/14/1999	65,600	1,140	157	2,230	7,060	1,090	---	---	---	---	---	---	---	---	1.8	20.35	5.87	---	14.48
MW-7	01/06/2000	57,100	1,060	142	1,540	5,980	634	---	---	---	---	---	---	---	---	1.8	20.35	6.12	---	14.23
MW-7	04/05/2000	36,500	843	<100	1,460	4,220	1,140	---	---	---	---	---	---	---	---	1.4	20.35	4.87	---	15.48

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
3420 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Well ID	Date	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)	EDB (µg/L)	1,2-DCA (µg/L)	Ethanol (µg/L)	DO Reading (mg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
MW-7	07/20/2000	28,400	263	251	457	1,300	690	---	---	---	---	---	---	---	---	1.7	20.35	5.01	---	15.34
MW-7	10/24/2000	33,500	464	<200	1,600	3,830	<1,000	---	---	---	---	---	---	---	---	1.5	20.35	4.17	---	16.18
MW-7	01/19/2001	1,860,000	<2,000	<2,000	<2,000	5,790	<10,000	---	---	---	---	---	---	---	---	1.2	31.31	5.18	---	26.13
MW-7	04/27/2001	31,000	150	20	1,400	3,000	---	190	---	---	---	---	---	---	---	1.4	31.31	4.99	---	26.32
MW-7	07/26/2001	30,000	340	20	1,500	2,600	---	380	---	---	---	---	---	---	---	1.1	31.31	6.20	---	25.11
MW-7	10/02/2001	38,000	480	9.0	970	2,600	---	300	---	---	---	---	---	---	---	1.5	31.31	6.45	---	24.86
MW-7	01/15/2002	33,000	160	6.6	810	1,300	---	130	---	---	---	---	---	---	---	2.0	31.31	4.31	---	27.00
MW-7	04/17/2002	28,000	160	6.1	1,000	1,700	---	140	---	---	---	---	---	---	---	1.2	31.31	4.12	---	27.19
MW-7	07/11/2002	26,000	200	<5.0	830	1,300	---	170	---	---	---	---	---	---	---	3.0	31.31	5.90	---	25.41
MW-7	10/10/2002	95,000 c	380	11	1,500	3,900	---	330	---	---	---	---	---	---	---	2.9	31.31	6.32	---	24.99
MW-7	01/21/2003	18,000	100	2.6	530	780	---	96	---	---	---	---	---	---	---	0.9	31.31	3.04	---	28.27
MW-7	05/02/2003	23,000	99	<10	490	620	---	<100	---	---	---	---	---	---	---	0.91	31.31	3.45	---	27.86
MW-7	07/10/2003	18,000	200	<5.0	460	1,100	---	52	---	---	---	---	---	---	---	---	31.31	4.59	---	26.72
MW-7	10/28/2003	37,000	290	<10	830	1,200	---	98	---	---	---	---	---	---	---	---	31.31	4.97	---	26.34
MW-7	01/13/2004	22,000	94	<10	410	680	---	97	---	---	---	---	---	---	---	---	31.31	4.55	---	26.76
MW-7	04/01/2004	24,000	250	<10	440	660	---	210	---	---	---	---	---	---	---	---	31.31	4.91	---	26.40
MW-7	07/21/2004	21,000	440	<10	460	640	---	110	<100	<40	<40	<40	---	---	---	---	31.31	4.58	---	26.73
MW-7	10/20/2004	23,000	430	<10	410	640	---	40	---	---	---	---	---	---	---	---	31.31	1.95	---	29.36
MW-7	01/19/2005	17,000	97	<10	240	370	---	150	---	---	---	---	---	---	---	---	31.31	3.91	---	27.40
MW-7	04/20/2005	18,000	160	<10	260	320	---	80	---	---	---	---	---	---	---	---	31.31	4.64	---	26.67
MW-7	07/20/2005	15,000	800	<10	200	250	---	660	290	<40	<40	<40	---	---	---	---	31.31	6.29	---	25.02
MW-7	10/19/2005	12,000	1,200	<5.0	120	150	---	760	---	---	---	---	---	---	---	---	31.31	7.25	---	24.06
MW-7	01/24/2006	24,900	604	3.14	135	216	---	259	---	---	---	---	---	---	---	---	31.31	4.50	---	26.81
MW-7	04/19/2006	135,000	378	1.82	66.0	177	---	74.0	---	---	---	---	---	---	---	---	31.31	3.74	---	27.57
MW-7	07/19/2006	10,600	33.0	<0.500	13.0	27.5	---	<0.500	<10.0	<0.500	<0.500	<0.500	---	---	---	---	31.31	3.77	---	27.54
MW-7	10/18/2006	35,200	295	2.44	133	105	---	36.1	---	---	---	---	---	---	---	---	31.31	4.82	---	26.49
MW-7	01/17/2007	7,800	84	<2.5	83	60	---	20	---	---	---	---	---	---	---	---	31.31	5.60	---	25.71
MW-7	04/18/2007	13,000 h	180	1.8	120	90.5	---	56	---	---	---	---	---	---	---	---	31.31	5.68	---	25.63
MW-7	07/18/2007	10,000 h	190	<5.0	68	40.4 i	---	88	77	<10	<10	<10	---	---	---	---	31.31	7.35	---	23.96
MW-7	10/18/2007	8,200 h	56	<5.0	6.0	17.3 i	---	17	---	---	---	---	---	---	---	---	31.31	3.45	---	27.86
MW-7	01/16/2008	17,000 h	37	<2.0	21	15	---	<2.0	---	---	---	---	---	---	---	---	31.31	3.39	---	27.92
MW-7	04/16/2008	10,000	51	2.1	29	17.2	---	28	---	---	---	---	---	---	---	---	31.31	5.68	---	25.63
MW-7	07/16/2008	23,000	46	<50	<50	<50	---	<50	<500	<100	<100	<100	---	---	---	---	31.31	3.02	---	28.29
MW-7	10/15/2008	4,200	17	<1.0	1.3	4.6	---	4.9	---	---	---	---	---	---	---	---	31.31	6.10	---	25.21
MW-7	01/21/2009	11,000	15	1.7	15	4.2	---	<1.0	---	---	---	---	---	---	---	---	31.31	5.69	---	25.62
MW-7	04/15/2009	12,000	11	<10	11	<10	---	<10	---	---	---	---	---	---	---	---	31.31	3.40	---	27.91
MW-7	10/21/2009	6,600	43	<5.0	<5.0	<5.0	---	29	<50	<10	<10	<10	---	---	---	---	31.31	3.25	---	28.06

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
3420 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Well ID	Date	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)	EDB (µg/L)	1,2-DCA (µg/L)	Ethanol (µg/L)	DO Reading (mg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
MW-7	04/21/2010	14,000	3.6	<1.0	3.5	1.1	---	5.4	---	---	---	---	---	---	---	---	31.31	4.38	---	26.93
MW-7	10/20/2010	7,100	4.1	<5.0	<5.0	<5.0	---	5.5	---	---	---	---	---	---	---	---	31.31	3.11	---	28.20
MW-7	04/20/2011	7,500	<2.5	<2.5	<2.5	<5.0	---	<5.0	---	---	---	---	---	---	---	---	31.31	3.19	---	28.12
MW-7	10/18/2011	140,000	12	12	12	24	---	<10	<100	<10	<10	<10	<5.0	<5.0	---	---	31.31	3.20	---	28.11
MW-7	04/18/2012	3,400	<5.0	<5.0	<5.0	<10	---	<5.0	---	---	---	---	<5.0	<5.0	---	---	31.31	3.05	---	28.26
MW-7	**10/17/2012**	**6,500**	**11**	**0.76**	**1.1**	**<1.0**	**---**	**6.2**	**---**	**---**	**---**	**---**	**0.60**	**<0.50**	**---**	**---**	**31.31**	**3.60**	**---**	**27.71**
MW-8	08/06/1991	32,000	3,700	1,100	1,400	6,100	---	---	---	---	---	---	---	---	---	---	20.95	9.60	---	11.35
MW-8	10/23/1991	63,000	4,800	1,300	1,300	6,900	---	---	---	---	---	---	---	---	---	---	20.95	9.73	---	11.22
MW-8	01/28/1992	32,000	1,900	750	1,400	6,300	---	---	---	---	---	---	---	---	---	---	20.95	7.72	---	13.23
MW-8	05/05/1992	180,000	2,200	2,000	2,700	13,000	---	---	---	---	---	---	---	---	---	---	20.95	6.48	---	14.47
MW-8	07/13/1992	56,000	4,500	1,500	2,700	9,100	---	---	---	---	---	---	---	---	---	---	20.95	8.55	---	12.40
MW-8	10/12/1992	34,000	2,400	550	1,400	6,400	---	---	---	---	---	---	---	---	---	---	20.95	9.97	---	10.98
MW-8	01/12/1993	110,000	2,100	1,200	2,400	12,000	---	---	---	---	---	---	---	---	---	---	20.95	6.94	---	14.01
MW-8	04/06/1993	38,000	2,500	840	1,100	4,900	---	---	---	---	---	---	---	---	---	---	20.95	5.72	---	15.23
MW-8	07/12/1993	27,000	2,800	990	1,200	5,300	---	---	---	---	---	---	---	---	---	---	20.95	7.65	---	13.30
MW-8	10/13/1993	32,000	3,300	1,300	1,600	8,400	---	---	---	---	---	---	---	---	---	---	20.95	8.25	---	12.70
MW-8	01/20/1994	78,000	1,900	670	1,300	6,600	---	---	---	---	---	---	---	---	---	---	20.95	7.25	---	13.70
MW-8	04/13/1994	41,000	1,300	720	1,200	6,000	---	---	---	---	---	---	---	---	---	---	20.95	7.12	---	13.83
MW-8	07/19/1994	140,000	1,800	1,400	2,000	9,000	---	---	---	---	---	---	---	---	---	---	20.95	7.43	---	13.52
MW-8	10/27/1994	32,000	1,200	670	1,200	5,700	---	---	---	---	---	---	---	---	---	---	20.95	7.55	---	13.40
MW-8	01/03/1995	38,000	1,000	700	1,500	7,500	---	---	---	---	---	---	---	---	---	---	20.95	6.04	---	14.91
MW-8	04/13/1995	31,000	1,200	570	1,000	5,300	---	---	---	---	---	---	---	---	---	---	20.95	5.04	---	15.91
MW-8	06/30/1995	110,000	2,000	1,500	2,000	9,700	---	---	---	---	---	---	---	---	---	---	20.95	5.72	---	15.23
MW-8	10/11/1995	36,000	170	60	1,300	6,300	510	---	---	---	---	---	---	---	---	---	20.95	7.06	---	13.89
MW-8	01/17/1996	38,000	1,000	520	1,100	6,200	950	---	---	---	---	---	---	---	---	---	20.95	5.84	---	15.11
MW-8	04/10/1996	54,000	650	260	850	4,700	<250	---	---	---	---	---	---	---	---	---	20.95	5.03	---	15.92
MW-8	07/30/1996	33,000	780	330	830	4,200	1,700	---	---	---	---	---	---	---	---	---	20.95	6.36	---	14.59
MW-8	10/17/1996	35,000	750	300	1,100	5,000	1,200	---	---	---	---	---	---	---	---	1.6	20.95	5.94	---	15.01
MW-8	01/22/1997	25,000	260	78	420	2,400	120	---	---	---	---	---	---	---	---	1.8	20.95	5.93	---	15.02
MW-8	04/01/1997	22,000	680	180	550	2,500	260	---	---	---	---	---	---	---	---	1.8	20.95	6.24	---	14.71
MW-8	07/14/1997	29,000	870	200	850	3,100	500	---	---	---	---	---	---	---	---	1.4	20.95	8.59	---	12.36
MW-8	10/08/1997	27,000	1,000	190	960	3,000	170	---	---	---	---	---	---	---	---	4.6	20.95	9.04	---	11.91
MW-8	01/19/1998	21,000	660	160	740	3,300	170	---	---	---	---	---	---	---	---	2.2	20.95	3.34	---	17.61
MW-8	04/28/1998	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	20.95	---	---	---
MW-8	09/30/1998	19,000	370	230	880	3,800	410	---	---	---	---	---	---	---	---	1.2	21.15	7.00	---	14.15
MW-8	12/09/1998	1,400	92	90	74	260	<250	---	---	---	---	---	---	---	---	3.6	21.15	6.38	---	14.77

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
3420 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Well ID	Date	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)	EDB (µg/L)	1,2-DCA (µg/L)	Ethanol (µg/L)	DO Reading (mg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
MW-8	01/18/1999	317	<0.500	<0.500	3.04	0.984	3.92	---	---	---	---	---	---	---	---	2.0	21.15	1.85	---	19.30
MW-8	04/12/1999	8,300	35.6	24.4	144	466	<100	---	---	---	---	---	---	---	---	1.6	21.15	3.65	---	17.50
MW-8	07/27/1999	12,700	<5.00	5.47	281	1,130	50.3	---	---	---	---	---	---	---	---	1.4	21.15	5.00	---	16.15
MW-8	10/14/1999	11,900	86.7	16.9	210	469	<100	---	---	---	---	---	---	---	---	1.2	21.15	5.95	---	15.20
MW-8	01/06/2000	5,930	65	12.4	106	129	203.0	---	---	---	---	---	---	---	---	1.3	21.15	6.19	---	14.96
MW-8	04/05/2000	6,770	100	<50.0	61.3	150	322	---	---	---	---	---	---	---	---	2.1	21.15	5.14	---	16.01
MW-8	07/20/2000	28,900	109	307	119	235	337	---	---	---	---	---	---	---	---	2.1	21.15	5.21	---	15.94
MW-8	10/24/2000	8,620	99.0	12.8	152	366	225	---	---	---	---	---	---	---	---	1.0	21.15	3.11	---	18.04
MW-8	01/19/2001	5,590	49.4	6.50	26.0	57.4	99.5	---	---	---	---	---	---	---	---	1.8	32.11	5.35	---	26.76
MW-8	04/27/2001	3,800	<0.50	<0.50	14	31	---	<5.0	---	---	---	---	---	---	---	0.7	32.11	4.58	---	27.53
MW-8	07/26/2001	4,400	0.88	0.59	7.0	14	---	<5.0	---	---	---	---	---	---	---	0.9	32.11	5.83	---	26.28
MW-8	10/02/2001	1,800	9.8	<0.50	23	16	---	<5.0	---	---	---	---	---	---	---	1.2	32.11	6.50	---	25.61
MW-8	01/15/2002	2,700	1.2	1.5	0.93	1.7	---	12	---	---	---	---	---	---	---	1.6	32.11	5.07	---	27.04
MW-8	04/17/2002	3,200	2.2	<1.0	9.0	14	---	<10	---	---	---	---	---	---	---	1.0	32.11	3.80	---	28.31
MW-8	07/11/2002	6,500	23	1.0	12	19	---	<10	---	---	---	---	---	---	---	1.9	32.11	6.29	---	25.82
MW-8	10/10/2002	1,900	5.3	<0.50	30	33	---	7.6	---	---	---	---	---	---	---	2.4	32.11	4.32	---	27.79
MW-8	01/21/2003	3,700	1.4	<1.0	3.9	6.6	---	<10	---	---	---	---	---	---	---	0.6	32.11	5.57	---	26.54
MW-8	05/02/2003	3,900 d	<5.0	<5.0	<5.0	<10	---	<50	---	---	---	---	---	---	---	0.23	32.11	1.67	---	30.44
MW-8	07/10/2003	2,400	<2.5	<2.5	<2.5	<5.0	---	<2.5	---	---	---	---	---	---	---	---	32.11	3.81	---	28.30
MW-8	10/28/2003	3,000	<2.5	3.1	4.6	6.1	---	<2.5	---	---	---	---	---	---	---	---	32.11	4.99	---	27.12
MW-8	01/13/2004	4,600	3.6	<2.5	14	20	---	2.5	---	---	---	---	---	---	---	---	32.11	5.10	---	27.01
MW-8	04/01/2004	4,200	3.9	<2.5	7.1	8.8	---	<2.5	---	---	---	---	---	---	---	---	32.11	3.32	---	28.79
MW-8	07/21/2004	3,400	<2.5	<2.5	4.1	<5.0	---	<2.5	<25	<10	<10	<10	---	---	---	---	32.11	3.95	---	28.16
MW-8	10/20/2004	2,300	<2.5	<2.5	<2.5	<5.0	---	<2.5	---	---	---	---	---	---	---	---	32.11	1.48	---	30.63
MW-8	01/19/2005	2,000	<2.5	<2.5	<2.5	<5.0	---	<2.5	---	---	---	---	---	---	---	---	32.11	5.28	---	26.83
MW-8	04/20/2005	2,300	<2.5	<2.5	<2.5	<5.0	---	<2.5	---	---	---	---	---	---	---	---	32.11	3.52	---	28.59
MW-8	07/20/2005	1,500	2.0	0.77	1.4	1.3	---	<0.50	<5.0	<2.0	<2.0	<2.0	---	---	---	---	32.11	5.35	---	26.76
MW-8	10/19/2005	2,200	4.0	0.96	2.5	3.1	---	<0.50	---	---	---	---	---	---	---	---	32.11	7.80	---	24.31
MW-8	01/24/2006	5,150	0.600	<0.500	3.33	<0.500	---	<0.500	---	---	---	---	---	---	---	---	32.11	2.18	---	29.93
MW-8	06/02/2006	Well destroyed		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-9	08/06/1991	11,000	1,700	95	520	1,400	---	---	---	---	---	---	---	---	---	---	21.19	10.33	---	10.86
MW-9	10/23/1991	20,000	1,000	47	<0.3	940	---	---	---	---	---	---	---	---	---	---	21.19	11.13	---	10.06
MW-9	01/28/1992	3,500	120	<10	280	36	---	---	---	---	---	---	---	---	---	---	21.19	9.02	---	12.17
MW-9	05/04/1992	7,700	1,200	<50	380	630	---	---	---	---	---	---	---	---	---	---	21.19	7.67	---	13.52
MW-9	07/20/1992	11,000	910	<50	220	1,200	---	---	---	---	---	---	---	---	---	---	21.19	10.26	---	10.93
MW-9	10/12/1992	2,100	340	15	77	44	---	---	---	---	---	---	---	---	---	---	21.19	12.19	---	9.00

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
3420 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Well ID	Date	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)	EDB (µg/L)	1,2-DCA (µg/L)	Ethanol (µg/L)	DO Reading (mg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
MW-9	01/12/1993	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	21.19	---	---	---
MW-9	04/06/1993	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	21.19	---	---	---
MW-9	07/12/1993	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	21.19	---	---	---
MW-9	10/13/1993	2,900	140	<5	<5	120	---	---	---	---	---	---	---	---	---	---	21.19	11.17	---	10.02
MW-9	01/20/1994	1,700	380	6.9	150	400	---	---	---	---	---	---	---	---	---	---	21.19	8.03	---	13.16
MW-9	04/13/1994	6,000	1,000	<20	450	420	---	---	---	---	---	---	---	---	---	---	21.19	7.81	---	13.38
MW-9	07/19/1994	12,000	1,400	<5	740	1,200	---	---	---	---	---	---	---	---	---	---	21.19	8.96	---	12.23
MW-9	10/27/1994	10,000	1,200	160	280	860	---	---	---	---	---	---	---	---	---	---	21.19	11.00	---	10.19
MW-9	01/03/1995	4,400	680	7.7	180	370	---	---	---	---	---	---	---	---	---	---	21.19	6.60	---	14.59
MW-9	04/13/1995	1,700	270	<10	69	170	---	---	---	---	---	---	---	---	---	---	21.19	6.73	---	14.46
MW-9	06/30/1995	14,000	2,200	18	900	2,600	---	---	---	---	---	---	---	---	---	---	21.19	7.32	---	13.87
MW-9	10/11/1995	9,600	35	12	360	980	590	---	---	---	---	---	---	---	---	---	21.19	8.10	---	13.09
MW-9	01/17/1996	2,800	150	7.4	54	130	170	---	---	---	---	---	---	---	---	---	21.19	5.75	---	15.44
MW-9	04/10/1996	5,200	290	<5	92	220	240	---	---	---	---	---	---	---	---	---	21.19	5.17	---	16.02
MW-9	07/30/1996	5,100	960	<10	380	770	670	---	---	---	---	---	---	---	---	---	21.19	8.10	---	13.09
MW-9	10/17/1996	15,000	2,100	<25	590	1,300	1,500	---	---	---	---	---	---	---	---	2.4	21.19	9.12	---	12.07
MW-9	01/22/1997	5,600	690	<5.0	140	310	620	---	---	---	---	---	---	---	---	2.2	21.19	4.72	---	16.47
MW-9	04/01/1997	4,000	590	<10	140	200	600	---	---	---	---	---	---	---	---	2.2	21.19	6.86	---	14.33
MW-9	07/14/1997	7,100	860	<10	51	230	950	---	---	---	---	---	---	---	---	3.8	21.19	10.04	---	11.15
MW-9	10/08/1997	1,500	57	<2.0	2.0	13	540	---	---	---	---	---	---	---	---	8.2	21.19	11.38	---	9.81
MW-9	01/19/1998	2,500	280	<20	79	61	620	---	---	---	---	---	---	---	---	1.4	21.19	3.88	---	17.31
MW-9	04/28/1998	2,200	330	<20	91	110	640	---	---	---	---	---	---	---	---	1.6	21.19	5.87	---	15.32
MW-9	09/30/1998	2,800	490	<5.0	87	240	1,200	---	---	---	---	---	---	---	---	4.0	21.19	8.25	---	12.94
MW-9	12/09/1998	3,700	370	<5.0	83	130	1,100	---	---	---	---	---	---	---	---	2.9	21.19	8.07	---	13.12
MW-9	01/18/1999	9,670	1,110	<5.00	442	571	786	---	---	---	---	---	---	---	---	3.2	21.19	7.54	---	13.65
MW-9	04/12/1999	3,140	272	<10.0	41.6	114	542	---	---	---	---	---	---	---	---	1.7	21.19	5.60	---	15.59
MW-9	07/27/1999	3,580	247	<1.00	67.7	137	432	---	---	---	---	---	---	---	---	1.6	21.19	7.30	---	13.89
MW-9	10/14/1999	3,200	199	<10.0	74.1	88.9	468	---	---	---	---	---	---	---	---	1.4	21.19	7.26	---	13.93
MW-9	01/06/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	---	---	---	1.5	21.19	8.31	---	12.88
MW-9	04/05/2000	2,790	156	<5.00	39.1	57.8	399	---	---	---	---	---	---	---	---	0.9	21.19	5.40	---	15.79
MW-9	07/20/2000	5,530	283	14.9	379	728	92.7	---	---	---	---	---	---	---	---	2.1	21.19	5.70	---	15.49
MW-9	10/24/2000	3,090	110	<5.00	46.4	63.3	362	---	---	---	---	---	---	---	---	1.0	21.19	5.90	---	15.29
MW-9	01/19/2001	6,060	180	<5.00	181	164	231	---	---	---	---	---	---	---	---	1.2	32.15	5.39	---	26.76
MW-9	04/27/2001	2,700	56	<0.50	26	46	---	150	---	---	---	---	---	---	---	1.2	32.15	5.38	---	26.77
MW-9	07/26/2001	4,200	50	<0.50	28	53	---	180	---	---	---	---	---	---	---	1.0	32.15	6.45	---	25.70
MW-9	10/02/2001	11,000	150	<2.0	120	140	---	180	---	---	---	---	---	---	---	1.4	32.15	6.10	---	26.05
MW-9	01/15/2002	1,200	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	---	---	---	1.2	32.15	4.77	---	27.38

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
3420 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Well ID	Date	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)	EDB (µg/L)	1,2-DCA (µg/L)	Ethanol (µg/L)	DO Reading (mg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
MW-9	04/17/2002	2,200	24	<0.50	26	27	---	96	---	---	---	---	---	---	---	0.6	32.15	5.57	---	26.58
MW-9	07/11/2002	4,600	21	<0.50	17	33	---	140	---	---	---	---	---	---	---	2.1	32.15	6.64	---	25.51
MW-9	10/10/2002	2,800	8.8	<0.50	3.2	9.5	---	160	---	---	---	---	---	---	---	2.4	32.15	7.41	---	24.74
MW-9	01/21/2003	470	1.9	<0.50	1.7	1.1	---	13	---	---	---	---	---	---	---	1.0	32.15	5.47	---	26.68
MW-9	05/02/2003	770	2.9	<0.50	1.5	1.8	---	82	---	---	---	---	---	---	---	0.96	32.15	5.40	---	26.75
MW-9	07/10/2003	1,700	4.9	<2.5	3.0	5.2	---	100	---	---	---	---	---	---	---	---	32.15	6.59	---	25.56
MW-9	10/28/2003	2,400	<5.0	<5.0	<5.0	<10	---	180	---	---	---	---	---	---	---	---	32.15	6.94	---	25.21
MW-9	01/13/2004	550	<0.50	0.54	<0.50	<1.0	---	23	---	---	---	---	---	---	---	---	32.15	5.62	---	26.53
MW-9	04/01/2004	440	<0.50	<0.50	<0.50	<1.0	---	19	---	---	---	---	---	---	---	---	32.15	5.94	---	26.21
MW-9	07/21/2004	1,100	<0.50	<0.50	<0.50	<1.0	---	110	34	<2.0	<2.0	<2.0	---	---	---	---	32.15	6.60	---	25.55
MW-9	10/20/2004	730	<0.50	<0.50	<0.50	<1.0	---	56	---	---	---	---	---	---	---	---	32.15	4.48	---	27.67
MW-9	01/19/2005	320	<0.50	<0.50	<0.50	<1.0	---	3.0	---	---	---	---	---	---	---	---	32.15	4.56	---	27.59
MW-9	04/20/2005	100	<0.50	0.56	<0.50	<1.0	---	5.8	---	---	---	---	---	---	---	---	32.15	5.21	---	26.94
MW-9	07/20/2005	400	<0.50	1.4	<0.50	<1.0	---	45	20	<2.0	<2.0	<2.0	---	---	---	---	32.15	6.90	---	25.25
MW-9	10/19/2005	400	<0.50	<0.50	<0.50	<1.0	---	44	---	---	---	---	---	---	---	---	32.15	7.75	---	24.40
MW-9	01/24/2006	666	<0.500	3.24	<0.500	<0.500	---	2.96	---	---	---	---	---	---	---	---	32.15	4.64	---	27.51
MW-9	04/19/2006	<50.0	<0.500	<0.500	0.610	<0.500	---	28.4	---	---	---	---	---	---	---	---	32.15	3.48	---	28.67
MW-9	07/19/2006	660	<0.500	<0.500	<0.500	<0.500	---	49.2	<10.0	<0.500	<0.500	<0.500	---	---	---	---	32.15	5.63	---	26.52
MW-9	10/18/2006	994	<0.500	<0.500	<0.500	<0.500	---	39.9	---	---	---	---	---	---	---	---	32.15	6.58	---	25.57
MW-9	01/17/2007	100	<0.50	<0.50	<0.50	<1.0	---	17	---	---	---	---	---	---	---	---	32.15	6.03	---	26.12
MW-9	04/18/2007	400 h	0.29 i	<1.0	0.41 i	0.36 i	---	35	---	---	---	---	---	---	---	---	32.15	6.51	---	25.64
MW-9	07/18/2007	320 h	0.17 i	<1.0	<1.0	<1.0	---	34	24	<2.0	<2.0	<2.0	---	---	---	---	32.15	6.88	---	25.27
MW-9	10/18/2007	89 h	1.1	<1.0	0.55 i	<1.0	---	27	---	---	---	---	---	---	---	---	32.15	7.95	---	24.20
MW-9	01/16/2008	370 h	<0.50	<1.0	<1.0	<1.0	---	28	---	---	---	---	---	---	---	---	32.15	5.90	---	26.25
MW-9	04/16/2008	120	<0.50	<1.0	<1.0	<1.0	---	23	---	---	---	---	---	---	---	---	32.15	6.52	---	25.63
MW-9	07/16/2008	360	<0.50	<1.0	<1.0	<1.0	---	29	21	<2.0	<2.0	<2.0	---	---	---	---	32.15	7.41	---	24.74
MW-9	10/15/2008	220	<0.50	<1.0	<1.0	<1.0	---	24	---	---	---	---	---	---	---	---	32.15	7.70	---	24.45
MW-9	01/21/2009	200	<0.50	<1.0	<1.0	<1.0	---	19	---	---	---	---	---	---	---	---	32.15	6.59	---	25.56
MW-9	04/15/2009	68	<0.50	<1.0	<1.0	<1.0	---	6.0	---	---	---	---	---	---	---	---	32.15	5.59	---	26.56
MW-9	10/21/2009	130	<0.50	<1.0	<1.0	<1.0	---	15	12	<2.0	<2.0	<2.0	---	---	---	---	32.15	6.90	---	25.25
MW-9	04/21/2010	Unable to access		---	---	---	---	---	---	---	---	---	---	---	---	---	32.15	---	---	---
MW-9	10/20/2010	260	<0.50	<1.0	<1.0	<1.0	---	11	---	---	---	---	---	---	---	---	32.15	7.75	---	24.40
MW-9	04/20/2011	<50	<0.50	<0.50	<0.50	<1.0	---	1.3	---	---	---	---	---	---	---	---	32.15	5.07	---	27.08
MW-9	10/18/2011	85	<0.50	<0.50	<0.50	<1.0	---	7.0	<10	<1.0	<1.0	<1.0	<0.50	<0.50	---	---	32.15	6.93	---	25.22
MW-9	04/18/2012	<50	<0.50	<0.50	<0.50	<1.0	---	0.69	---	---	---	---	<0.50	<0.50	---	---	32.15	3.96	---	28.19
MW-9	**10/17/2012**	**51**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**5.6**	**---**	**---**	**---**	**---**	**<0.50**	**<0.50**	**---**	**---**	**32.15**	**7.50**	**---**	**24.65**

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
3420 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Well ID	Date	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)	EDB (µg/L)	1,2-DCA (µg/L)	Ethanol (µg/L)	DO Reading (mg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
MW-10	10/23/1991	27,000	1,600	110	1,800	510	---	---	---	---	---	---	---	---	---	---	19.74	8.57	---	11.17
MW-10	01/28/1992	3,800	360	14	170	39	---	---	---	---	---	---	---	---	---	---	19.74	7.60	---	12.14
MW-10	05/04/1992	3,000	360	<12.5	140	26	---	---	---	---	---	---	---	---	---	---	19.74	7.54	---	12.20
MW-10	07/20/1992	15,000	400	<25	180	67	---	---	---	---	---	---	---	---	---	---	19.74	8.59	---	11.15
MW-10	10/12/1992	16,000	320	<50	360	100	---	---	---	---	---	---	---	---	---	---	19.74	10.23	---	9.51
MW-10	01/12/1993	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	19.74	---	---	---
MW-10	04/06/1993	14,000	370	<0.5	880	210	---	---	---	---	---	---	---	---	---	---	19.74	6.70	---	13.04
MW-10	07/12/1993	10,000	440	58	890	220	---	---	---	---	---	---	---	---	---	---	19.74	8.05	---	11.69
MW-10	10/13/1993	15,000	1,000	51	810	170	---	---	---	---	---	---	---	---	---	---	19.74	8.25	---	11.49
MW-10	01/20/1994	12,000	820	56	1,100	350	---	---	---	---	---	---	---	---	---	---	19.74	7.20	---	12.54
MW-10	04/13/1994	18,000	760	36	700	130	---	---	---	---	---	---	---	---	---	---	19.74	7.57	---	12.17
MW-10	07/19/1994	24,000	400	2.30	800	22	---	---	---	---	---	---	---	---	---	---	19.74	8.18	---	11.56
MW-10	10/27/1994	11,000	360	43	310	89	---	---	---	---	---	---	---	---	---	---	19.74	8.68	---	11.06
MW-10	01/03/1995	17,000	770	38	690	160	---	---	---	---	---	---	---	---	---	---	19.74	6.86	---	12.88
MW-10	04/13/1995	9,900	650	16	280	40	---	---	---	---	---	---	---	---	---	---	19.74	6.91	---	12.83
MW-10	06/30/1995	12,000	750	20	480	130	---	---	---	---	---	---	---	---	---	---	19.74	7.61	---	12.13
MW-10	01/17/1996	17,000	870	260	93	830	---	---	---	---	---	---	---	---	---	---	19.74	7.00	---	12.74
MW-10	04/10/1996	14,000	470	38	110	370	---	---	---	---	---	---	---	---	---	---	19.74	6.80	---	12.94
MW-10	07/30/1996	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	19.74	---	---	---
MW-10	10/17/1996	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	19.74	---	---	---
MW-10	01/22/1997	10,000	520	<20	64	32	180	---	---	---	---	---	---	---	---	3.1	19.74	6.68	---	13.06
MW-10	04/01/1997	11,000	590	<20	53	32	210	---	---	---	---	---	---	---	---	2.8	19.74	7.34	---	12.40
MW-10	07/14/1997	6,600	410	13	28	11	89	---	---	---	---	---	---	---	---	1.4	19.74	8.10	---	11.64
MW-10	10/08/1997	7,600	220	13	65	22	190	---	---	---	---	---	---	---	---	6.4	19.74	8.20	---	11.54
MW-10	01/19/1998	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	19.74	---	---	---
MW-10	04/28/1998	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	19.74	---	---	---
MW-10	09/30/1998	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	19.76	8.11	---	11.65
MW-10	12/09/1998	28,000	150	<100	240	160	<500	---	---	---	---	---	---	---	---	2.7	19.76	8.21	---	11.55
MW-10	01/18/1999	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	19.76	---	---	---
MW-10	04/12/1999	8,320	71.2	27.4	138	456	<100	---	---	---	---	---	---	---	---	1.8	19.76	5.96	---	13.80
MW-10	07/27/1999	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	19.76	---	---	---
MW-10	10/14/1999	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	19.76	---	---	---
MW-10	01/06/2000	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	19.76	---	---	---
MW-10	02/01/2000	4880	40.2	5.27	27.0	8.42	75.5	23.9	---	---	---	---	---	---	---	1.6	19.76	6.43	---	13.33
MW-10	04/05/2000	4,950	97.6	6.72	20.2	5.39	104	---	---	---	---	---	---	---	---	1.7	19.76	7.00	---	12.76
MW-10	07/20/2000	2,800	166	191	27.6	88.7	81.5	---	---	---	---	---	---	---	---	1.0	19.76	7.03	---	12.73
MW-10	10/24/2000	5,070	79.6	46.6	34.2	11.7	242	---	---	---	---	---	---	---	---	1.9	19.76	7.96	---	11.80

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
3420 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Well ID	Date	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)	EDB (µg/L)	1,2-DCA (µg/L)	Ethanol (µg/L)	DO Reading (mg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
MW-10	01/19/2001	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	19.76	---	---	---
MW-10	01/30/2001	6,920	362	14.2	22.7	<10.0	138	---	---	---	---	---	---	---	---	2.2	30.75	7.32	---	23.43
MW-10	04/27/2001	12,000	35	<2.5	37	6.5	---	51	---	---	---	---	---	---	---	1.2	30.75	8.28	---	22.47
MW-10	07/26/2001	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	30.75	---	---	---
MW-10	10/02/2001	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	30.75	---	---	---
MW-10	10/23/2001	470	3.5	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	---	---	---	1.8	30.75	7.02	---	23.73
MW-10	01/15/2002	3,000	5.4	<0.50	7.9	2.1	---	12	---	---	---	---	---	---	---	2.7	30.75	6.69	---	24.06
MW-10	04/17/2002	5,100	7.9	<1.0	9.3	2.6	---	15	---	---	---	---	---	---	---	0.6	30.75	7.34	---	23.41
MW-10	07/11/2002	5,700	38	2.2	7.8	3.5	---	43	---	---	---	---	---	---	---	2.0	30.75	7.85	---	22.90
MW-10	10/10/2002	4,700	53	2.1	3.8	2.8	---	80	---	---	---	---	---	---	---	3.3	30.75	8.04	---	22.71
MW-10	01/21/2003	3,900	11	1.0	7.5	2.3	---	51	---	---	---	---	---	---	---	1.7	30.75	6.81	---	23.94
MW-10	05/02/2003	3,100	1.4	<0.50	4.6	1.4	---	41	---	---	---	---	---	---	---	0.75	30.75	7.12	---	23.63
MW-10	07/10/2003	4,200	17	<1.2	6.2	<2.5	---	51	---	---	---	---	---	---	---	---	30.75	7.80	---	22.95
MW-10	10/28/2003	7,100	20	<5.0	8.4	<10	---	120	---	---	---	---	---	---	---	---	30.75	7.91	---	22.84
MW-10	01/13/2004	4,800	18	<2.5	6.3	<5.0	---	99	---	---	---	---	---	---	---	---	30.75	6.62	---	24.13
MW-10	04/01/2004	5,500	6.0	<5.0	<5.0	<10	---	59	---	---	---	---	---	---	---	---	30.75	7.00	---	23.75
MW-10	07/21/2004	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	30.75	---	---	---
MW-10	07/29/2004	4,700	22	<5.0	5.5	<10	---	95	<50	<20	<20	<20	---	---	---	---	30.75	7.60	---	23.15
MW-10	10/20/2004	4,800	23	<5.0	<5.0	<10	---	110	---	---	---	---	---	---	---	---	30.75	7.90	---	22.85
MW-10	01/19/2005	1,200	1.1	<0.50	<0.50	<1.0	---	30	---	---	---	---	---	---	---	---	30.75	6.28	---	24.47
MW-10	04/20/2005	3,900	3.9	<0.50	2.7	<1.0	---	9.0	---	---	---	---	---	---	---	---	30.75	6.80	---	23.95
MW-10	07/20/2005	3,000	8.1	1.2	2.1	1.4	---	35	19	29	<2.0	<2.0	---	---	---	---	30.75	7.82	---	22.93
MW-10	10/19/2005	1,900	2.9	0.62	0.85	<1.0	---	39	---	---	---	---	---	---	---	---	30.75	8.30	---	22.45
MW-10	01/24/2006	6,110	0.710	<0.500	2.01	<0.500	---	20.1	---	---	---	---	---	---	---	---	30.75	6.47	---	24.28
MW-10	04/19/2006	<50.0	<0.500	<0.500	<0.500	<0.500	---	2.64	---	---	---	---	---	---	---	---	30.75	5.89	---	24.86
MW-10	07/19/2006	3,590	7.86	<0.500	0.780	<0.500	---	21.5	<10.0	<0.500	<0.500	<0.500	---	---	---	---	30.75	7.50	---	23.25
MW-10	10/18/2006	8,470	4.81	0.910	1.51	2.05	---	51.7	---	---	---	---	---	---	---	---	30.75	7.90	---	22.85
MW-10	01/17/2007	670	<0.50	<0.50	<0.50	<1.0	---	14	---	---	---	---	---	---	---	---	30.75	7.23	---	23.52
MW-10	04/18/2007	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	30.75	---	---	---
MW-10	07/18/2007	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	30.75	---	---	---
MW-10	10/18/2007	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	30.75	---	---	---
MW-10	10/26/2007	2,400 h	0.17 i	0.32 i	0.66 i	<1.0	---	28	---	---	---	---	---	---	---	---	30.75	6.65	---	24.10
MW-10	01/16/2008	2,200 h	<0.50	<1.0	<1.0	<1.0	---	16	---	---	---	---	---	---	---	---	30.75	5.80	---	24.95
MW-10	04/16/2008	380	<0.50	<1.0	<1.0	<1.0	---	4.6	---	---	---	---	---	---	---	---	30.75	6.95	---	23.80
MW-10	07/16/2008	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	30.75	---	---	---
MW-10	10/15/2008	1,000	2.7	<1.0	1.4	<1.0	---	19	---	---	---	---	---	---	---	---	30.75	7.70	---	23.05
MW-10	01/21/2009	4,400	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	---	---	---	---	30.75	6.19	---	24.56

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
3420 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Well ID	Date	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)	EDB (µg/L)	1,2-DCA (µg/L)	Ethanol (µg/L)	DO Reading (mg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
MW-10	04/15/2009	3,000	<5.0	<10	<10	<10	---	<10	---	---	---	---	---	---	---	---	30.75	6.30	---	24.45
MW-10	10/21/2009	2,200	0.71	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	---	30.75	5.95	---	24.80
MW-10	04/21/2010	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	30.75	---	---	---
MW-10	10/20/2010	920	<0.50	<1.0	<1.0	<1.0	---	4.3	---	---	---	---	---	---	---	---	30.75	7.25	---	23.50
MW-10	04/20/2011	1,900	<0.50	0.50	<0.50	<1.0	---	<1.0	---	---	---	---	---	---	---	---	30.75	6.70	---	24.05
MW-10	10/18/2011	1,100	<0.50	0.50	<0.50	<1.0	---	3.5	<10	<1.0	<1.0	<1.0	0.50	<0.50	---	---	30.75	7.36	---	23.39
MW-10	04/18/2012	2,200	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	<0.50	<0.50	---	---	30.75	5.78	---	24.97
MW-10	**10/17/2012**	**2,100**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**4.7**	**---**	**---**	**---**	**---**	**<0.50**	**<0.50**	**---**	**---**	**30.75**	**8.06**	**---**	**22.69**
MW-11	10/23/1991	140	<12	<0.3	0.37	0.56	---	---	---	---	---	---	---	---	---	---	22.06	8.06	---	14.00
MW-11	01/28/1992	<50	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	---	---	22.06	8.74	---	13.32
MW-11	05/04/1992	<50	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	---	---	22.06	8.29	---	13.77
MW-11	07/13/1992	140	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	---	---	22.06	10.50	---	11.56
MW-11	10/12/1992	75	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	---	---	22.06	12.40	---	9.66
MW-11	01/12/1993	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	22.06	---	---	---
MW-11	04/06/1993	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	22.06	---	---	---
MW-11	07/12/1993	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	22.06	---	---	---
MW-11	10/13/1993	<50	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	---	---	22.06	11.47	---	10.59
MW-11	01/20/1994	<50	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	---	---	22.06	9.09	---	12.97
MW-11	04/13/1994	<50	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	---	---	22.06	8.02	---	14.04
MW-11	07/19/1994	50	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	---	---	22.06	9.82	---	12.24
MW-11	10/27/1994	60 j	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	---	---	22.06	11.66	---	10.40
MW-11	01/03/1995	<50	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	---	---	22.06	6.15	---	15.91
MW-11	04/13/1995	<50	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	---	---	22.06	6.00	---	16.06
MW-11	06/30/1995	70	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	---	---	22.06	8.31	---	13.75
MW-11	10/11/1995	60	53	<0.5	<0.5	0.80	3.0	---	---	---	---	---	---	---	---	---	22.06	10.30	---	11.76
MW-11	01/17/1996	<50	<0.5	<0.5	<0.5	<0.5	<2	---	---	---	---	---	---	---	---	---	22.06	6.45	---	15.61
MW-11	04/10/1996	<50	<0.5	<0.5	<0.5	<0.5	3.9	---	---	---	---	---	---	---	---	---	22.06	6.05	---	16.01
MW-11	07/30/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	---	---	---	---	---	---	---	---	---	22.06	8.92	---	13.14
MW-11	10/17/1996	3,000	28	23	29	210	76	---	---	---	---	---	---	---	---	---	22.06	9.24	---	12.82
MW-11	01/22/1997	<50	<0.5	<0.5	<0.5	<0.5	<2.5	---	---	---	---	---	---	---	---	3.7	22.06	5.12	---	16.94
MW-11	04/01/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---	---	2.8	22.06	7.41	---	14.65
MW-11	07/14/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---	---	1.9	22.06	9.74	---	12.32
MW-11	10/08/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---	---	2.4	22.06	10.23	---	11.83
MW-11	01/19/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---	---	3.2	22.06	3.69	---	18.37
MW-11	04/28/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---	---	3.0	22.06	5.83	---	16.23
MW-11	09/30/1998	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	22.06	---	---	---

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
3420 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Well ID	Date	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)	EDB (µg/L)	1,2-DCA (µg/L)	Ethanol (µg/L)	DO Reading (mg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
MW-11	12/09/1998	Well inaccessible	---	---	---	---	---	---	---	---	---	---	---	---	---	---	22.06	---	---	---
MW-11	01/18/1999	Well inaccessible	---	---	---	---	---	---	---	---	---	---	---	---	---	---	22.06	---	---	---
MW-11	04/12/1999	Well inaccessible	---	---	---	---	---	---	---	---	---	---	---	---	---	---	22.06	---	---	---
MW-11	04/26/1999	63	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---	---	3.6	22.06	5.80	---	16.26
MW-11	07/27/1999	<50.0	<0.500	<0.500	<0.500	<0.500	6.02	---	---	---	---	---	---	---	---	2.0	22.06	8.30	---	13.76
MW-11	10/14/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	---	---	---	---	---	---	---	---	2.4	22.06	8.99	---	13.07
MW-11	01/06/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	---	---	---	2.9	22.06	9.93	---	12.13
MW-11	04/05/2000	<50.0	<0.500	<0.500	<0.500	<0.500	3.53	---	---	---	---	---	---	---	---	1.8	22.06	5.90	---	16.16
MW-11	07/20/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	---	---	---	1.7	22.06	6.13	---	15.93
MW-11	10/24/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	22.06	7.45	---	14.61
MW-11	01/19/2001	<50.0	<0.500	<0.500	<0.500	<0.500	4.29	---	---	---	---	---	---	---	---	1.6	32.99	5.95	---	27.04
MW-11	04/27/2001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	32.99	6.12	---	26.87
MW-11	07/26/2001	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	---	---	---	2.1	32.99	7.65	---	25.34
MW-11	10/02/2001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	32.99	6.17	---	26.82
MW-11	01/15/2002	69	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	---	---	---	1.5	32.99	4.95	---	28.04
MW-11	04/17/2002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	32.99	6.35	---	26.64
MW-11	07/11/2002	58	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	---	---	---	2.3	32.99	7.47	---	25.52
MW-11	10/10/2002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	32.99	8.45	---	24.54
MW-11	01/21/2003	57	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	---	---	---	1.4	32.99	5.45	---	27.54
MW-11	05/02/2003	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	32.99	5.14	---	27.85
MW-11	07/10/2003	<50	<0.50	<0.50	<0.50	<1.0	---	2.1	---	---	---	---	---	---	---	---	32.99	7.41	---	25.58
MW-11	10/28/2003	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	32.99	7.78	---	25.21
MW-11	01/13/2004	56 d	<0.50	0.50	<0.50	<1.0	---	2.9	---	---	---	---	---	---	---	---	32.99	5.85	---	27.14
MW-11	04/01/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	32.99	6.02	---	26.97
MW-11	07/21/2004	<50	<0.50	<0.50	<0.50	<1.0	---	2.2	<5.0	<2.0	<2.0	<2.0	---	---	---	---	32.99	7.52	---	25.47
MW-11	10/20/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	32.99	7.20	---	25.79
MW-11	01/19/2005	<50	<0.50	<0.50	<0.50	<1.0	---	1.8	---	---	---	---	---	---	---	---	32.99	4.50	---	28.49
MW-11	04/20/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	32.99	5.09	---	27.90
MW-11	07/20/2005	53 f	<0.50	<0.50	<0.50	<1.0	---	2.9	<5.0	<2.0	<2.0	<2.0	---	---	---	---	32.99	7.31	---	25.68
MW-11	10/19/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	32.99	8.60	---	24.39
MW-11	01/24/2006	<50.0	<0.500	<0.500	<0.500	<0.500	---	1.38	---	---	---	---	---	---	---	---	32.99	4.38	---	28.61
MW-11	04/19/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	32.99	3.86	---	29.13
MW-11	07/19/2006	<50.0	<0.500	<0.500	<0.500	<0.500	---	2.22	<10.0	<0.500	<0.500	<0.500	---	---	---	---	32.99	7.07	---	25.92
MW-11	10/18/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	32.99	7.36	---	25.63
MW-11	01/17/2007	<50	<0.50	<0.50	<0.50	<1.0	---	0.92	---	---	---	---	---	---	---	---	32.99	6.34	---	26.65
MW-11	07/18/2007	<50 h	<0.50	<1.0	<1.0	<1.0	---	1.9	<10	<2.0	<2.0	<2.0	---	---	---	---	32.99	8.30	---	24.69
MW-11	01/16/2008	<50 h	<0.50	<1.0	<1.0	<1.0	---	1.6	<10	<2.0	<2.0	<2.0	---	---	---	---	32.99	5.39	---	27.60

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
3420 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Well ID	Date	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)	EDB (µg/L)	1,2-DCA (µg/L)	Ethanol (µg/L)	DO Reading (mg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
MW-11	04/16/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	32.99	6.89	---	26.10
MW-11	07/16/2008	<50	<0.50	<1.0	<1.0	<1.0	---	1.5	<10	<2.0	<2.0	<2.0	---	---	---	---	32.99	8.31	---	24.68
MW-11	10/15/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	32.99	8.70	---	24.29
MW-11	01/21/2009	51	<0.50	<1.0	<1.0	<1.0	---	1.2	---	---	---	---	---	---	---	---	32.99	7.13	---	25.86
MW-11	04/15/2009	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	32.99	5.89	---	27.10
MW-11	10/21/2009	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	---	32.99	7.15	---	25.84
MW-11	04/21/2010	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	32.99	---	---	---
MW-11	10/20/2010	76	<0.50	<1.0	<1.0	<1.0	---	1.5	---	---	---	---	---	---	---	---	32.99	8.75	---	24.24
MW-11	04/20/2011	<50	<0.50	<0.50	<0.50	<1.0	---	1.3	---	---	---	---	---	---	---	---	32.99	5.16	---	27.83
MW-11	10/18/2011	<50	<0.50	0.50	<0.50	<1.0	---	1.8	<10	<1.0	<1.0	<1.0	0.50	<0.50	---	---	32.99	7.33	---	25.66
MW-11	04/18/2012	<50	<0.50	<0.50	<0.50	<1.0	---	0.70	---	---	---	---	<0.50	<0.50	---	---	32.99	3.89	---	29.10
MW-11	**10/17/2012**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**1.1**	**---**	**---**	**---**	**---**	**<0.50**	**<0.50**	**---**	**---**	**32.99**	**8.75**	**---**	**24.24**

Notes:
TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B; prior to April 27, 2001, analyzed by EPA Method 8015 unless otherwise noted.
BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B; prior to April 27, 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
EDB = 1,2-Dibromoethane analyzed by EPA Method 8260B
1,2-DCA = 1,2-Dichloroethane analyzed by EPA Method 8260B
Ethanol analyzed by EPA Method 8260B
DO = Dissolved oxygen
TOC = Top of casing elevation, in feet relative to mean sea level
SPH = Separate-phase hydrocarbon
GW = Groundwater
µg/L = Micrograms per liter
mg/L = Milligrams per liter
ft = Feet
MSL = Mean sea level
<x = Not detected at reporting limit x
--- = Not analyzed or available

a = Chromatogram pattern indicates an unidentified hydrocarbon.
b = MTBE could not be quantified due to co-eluting compounds.

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
3420 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Well ID	Date	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)	EDB (µg/L)	1,2-DCA (µg/L)	Ethanol (µg/L)	DO Reading (mg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)

c = The highest recovery value for TPH has been reported, but this should be considered an estimate. Repeated analysis yielded inconsistent results.
d = Hydrocarbon does not match pattern of laboratory's standard.
e = SPH present in well measured at less than 0.01 feet. Visual inspection revealed the presence of distinct phases within the sample, indicating the possible presence of undissolved hydrocarbons.
f = The concentration reported reflects individual or discrete unidentified peaks not matching a typical fuel pattern.
g = Secondary ion abundances were outside method requirements. Identification based on analytical judgment.
h = Analyzed by EPA Method 8015B (M).
i = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
j = Analyzed outside the EPA recommended holding time.

When SPHs are present, groundwater elevation is adjusted using the equation:
Corrected Groundwater Elevation = TOC - Depth to water + (0.8 x SPH Thickness).
Resurvey of wells was performed on August 28, 1998 by Virgil Chavez Land Surveying
All wells except MW-11 surveyed February 26, 2001 by Virgil Chavez Land Surveying

APPENDIX A

BLAINE TECH SERVICES, INC. - FIELD NOTES

WELL GAUGING DATA

Project # 120706-SH1 Date 7/6/12 Client Shell

Site 3420 San Pablo Ave Oakland CA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or (TOC)	Notes
MW-6R	0755	2	Odor	—			8.96	29.67	↓	ABS sock

SHELL WELL MONITORING DATA SHEET

BTS #: 120706-SM	Site: 3420 San Pablo Ave Oakland CA
Sampler: SK	Date: 7/6/12
Well I.D.: ~~MW-6R (x)~~ MW-6R	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 29.67	Depth to Water (DTW): 8.96
Depth to Free Product: no product detected	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
No product detected						
Remove 1 Sock from well						Total weight: ~~0.586 (x)~~ 0.27 kg (0.58 lbs)
Installed 1 new Sock in well						Total weight: 0.15 kg (0.32 lbs)

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

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

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

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

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

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

INCIDENT # 10995148

DATE: 7/6/12

ADDRESS 3420 San Pablo Ave

CITY & STATE ~~San Jose~~ Oakland CA

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-6R	Standpipe	(Flush)	(G)	P	Size (inch) 12	(Y)	N	(G)	R	(G)	R	NL	(G)	P		Y	(N)	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	

TOTAL # CAPS REPLACED = 0 | 0 = 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
1	(Y)	N	N/A	(Y)	N	N/A	(G)	P	N/A	(Y)	N	(Y)	N	N/A	SPA sock BTS	Y	N	

G = Good (Acceptable) R = Replaced

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

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

* = 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).

Ken Sim BTS

Print or type Name of Field Personnel & Consultant Company

WELL GAUGING DATA

Project # 121017-MM1 Date 10-17-12 Client Shell

Site 3420 San Pablo Ave Oakland, CA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1	0900	4					7.40	24.50		
MW-2	0924	4					7.78	19.25		
MW-3R	0835	2					10.00	29.24		
MW-4	0842	4					9.40	19.20		
MW-5	0917	4					8.61	24.74		
MW-6R	0930	2	ODOR	NO PRODUCT DETECTED	—	—	9.94	29.45		
MW-7	0920	4	ODOR				3.60	10.42		
MW-9	1045	4					7.50	19.58		
MW-10	1125	4					8.06	18.80		
MW-11	0956	4					8.75	18.80	↓	
MW-4	0857	4					9.43	19.20		
MW-1	0915	4					7.37	24.50		
	* CAR PARKED OVER WELL MW-2 ONLY ABLE TO GAUGE, INACCESSIBLE TO PURGE AND SAMPLE									

SHELL WELL MONITORING DATA SHEET

BTS #: 121017-MM1	Site: 3420 San Pablo Ave Oakland, CA
Sampler: MM	Date: 10-17-12
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 24.50	Depth to Water (DTW): 7.40
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]: 10.82	

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: ____

11 (Gals.) X	3	=	33 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1257	74.4	7.01	484.1	63	11	
1258	WELL	DEWATERED AT	13 GAL			
1413	72.0	7.31	481.1	7	GRAB	

Did well dewater? (Yes) No Gallons actually evacuated: 13

Sampling Date: 10-17-12 Sampling Time: 1413 Depth to Water: 10.20

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 #: 121017-MM1	Site: 3420 San Pablo Ave., Oakland
Sampler: MM	Date: 10-17-12
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 19.25	Depth to Water (DTW): 7.78
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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
	- UNABLE TO PURGE AND SAMPLE DUE TO					
		CAR	PARKED	OVER	WELL	
		- WELL	ONLY	ABLE	TO BE	GAUGED
			NO	SAMPLE	TAKEN	

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 #: 121017-MM1	Site: 3420 San Pablo Ave Oakland, CA
Sampler: MM	Date: 10-17-12
Well I.D.: MW-3R	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 29.24	Depth to Water (DTW): 10.00
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.84	

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 (Gals.) X	3	=	9 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1227	75.4	7.45	600.3	>1000	3	
1230	72.5	6.81	526.8	>1000	6	
1233	71.1	6.72	544.4	>1000	9	

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

Sampling Date: 10-17-12 Sampling Time: 1234 Depth to Water: 13.80

Sample I.D.: MW-3R 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 #: 121017-MM1	Site: 3420 San Pablo Ave Oakland, CA
Sampler: MM	Date: 10-17-12
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 19.20	Depth to Water (DTW): 9.40
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]: 11.36	

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:_____

6.4 (Gals.) X 3 = 19.2 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1247	75.8	6.72	890.4	97	6.4	
	WELL	DEWATERED	AT 7	GAL		
1325	74.9	6.80	910.2	42	GRAB	

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

Sampling Date: 10-17-12 Sampling Time: 1325 Depth to Water: 10.30

Sample I.D.: MW-4 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 #: 121017-MM1	Site: 3420 San Pablo Ave Oakland, CA
Sampler: MM	Date: 10-17-12
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 24.74	Depth to Water (DTW): 8.61
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.83	

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

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

10.5 (Gals.) X 3 = 31.5 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 (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1308	69.7	6.90	482.6	49	10.5	
1311	68.9	6.59	503.7	139	21	
1311	WELL DEWATERED AT		21 GAL			
1511	67.6	6.65	573.4	74	GRAB	

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

Sampling Date: 10-17-12 Sampling Time: 1511 Depth to Water: 18.45 (2 HR)

Sample I.D.: MW-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 #: 121017-MM1	Site: 3420 San Pablo Ave Oakland, CA
Sampler: MM	Date: 10-17-12
Well I.D.: MW-6R	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 29.45	Depth to Water (DTW): 9.94
Depth to Free Product: NO PRODUCT DETECTED	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.84	

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

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

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

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
• NO PRODUCT DETECTED						
• REMOVED 1 SOCK FROM WELL. TOTAL WEIGHT:					0.41 Kg	(0.90 lbs)
• INSTALLED 1 NEW SOCK IN WELL TOTAL WEIGHT:					0.16 Kg	(0.34 lbs)

Did well dewater? Yes No		Gallons actually evacuated:	
Sampling Date:	Sampling Time:	Depth to Water:	
Sample I.D.:		Laboratory: Test America Other ____	
Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:			
EB I.D. (if applicable):	@ Time	Duplicate I.D. (if applicable):	
Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:			
D.O. (if req'd): Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 121017-MM1	Site: 3420 San Pablo Ave Oakland, CA
Sampler: MM	Date: 10-17-12
Well I.D.: MW-6R	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 29.45	Depth to Water (DTW): 9.94
Depth to Free Product: NO PRODUCT DETECTED	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.84	

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:_____

3.1 (Gals.) X	3	=	9.3 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
1350	68.8	6.59	986.4	>1000	3.1	
1353	68.6	6.59	1036	>1000	6.2	
1356	68.5	6.61	1050	>1000	9.3	

Did well dewater? Yes (No) Gallons actually evacuated: 9.5

Sampling Date: 10-17-12 Sampling Time: 1400 Depth to Water: 13.50

Sample I.D.: MW-6R 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 #: 121017-MM1	Site: 3420 San Pablo Ave Oakland, CA
Sampler: MM	Date: 10-17-12
Well I.D.: MW-7	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 10.42	Depth to Water (DTW): 3.60
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 4.96	

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: _____

4.4 (Gals.) X	3	=	13.2 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1320	69.2	6.72	852.7	63	4.5	
1321	69.1	6.74	872.6	49	9	
1322	69.1	6.73	877.8	38	13.2	

Did well dewater? Yes (No) Gallons actually evacuated: 13.5

Sampling Date: 10-17-12 Sampling Time: 1522 Depth to Water: 12.35 (2 HR)

Sample I.D.: MW-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

SHELL WELL MONITORING DATA SHEET

BTS #: 121017-MM1	Site: 3420 San Pablo Ave Oakland, CA
Sampler: MM	Date: 10-17-12
Well I.D.: MW-9	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 19.58	Depth to Water (DTW): 7.50
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.91	

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: ____

7.9 (Gals.) X	3	= 23.7 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1047	69.4	6.54	844.8	216	7.9	
1049	71.3	6.52	820.7	76	15.8	
1050	WELL	DEWATERED AT	16 GAL			
1210	69.7	6.72	829.5	320	GRAB	

Did well dewater? (Yes) No Gallons actually evacuated: 16

Sampling Date: 10-17-12 Sampling Time: 1210 Depth to Water: 9.62

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 #: 121017-MM1	Site: 3420 San Pablo Ave Oakland, CA
Sampler: MM	Date: 10-17-12
Well I.D.: MW-10	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 18.80	Depth to Water (DTW): 8.06
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.20	

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:_____

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

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1129	67.8	6.96	947.5	126	7	
1130	WELL	DEWATERED AT	12 GAL			
1330	67.3	7.09	985.6	34	GRAB	
				7		

Did well dewater? (Yes) No Gallons actually evacuated: 12

Sampling Date: 10-17-12 Sampling Time: 1330 Depth to Water: 11.09 (2 HRS)

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 #: 12107-MM1	Site: 3420 San Pablo Ave Oakland, CA
Sampler: MM	Date: 10-17-12
Well I.D.: MW-11	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 18.80	Depth to Water (DTW): 8.75
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.76	

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: _____

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

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1004	70.1	6.79	1395	>1000	6.5	
1005	WELL DEWATERED AT 11 GAL				1.5 (MM)	
1035	67.3	6.76	941.1	466	GRAB	

Did well dewater? (Yes) No Gallons actually evacuated: 11

Sampling Date: 10-17-12 Sampling Time: 1035 Depth to Water: 10.62

Sample I.D.: MW-11 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

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, AND SITE INSPECTION FORM

INCIDENT # 98995748

ADDRESS 3420 San Pablo Ave

DATE: 10-17-12

CITY & STATE Oakland CA

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) 12	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-2	Standpipe	Flush	G	P	Size (inch) 12	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-3R	Standpipe	Flush	G	P	Size (inch) 12	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-4	Standpipe	Flush	G	P	Size (inch) 12	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-5	Standpipe	Flush	G	P	Size (inch) 12	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-6R	Standpipe	Flush	G	P	Size (inch) 12	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-7	Standpipe	Flush	G	P	Size (inch) 12	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) 12	Y	N	G	R	G	R	NL	G	P	1/2 tabs stripped	Y	N	
MW-11	Standpipe	Flush	G	P	Size (inch) 8	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	

TOTAL # CAPS REPLACED = 0 | 0 = TOTAL # OF LOCKS REPLACED

Condition of Spill Boring Patches or Abandoned Monitoring Wells:	G	P	N/A	If POOR, Borings/Well IDs or Location Description:		Y	N	
	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	✓	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
1	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).

Mark McCulloch Blaine Tech Services

Print or type Name of Field Personnel & Consultant Company

WELL GAUGING DATA

Project # 121107-GR2 Date 11/07/2012 Client Shell

Site 3420 San Pablo Ave, Oakland, CA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or (TOC)	Notes
MW-2	1345	4					7.26	19.21	↓	

SHELL WELL MONITORING DATA SHEET

BTS #: 121107-GR1	Site: 98995748
Sampler: GR	Date: 11/07/2012
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 19.26	Depth to Water (DTW): 7.26
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.65	

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: _____

7.8 (Gals.) X	3	=	23.4 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1400	66.9	6.65	1071	28	8.0	
1400		well	dewatered	@	8.5	DTW - 16.02
1420	65.1	6.89	1195	21	Grab	

Did well dewater? (Yes) No Gallons actually evacuated: 8.5

Sampling Date: 11/07/2012 Sampling Time: 1420 Depth to Water: 9.59 (Shortwall)

Sample I.D.: MW-2 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 # 70775148

DATE: 11/09/2012

ADDRESS 3420 San Pablo Ave

CITY & STATE Oakland CA

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-2	Standpipe	(Flush)	(G)	P	Size (inch) 12	(Y)	N	(G)	R	(G)	R	NL	(G)	P		Y	(N)	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	

TOTAL # CAPS REPLACED = 0 | 0 = TOTAL # OF LOCKS REPLACED

Condition of Soil Boring Patches or Abandoned Monitoring Wells			If POOR, Borings/Well IDs or Location Description	Photos		Repair Date
(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
1	(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

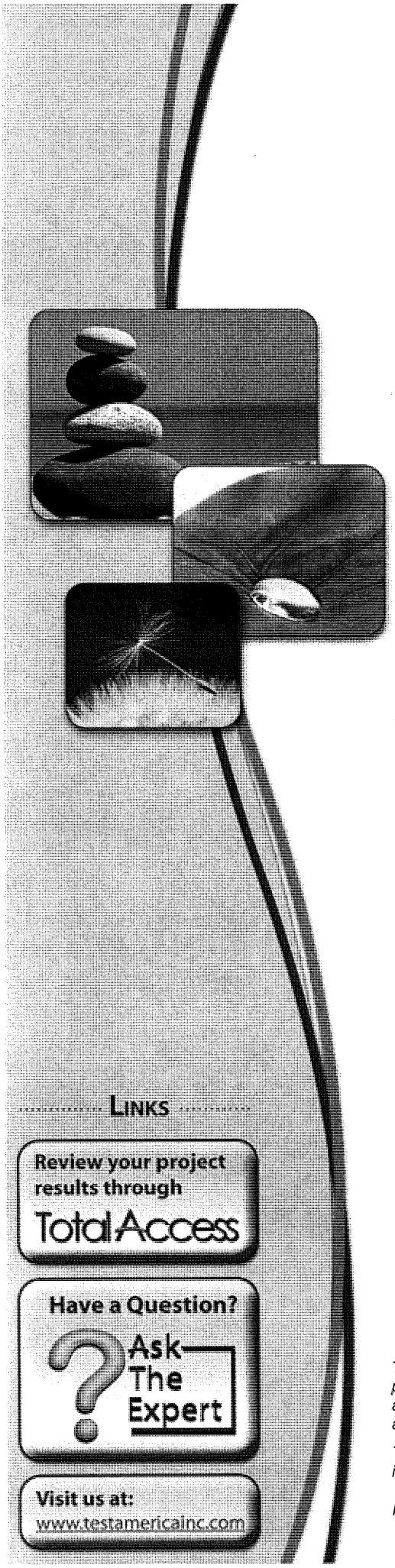
All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above).

Gregory Roberts, Blaine Tech

Print or type Name of Field Personnel & Consultant Company

APPENDIX B

TESTAMERICA LABORATORIES, INC. - ANALYTICAL REPORTS



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

TestAmerica Job ID: 440-27285-1
Client Project/Site: 3420 San Pablo Ave., Oakland, CA

For:
Conestoga-Rovers & Associates, Inc.
5900 Hollis Street
Suite A
Emeryville, California 94608

Attn: Peter Schaefer

Philip Sanelle

Authorized for release by:
10/26/2012 2:41:46 PM

Philip Sanelle
Project Manager I
philip.sanelle@testamericainc.com

Table of Contents

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 3420 San Pablo Ave., Oakland, CA

TestAmerica Job ID: 440-27285-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-27285-1	MW-1	Water	10/17/12 14:13	10/22/12 11:30
440-27285-2	MW-3R	Water	10/17/12 12:34	10/22/12 11:30
440-27285-3	MW-4	Water	10/17/12 13:25	10/22/12 11:30
440-27285-4	MW-5	Water	10/17/12 15:11	10/22/12 11:30
440-27285-5	MW-6R	Water	10/17/12 14:00	10/22/12 11:30
440-27285-6	MW-7	Water	10/17/12 15:22	10/22/12 11:30
440-27285-7	MW-9	Water	10/17/12 12:10	10/22/12 11:30
440-27285-8	MW-10	Water	10/17/12 13:30	10/22/12 11:30
440-27285-9	MW-11	Water	10/17/12 10:35	10/22/12 11:30

Job ID: 440-27285-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-27285-1

Comments
No additional comments.

Receipt
The samples were received on 10/22/2012 11:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.7° C.

GC/MS VOA
No analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

Client Sample ID: MW-1

Lab Sample ID: 440-27285-1

Date Collected: 10/17/12 14:13
Date Received: 10/22/12 11:30

Matrix: Water

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	460		50		ug/L			10/23/12 22:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*89*		*80 - 120*		*10/23/12 22:59*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*10/23/12 22:59*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/23/12 22:59*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**4.9**		0.50		ug/L			10/23/12 22:59	1
Ethylbenzene	ND		0.50		ug/L			10/23/12 22:59	1
Methyl-t-Butyl Ether (MTBE)	**13**		0.50		ug/L			10/23/12 22:59	1
Toluene	ND		0.50		ug/L			10/23/12 22:59	1
Xylenes, Total	ND		1.0		ug/L			10/23/12 22:59	1
1,2-Dichloroethane	ND		0.50		ug/L			10/23/12 22:59	1
1,2-Dibromoethane (EDB)	ND		0.50		ug/L			10/23/12 22:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*10/23/12 22:59*	*1*
Dibromofluoromethane (Surr)	*89*		*80 - 120*		*10/23/12 22:59*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/23/12 22:59*	*1*

Client Sample ID: MW-3R

Lab Sample ID: 440-27285-2

Date Collected: 10/17/12 12:34
Date Received: 10/22/12 11:30

Matrix: Water

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			10/24/12 00:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*91*		*80 - 120*		*10/24/12 00:35*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*10/24/12 00:35*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/24/12 00:35*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			10/24/12 00:35	1
Ethylbenzene	ND		0.50		ug/L			10/24/12 00:35	1
Methyl-t-Butyl Ether (MTBE)	**4.8**		0.50		ug/L			10/24/12 00:35	1
Toluene	ND		0.50		ug/L			10/24/12 00:35	1
Xylenes, Total	ND		1.0		ug/L			10/24/12 00:35	1
1,2-Dichloroethane	ND		0.50		ug/L			10/24/12 00:35	1
1,2-Dibromoethane (EDB)	ND		0.50		ug/L			10/24/12 00:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*10/24/12 00:35*	*1*
Dibromofluoromethane (Surr)	*91*		*80 - 120*		*10/24/12 00:35*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/24/12 00:35*	*1*

Client Sample ID: MW-4

Lab Sample ID: 440-27285-3

Date Collected: 10/17/12 13:25

Matrix: Water

Date Received: 10/22/12 11:30

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	2200		50		ug/L			10/24/12 01:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*87*		*80 - 120*		*10/24/12 01:06*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/24/12 01:06*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/24/12 01:06*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.51		0.50		ug/L			10/24/12 01:06	1
Ethylbenzene	0.91		0.50		ug/L			10/24/12 01:06	1
Methyl-t-Butyl Ether (MTBE)	43		0.50		ug/L			10/24/12 01:06	1
Toluene	0.59		0.50		ug/L			10/24/12 01:06	1
Xylenes, Total	ND		1.0		ug/L			10/24/12 01:06	1
1,2-Dichloroethane	ND		0.50		ug/L			10/24/12 01:06	1
1,2-Dibromoethane (EDB)	ND		0.50		ug/L			10/24/12 01:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/24/12 01:06*	*1*
Dibromofluoromethane (Surr)	*87*		*80 - 120*		*10/24/12 01:06*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/24/12 01:06*	*1*

Client Sample ID: MW-5

Lab Sample ID: 440-27285-4

Date Collected: 10/17/12 15:11

Matrix: Water

Date Received: 10/22/12 11:30

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	1100		50		ug/L			10/24/12 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*10/24/12 16:14*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*10/24/12 16:14*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/24/12 16:14*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			10/24/12 16:14	1
Ethylbenzene	ND		0.50		ug/L			10/24/12 16:14	1
Methyl-t-Butyl Ether (MTBE)	15		0.50		ug/L			10/24/12 16:14	1
Toluene	ND		0.50		ug/L			10/24/12 16:14	1
Xylenes, Total	ND		1.0		ug/L			10/24/12 16:14	1
1,2-Dichloroethane	ND		0.50		ug/L			10/24/12 16:14	1
1,2-Dibromoethane (EDB)	ND		0.50		ug/L			10/24/12 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*10/24/12 16:14*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*10/24/12 16:14*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/24/12 16:14*	*1*

Client Sample ID: MW-6R

Lab Sample ID: 440-27285-5

Date Collected: 10/17/12 14:00
Date Received: 10/22/12 11:30

Matrix: Water

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	14000		500		ug/L			10/24/12 02:06	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*91*		*80 - 120*		*10/24/12 02:06*	*10*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*10/24/12 02:06*	*10*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/24/12 02:06*	*10*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	540		5.0		ug/L			10/24/12 02:06	10
Ethylbenzene	57		5.0		ug/L			10/24/12 02:06	10
Methyl-t-Butyl Ether (MTBE)	80		5.0		ug/L			10/24/12 02:06	10
Toluene	ND		5.0		ug/L			10/24/12 02:06	10
Xylenes, Total	15		10		ug/L			10/24/12 02:06	10
1,2-Dichloroethane	ND		5.0		ug/L			10/24/12 02:06	10
1,2-Dibromoethane (EDB)	ND		5.0		ug/L			10/24/12 02:06	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*10/24/12 02:06*	*10*
Dibromofluoromethane (Surr)	*91*		*80 - 120*		*10/24/12 02:06*	*10*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/24/12 02:06*	*10*

Client Sample ID: MW-7

Lab Sample ID: 440-27285-6

Date Collected: 10/17/12 15:22
Date Received: 10/22/12 11:30

Matrix: Water

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	6500		100		ug/L			10/25/12 05:57	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*10/25/12 05:57*	*2*
4-Bromofluorobenzene (Surr)	*110*		*80 - 120*		*10/25/12 05:57*	*2*
Toluene-d8 (Surr)	*110*		*80 - 120*		*10/25/12 05:57*	*2*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	11		0.50		ug/L			10/24/12 16:44	1
Ethylbenzene	1.1		0.50		ug/L			10/24/12 16:44	1
Methyl-t-Butyl Ether (MTBE)	6.2		0.50		ug/L			10/24/12 16:44	1
Toluene	0.76		0.50		ug/L			10/24/12 16:44	1
Xylenes, Total	ND		1.0		ug/L			10/24/12 16:44	1
1,2-Dichloroethane	ND		0.50		ug/L			10/24/12 16:44	1
1,2-Dibromoethane (EDB)	0.60		0.50		ug/L			10/24/12 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*10/24/12 16:44*	*1*
Dibromofluoromethane (Surr)	*92*		*80 - 120*		*10/24/12 16:44*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*10/24/12 16:44*	*1*

Client Sample ID: MW-9

Lab Sample ID: 440-27285-7

Date Collected: 10/17/12 12:10
Date Received: 10/22/12 11:30

Matrix: Water

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	**51**		50		ug/L			10/24/12 03:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*93*		*80 - 120*		*10/24/12 03:07*	*1*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*		*10/24/12 03:07*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/24/12 03:07*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			10/24/12 03:07	1
Ethylbenzene	ND		0.50		ug/L			10/24/12 03:07	1
Methyl-t-Butyl Ether (MTBE)	**5.6**		0.50		ug/L			10/24/12 03:07	1
Toluene	ND		0.50		ug/L			10/24/12 03:07	1
Xylenes, Total	ND		1.0		ug/L			10/24/12 03:07	1
1,2-Dichloroethane	ND		0.50		ug/L			10/24/12 03:07	1
1,2-Dibromoethane (EDB)	ND		0.50		ug/L			10/24/12 03:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*		*10/24/12 03:07*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 120*		*10/24/12 03:07*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/24/12 03:07*	*1*

Client Sample ID: MW-10

Lab Sample ID: 440-27285-8

Date Collected: 10/17/12 13:30
Date Received: 10/22/12 11:30

Matrix: Water

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	**2100**		50		ug/L			10/24/12 03:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*90*		*80 - 120*		*10/24/12 03:37*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*10/24/12 03:37*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*10/24/12 03:37*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			10/24/12 03:37	1
Ethylbenzene	ND		0.50		ug/L			10/24/12 03:37	1
Methyl-t-Butyl Ether (MTBE)	**4.7**		0.50		ug/L			10/24/12 03:37	1
Toluene	ND		0.50		ug/L			10/24/12 03:37	1
Xylenes, Total	ND		1.0		ug/L			10/24/12 03:37	1
1,2-Dichloroethane	ND		0.50		ug/L			10/24/12 03:37	1
1,2-Dibromoethane (EDB)	ND		0.50		ug/L			10/24/12 03:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*10/24/12 03:37*	*1*
Dibromofluoromethane (Surr)	*90*		*80 - 120*		*10/24/12 03:37*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*10/24/12 03:37*	*1*

Client Sample ID: MW-11
Date Collected: 10/17/12 10:35
Date Received: 10/22/12 11:30

Lab Sample ID: 440-27285-9
Matrix: Water

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			10/24/12 04:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*93*		*80 - 120*		*10/24/12 04:08*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*10/24/12 04:08*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/24/12 04:08*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			10/24/12 04:08	1
Ethylbenzene	ND		0.50		ug/L			10/24/12 04:08	1
Methyl-t-Butyl Ether (MTBE)	**1.1**		0.50		ug/L			10/24/12 04:08	1
Toluene	ND		0.50		ug/L			10/24/12 04:08	1
Xylenes, Total	ND		1.0		ug/L			10/24/12 04:08	1
1,2-Dichloroethane	ND		0.50		ug/L			10/24/12 04:08	1
1,2-Dibromoethane (EDB)	ND		0.50		ug/L			10/24/12 04:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*10/24/12 04:08*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 120*		*10/24/12 04:08*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/24/12 04:08*	*1*

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 3420 San Pablo Ave., Oakland, CA

TestAmerica Job ID: 440-27285-1

Client Sample ID: MW-1

Lab Sample ID: 440-27285-1

Date Collected: 10/17/12 14:13
Date Received: 10/22/12 11:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	61243	10/23/12 22:59	RM	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	61244	10/23/12 22:59	RM	TAL IRV

Client Sample ID: MW-3R

Lab Sample ID: 440-27285-2

Date Collected: 10/17/12 12:34
Date Received: 10/22/12 11:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	61243	10/24/12 00:35	RM	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	61244	10/24/12 00:35	RM	TAL IRV

Client Sample ID: MW-4

Lab Sample ID: 440-27285-3

Date Collected: 10/17/12 13:25
Date Received: 10/22/12 11:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	61243	10/24/12 01:06	RM	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	61244	10/24/12 01:06	RM	TAL IRV

Client Sample ID: MW-5

Lab Sample ID: 440-27285-4

Date Collected: 10/17/12 15:11
Date Received: 10/22/12 11:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	61309	10/24/12 16:14	WC	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	61310	10/24/12 16:14	WC	TAL IRV

Client Sample ID: MW-6R

Lab Sample ID: 440-27285-5

Date Collected: 10/17/12 14:00
Date Received: 10/22/12 11:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	10 mL	10 mL	61243	10/24/12 02:06	RM	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		10	10 mL	10 mL	61244	10/24/12 02:06	RM	TAL IRV

Client Sample ID: MW-7

Lab Sample ID: 440-27285-6

Date Collected: 10/17/12 15:22
Date Received: 10/22/12 11:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	61309	10/24/12 16:44	WC	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		2	10 mL	10 mL	61531	10/25/12 05:57	RM	TAL IRV

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 3420 San Pablo Ave., Oakland, CA

TestAmerica Job ID: 440-27285-1

Client Sample ID: MW-9

Lab Sample ID: 440-27285-7

Date Collected: 10/17/12 12:10
Matrix: Water
Date Received: 10/22/12 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	61243	10/24/12 03:07	RM	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	61244	10/24/12 03:07	RM	TAL IRV

Client Sample ID: MW-10

Lab Sample ID: 440-27285-8

Date Collected: 10/17/12 13:30
Matrix: Water
Date Received: 10/22/12 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	61243	10/24/12 03:37	RM	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	61244	10/24/12 03:37	RM	TAL IRV

Client Sample ID: MW-11

Lab Sample ID: 440-27285-9

Date Collected: 10/17/12 10:35
Matrix: Water
Date Received: 10/22/12 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	61243	10/24/12 04:08	RM	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	61244	10/24/12 04:08	RM	TAL IRV

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 440-61243/4
Matrix: Water
Analysis Batch: 61243

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			10/23/12 20:54	1
Ethylbenzene	ND		0.50		ug/L			10/23/12 20:54	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			10/23/12 20:54	1
Toluene	ND		0.50		ug/L			10/23/12 20:54	1
Xylenes, Total	ND		1.0		ug/L			10/23/12 20:54	1
1,2-Dichloroethane	ND		0.50		ug/L			10/23/12 20:54	1
1,2-Dibromoethane (EDB)	ND		0.50		ug/L			10/23/12 20:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*10/23/12 20:54*	*1*
Dibromofluoromethane (Surr)	*89*		*80 - 120*		*10/23/12 20:54*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/23/12 20:54*	*1*

Lab Sample ID: LCS 440-61243/5
Matrix: Water
Analysis Batch: 61243

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	21.8		ug/L		87	70 - 120
Ethylbenzene	25.0	23.1		ug/L		92	75 - 125
m,p-Xylene	50.0	44.6		ug/L		89	75 - 125
Methyl-t-Butyl Ether (MTBE)	25.0	19.4		ug/L		77	60 - 135
o-Xylene	25.0	22.1		ug/L		88	75 - 125
Toluene	25.0	24.0		ug/L		96	70 - 120
1,2-Dichloroethane	25.0	24.0		ug/L		96	60 - 140
1,2-Dibromoethane (EDB)	25.0	24.7		ug/L		99	75 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*
Dibromofluoromethane (Surr)	*95*		*80 - 120*
Toluene-d8 (Surr)	*104*		*80 - 120*

Lab Sample ID: 440-27285-1 MS
Matrix: Water
Analysis Batch: 61243

Client Sample ID: MW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	4.9		25.0	27.4		ug/L		90	65 - 125
Ethylbenzene	ND		25.0	24.3		ug/L		96	65 - 130
m,p-Xylene	ND		50.0	47.1		ug/L		94	65 - 130
Methyl-t-Butyl Ether (MTBE)	13		25.0	32.2		ug/L		77	55 - 145
o-Xylene	ND		25.0	22.9		ug/L		92	65 - 125
Toluene	ND		25.0	25.8		ug/L		103	70 - 125
1,2-Dichloroethane	ND		25.0	22.7		ug/L		91	60 - 140
1,2-Dibromoethane (EDB)	ND		25.0	24.4		ug/L		98	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-27285-1 MS
Matrix: Water
Analysis Batch: 61243

Client Sample ID: MW-1
Prep Type: Total/NA

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*92*		*80 - 120*
Toluene-d8 (Surr)	*105*		*80 - 120*

Lab Sample ID: 440-27285-1 MSD
Matrix: Water
Analysis Batch: 61243

Client Sample ID: MW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	4.9		25.0	28.7		ug/L		95	65 - 125	5	20
Ethylbenzene	ND		25.0	24.8		ug/L		98	65 - 130	2	20
m,p-Xylene	ND		50.0	48.0		ug/L		96	65 - 130	2	25
Methyl-t-Butyl Ether (MTBE)	13		25.0	36.7		ug/L		95	55 - 145	13	25
o-Xylene	ND		25.0	23.4		ug/L		94	65 - 125	2	20
Toluene	ND		25.0	26.8		ug/L		107	70 - 125	4	20
1,2-Dichloroethane	ND		25.0	24.4		ug/L		98	60 - 140	8	20
1,2-Dibromoethane (EDB)	ND		25.0	26.1		ug/L		104	70 - 130	7	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*
Dibromofluoromethane (Surr)	*97*		*80 - 120*
Toluene-d8 (Surr)	*104*		*80 - 120*

Lab Sample ID: MB 440-61309/4
Matrix: Water
Analysis Batch: 61309

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			10/24/12 08:39	1
Ethylbenzene	ND		0.50		ug/L			10/24/12 08:39	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			10/24/12 08:39	1
Toluene	ND		0.50		ug/L			10/24/12 08:39	1
Xylenes, Total	ND		1.0		ug/L			10/24/12 08:39	1
1,2-Dichloroethane	ND		0.50		ug/L			10/24/12 08:39	1
1,2-Dibromoethane (EDB)	ND		0.50		ug/L			10/24/12 08:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*10/24/12 08:39*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*10/24/12 08:39*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*10/24/12 08:39*	*1*

Lab Sample ID: LCS 440-61309/5
Matrix: Water
Analysis Batch: 61309

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	22.5		ug/L		90	70 - 120
Ethylbenzene	25.0	22.8		ug/L		91	75 - 125
m,p-Xylene	50.0	43.4		ug/L		87	75 - 125
Methyl-t-Butyl Ether (MTBE)	25.0	20.9		ug/L		84	60 - 135

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-61309/5
Matrix: Water
Analysis Batch: 61309

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
o-Xylene	25.0	21.7		ug/L		87	75 - 125
Toluene	25.0	24.9		ug/L		100	70 - 120
1,2-Dichloroethane	25.0	24.9		ug/L		99	60 - 140
1,2-Dibromoethane (EDB)	25.0	24.5		ug/L		98	75 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*107*		*80 - 120*

Lab Sample ID: 440-26805-B-10 MS
Matrix: Water
Analysis Batch: 61309

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	230		125	339		ug/L		91	65 - 125
Ethylbenzene	11		125	133		ug/L		97	65 - 130
m,p-Xylene	38		250	274		ug/L		95	65 - 130
Methyl-t-Butyl Ether (MTBE)	ND		125	101		ug/L		81	55 - 145
o-Xylene	10		125	126		ug/L		92	65 - 125
Toluene	110		125	237		ug/L		98	70 - 125
1,2-Dichloroethane	ND		125	112		ug/L		90	60 - 140
1,2-Dibromoethane (EDB)	ND		125	128		ug/L		103	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*
Dibromofluoromethane (Surr)	*88*		*80 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: 440-26805-B-10 MSD
Matrix: Water
Analysis Batch: 61309

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	230		125	337		ug/L		89	65 - 125	1	20
Ethylbenzene	11		125	136		ug/L		100	65 - 130	2	20
m,p-Xylene	38		250	283		ug/L		98	65 - 130	3	25
Methyl-t-Butyl Ether (MTBE)	ND		125	106		ug/L		85	55 - 145	5	25
o-Xylene	10		125	133		ug/L		98	65 - 125	6	20
Toluene	110		125	240		ug/L		101	70 - 125	2	20
1,2-Dichloroethane	ND		125	118		ug/L		95	60 - 140	5	20
1,2-Dibromoethane (EDB)	ND		125	132		ug/L		106	70 - 130	3	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*
Dibromofluoromethane (Surr)	*92*		*80 - 120*
Toluene-d8 (Surr)	*105*		*80 - 120*

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 440-61244/4
Matrix: Water
Analysis Batch: 61244

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			10/23/12 20:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*89*		*80 - 120*		*10/23/12 20:54*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*10/23/12 20:54*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/23/12 20:54*	*1*

Lab Sample ID: LCS 440-61244/6
Matrix: Water
Analysis Batch: 61244

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Volatile Fuel Hydrocarbons (C4-C12)	500	494		ug/L		99	55 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*94*		*80 - 120*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*
Toluene-d8 (Surr)	*104*		*80 - 120*

Lab Sample ID: 440-27285-1 MS
Matrix: Water
Analysis Batch: 61244

Client Sample ID: MW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Volatile Fuel Hydrocarbons (C4-C12)	460		1730	1630		ug/L		68	50 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*92*		*80 - 120*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*
Toluene-d8 (Surr)	*105*		*80 - 120*

Lab Sample ID: 440-27285-1 MSD
Matrix: Water
Analysis Batch: 61244

Client Sample ID: MW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Volatile Fuel Hydrocarbons (C4-C12)	460		1730	1770		ug/L		76	50 - 145	8	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*
Toluene-d8 (Surr)	*104*		*80 - 120*

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 440-61310/4
Matrix: Water
Analysis Batch: 61310

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			10/24/12 08:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*10/24/12 08:39*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*10/24/12 08:39*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*10/24/12 08:39*	*1*

Lab Sample ID: LCS 440-61310/6
Matrix: Water
Analysis Batch: 61310

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Volatile Fuel Hydrocarbons (C4-C12)	500	497		ug/L		99	55 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*
Toluene-d8 (Surr)	*107*		*80 - 120*

Lab Sample ID: 440-26805-B-10 MS
Matrix: Water
Analysis Batch: 61310

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Volatile Fuel Hydrocarbons (C4-C12)	7100		8630	14000		ug/L		80	50 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*88*		*80 - 120*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: 440-26805-B-10 MSD
Matrix: Water
Analysis Batch: 61310

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Volatile Fuel Hydrocarbons (C4-C12)	7100		8630	13800		ug/L		77	50 - 145	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*92*		*80 - 120*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*
Toluene-d8 (Surr)	*105*		*80 - 120*

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 440-61531/4
Matrix: Water
Analysis Batch: 61531

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			10/24/12 21:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*10/24/12 21:12*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*10/24/12 21:12*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*10/24/12 21:12*	*1*

Lab Sample ID: LCS 440-61531/6
Matrix: Water
Analysis Batch: 61531

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Volatile Fuel Hydrocarbons (C4-C12)	500	467		ug/L		93	55 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*
Toluene-d8 (Surr)	*110*		*80 - 120*

Lab Sample ID: 440-26851-B-1 MS
Matrix: Water
Analysis Batch: 61531

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Volatile Fuel Hydrocarbons (C4-C12)	ND		1730	1100		ug/L		64	50 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*107*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Toluene-d8 (Surr)	*109*		*80 - 120*

Lab Sample ID: 440-26851-B-1 MSD
Matrix: Water
Analysis Batch: 61531

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Volatile Fuel Hydrocarbons (C4-C12)	ND		1730	1150		ug/L		67	50 - 145	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*108*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*
Toluene-d8 (Surr)	*108*		*80 - 120*

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 3420 San Pablo Ave., Oakland, CA

TestAmerica Job ID: 440-27285-1

GC/MS VOA

Analysis Batch: 61243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-27285-1	MW-1	Total/NA	Water	8260B	
440-27285-1 MS	MW-1	Total/NA	Water	8260B	
440-27285-1 MSD	MW-1	Total/NA	Water	8260B	
440-27285-2	MW-3R	Total/NA	Water	8260B	
440-27285-3	MW-4	Total/NA	Water	8260B	
440-27285-5	MW-6R	Total/NA	Water	8260B	
440-27285-7	MW-9	Total/NA	Water	8260B	
440-27285-8	MW-10	Total/NA	Water	8260B	
440-27285-9	MW-11	Total/NA	Water	8260B	
LCS 440-61243/5	Lab Control Sample	Total/NA	Water	8260B	
MB 440-61243/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 61244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-27285-1	MW-1	Total/NA	Water	8260B/CA_LUFT MS	
440-27285-1 MS	MW-1	Total/NA	Water	8260B/CA_LUFT MS	
440-27285-1 MSD	MW-1	Total/NA	Water	8260B/CA_LUFT MS	
440-27285-2	MW-3R	Total/NA	Water	8260B/CA_LUFT MS	
440-27285-3	MW-4	Total/NA	Water	8260B/CA_LUFT MS	
440-27285-5	MW-6R	Total/NA	Water	8260B/CA_LUFT MS	
440-27285-7	MW-9	Total/NA	Water	8260B/CA_LUFT MS	
440-27285-8	MW-10	Total/NA	Water	8260B/CA_LUFT MS	
440-27285-9	MW-11	Total/NA	Water	8260B/CA_LUFT MS	
LCS 440-61244/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
MB 440-61244/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 61309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-26805-B-10 MS	Matrix Spike	Total/NA	Water	8260B	
440-26805-B-10 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
440-27285-4	MW-5	Total/NA	Water	8260B	
440-27285-6	MW-7	Total/NA	Water	8260B	
LCS 440-61309/5	Lab Control Sample	Total/NA	Water	8260B	
MB 440-61309/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 61310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-26805-B-10 MS	Matrix Spike	Total/NA	Water	8260B/CA_LUFT MS	
440-26805-B-10 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B/CA_LUFT MS	
440-27285-4	MW-5	Total/NA	Water	8260B/CA_LUFT MS	
LCS 440-61310/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	

GC/MS VOA (Continued)

Analysis Batch: 61310 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 440-61310/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 61531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-26851-B-1 MS	Matrix Spike	Total/NA	Water	8260B/CA_LUFT MS	
440-26851-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B/CA_LUFT MS	
440-27285-6	MW-7	Total/NA	Water	8260B/CA_LUFT MS	
LCS 440-61531/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
MB 440-61531/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 3420 San Pablo Ave., Oakland, CA

TestAmerica Job ID: 440-27285-1

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	LA Cty Sanitation Districts	9	10256	01-31-13
California	NELAC	9	1108CA	01-31-13
California	State Program	9	2706	06-30-14
Guam	State Program	9	Cert. No. 12.002r	01-23-13
Hawaii	State Program	9	N/A	01-31-13
Nevada	State Program	9	CA015312007A	07-31-13
New Mexico	State Program	6	N/A	01-31-13
Northern Mariana Islands	State Program	9	MP0002	01-31-13
Oregon	NELAC	10	4005	09-12-13
USDA	Federal		P330-09-00080	06-06-14
USEPA UCMR	Federal	1	CA01531	01-31-13

141686

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)

- ☐ CALSCIENCE ( )
- ☐ SPL Houston ( )
- ☐ 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: 240554 Peter Schaefer

PO #

INCIDENT # (ENV SERVICES): 9 8 9 9 5 7 4 8

☐ CHECK IF NO INCIDENT # APPLIES

SAP #: 1 3 9 6 1 9

DATE: 10-17-12

PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services

LOG CODE: BTSS

ADDRESS: 1680 Rogers Avenue, San Jose, CA

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

TELEPHONE: (310) 885-4455 x 108

FAX: (310) 637-5802

E-MAIL: lking@blainetech.com

SITE ADDRESS: Street and City: 3420 San Pablo Ave., Oakland

State: CA

GLOBAL ID NO.: T0600101253

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

PHONE NO.: 510-420-3343

E-MAIL: ShellEDF@CRAWorld.com Shell-US-LabDataManagement@CRAworld.com

CONSULTANT PROJECT NO.: 240554-95-12.01

SAMPLER NAME(S) (Print): Mark McCulloch

LAB USE ONLY: 440-27285

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:

1) Please upload the "CRA EQuIS 4-file EDD" to the CRA Website (http://cralabedduplaod.craworld.com/equis/default.aspx) and/or send it to the Shell-US-LabDataManagement@CRAworld.com email folder. 2) Please indicate that you have uploaded the EDD by including "EDD Uploaded to CRA website" in the body of the email used to deliver the final PDF report to the Shell-US-LabDataManagement@CRAworld.com email folder.

Copy final report to Shell.Lab.Billing@craworld.com, ShellEDF@craworld.com,Shell-US-LabDataManagement@CRAworld.com, and pschaefer@CRAWorld.com

Email invoice to Shell.Lab.Billing@craworld.com

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

Matrix Codes - WG (groundwater), WS (surface water), WP (drinking water source), W (Trip or Temp Blank)

TEMPERATURE ON RECEIPT: 2.1°

REQUESTED ANALYSIS

LAB USE ONLY		PROJECT NUMBER	DATE (MMDDYY)	SAMPLER INITIALS	WELL ID	TIME	MATRIX	HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-GRO, Purgeable (8260B)	TPH-DRO, Extractable (8015M)	BTEX (8260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B)	BTEX + 5 OXYs (MTBE, TBA, DIPE, TAME, ETBE) 8260B	VOCs Full list (8260B)	Single Compound: (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015B)	Container PID Readings or Laboratory Notes
	WG	121017-MM1	101712	MM	MW-1	1413	WG	X					3	X			X					X	X			
					MW-3R	1234		X					3	X			X					X	X			
					MW-4	1325		X					3	X			X					X	X			
					MW-5	1511		X					3	X			X					X	X			
					MW-6R	1400		X					3	X			X					X	X			
					MW-7	1522		X					3	X			X					X	X			
					MW-9	1210		X					3	X			X					X	X			
					MW-10	1330		X					3	X			X					X	X			
		↓	↓	↓	MW-11	1035	↓	X					3	X			X					X	X			

Relinquished by: (Signature)		Received by: (Signature)	Date:	Time:
[signature]		[signature] (Sample Custodian)	10-17-12	1645
[signature] (CSC)	1010	[signature] (TASF)	10/19/12	1010
[signature]		[signature]	10/19/12	1020

[signature] TAST 10/19/12 1700 [signature] 10/20/12 1130

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10/26/2012

Login Sample Receipt Checklist

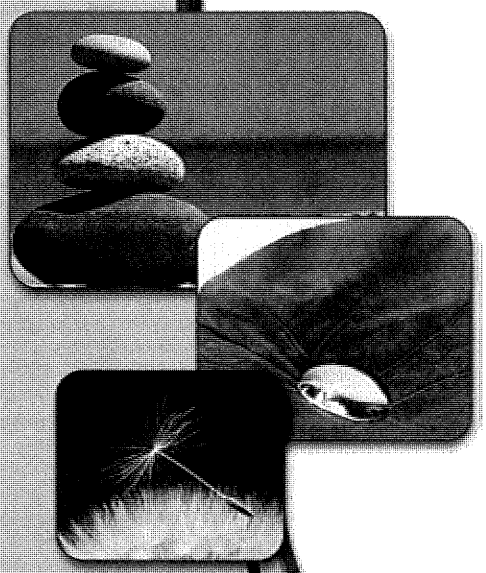
Client: Conestoga-Rovers & Associates, Inc.

Job Number: 440-27285-1

Login Number: 27285
List Number: 1
Creator: Escalante, Maria

List Source: TestAmerica Irvine

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	MARK MCCOLLOCH
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

TestAmerica Job ID: 440-29308-1
Client Project/Site: 3420 San Pablo Ave., Oakland, CA

For:
Conestoga-Rovers & Associates, Inc.
5900 Hollis Street
Suite A
Emeryville, California 94608

Attn: Peter Schaefer

Philip Sanelle

Authorized for release by:
11/27/2012 4:24:41 PM

Philip Sanelle
Project Manager I
philip.sanelle@testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 3420 San Pablo Ave., Oakland, CA

TestAmerica Job ID: 440-29308-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-29308-1	MW-2	Water	11/07/12 14:20	11/09/12 10:00

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 3420 San Pablo Ave., Oakland, CA

TestAmerica Job ID: 440-29308-1

Job ID: 440-29308-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-29308-1

Comments
No additional comments.

Receipt
The samples were received on 11/9/2012 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 5 coolers at receipt time were 3.0° C, 3.2° C, 3.7° C, 3.7° C and 4.6° C.

GC/MS VOA
No analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

Client Sample ID: MW-2
Date Collected: 11/07/12 14:20
Date Received: 11/09/12 10:00

Lab Sample ID: 440-29308-1
Matrix: Water

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	**16000**		1000		ug/L			11/21/12 12:08	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*11/21/12 12:08*	*20*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*11/21/12 12:08*	*20*
Toluene-d8 (Surr)	*108*		*80 - 120*		*11/21/12 12:08*	*20*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1400**		10		ug/L			11/21/12 12:08	20
Toluene	ND		10		ug/L			11/21/12 12:08	20
Ethylbenzene	**150**		10		ug/L			11/21/12 12:08	20
Xylenes, Total	**73**		20		ug/L			11/21/12 12:08	20
Methyl-t-Butyl Ether (MTBE)	ND		10		ug/L			11/21/12 12:08	20
tert-Butyl alcohol (TBA)	ND		200		ug/L			11/21/12 12:08	20
Isopropyl Ether (DIPE)	ND		10		ug/L			11/21/12 12:08	20
Ethyl-t-butyl ether (ETBE)	ND		10		ug/L			11/21/12 12:08	20
Tert-amyl-methyl ether (TAME)	ND		10		ug/L			11/21/12 12:08	20
1,2-Dichloroethane	ND		10		ug/L			11/21/12 12:08	20
1,2-Dibromoethane (EDB)	ND		10		ug/L			11/21/12 12:08	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*11/21/12 12:08*	*20*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*11/21/12 12:08*	*20*
Toluene-d8 (Surr)	*108*		*80 - 120*		*11/21/12 12:08*	*20*

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 3420 San Pablo Ave., Oakland, CA

TestAmerica Job ID: 440-29308-1

Client Sample ID: MW-2
Date Collected: 11/07/12 14:20
Date Received: 11/09/12 10:00

Lab Sample ID: 440-29308-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	10 mL	10 mL	68444	11/21/12 12:08	LB	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		20	10 mL	10 mL	68445	11/21/12 12:08	LB	TAL IRV

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 440-68444/4
Matrix: Water
Analysis Batch: 68444

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			11/21/12 08:37	1
Toluene	ND		1.0		ug/L			11/21/12 08:37	1
Ethylbenzene	ND		1.0		ug/L			11/21/12 08:37	1
Xylenes, Total	ND		2.0		ug/L			11/21/12 08:37	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			11/21/12 08:37	1
1,2-Dichloroethane	ND		1.0		ug/L			11/21/12 08:37	1
1,2-Dibromoethane (EDB)	ND		1.0		ug/L			11/21/12 08:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*11/21/12 08:37*	*1*
Dibromofluoromethane (Surr)	*112*		*80 - 120*		*11/21/12 08:37*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*11/21/12 08:37*	*1*

Lab Sample ID: LCS 440-68444/5
Matrix: Water
Analysis Batch: 68444

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	24.9		ug/L		100	70 - 120
Toluene	25.0	26.7		ug/L		107	70 - 120
Ethylbenzene	25.0	25.5		ug/L		102	75 - 125
m,p-Xylene	50.0	52.5		ug/L		105	75 - 125
Methyl-t-Butyl Ether (MTBE)	25.0	27.7		ug/L		111	60 - 135
o-Xylene	25.0	26.9		ug/L		108	75 - 125
1,2-Dichloroethane	25.0	27.9		ug/L		112	60 - 140
1,2-Dibromoethane (EDB)	25.0	26.5		ug/L		106	75 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*
Dibromofluoromethane (Surr)	*109*		*80 - 120*
Toluene-d8 (Surr)	*107*		*80 - 120*

Lab Sample ID: 440-29926-A-7 MS
Matrix: Water
Analysis Batch: 68444

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		25.0	24.3		ug/L		97	65 - 125
Toluene	ND		25.0	25.9		ug/L		103	70 - 125
Ethylbenzene	ND		25.0	25.8		ug/L		103	65 - 130
m,p-Xylene	ND		50.0	52.2		ug/L		104	65 - 130
Methyl-t-Butyl Ether (MTBE)	ND		25.0	25.6		ug/L		102	55 - 145
o-Xylene	ND		25.0	26.8		ug/L		107	65 - 125
1,2-Dichloroethane	ND		25.0	26.4		ug/L		106	60 - 140
1,2-Dibromoethane (EDB)	ND		25.0	25.7		ug/L		103	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-29926-A-7 MS
Matrix: Water
Analysis Batch: 68444

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*
Dibromofluoromethane (Surr)	*106*		*80 - 120*
Toluene-d8 (Surr)	*106*		*80 - 120*

Lab Sample ID: 440-29926-A-7 MSD
Matrix: Water
Analysis Batch: 68444

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		25.0	25.0		ug/L		100	65 - 125	3	20
Toluene	ND		25.0	26.9		ug/L		107	70 - 125	4	20
Ethylbenzene	ND		25.0	26.3		ug/L		105	65 - 130	2	20
m,p-Xylene	ND		50.0	53.6		ug/L		107	65 - 130	3	25
Methyl-t-Butyl Ether (MTBE)	ND		25.0	26.5		ug/L		106	55 - 145	4	25
o-Xylene	ND		25.0	27.8		ug/L		111	65 - 125	4	20
1,2-Dichloroethane	ND		25.0	26.6		ug/L		106	60 - 140	1	20
1,2-Dibromoethane (EDB)	ND		25.0	26.4		ug/L		106	70 - 130	3	25

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*
Dibromofluoromethane (Surr)	*107*		*80 - 120*
Toluene-d8 (Surr)	*107*		*80 - 120*

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 440-68445/4
Matrix: Water
Analysis Batch: 68445

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		100		ug/L			11/21/12 08:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*112*		*80 - 120*		*11/21/12 08:37*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*11/21/12 08:37*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*11/21/12 08:37*	*1*

Lab Sample ID: LCS 440-68445/6
Matrix: Water
Analysis Batch: 68445

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Volatile Fuel Hydrocarbons (C4-C12)	500	506		ug/L		101	55 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	*105*		*80 - 120*

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 440-68445/6
Matrix: Water
Analysis Batch: 68445

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*
Toluene-d8 (Surr)	*109*		*80 - 120*

Lab Sample ID: 440-29926-A-7 MS
Matrix: Water
Analysis Batch: 68445

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Volatile Fuel Hydrocarbons (C4-C12)	ND		1730	1280		ug/L		74	50 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*106*		*80 - 120*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*
Toluene-d8 (Surr)	*106*		*80 - 120*

Lab Sample ID: 440-29926-A-7 MSD
Matrix: Water
Analysis Batch: 68445

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Volatile Fuel Hydrocarbons (C4-C12)	ND		1730	1320		ug/L		76	50 - 145	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*107*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*
Toluene-d8 (Surr)	*107*		*80 - 120*

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 3420 San Pablo Ave., Oakland, CA

TestAmerica Job ID: 440-29308-1

GC/MS VOA

Analysis Batch: 68444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-29308-1	MW-2	Total/NA	Water	8260B	
440-29926-A-7 MS	Matrix Spike	Total/NA	Water	8260B	
440-29926-A-7 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
LCS 440-68444/5	Lab Control Sample	Total/NA	Water	8260B	
MB 440-68444/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 68445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-29308-1	MW-2	Total/NA	Water	8260B/CA_LUFT MS	
440-29926-A-7 MS	Matrix Spike	Total/NA	Water	8260B/CA_LUFT MS	
440-29926-A-7 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B/CA_LUFT MS	
LCS 440-68445/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
MB 440-68445/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDA	Minimum detectable activity
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 3420 San Pablo Ave., Oakland, CA

TestAmerica Job ID: 440-29308-1

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska	State Program	10	CA01531	06-30-13
Arizona	State Program	9	AZ0671	10-13-13
California	LA Cty Sanitation Districts	9	10256	01-31-13
California	NELAC	9	1108CA	01-31-13
California	State Program	9	2706	06-30-14
Guam	State Program	9	Cert. No. 12.002r	01-23-13
Hawaii	State Program	9	N/A	01-31-13
Nevada	State Program	9	CA015312007A	07-31-13
New Mexico	State Program	6	N/A	01-31-13
Northern Mariana Islands	State Program	9	MP0002	01-31-13
Oregon	NELAC	10	4005	09-12-13
USDA	Federal		P330-09-00080	06-06-14
USEPA UCMR	Federal	1	CA01531	01-31-13

440-29308

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- ☐ CALSCIENCE (_____)
- ☐ SPL Houston (_____)
- ☐ 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: 240554 Peter Schaefer

PO #

INCIDENT # (ENV SERVICES): 9 8 9 9 5 7 4 8

SAP #: 1 3 9 6 1 9

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 11/07/2012

PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services

LOG CODE: BTSS

SITE ADDRESS: Street and City: 3420 San Pablo Ave., Oakland

State: CA

GLOBAL ID NO.: T0600101253

ADDRESS: 1680 Rogers Avenue, San Jose, CA

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

PHONE NO.: 510-420-3343

E-MAIL: ShellEDF@CRAWorld.com; Shell-US-LabDataManagement@CRAworld.com

CONSULTANT PROJECT NO.: 240554-95-12.01

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

SAMPLER NAME(S) (Print): Gregory Roberts

LAB USE ONLY

TELEPHONE: (310) 885-4455 x 108

FAX: (310) 637-5802

E-MAIL: lking@blainetech.com

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:

1) Please upload the "CRA EQuIS 4-file EDD" to the CRA Website (http://cralabedduplod.craworld.com/equis/default.aspx) and/or send it to the Shell-US-LabDataManagement@CRAworld.com email folder. 2) Please indicate that you have uploaded the EDD by including "EDD Uploaded to CRA website" in the body of the email used to deliver the final PDF report to the Shell-US-LabDataManagement@CRAworld.com email folder.

Copy final report to Shell.Lab.Billing@craworld.com, ShellEDF@craworld.com, Shell-US-LabDataManagement@CRAworld.com, and pschaefer@CRAWorld.com

Email invoice to Shell.Lab.Billing@craworld.com

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

Matrix Codes - WG (groundwater), WS (surface water), WP (drinking water source), W (Trip or Temp Blank)

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	PROJECT NUMBER	DATE (MMDDYY)	SAMPLER INITIALS	WELL ID	TIME	MATRIX	PRESERVATIVE: HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-GRO, Purgeable (8260B)	TPH-DRO, Extractable (8015M)	BTEX (8260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B)	BTEX + 5 OXYs (MTBE, TBA, DIPE, TAME, ETBE) 8260B	VOCs Full list (8260B)	Single Compound: _____ (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015B)	Container PID Readings or Laboratory Notes
14	WG	121107-GR2	110712	GR	MW2	1420	WG	X					3	X					X			X	X			

TEMPERATURE ON RECEIPT, °C

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature] (Sample Custodian)	11/07/2012	1730
[signature] - Sample Custodian BTS	[signature]	11-8-12	12:10
[signature] 11-8-12 16:00	[signature]	11/9/12	10:00

(CS) 4.8 3.9 3.4 3.2 3.9 °C

11/27/2012

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 440-29308-1

Login Number: 29308
List Number: 1
Creator: Robb, Kathleen

List Source: TestAmerica Irvine

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	Gregory Roberts
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	