CONESTOGA-ROVERS & ASSOCIATES

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

TRANSMITTAL

DATE: February 7, 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
9:51 am, Feb 15, 2012
Alameda County
Environmental Health

Please find enclosed:
- ☐ Draft
- ☐ Originals
- ☐ Prints
- ☒ Final
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QUANTITY	DESCRIPTION
1	Groundwater Monitoring Report – Fourth Quarter 2011

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

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

Copy to: Denis Brown, Shell Oil Products US (electronic copy)
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 2011

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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FEBRUARY 7, 2012
REF. NO. 240554 (10)
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LIST OF APPENDICES

1.0 INTRODUCTION

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

1.1 SITE INFORMATION

Site Address	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 October 31, 2011.

2.0 SITE ACTIVITIES, FINDINGS, AND DISCUSSION

2.1 CURRENT QUARTER'S ACTIVITIES

Alameda County Environmental Health's (ACEH's) July 25, 2011 letter requested conducting analysis for ethylene dibromide and 1,2-dichloroethane in groundwater samples. These analyses have been added to the semiannual groundwater monitoring program and initial results are included in this report.

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

CRA prepared a vicinity map (Figure 1), a groundwater contour and chemical concentration map (Figure 2), and a groundwater data table (Table 1). Blaine's field notes are presented in Appendix A, and the laboratory report is presented in Appendix B.

Blaine installed a separate-phase-hydrocarbon-absorbent canister in 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 8, 2011 or during the October 18, 2011 sampling event. Approximately 0.42 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)*
0.42	25.2

CRA's September 27, 2011 *Subsurface Investigation Work Plan* proposed further on-site soil investigation based on comments in ACEH's July 25, 2011 letter. The work plan was approved in ACEH's October 31, 2011 letter.

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Variable
Hydraulic Gradient	Variable
Depth to Water	3.20 to 8.75 feet below top of well casing

2.3 PROPOSED ACTIVITIES

Blaine will gauge and sample wells according to the established monitoring program for this site. This site is monitored semiannually during the 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.

CRA completed the approved on-site subsurface investigation discussed above during January 2012 and will submit a report detailing these activities by March 5, 2012.

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

Peter Schaefer, CHG, CEG

Aubrey K. Cool, PG

FIGURES

12/02/08

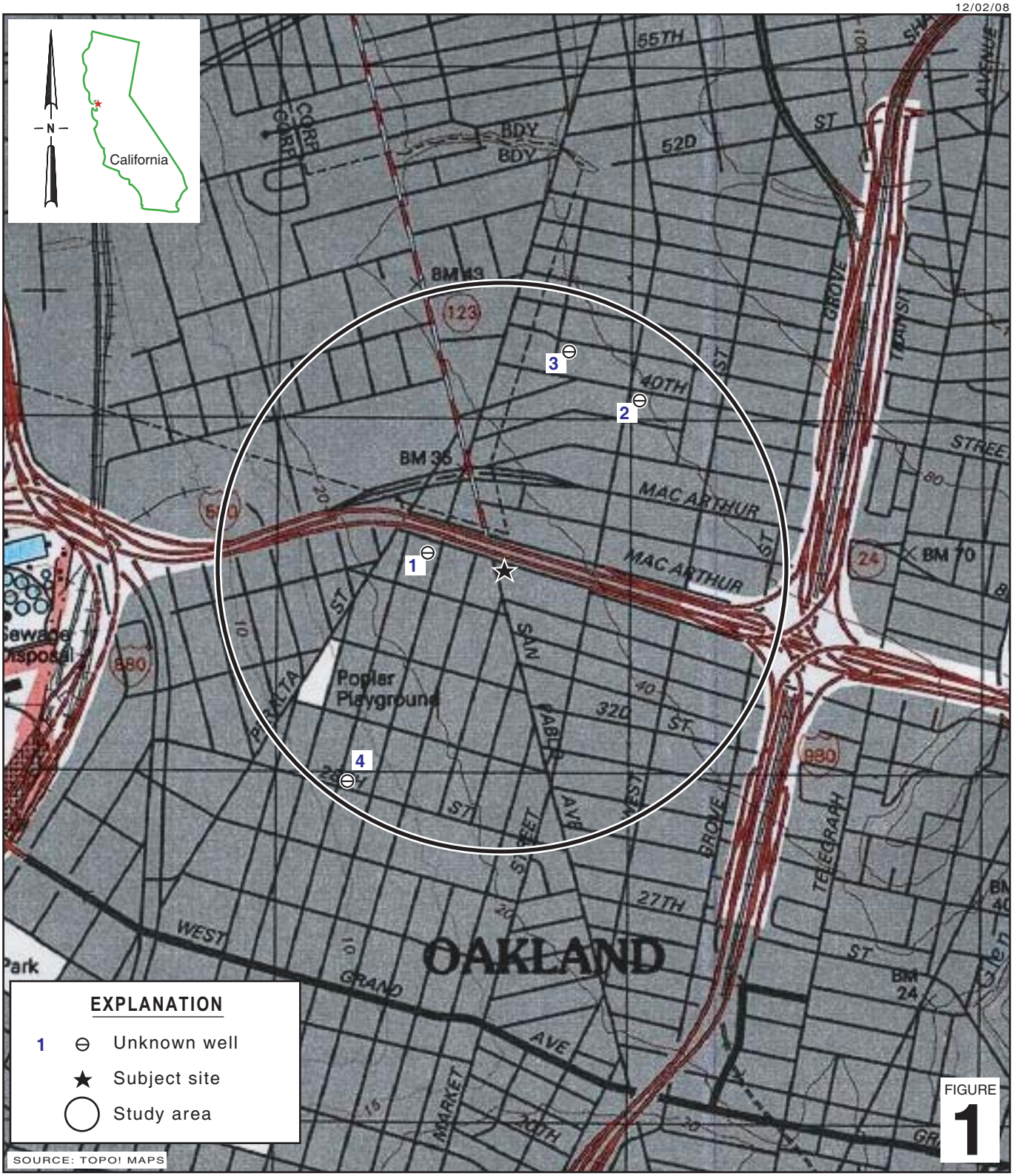

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FIGURE
1

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

01/23/2012

Groundwater Contour and Chemical Concentration Map

October 18, 2011

EXPLANATION

- SB-7 — Soil boring location (CRA, 2012)
- MW-1 — Monitoring well location (Shell)
- MW-3 — Destroyed monitoring well location
- MW-1 — Monitoring well location (Thrifty)
- RW-1R — Recovery well location (Thrifty)
- Storm drain line (STM)
- Sanitary Sewer line (SAN)
- Water line (W)
- Overhead electrical line (OHE)
- 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 (msl)

Well
ELEV.
Benzene
MTBE

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

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

INTERSTATE 580 (ELEVATED)
35th STREET
SAN PABLO AVENUE
LINDEN STREET
34th STREET
Apartments/Residential
Station Building
Former Shell Station
3420 San Pablo Ave.
Former Thrifty #049
(Current Arco Station)
3400 San Pablo Ave.
Former Building
550 gal. W/O UST
(removed 6/26/97)
Trash
Office
Recovery System Controls
Recovery System Piping
Former USTs (rounded)
Existing USTs
Former Dispenser Island
Former Product Line
Dispensers
Former Dispensers
Dispenser Islands
Planter
Median
PGE MH
FH
E vault
PP

MW-11 25.66 ND 1.8
MW-6R 24.55 550 80
MW-6
MW-3
MW-3R 24.04 ND 2.1
MW-9 25.22 ND 7.0
MW-2 25.65 1,400 73
MW-5 25.97 4.1 8.4
MW-7 28.11* 12 NDa
MW-1 26.24 2.0 5.6
MW-4 23.37 27 25
MW-10 23.39 ND 3.5
MW-8
MW-2R
MW-4R
RW-1
RW-1R

SB-7 SB-8 SB-9 SB-10 SB-11 SB-12

25.00
26.00
24.00

0 20 40 80
Scale (ft)

FIGURE
2

Former Shell Service Station
3420 San Pablo Avenue
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

I:\Shell\6-chars\2405-\240554-Oakland 3420 San Pablo\240554-REPORTS\240554-RPT10-4Q11\240554 4QM11-GW.DWG

TABLES

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	---	10.43
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	11.86
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	12.10
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*	---	---	---	---	---	---	---	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*	---	---	---	---	---	---	---	2.0	21.05	3.65	---	17.40
MW-1	07/20/2000	3,600	37.9	36.0	34.2	40.4	3,140	3,430*	---	---	---	---	---	---	---	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

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	04/27/2001	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
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-2	08/06/1991	50,000	15,000	---	2,700	13,000	---	---	---	---	---	---	---	---	---	---	21.56	9.72	---	11.84

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	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	---	13.32
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	---	15.71
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
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

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	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
MW-2	04/16/2008	20,000	2,100	<20	1,400	180	---	200	---	---	---	---	---	---	---	---	32.54	6.80	---	25.74
MW-2	07/16/2008	23,000	1,600	<20	84	170	---	<20	<200	<40	<40	<40	---	---	---	---	32.54	6.71	---	25.83
MW-2	10/15/2008	17,000	1,300	<20	820	98	---	49	---	---	---	---	---	---	---	---	32.54	7.60	---	24.94
MW-2	01/21/2009	26,000	2,000	<20	1,200	130	---	130	---	---	---	---	---	---	---	---	32.54	6.71	---	25.83
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-3	08/06/1991	430	8	1	4	15	---	---	---	---	---	---	---	---	---	---	21.78	11.18	---	10.60
MW-3	10/23/1991	390	2.10	<0.3	0.48	2	---	---	---	---	---	---	---	---	---	---	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

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-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		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
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*	---	---	---	---	---	---	---	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

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-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
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-4	08/06/1991	1,300	28	18	68	150	---	---	---	---	---	---	---	---	---	---	20.31	10.57	---	9.74
MW-4	10/23/1991	1,900	97	6.10	38	77	---	---	---	---	---	---	---	---	---	---	20.31	10.46	---	9.85
MW-4	01/28/1992	200	7.60	<0.5	3	3.30	---	---	---	---	---	---	---	---	---	---	20.31	9.54	---	10.77
MW-4	05/04/1992	690	98	3	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

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-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	11.26
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
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	---	10.34
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*	---	---	---	---	---	---	---	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*	---	---	---	---	---	---	---	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

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	07/10/2003	<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
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-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	14.81
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

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	01/20/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20.91	7.42	0.01	13.49
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
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

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	01/13/2004	3,800	<2.5	<2.5	6.9	<5.0	---	140	---	---	---	---	---	---	---	---	32.67	4.69	---	27.98
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-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	9.34
MW-6	01/12/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	22.32	6.40	<0.01	15.92
MW-6	04/06/1993	320,000	2,500	14,000	980	14,000	---	---	---	---	---	---	---	---	---	---	22.32	5.93	---	16.39
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

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	07/19/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	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
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

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	10/20/2004	140,000	1,700	<50	4,300	7,400	---	210	---	---	---	---	---	---	---	---	33.15	8.61	<.01	24.54
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-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	---	11.68
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

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	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	---	13.28
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	11.15
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
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

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	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
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-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

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	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
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

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	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
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	6.90	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	7.70	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	7.41	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

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	01/06/2000	<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
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	---	---	---

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	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-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	---	---
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

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-10	10/24/2000	5,070	79.6	46.6	34.2	11.7	242	---	---	---	---	---	---	---	---	1.9	19.76	7.96	---	11.80
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
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

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-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-11	10/23/1991	140	<12	<0.3	0.37	0.56	---	---	---	---	---	---	---	---	---	---	22.06	8.06	---	8.06
MW-11	01/28/1992	<50	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	---	---	---	---	---	22.06	8.74	---	3.32
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*	<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	---	---	---
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

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-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
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**

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)

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.
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.
* = 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 # 110708-MW1 Date 7/8/11 Client SMER

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	0830	2	ODOR	—			7.42	29.70	TOC	

SHELL WELL MONITORING DATA SHEET

BTS #: 110708-WW1	Site: 3420 SAN PABLO AVE, OAKLAND, CA
Sampler: WW	Date: 7/8/11
Well I.D.: MW-6R	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 29.70	Depth to Water (DTW): 7.42
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

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

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

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

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
- NO PRODUCT DETECTED (BAILER CHECKED ALSO)						
REMOVED 1 SOCK FROM WELL. TOTAL WEIGHT: 0.21 kg (0.46 lbs)						
INSTALLED 1 NEW SOCK IN WELL. TOTAL WEIGHT: 0.15 kg (0.32 lbs)						
* 1/2 of sock		pale	yellow			odor

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 WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 3420 SAN PABLO AVE, OAKLAND, CA Date 7/8/11

Job Number 110708-WW1 Technician WW Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Well Box Meets Compliance Requirements *See Below	Water Bailed From Wellbox	Cap Replaced	Lock Replaced	Well Not Inspected (explain in notes)	New Deficiency Identified	Previously Identified Deficiency Persists	Notes
MW-6R	X	X							

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

Notes:

WELL GAUGING DATA

Project # 111018-CH1 Date 10/18/11 Client SHELL

Site 3420 SAN PABLO AVE, OAKLAND

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1	0848	4					5.77	24.45		
MW-2	0915	4					6.89	19.22		
MW-3R	0835	2					8.75	29.20		
MW-4	0842	4					8.51	19.20		
MW-5	0855	4					6.70	24.70		
MW-6R	0930	2					8.60	29.63		ABS. SOCKS
MW-7	0904	4					3.20	19.50		
MW-9	1048	4					6.93	19.50		
MW-10	1500	4					7.36	18.89		
MW-11	1006	4 ~~1000~~					7.33	18.90		
~~AW~~										

SHELL WELL MONITORING DATA SHEET

BTS #: 111018-CK-1	Site: 3420 SAN PABLO AVE, OAKLAND
Sampler: C. KILPATRICK	Date: 10/18/11
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 24.45	Depth to Water (DTW): 5.77
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]: 9.51	

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: _____

12.1 (Gals.) X	3	=	36.3 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
1459	73.9	7.04	436.0	17	12.1	
	WELL	DEWATERED @	13.0 gal	13.0	DTW: 24.40	
1512	74.0	7.26	429	10	GRAB	

Did well dewater? (Yes) No Gallons actually evacuated: 13.0

Sampling Date: 10/18/11 Sampling Time: 1515 Depth to Water: 9.35

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 #: 111018-CK1	Site: 3420 SAN PABLO AVE, OAKLAND
Sampler: C. KILPATRICK	Date: 10/18/11
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 19.22	Depth to Water (DTW): 6.89
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.36	

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: _____

8.0 (Gals.) X	3	= 24.0 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1535	69.0	6.27	1189	41	8.0	
1536		well	dewatered		8.5	DTW- 14.41
1548	70.4	6.14	1213	9	Grab	

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

Sampling Date: 10/18/11 Sampling Time: 1548 Depth to Water: 9.25

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

SHELL WELL MONITORING DATA SHEET

BTS #: 111018-CK-1	Site: 3420 SAN PABLO AVE, OAKLAND
Sampler: C. KILPATRICK	Date: 10/18/11
Well I.D.: MW-3R	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 29.20	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]: 12.84	

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: _____

3.3 (Gals.) X	3	=	9.9 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
1222	70.3	6.64	558	>1000	3.3	
1226	70.1	6.66	556	>1000	6.6	
1230	70.1	6.67	555	>1000	9.9	

Did well dewater? Yes (No) Gallons actually evacuated: 9.9

Sampling Date: 10/18/11 Sampling Time: 1235 Depth to Water: 11.66

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 #: 111018-CKI	Site: 3420 SAN PABLO AVE, OAKLAND
Sampler: C. KILPATRICK	Date: 10/18/11
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 19.20	Depth to Water (DTW): 8.51
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]: 10.65	

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: ____

6.9 (Gals.)	X	3	=	20.7 Gals.
1 Case Volume		Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1433	71.1	7.20	782	108	6.9	
	WELL	DEWATERED @		7.0gal	7.0	DTW: 16.00
1444	72.5	6.75	827	477	GRAB	

Did well dewater? (Yes) No Gallons actually evacuated: 7.0

Sampling Date: 10/18/11 Sampling Time: 1450 Depth to Water: 10.50

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 #: 111018-CK1	Site: 3420 SAN PABLO AVE, OAKLAND
Sampler: C. KILPATRICK	Date: 10/18/11
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 24.70	Depth to Water (DTW): 6.70
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]: 10.30	

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: _____

11.7 (Gals.) X	3	= 35.1 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
1523	70.6	6.77	615	17	11.7	
1526	69.8	6.66	610	112	23.4	→
	WELL	DEWATERED @	24 gal	24.0	DTW: 21.50	
1632	69.4	6.77	596	295	GRAB	

Did well dewater? (Yes) No Gallons actually evacuated: 24.0

Sampling Date: 10/18/11 Sampling Time: 1635 Depth to Water: 10.20

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 #: 111018-CK-1	Site: 3420 SAN PABLO AVE, OAKLAND
Sampler: C. KILPATRICK	Date: 10/18/11
Well I.D.: MW-6R	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 29.63	Depth to Water (DTW): 8.60
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]: —	

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	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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
	NO	SPH	DETECTED	W/ INTERFACE PROBE		
	REMOVED	OLD	SPH	SOCK		(WET WEIGHT = 0.38 lbs)
	DEPLOYED	NEW	SPH	SOCK		(DRY WEIGHT = 0.34 lbs)

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 10/18/11 Sampling Time: Depth to Water:

Sample I.D.: MW- 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 #: 111018-CK1	Site: 3420 SAN PABLO AVE, OAKLAND
Sampler: C. KILPATRICK	Date: 10/18/11
Well I.D.: MW-6R	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 29.63	Depth to Water (DTW): 8.60
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]: 12.81	

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: _____

3.4 (Gals.) X	3	=	10.2 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
1330	70.3	6.69	1014	492	3.4	
1336	69.8	6.67	1031	603	6.8	
1342	69.6	6.66	1031	494	10.2	

Did well dewater? Yes (No) Gallons actually evacuated: 10.2

Sampling Date: 10/18/11 Sampling Time: 1345 Depth to Water: 12.61

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 #: 111018-CKC	Site: 3420 SAN PABLO AVE, OAKLAND
Sampler: C. KILPATRICK	Date: 10/18/11
Well I.D.: MW-7	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 19.50	Depth to Water (DTW): 3.20
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.46	

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

Sampling Method: (Bailer), Disposable Bailer, Extraction Port, Dedicated Tubing, Other:____

1 Case Volume	Specified Volumes	Calculated Volume
10.6 (Gals.) X	3	= 31.8 Gals.

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1536	69.3	6.90	804	65	10.6	
	WELL	DEWATERED @	18 gal	18.0	DTW = 16.90	
1645	66.6	6.97	833	596	GRAB	

Did well dewater? (Yes) No Gallons actually evacuated: 18.0

Sampling Date: 10/18/11 Sampling Time: 1650 Depth to Water: 6.03

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 #: 111018-CK1	Site: 3420 SAN PABLO AVE, OAKLAND
Sampler: C. KILPATRICK	Date: 10/18/11
Well I.D.: MW-9	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 19.50	Depth to Water (DTW): 6.93
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]: 9.44	

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: _____

8.2 (Gals.) X	3	=	24.6 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1438	71.1	5.88	282	355	8	
1442	70.5	5.89	666	148	16.4	DTW - 18.83
1442	well dewatered				17.0	
1450	71.6	6.10	690	208	GRAB	
* SAMPLED EARLY IN RELIANCE DUE TO TRAFFIC RESTRICTIONS.						

Did well dewater? (Yes) No Gallons actually evacuated: 17.0

Sampling Date: 10/18/11 Sampling Time: 1450 Depth to Water: 18.36 * TRAFFIC RESTRICTIONS

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 #: 111018-CK1	Site: 3420 SAN PABLO AVE, OAKLAND
Sampler: C. KILPATRICK	Date: 10/18/11
Well I.D.: MW-10	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 18.89	Depth to Water (DTW): 7.36
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]: 9.67	

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: ____

7.5 (Gals.) X 3 = 22.5 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
1509	67.7	6.33	1016	15	7.5	
1511	66.3	6.52	1029	6	15.0	
1512		well	dewatered		16.0	DTW-17.90
~~1521~~ 1630	67.2	6.64	1023	121	Grab	

Did well dewater? (Yes) No Gallons actually evacuated: 16.0

Sampling Date: 10/18/11 Sampling Time: 1625 Depth to Water: 16.0

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 #: 111018-CK1	Site: 3420 SAN PABLO AVE, OAKLAND
Sampler: C. KILPATRICK	Date: 10/18/11
Well I.D.: MW-11	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 18.90	Depth to Water (DTW): 7.33
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]: 9.64	

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: ____

7.5 (Gals.) X	3	=	22.5 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
1015	69.8	6.20	1004	157	7.5	
	WELL	DEWATERED @	10gal	10.0	DTW = 16.70	
1020	67.3	6.60	915	261	GRAB	

Did well dewater? (Yes) No Gallons actually evacuated: 10.0

Sampling Date: 10/18/11 Sampling Time: 1020 Depth to Water: 14.10 TRAFFIC

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

INCIDENT # 98995790 ADDRESS 3420 SAN PABLO AVE

DATE: 10/16/11 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) 12	Y	(N)	(G)	R	(G)	R	NL	(G)	P	1/2 BOLTS STRIPPED	Y	(N)	
MW-10	Standpipe	(Flush)	(G)	P	Size (inch) 12	(Y)	N	(G)	R	(G)	R	NL	(G)	P		Y	(N)	
MW-11	Standpipe	(Flush)	G	(P)	Size (inch) 12	Y	(N)	(G)	R	(G)	R	NL	(G)	P	-1/2 BOLTS 1/2 BOLTS STRIP.	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:	G	P	(N/A)	If POOR, Borings/Well IDs or Location Description:	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
3	(Y)	N	N/A	(Y)	N	N/A	(G)	P	N/A	(Y)	N	(Y)	N	N/A	1 DRUM FILLED W/ TRASH/DEBRIS	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).

CHEN KUPATRON (BLAINE TECH)

Print or type Name of Field Personnel & Consultant Company

APPENDIX B

TEST AMERICA –
LABORATORY REPORT

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

LABORATORY REPORT

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

Project: 3420 San Pablo Ave., Oakland, CA

Sampled: 10/18/11
Received: 10/20/11
Issued: 11/02/11 17:58

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

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

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
IUJ2720-01	MW-1	Water
IUJ2720-02	MW-2	Water
IUJ2720-03	MW-3R	Water
IUJ2720-04	MW-4	Water
IUJ2720-05	MW-5	Water
IUJ2720-06	MW-6R	Water
IUJ2720-07	MW-7	Water
IUJ2720-08	MW-9	Water
IUJ2720-09	MW-10	Water
IUJ2720-10	MW-11	Water

Reviewed By:

TestAmerica Irvine

Philip Sanelle
Project Manager

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

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

Project ID: 3420 San Pablo Ave., Oakland, CA
Report Number: IUJ2720

Sampled: 10/18/11
Received: 10/20/11

VOLATILE FUEL HYDROCARBONS BY GC/MS (CA LUFT)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUJ2720-01 (MW-1 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11J3723	50	**540**	1	10/28/2011	10/28/2011	
Surrogate: Dibromofluoromethane (80-120%)				*91 %*				
Surrogate: Toluene-d8 (80-120%)				*96 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				
Sample ID: IUJ2720-02 (MW-2 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11J3723	1000	**16000**	20	10/28/2011	10/28/2011	
Surrogate: Dibromofluoromethane (80-120%)				*95 %*				
Surrogate: Toluene-d8 (80-120%)				*101 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*95 %*				
Sample ID: IUJ2720-03 (MW-3R - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11J3723	50	ND	1	10/28/2011	10/28/2011	
Surrogate: Dibromofluoromethane (80-120%)				*94 %*				
Surrogate: Toluene-d8 (80-120%)				*97 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				
Sample ID: IUJ2720-04 (MW-4 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11J3723	50	**2300**	1	10/28/2011	10/28/2011	
Surrogate: Dibromofluoromethane (80-120%)				*91 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*95 %*				
Sample ID: IUJ2720-05 (MW-5 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11J3978	500	**5200**	10	10/31/2011	10/31/2011	
Surrogate: Dibromofluoromethane (80-120%)				*109 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*97 %*				
Sample ID: IUJ2720-06 (MW-6R - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11J3852	500	**11000**	10	10/29/2011	10/29/2011	
Surrogate: Dibromofluoromethane (80-120%)				*93 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*97 %*				

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

Project ID: 3420 San Pablo Ave., Oakland, CA
Report Number: IUJ2720

Sampled: 10/18/11
Received: 10/20/11

VOLATILE FUEL HYDROCARBONS BY GC/MS (CA LUFT)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUJ2720-07 (MW-7 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11J3978	5000	**140000**	100	10/31/2011	10/31/2011	
Surrogate: Dibromofluoromethane (80-120%)				*107 %*				
Surrogate: Toluene-d8 (80-120%)				*103 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*98 %*				
Sample ID: IUJ2720-08 (MW-9 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11J3713	50	**85**	1	10/28/2011	10/28/2011	
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*102 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*101 %*				
Sample ID: IUJ2720-09 (MW-10 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11J3713	50	**1100**	1	10/28/2011	10/28/2011	
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*100 %*				
Sample ID: IUJ2720-10 (MW-11 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11J3713	50	ND	1	10/28/2011	10/28/2011	
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				

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Project ID: 3420 San Pablo Ave., Oakland, CA
Report Number: IUJ2720
Sampled: 10/18/11
Received: 10/20/11

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUJ2720-01 (MW-1 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11J3723	0.50	**2.0**	1	10/28/2011	10/28/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11J3723	0.50	ND	1	10/28/2011	10/28/2011	
1,2-Dichloroethane	EPA 8260B	11J3723	0.50	ND	1	10/28/2011	10/28/2011	
Ethylbenzene	EPA 8260B	11J3723	0.50	**1.2**	1	10/28/2011	10/28/2011	
Toluene	EPA 8260B	11J3723	0.50	**2.5**	1	10/28/2011	10/28/2011	
Xylenes, Total	EPA 8260B	11J3723	1.0	**6.0**	1	10/28/2011	10/28/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11J3723	1.0	ND	1	10/28/2011	10/28/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11J3723	1.0	ND	1	10/28/2011	10/28/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11J3723	1.0	**5.6**	1	10/28/2011	10/28/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11J3723	1.0	ND	1	10/28/2011	10/28/2011	
tert-Butanol (TBA)	EPA 8260B	11J3723	10	ND	1	10/28/2011	10/28/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				
Surrogate: Dibromofluoromethane (80-120%)				*91 %*				
Surrogate: Toluene-d8 (80-120%)				*96 %*				
Sample ID: IUJ2720-02 (MW-2 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11J3723	10	**1400**	20	10/28/2011	10/28/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11J3723	10	ND	20	10/28/2011	10/28/2011	
1,2-Dichloroethane	EPA 8260B	11J3723	10	ND	20	10/28/2011	10/28/2011	
Ethylbenzene	EPA 8260B	11J3723	10	**250**	20	10/28/2011	10/28/2011	
Toluene	EPA 8260B	11J3723	10	ND	20	10/28/2011	10/28/2011	
Xylenes, Total	EPA 8260B	11J3723	20	**93**	20	10/28/2011	10/28/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11J3723	20	ND	20	10/28/2011	10/28/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11J3723	20	ND	20	10/28/2011	10/28/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11J3723	20	**73**	20	10/28/2011	10/28/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11J3723	20	ND	20	10/28/2011	10/28/2011	
tert-Butanol (TBA)	EPA 8260B	11J3723	200	ND	20	10/28/2011	10/28/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*95 %*				
Surrogate: Dibromofluoromethane (80-120%)				*95 %*				
Surrogate: Toluene-d8 (80-120%)				*101 %*				

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Report Number: IUJ2720

Sampled: 10/18/11
Received: 10/20/11

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUJ2720-03 (MW-3R - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11J3723	0.50	ND	1	10/28/2011	10/28/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11J3723	0.50	ND	1	10/28/2011	10/28/2011	
1,2-Dichloroethane	EPA 8260B	11J3723	0.50	ND	1	10/28/2011	10/28/2011	
Ethylbenzene	EPA 8260B	11J3723	0.50	ND	1	10/28/2011	10/28/2011	
Toluene	EPA 8260B	11J3723	0.50	ND	1	10/28/2011	10/28/2011	
Xylenes, Total	EPA 8260B	11J3723	1.0	ND	1	10/28/2011	10/28/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11J3723	1.0	ND	1	10/28/2011	10/28/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11J3723	1.0	ND	1	10/28/2011	10/28/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11J3723	1.0	**2.1**	1	10/28/2011	10/28/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11J3723	1.0	ND	1	10/28/2011	10/28/2011	
tert-Butanol (TBA)	EPA 8260B	11J3723	10	ND	1	10/28/2011	10/28/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				
Surrogate: Dibromofluoromethane (80-120%)				*94 %*				
Surrogate: Toluene-d8 (80-120%)				*97 %*				
Sample ID: IUJ2720-04 (MW-4 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11J3723	0.50	**27**	1	10/28/2011	10/28/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11J3723	0.50	ND	1	10/28/2011	10/28/2011	
1,2-Dichloroethane	EPA 8260B	11J3723	0.50	ND	1	10/28/2011	10/28/2011	
Ethylbenzene	EPA 8260B	11J3723	0.50	**12**	1	10/28/2011	10/28/2011	
Toluene	EPA 8260B	11J3723	0.50	**30**	1	10/28/2011	10/28/2011	
Xylenes, Total	EPA 8260B	11J3723	1.0	**60**	1	10/28/2011	10/28/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11J3723	1.0	ND	1	10/28/2011	10/28/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11J3723	1.0	ND	1	10/28/2011	10/28/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11J3723	1.0	**25**	1	10/28/2011	10/28/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11J3723	1.0	ND	1	10/28/2011	10/28/2011	
tert-Butanol (TBA)	EPA 8260B	11J3723	10	**280**	1	10/28/2011	10/28/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*95 %*				
Surrogate: Dibromofluoromethane (80-120%)				*91 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				

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Project ID: 3420 San Pablo Ave., Oakland, CA
Report Number: IUJ2720
Sampled: 10/18/11
Received: 10/20/11

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUJ2720-05 (MW-5 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11J3723	0.50	**4.1**	1	10/28/2011	10/28/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11J3723	0.50	ND	1	10/28/2011	10/28/2011	
1,2-Dichloroethane	EPA 8260B	11J3723	0.50	ND	1	10/28/2011	10/28/2011	
Ethylbenzene	EPA 8260B	11J3723	0.50	**3.2**	1	10/28/2011	10/28/2011	
Toluene	EPA 8260B	11J3723	0.50	**6.2**	1	10/28/2011	10/28/2011	
Xylenes, Total	EPA 8260B	11J3723	1.0	**17**	1	10/28/2011	10/28/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11J3723	1.0	ND	1	10/28/2011	10/28/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11J3723	1.0	ND	1	10/28/2011	10/28/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11J3723	1.0	**8.4**	1	10/28/2011	10/28/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11J3723	1.0	ND	1	10/28/2011	10/28/2011	
tert-Butanol (TBA)	EPA 8260B	11J3723	10	**11**	1	10/28/2011	10/28/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*103 %*				
Surrogate: Dibromofluoromethane (80-120%)				*90 %*				
Surrogate: Toluene-d8 (80-120%)				*89 %*				
Sample ID: IUJ2720-06 (MW-6R - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11J3852	5.0	**550**	10	10/29/2011	10/29/2011	M1
1,2-Dibromoethane (EDB)	EPA 8260B	11J3852	5.0	ND	10	10/29/2011	10/29/2011	
1,2-Dichloroethane	EPA 8260B	11J3852	5.0	ND	10	10/29/2011	10/29/2011	
Ethylbenzene	EPA 8260B	11J3852	5.0	**200**	10	10/29/2011	10/29/2011	
Toluene	EPA 8260B	11J3852	5.0	ND	10	10/29/2011	10/29/2011	
Xylenes, Total	EPA 8260B	11J3852	10	**41**	10	10/29/2011	10/29/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11J3852	10	ND	10	10/29/2011	10/29/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11J3852	10	ND	10	10/29/2011	10/29/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11J3852	10	**80**	10	10/29/2011	10/29/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11J3852	10	ND	10	10/29/2011	10/29/2011	
tert-Butanol (TBA)	EPA 8260B	11J3852	100	ND	10	10/29/2011	10/29/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*97 %*				
Surrogate: Dibromofluoromethane (80-120%)				*93 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				

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Project ID: 3420 San Pablo Ave., Oakland, CA
Report Number: IUJ2720

Sampled: 10/18/11
Received: 10/20/11

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUJ2720-07 (MW-7 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11J3868	5.0	**12**	10	10/29/2011	10/30/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11J3868	5.0	ND	10	10/29/2011	10/30/2011	
1,2-Dichloroethane	EPA 8260B	11J3868	5.0	ND	10	10/29/2011	10/30/2011	
Ethylbenzene	EPA 8260B	11J3868	5.0	**12**	10	10/29/2011	10/30/2011	
Toluene	EPA 8260B	11J3868	5.0	**12**	10	10/29/2011	10/30/2011	
Xylenes, Total	EPA 8260B	11J3868	10	**24**	10	10/29/2011	10/30/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11J3868	10	ND	10	10/29/2011	10/30/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11J3868	10	ND	10	10/29/2011	10/30/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11J3868	10	ND	10	10/29/2011	10/30/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11J3868	10	ND	10	10/29/2011	10/30/2011	
tert-Butanol (TBA)	EPA 8260B	11J3868	100	ND	10	10/29/2011	10/30/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*108 %*				
Surrogate: Dibromofluoromethane (80-120%)				*105 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Sample ID: IUJ2720-08 (MW-9 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11J3713	0.50	ND	1	10/28/2011	10/28/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11J3713	0.50	ND	1	10/28/2011	10/28/2011	
1,2-Dichloroethane	EPA 8260B	11J3713	0.50	ND	1	10/28/2011	10/28/2011	
Ethylbenzene	EPA 8260B	11J3713	0.50	ND	1	10/28/2011	10/28/2011	
Toluene	EPA 8260B	11J3713	0.50	ND	1	10/28/2011	10/28/2011	
Xylenes, Total	EPA 8260B	11J3713	1.0	ND	1	10/28/2011	10/28/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11J3713	1.0	ND	1	10/28/2011	10/28/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11J3713	1.0	ND	1	10/28/2011	10/28/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11J3713	1.0	**7.0**	1	10/28/2011	10/28/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11J3713	1.0	ND	1	10/28/2011	10/28/2011	M1
tert-Butanol (TBA)	EPA 8260B	11J3713	10	ND	1	10/28/2011	10/28/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*101 %*				
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*102 %*				

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Project ID: 3420 San Pablo Ave., Oakland, CA
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Sampled: 10/18/11
Received: 10/20/11

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUJ2720-09 (MW-10 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11J3713	0.50	ND	1	10/28/2011	10/28/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11J3713	0.50	ND	1	10/28/2011	10/28/2011	
1,2-Dichloroethane	EPA 8260B	11J3713	0.50	ND	1	10/28/2011	10/28/2011	
Ethylbenzene	EPA 8260B	11J3713	0.50	ND	1	10/28/2011	10/28/2011	
Toluene	EPA 8260B	11J3713	0.50	ND	1	10/28/2011	10/28/2011	
Xylenes, Total	EPA 8260B	11J3713	1.0	ND	1	10/28/2011	10/28/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11J3713	1.0	ND	1	10/28/2011	10/28/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11J3713	1.0	ND	1	10/28/2011	10/28/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11J3713	1.0	**3.5**	1	10/28/2011	10/28/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11J3713	1.0	ND	1	10/28/2011	10/28/2011	
tert-Butanol (TBA)	EPA 8260B	11J3713	10	ND	1	10/28/2011	10/28/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*100 %*				
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Sample ID: IUJ2720-10 (MW-11 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11J3713	0.50	ND	1	10/28/2011	10/28/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11J3713	0.50	ND	1	10/28/2011	10/28/2011	
1,2-Dichloroethane	EPA 8260B	11J3713	0.50	ND	1	10/28/2011	10/28/2011	
Ethylbenzene	EPA 8260B	11J3713	0.50	ND	1	10/28/2011	10/28/2011	
Toluene	EPA 8260B	11J3713	0.50	ND	1	10/28/2011	10/28/2011	
Xylenes, Total	EPA 8260B	11J3713	1.0	ND	1	10/28/2011	10/28/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11J3713	1.0	ND	1	10/28/2011	10/28/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11J3713	1.0	ND	1	10/28/2011	10/28/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11J3713	1.0	**1.8**	1	10/28/2011	10/28/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11J3713	1.0	ND	1	10/28/2011	10/28/2011	
tert-Butanol (TBA)	EPA 8260B	11J3713	10	ND	1	10/28/2011	10/28/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				

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San Jose, CA 95112-1105
Attention: Lorin King

Project ID: 3420 San Pablo Ave., Oakland, CA
Report Number: IUJ2720

Sampled: 10/18/11
Received: 10/20/11

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS BY GC/MS (CA LUFT)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11J3713 Extracted: 10/28/11										
Blank Analyzed: 10/28/2011 (11J3713-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	50	ug/l							
Surrogate: Dibromofluoromethane	*25.2*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Toluene-d8	*25.0*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			
LCS Analyzed: 10/28/2011 (11J3713-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	430	50	ug/l	500		86	55-130			
Surrogate: Dibromofluoromethane	*24.9*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: Toluene-d8	*25.3*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.9*		*ug/l*	*25.0*		*100*	*80-120*			
Matrix Spike Analyzed: 10/28/2011 (11J3713-MS1)					**Source: IUJ2720-08**					
Volatile Fuel Hydrocarbons (C4-C12)	1500	50	ug/l	1720	85.1	82	50-145			
Surrogate: Dibromofluoromethane	*24.4*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Toluene-d8	*25.7*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.9*		*ug/l*	*25.0*		*100*	*80-120*			
Matrix Spike Dup Analyzed: 10/28/2011 (11J3713-MSD1)					**Source: IUJ2720-08**					
Volatile Fuel Hydrocarbons (C4-C12)	1290	50	ug/l	1720	85.1	70	50-145	15	20	
Surrogate: Dibromofluoromethane	*24.2*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Toluene-d8	*25.0*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.2*		*ug/l*	*25.0*		*97*	*80-120*			
Batch: 11J3723 Extracted: 10/28/11										
Blank Analyzed: 10/28/2011 (11J3723-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	50	ug/l							
Surrogate: Dibromofluoromethane	*23.5*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: Toluene-d8	*24.3*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.4*		*ug/l*	*25.0*		*94*	*80-120*			

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VOLATILE FUEL HYDROCARBONS BY GC/MS (CA LUFT)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11J3723 Extracted: 10/28/11										
LCS Analyzed: 10/28/2011 (11J3723-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	395	50	ug/l	500		79	55-130			*M-3*
Surrogate: Dibromofluoromethane	*23.9*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: Toluene-d8	*24.4*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.1*		*ug/l*	*25.0*		*96*	*80-120*			
Batch: 11J3852 Extracted: 10/29/11										
Blank Analyzed: 10/29/2011 (11J3852-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	50	ug/l							
Surrogate: Dibromofluoromethane	*24.9*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Toluene-d8	*25.5*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.1*		*ug/l*	*25.0*		*96*	*80-120*			
LCS Analyzed: 10/29/2011 (11J3852-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	408	50	ug/l	500		82	55-130			
Surrogate: Dibromofluoromethane	*24.1*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: Toluene-d8	*25.1*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.2*		*ug/l*	*25.0*		*97*	*80-120*			
Matrix Spike Analyzed: 10/29/2011 (11J3852-MS1)					**Source: IUJ2720-06**					
Volatile Fuel Hydrocarbons (C4-C12)	26800	500	ug/l	17200	11000	92	50-145			
Surrogate: Dibromofluoromethane	*230*		*ug/l*	*250*		*92*	*80-120*			
Surrogate: Toluene-d8	*252*		*ug/l*	*250*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*247*		*ug/l*	*250*		*99*	*80-120*			
Matrix Spike Dup Analyzed: 10/29/2011 (11J3852-MSD1)					**Source: IUJ2720-06**					
Volatile Fuel Hydrocarbons (C4-C12)	26900	500	ug/l	17200	11000	92	50-145	0.4	20	
Surrogate: Dibromofluoromethane	*234*		*ug/l*	*250*		*94*	*80-120*			
Surrogate: Toluene-d8	*252*		*ug/l*	*250*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*241*		*ug/l*	*250*		*97*	*80-120*			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11J3978 Extracted: 10/31/11										
Blank Analyzed: 10/31/2011 (11J3978-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	50	ug/l							
Surrogate: Dibromofluoromethane	*25.3*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Toluene-d8	*25.5*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.4*		*ug/l*	*25.0*		*98*	*80-120*			
LCS Analyzed: 10/31/2011 (11J3978-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	551	50	ug/l	500		110	55-130			
Surrogate: Dibromofluoromethane	*25.2*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Toluene-d8	*26.1*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.2*		*ug/l*	*25.0*		*97*	*80-120*			
Matrix Spike Analyzed: 10/31/2011 (11J3978-MS1)					**Source: IUJ2853-05**					
Volatile Fuel Hydrocarbons (C4-C12)	1950	50	ug/l	1720	208	101	50-145			
Surrogate: Dibromofluoromethane	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: Toluene-d8	*25.4*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.6*		*ug/l*	*25.0*		*98*	*80-120*			
Matrix Spike Dup Analyzed: 10/31/2011 (11J3978-MSD1)					**Source: IUJ2853-05**					
Volatile Fuel Hydrocarbons (C4-C12)	1960	50	ug/l	1720	208	102	50-145	0.5	20	
Surrogate: Dibromofluoromethane	*24.9*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Toluene-d8	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.9*		*ug/l*	*25.0*		*104*	*80-120*			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11J3713 Extracted: 10/28/11										
Blank Analyzed: 10/28/2011 (11J3713-BLK1)										
Benzene	ND	0.50	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
o-Xylene	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Di-isopropyl Ether (DIPE)	ND	1.0	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	1.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	1.0	ug/l							
tert-Butanol (TBA)	ND	10	ug/l							
Surrogate: 4-Bromofluorobenzene	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: Dibromofluoromethane	*25.2*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Toluene-d8	*25.0*		*ug/l*	*25.0*		*100*	*80-120*			
LCS Analyzed: 10/28/2011 (11J3713-BS1)										
Benzene	25.9	0.50	ug/l	25.0		104	70-120			
1,2-Dibromoethane (EDB)	26.1	0.50	ug/l	25.0		105	75-125			
1,2-Dichloroethane	25.8	0.50	ug/l	25.0		103	60-140			
Ethylbenzene	27.6	0.50	ug/l	25.0		111	75-125			
Toluene	26.3	0.50	ug/l	25.0		105	70-120			
m,p-Xylenes	55.0	1.0	ug/l	50.0		110	75-125			
o-Xylene	27.2	0.50	ug/l	25.0		109	75-125			
Xylenes, Total	82.2	1.0	ug/l	75.0		110	70-125			
Di-isopropyl Ether (DIPE)	25.8	1.0	ug/l	25.0		103	60-135			
Ethyl tert-Butyl Ether (ETBE)	23.5	1.0	ug/l	25.0		94	65-135			
Methyl-tert-butyl Ether (MTBE)	22.4	1.0	ug/l	25.0		89	60-135			
tert-Amyl Methyl Ether (TAME)	24.2	1.0	ug/l	25.0		97	60-135			
tert-Butanol (TBA)	147	10	ug/l	125		117	70-135			
Surrogate: 4-Bromofluorobenzene	*24.2*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Dibromofluoromethane	*23.9*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: Toluene-d8	*25.4*		*ug/l*	*25.0*		*102*	*80-120*			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11J3713 Extracted: 10/28/11										
Matrix Spike Analyzed: 10/28/2011 (11J3713-MS1)					**Source: IUJ2720-08**					
Benzene	27.1	0.50	ug/l	25.0	ND	109	65-125			
1,2-Dibromoethane (EDB)	29.2	0.50	ug/l	25.0	ND	117	70-130			
1,2-Dichloroethane	27.0	0.50	ug/l	25.0	ND	108	60-140			
Ethylbenzene	28.6	0.50	ug/l	25.0	ND	114	65-130			
Toluene	28.0	0.50	ug/l	25.0	ND	112	70-125			
m,p-Xylenes	57.2	1.0	ug/l	50.0	ND	114	65-130			
o-Xylene	28.4	0.50	ug/l	25.0	ND	113	65-125			
Xylenes, Total	85.5	1.0	ug/l	75.0	ND	114	60-130			
Di-isopropyl Ether (DIPE)	27.9	1.0	ug/l	25.0	ND	112	60-140			
Ethyl tert-Butyl Ether (ETBE)	32.8	1.0	ug/l	25.0	ND	131	60-135			
Methyl-tert-butyl Ether (MTBE)	34.0	1.0	ug/l	25.0	7.05	108	55-145			
tert-Amyl Methyl Ether (TAME)	36.5	1.0	ug/l	25.0	ND	146	60-140			*M1*
tert-Butanol (TBA)	130	10	ug/l	125	ND	104	65-140			
Surrogate: 4-Bromofluorobenzene	*24.9*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Dibromofluoromethane	*24.4*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Toluene-d8	*25.7*		*ug/l*	*25.0*		*103*	*80-120*			
Matrix Spike Dup Analyzed: 10/28/2011 (11J3713-MSD1)					**Source: IUJ2720-08**					
Benzene	25.7	0.50	ug/l	25.0	ND	103	65-125	6	20	
1,2-Dibromoethane (EDB)	27.2	0.50	ug/l	25.0	ND	109	70-130	7	25	
1,2-Dichloroethane	25.8	0.50	ug/l	25.0	ND	103	60-140	5	20	
Ethylbenzene	26.9	0.50	ug/l	25.0	ND	108	65-130	6	20	
Toluene	26.0	0.50	ug/l	25.0	ND	104	70-125	7	20	
m,p-Xylenes	53.1	1.0	ug/l	50.0	ND	106	65-130	7	25	
o-Xylene	26.4	0.50	ug/l	25.0	ND	106	65-125	7	20	
Xylenes, Total	79.6	1.0	ug/l	75.0	ND	106	60-130	7	20	
Di-isopropyl Ether (DIPE)	26.8	1.0	ug/l	25.0	ND	107	60-140	4	25	
Ethyl tert-Butyl Ether (ETBE)	31.8	1.0	ug/l	25.0	ND	127	60-135	3	25	
Methyl-tert-butyl Ether (MTBE)	32.9	1.0	ug/l	25.0	7.05	103	55-145	3	25	
tert-Amyl Methyl Ether (TAME)	35.0	1.0	ug/l	25.0	ND	140	60-140	4	30	
tert-Butanol (TBA)	122	10	ug/l	125	ND	98	65-140	6	25	
Surrogate: 4-Bromofluorobenzene	*24.2*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Dibromofluoromethane	*24.2*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Toluene-d8	*25.0*		*ug/l*	*25.0*		*100*	*80-120*			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11J3723 Extracted: 10/28/11										
Blank Analyzed: 10/28/2011 (11J3723-BLK1)										
Benzene	ND	0.50	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
o-Xylene	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Di-isopropyl Ether (DIPE)	ND	1.0	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	1.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	1.0	ug/l							
tert-Butanol (TBA)	ND	10	ug/l							
Surrogate: 4-Bromofluorobenzene	*23.4*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: Dibromofluoromethane	*23.5*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: Toluene-d8	*24.3*		*ug/l*	*25.0*		*97*	*80-120*			
LCS Analyzed: 10/28/2011 (11J3723-BS1)										
Benzene	23.8	0.50	ug/l	25.0		95	70-120			
1,2-Dibromoethane (EDB)	25.7	0.50	ug/l	25.0		103	75-125			
1,2-Dichloroethane	25.0	0.50	ug/l	25.0		100	60-140			
Ethylbenzene	24.8	0.50	ug/l	25.0		99	75-125			
Toluene	25.9	0.50	ug/l	25.0		104	70-120			
m,p-Xylenes	53.3	1.0	ug/l	50.0		107	75-125			
o-Xylene	26.9	0.50	ug/l	25.0		108	75-125			
Xylenes, Total	80.2	1.0	ug/l	75.0		107	70-125			
Di-isopropyl Ether (DIPE)	25.8	1.0	ug/l	25.0		103	60-135			
Ethyl tert-Butyl Ether (ETBE)	24.6	1.0	ug/l	25.0		99	65-135			
Methyl-tert-butyl Ether (MTBE)	21.6	1.0	ug/l	25.0		87	60-135			
tert-Amyl Methyl Ether (TAME)	23.3	1.0	ug/l	25.0		93	60-135			
tert-Butanol (TBA)	149	10	ug/l	125		119	70-135			
Surrogate: 4-Bromofluorobenzene	*23.9*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: Dibromofluoromethane	*24.2*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Toluene-d8	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11J3723 Extracted: 10/28/11										
Matrix Spike Analyzed: 10/28/2011 (11J3723-MS1)					**Source: IUJ2719-06**					
Benzene	40.3	0.50	ug/l	25.0	20.0	81	65-125			
1,2-Dibromoethane (EDB)	22.7	0.50	ug/l	25.0	ND	91	70-130			
1,2-Dichloroethane	20.9	0.50	ug/l	25.0	ND	83	60-140			
Ethylbenzene	34.5	0.50	ug/l	25.0	12.8	87	65-130			
Toluene	25.8	0.50	ug/l	25.0	1.82	96	70-125			
m,p-Xylenes	70.2	1.0	ug/l	50.0	22.5	95	65-130			
o-Xylene	27.1	0.50	ug/l	25.0	2.28	99	65-125			
Xylenes, Total	97.2	1.0	ug/l	75.0	24.8	97	60-130			
Di-isopropyl Ether (DIPE)	21.1	1.0	ug/l	25.0	ND	84	60-140			
Ethyl tert-Butyl Ether (ETBE)	21.1	1.0	ug/l	25.0	ND	85	60-135			
Methyl-tert-butyl Ether (MTBE)	49.5	1.0	ug/l	25.0	29.8	79	55-145			
tert-Amyl Methyl Ether (TAME)	20.1	1.0	ug/l	25.0	ND	80	60-140			
tert-Butanol (TBA)	399	10	ug/l	125	250	119	65-140			
Surrogate: 4-Bromofluorobenzene	*24.4*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Dibromofluoromethane	*22.5*		*ug/l*	*25.0*		*90*	*80-120*			
Surrogate: Toluene-d8	*25.3*		*ug/l*	*25.0*		*101*	*80-120*			
Matrix Spike Dup Analyzed: 10/28/2011 (11J3723-MSD1)					**Source: IUJ2719-06**					
Benzene	41.9	0.50	ug/l	25.0	20.0	88	65-125	4	20	
1,2-Dibromoethane (EDB)	23.5	0.50	ug/l	25.0	ND	94	70-130	3	25	
1,2-Dichloroethane	21.0	0.50	ug/l	25.0	ND	84	60-140	0.6	20	
Ethylbenzene	35.5	0.50	ug/l	25.0	12.8	91	65-130	3	20	
Toluene	27.1	0.50	ug/l	25.0	1.82	101	70-125	5	20	
m,p-Xylenes	72.3	1.0	ug/l	50.0	22.5	100	65-130	3	25	
o-Xylene	28.9	0.50	ug/l	25.0	2.28	106	65-125	6	20	
Xylenes, Total	101	1.0	ug/l	75.0	24.8	102	60-130	4	20	
Di-isopropyl Ether (DIPE)	22.4	1.0	ug/l	25.0	ND	90	60-140	6	25	
Ethyl tert-Butyl Ether (ETBE)	22.4	1.0	ug/l	25.0	ND	90	60-135	6	25	
Methyl-tert-butyl Ether (MTBE)	49.9	1.0	ug/l	25.0	29.8	80	55-145	0.9	25	
tert-Amyl Methyl Ether (TAME)	21.4	1.0	ug/l	25.0	ND	86	60-140	6	30	
tert-Butanol (TBA)	403	10	ug/l	125	250	123	65-140	1	25	
Surrogate: 4-Bromofluorobenzene	*24.0*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: Dibromofluoromethane	*23.0*		*ug/l*	*25.0*		*92*	*80-120*			
Surrogate: Toluene-d8	*25.0*		*ug/l*	*25.0*		*100*	*80-120*			

TestAmerica Irvine

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Project Manager

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

Project ID: 3420 San Pablo Ave., Oakland, CA
Report Number: IUJ2720

Sampled: 10/18/11
Received: 10/20/11

METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11J3852 Extracted: 10/29/11										
Blank Analyzed: 10/29/2011 (11J3852-BLK1)										
Benzene	ND	0.50	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
o-Xylene	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Di-isopropyl Ether (DIPE)	ND	1.0	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	1.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	1.0	ug/l							
tert-Butanol (TBA)	ND	10	ug/l							
Surrogate: 4-Bromofluorobenzene	*24.1*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: Dibromofluoromethane	*24.9*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Toluene-d8	*25.5*		*ug/l*	*25.0*		*102*	*80-120*			
LCS Analyzed: 10/29/2011 (11J3852-BS1)										
Benzene	26.3	0.50	ug/l	25.0		105	70-120			
1,2-Dibromoethane (EDB)	27.4	0.50	ug/l	25.0		109	75-125			
1,2-Dichloroethane	24.1	0.50	ug/l	25.0		96	60-140			
Ethylbenzene	27.4	0.50	ug/l	25.0		110	75-125			
Toluene	26.7	0.50	ug/l	25.0		107	70-120			
m,p-Xylenes	55.2	1.0	ug/l	50.0		110	75-125			
o-Xylene	27.5	0.50	ug/l	25.0		110	75-125			
Xylenes, Total	82.7	1.0	ug/l	75.0		110	70-125			
Di-isopropyl Ether (DIPE)	27.0	1.0	ug/l	25.0		108	60-135			
Ethyl tert-Butyl Ether (ETBE)	27.3	1.0	ug/l	25.0		109	65-135			
Methyl-tert-butyl Ether (MTBE)	25.2	1.0	ug/l	25.0		101	60-135			
tert-Amyl Methyl Ether (TAME)	29.9	1.0	ug/l	25.0		120	60-135			
tert-Butanol (TBA)	125	10	ug/l	125		100	70-135			
Surrogate: 4-Bromofluorobenzene	*24.6*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Dibromofluoromethane	*24.3*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Toluene-d8	*25.5*		*ug/l*	*25.0*		*102*	*80-120*			

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Received: 10/20/11

METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11J3852 Extracted: 10/29/11										
Matrix Spike Analyzed: 10/29/2011 (11J3852-MS1)					**Source: IUJ2720-06**					
Benzene	923	5.0	ug/l	250	545	151	65-125			*M1*
1,2-Dibromoethane (EDB)	288	5.0	ug/l	250	ND	115	70-130			
1,2-Dichloroethane	263	5.0	ug/l	250	ND	105	60-140			
Ethylbenzene	517	5.0	ug/l	250	200	127	65-130			
Toluene	289	5.0	ug/l	250	ND	116	70-125			
m,p-Xylenes	639	10	ug/l	500	39.7	120	65-130			
o-Xylene	295	5.0	ug/l	250	ND	118	65-125			
Xylenes, Total	933	10	ug/l	750	41.2	119	60-130			
Di-isopropyl Ether (DIPE)	274	10	ug/l	250	ND	110	60-140			
Ethyl tert-Butyl Ether (ETBE)	281	10	ug/l	250	ND	112	60-135			
Methyl-tert-butyl Ether (MTBE)	352	10	ug/l	250	79.5	109	55-145			
tert-Amyl Methyl Ether (TAME)	299	10	ug/l	250	ND	120	60-140			
tert-Butanol (TBA)	1420	100	ug/l	1250	ND	114	65-140			
Surrogate: 4-Bromofluorobenzene	*247*		*ug/l*	*250*		*99*	*80-120*			
Surrogate: Dibromofluoromethane	*230*		*ug/l*	*250*		*92*	*80-120*			
Surrogate: Toluene-d8	*252*		*ug/l*	*250*		*101*	*80-120*			
Matrix Spike Dup Analyzed: 10/29/2011 (11J3852-MSD1)					**Source: IUJ2720-06**					
Benzene	930	5.0	ug/l	250	545	154	65-125	0.8	20	*M1*
1,2-Dibromoethane (EDB)	290	5.0	ug/l	250	ND	116	70-130	0.4	25	
1,2-Dichloroethane	257	5.0	ug/l	250	ND	103	60-140	2	20	
Ethylbenzene	520	5.0	ug/l	250	200	128	65-130	0.6	20	
Toluene	285	5.0	ug/l	250	ND	114	70-125	2	20	
m,p-Xylenes	629	10	ug/l	500	39.7	118	65-130	1	25	
o-Xylene	291	5.0	ug/l	250	ND	116	65-125	1	20	
Xylenes, Total	920	10	ug/l	750	41.2	117	60-130	1	20	
Di-isopropyl Ether (DIPE)	274	10	ug/l	250	ND	109	60-140	0.1	25	
Ethyl tert-Butyl Ether (ETBE)	290	10	ug/l	250	ND	116	60-135	3	25	
Methyl-tert-butyl Ether (MTBE)	367	10	ug/l	250	79.5	115	55-145	4	25	
tert-Amyl Methyl Ether (TAME)	312	10	ug/l	250	ND	125	60-140	4	30	
tert-Butanol (TBA)	1410	100	ug/l	1250	ND	113	65-140	0.6	25	
Surrogate: 4-Bromofluorobenzene	*241*		*ug/l*	*250*		*97*	*80-120*			
Surrogate: Dibromofluoromethane	*234*		*ug/l*	*250*		*94*	*80-120*			
Surrogate: Toluene-d8	*252*		*ug/l*	*250*		*101*	*80-120*			

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

Project ID: 3420 San Pablo Ave., Oakland, CA
Report Number: IUJ2720

Sampled: 10/18/11
Received: 10/20/11

METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11J3868 Extracted: 10/29/11										
Blank Analyzed: 10/29/2011 (11J3868-BLK1)										
Benzene	ND	0.50	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
o-Xylene	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Di-isopropyl Ether (DIPE)	ND	1.0	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	1.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	1.0	ug/l							
tert-Butanol (TBA)	ND	10	ug/l							
Surrogate: 4-Bromofluorobenzene	*24.4*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Dibromofluoromethane	*25.5*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: Toluene-d8	*25.1*		*ug/l*	*25.0*		*100*	*80-120*			
LCS Analyzed: 10/29/2011 (11J3868-BS1)										
Benzene	25.9	0.50	ug/l	25.0		104	70-120			
1,2-Dibromoethane (EDB)	27.7	0.50	ug/l	25.0		111	75-125			
1,2-Dichloroethane	26.5	0.50	ug/l	25.0		106	60-140			
Ethylbenzene	27.3	0.50	ug/l	25.0		109	75-125			
Toluene	26.4	0.50	ug/l	25.0		106	70-120			
m,p-Xylenes	54.5	1.0	ug/l	50.0		109	75-125			
o-Xylene	27.0	0.50	ug/l	25.0		108	75-125			
Xylenes, Total	81.5	1.0	ug/l	75.0		109	70-125			
Di-isopropyl Ether (DIPE)	27.1	1.0	ug/l	25.0		108	60-135			
Ethyl tert-Butyl Ether (ETBE)	26.5	1.0	ug/l	25.0		106	65-135			
Methyl-tert-butyl Ether (MTBE)	25.3	1.0	ug/l	25.0		101	60-135			
tert-Amyl Methyl Ether (TAME)	27.9	1.0	ug/l	25.0		112	60-135			
tert-Butanol (TBA)	135	10	ug/l	125		108	70-135			
Surrogate: 4-Bromofluorobenzene	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: Dibromofluoromethane	*24.9*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: Toluene-d8	*25.2*		*ug/l*	*25.0*		*101*	*80-120*			

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

Project ID: 3420 San Pablo Ave., Oakland, CA

Report Number: IUJ2720

Sampled: 10/18/11
Received: 10/20/11

METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11J3868 Extracted: 10/29/11										
Matrix Spike Analyzed: 10/29/2011 (11J3868-MS1)					**Source: IUJ2574-01**					
Benzene	35.2	0.50	ug/l	25.0	8.18	108	65-125			
1,2-Dibromoethane (EDB)	29.1	0.50	ug/l	25.0	ND	116	70-130			
1,2-Dichloroethane	26.4	0.50	ug/l	25.0	0.340	104	60-140			
Ethylbenzene	33.5	0.50	ug/l	25.0	4.76	115	65-130			
Toluene	28.3	0.50	ug/l	25.0	ND	113	70-125			
m,p-Xylenes	85.3	1.0	ug/l	50.0	29.1	112	65-130			
o-Xylene	32.3	0.50	ug/l	25.0	3.62	115	65-125			
Xylenes, Total	118	1.0	ug/l	75.0	32.7	113	60-130			
Di-isopropyl Ether (DIPE)	28.3	1.0	ug/l	25.0	0.710	111	60-140			
Ethyl tert-Butyl Ether (ETBE)	29.4	1.0	ug/l	25.0	ND	118	60-135			
Methyl-tert-butyl Ether (MTBE)	26.8	1.0	ug/l	25.0	0.410	105	55-145			
tert-Amyl Methyl Ether (TAME)	31.8	1.0	ug/l	25.0	ND	127	60-140			
tert-Butanol (TBA)	294	10	ug/l	125	164	104	65-140			
Surrogate: 4-Bromofluorobenzene	*25.3*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Dibromofluoromethane	*23.9*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Toluene-d8	*25.3*		*ug/l*	*25.0*		*101*	*80-120*			
Matrix Spike Dup Analyzed: 10/29/2011 (11J3868-MSD1)					**Source: IUJ2574-01**					
Benzene	35.4	0.50	ug/l	25.0	8.18	109	65-125	0.7	20	
1,2-Dibromoethane (EDB)	29.6	0.50	ug/l	25.0	ND	119	70-130	2	25	
1,2-Dichloroethane	26.7	0.50	ug/l	25.0	0.340	105	60-140	0.8	20	
Ethylbenzene	33.0	0.50	ug/l	25.0	4.76	113	65-130	2	20	
Toluene	29.0	0.50	ug/l	25.0	ND	116	70-125	2	20	
m,p-Xylenes	83.5	1.0	ug/l	50.0	29.1	109	65-130	2	25	
o-Xylene	31.8	0.50	ug/l	25.0	3.62	113	65-125	2	20	
Xylenes, Total	115	1.0	ug/l	75.0	32.7	110	60-130	2	20	
Di-isopropyl Ether (DIPE)	28.6	1.0	ug/l	25.0	0.710	112	60-140	1	25	
Ethyl tert-Butyl Ether (ETBE)	31.4	1.0	ug/l	25.0	ND	125	60-135	6	25	
Methyl-tert-butyl Ether (MTBE)	28.4	1.0	ug/l	25.0	0.410	112	55-145	6	25	
tert-Amyl Methyl Ether (TAME)	35.1	1.0	ug/l	25.0	ND	140	60-140	10	30	
tert-Butanol (TBA)	282	10	ug/l	125	164	95	65-140	4	25	
Surrogate: 4-Bromofluorobenzene	*24.4*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Dibromofluoromethane	*24.1*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: Toluene-d8	*25.7*		*ug/l*	*25.0*		*103*	*80-120*			

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1680 Rogers Avenue
San Jose, CA 95112-1105
Attention: Lorin King

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DATA QUALIFIERS AND DEFINITIONS

M1 The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).

M-3 Results exceeded the linear range in the MS/MSD and therefore are not available for reporting. The batch was accepted based on acceptable recovery in the Blank Spike (LCS).

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

RPD Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

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

For Volatile Fuel Hydrocarbons (C4-C12):

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

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Certification Summary

TestAmerica Irvine

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

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

TestAmerica Irvine

Philip Sanelle
Project Manager

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name: Peter Schaefer 240554

INCIDENT # (ENV SERVICES): 98997584 ☐ CHECK IF NO INCIDENT # APPLIES

PO #: 40-40347373

SAP #:

DATE: 10/18/11

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

PHONE NO.: 510-420-3343

E-MAIL: shelledf@craworld.com

CONSULTANT PROJECT NO.: 111018-CK1

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

TELEPHONE: 310-995-4455 x 108

FAX: 310-637-5802

E-MAIL: lking@blainetech.com

SAMPLER NAME(S) (Print): COREY KILPATRICK

LAB USE ONLY: 311220

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

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

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH -GRO, Purgeable (8260B)	TPH -DRO, Extractable (8015M)	TPHg (8015M)	BTEX (8260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B)	BTEX + 6 OXYs (MTBE, TBA, DIPE, TAME, ETBE) 8260B	Full VOC list (8260B)	Single Compound: (8260B)	1,2-DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	Container PID Readings or Laboratory Notes
	MW-1	10/10/11	1515	W	3					3	X						X			X	X			
	MW-2		1548	W	3					3	X						X			X	X			
	MW-3R		1235	W	3					3	X						X			X	X			
	MW-4		1450	W	3					3	X						X			X	X			
	MW-5		1635	W	3					3	X						X			X	X			TW 10/22/11
	MW-6R		1345	W	3					3	X						X			X	X			8:55
	MW-7		1650	W	3					3	X						X			X	X			
	MW-9		1450	W	3					3	X						X			X	X			
	MW-10		1625	W	3					3	X						X			X	X			
	MW-11	↓	1020	W	3					3	X						X			X	X			

TEMPERATURE ON RECEIPT C°: 3.7°

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
	(SAMPLE CUSTODIAN)	10/18/11	1840
		10/19/11	1120
10-18-11 15:00		10/20/11	0450

05/2/08 Revision

(CS)