CONESTOGA-ROVERS & ASSOCIATES

5900 Hollis Street, Suite A
Emeryville, California 94608
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www.CRAworld.com

TRANSMITTAL

DATE: October 3, 2011

REFERENCE NO.: 240467

PROJECT NAME: 1601 Webster Street, Alameda

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

RECEIVED
10:20 am, Oct 06, 2011
Alameda County
Environmental Health

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QUANTITY	DESCRIPTION
1	Groundwater Monitoring Report – Third Quarter 2011

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

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

Copy to: Denis Brown, Shell Oil Products US (electronic copy)
Thomas H. Kosel, ConocoPhillips Risk Management & Remediation, 76 Broadway, Sacramento, CA 95818
James C. Kirschner, ATC Associates, Inc., 6602 Owens Drive, Suite 100, Pleasanton, CA 94588
SF Data Room (electronic copy)

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

Barbara Jakub
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Shell-branded Service Station
1601 Webster Street
Alameda, California
SAP Code 135032
Incident No. 97564701
ACEH Case No. RO0002745

Dear Ms. Jakub:

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 - THIRD QUARTER 2011

SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET
ALAMEDA, CALIFORNIA

SAP CODE	135032
INCIDENT NO.	97564701
AGENCY NO.	RO0002745

Prepared by:
Conestoga-Rovers & Associates

5900 Hollis Street, Suite A
Emeryville, California
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OCTOBER 3, 2011
REF. NO. 240467 (9)
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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	1601 Webster Street, Alameda
Site Use	Shell-branded Service Station
Shell Project Manager	Denis Brown
CRA Project Manager	Peter Schaefer
Lead Agency and Contact	ACEH, Barbara Jakub
Agency Case No.	RO0002745
Shell SAP Code	135032
Shell Incident No.	97564701

Date of most recent agency correspondence was September 13, 2011 (electronic).

2.0 SITE ACTIVITIES, FINDINGS, AND DISCUSSION

2.1 CURRENT QUARTER'S ACTIVITIES

Blaine Tech Services, Inc. (Blaine) gauged and sampled the wells according to the established monitoring program for this site. Blaine coordinated groundwater sampling with the adjacent former 76 Station No. 0834 located at 1629 Webster Street, Alameda.

CRA prepared a vicinity map (Figure 1), a groundwater contour and chemical concentration map (Figure 2) including data from both sites, 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. The data tables for the former 76 Station are included in Appendix C.

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Northerly to northeasterly
Hydraulic Gradient	0.004
Depth to Water	5.43 to 7.24 feet below top of well casing

2.3 PROPOSED ACTIVITIES

Blaine will gauge and sample wells according to the established monitoring program for this site. This site is monitored semiannually during the first and third quarters, and CRA will issue groundwater monitoring reports semiannually following the sampling events.

Per Alameda County Environmental Health's September 13, 2011 electronic correspondence, we will discontinue semiannual analysis of groundwater samples from all wells for di-isopropyl ether (DIPE), ethyl tertiary-butyl ether (ETBE), and tertiary-amyl methyl ether (TAME) and conduct a one-time only analysis of groundwater samples from all wells for 1,2-dichloroethane and ethylene dibromide during the first quarter of 2012. In accordance with Shell internal standards, we will analyze groundwater samples from wells S-4, S-7, and S-8 for DIPE, ETBE, and TAME on an annual basis during the third quarter.

2.4 DISCUSSION

Shell and Union Oil Company have filed a claim with the California State Water Resources Control Board (SWRCB) to combine investigation, remediation, and monitoring activities for the subject site and the adjacent former 76 Station No. 0834 located at 1629 Webster Street, Alameda with the Underground Storage Tank Cleanup Fund Commingled Plume Account Program. The claim is under review by the SWRCB.

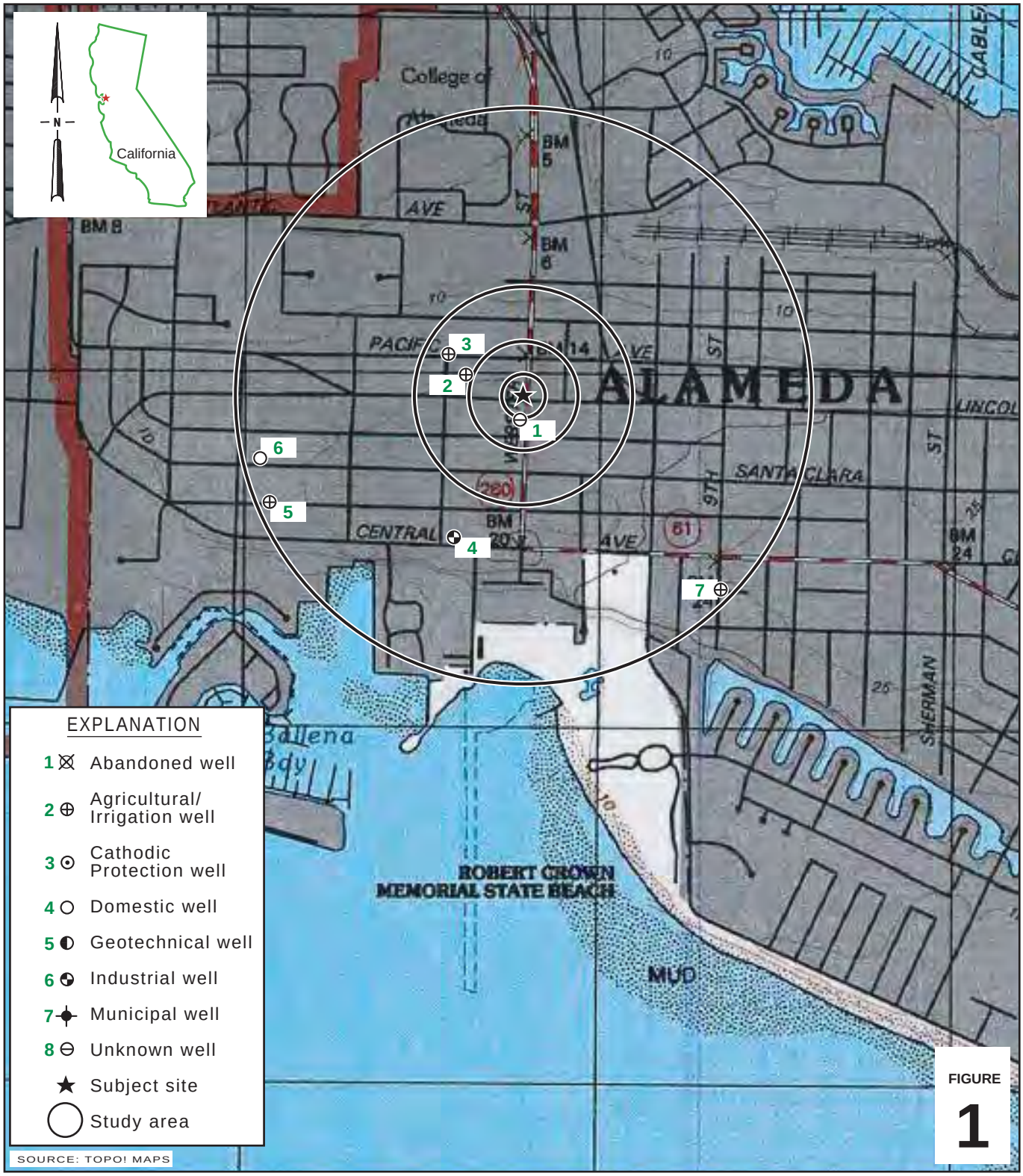
All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

Peter Schaefer, CHG, ~~CEG~~

Aubrey K. Cool, PG

FIGURES

01/20/09



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SCALE : 1" = 1/4 MILE

Shell-branded Service Station

1601 Webster Street

Alameda, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

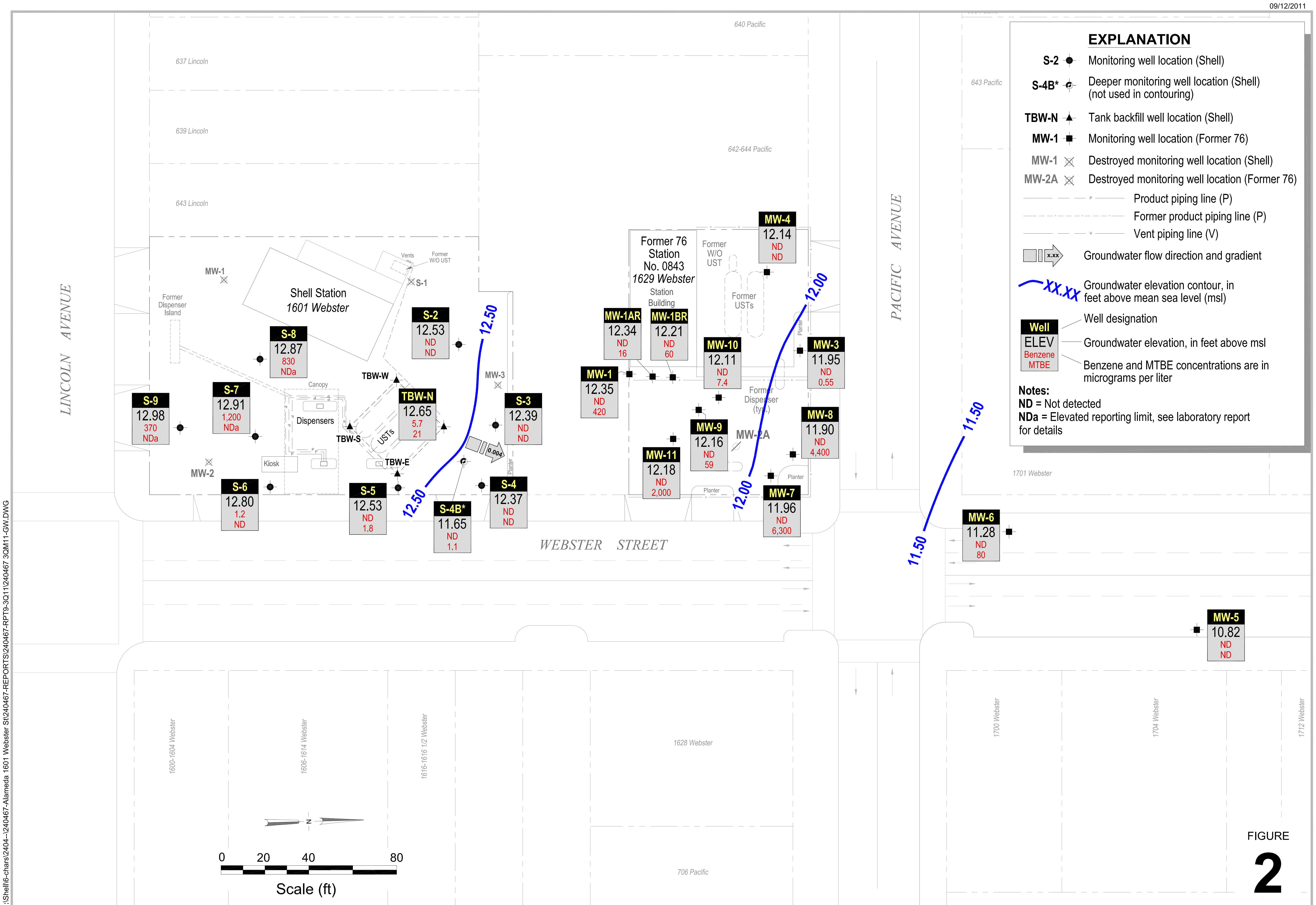

FIGURE 2

Groundwater Contour and Chemical Concentration Map

August 4, 2011

CONESTOGA-ROVERS & ASSOCIATES

Shell-branded Service Station

1601 Webster Avenue

Alameda, California

TABLE

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness	GW Elevation (ft MSL)
S-2	11/14/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	19.73	7.60	---	12.13
S-2	11/22/2005	996	0.630	0.500	0.500	3.10	406	18.0	<0.500	<0.500	0.570	---	---	---	19.73	7.70	---	12.03
S-2	02/24/2006	<50 b	<0.50	<0.50	<0.50	<0.50	2.0	<5.0	<0.50	<0.50	<0.50	---	---	---	19.73	6.29	---	13.44
S-2	05/30/2006	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	---	---	---	19.73	6.14	---	13.59
S-2	08/30/2006	420	<0.500	<0.500	<0.500	<0.500	4.42	<10.0	<0.500	<0.500	<0.500	---	---	---	19.73	7.18	---	12.55
S-2	11/22/2006	110	<0.50	<0.50	<0.50	<1.0	62	<5.0	<2.0	<2.0	<2.0	---	---	---	19.73	7.55	---	12.18
S-2	02/23/2007	140	<0.50	<0.50	<0.50	<1.0	110	<5.0	<2.0	<2.0	<2.0	---	---	---	19.73	6.77	---	12.96
S-2	05/18/2007	<50 h	<0.50	<1.0	<1.0	<1.0	18	<10	<2.0	<2.0	<2.0	---	---	---	19.73	7.02	---	12.71
S-2	08/10/2007	<50 h	<0.50	<1.0	<1.0	<1.0	40	<10	<2.0	<2.0	<2.0	---	---	---	19.73	7.65	---	12.08
S-2	11/09/2007	130 h,i	<0.50	<1.0	<1.0	<1.0	190	<10	<2.0	<2.0	<2.0	---	---	---	19.73	7.87	---	11.86
S-2	02/08/2008	83 h,i	<1.0	<2.0	<2.0	<2.0	180	<20	<4.0	<4.0	<4.0	---	---	---	19.73	6.52	---	13.21
S-2	05/16/2008	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.73	7.30	---	12.43
S-2	08/15/2008	<50	<0.50	<1.0	<1.0	<1.0	7.1	<10	<2.0	<2.0	<2.0	---	---	---	19.73	8.38	---	11.35
S-2	11/26/2008	<50	<0.50	<1.0	<1.0	<1.0	32	<10	<2.0	<2.0	<2.0	---	---	---	19.73	9.13	---	10.60
S-2	02/27/2009	90	<0.50	<1.0	<1.0	<1.0	85	<10	<2.0	<2.0	<2.0	---	---	---	19.73	7.05	---	12.68
S-2	05/28/2009	<50	<0.50	<1.0	<1.0	<1.0	8.0	<10	<2.0	<2.0	<2.0	---	---	---	19.73	6.93	---	12.80
S-2	09/14/2009	<50	<0.50	<1.0	<1.0	<1.0	17	<10	<2.0	<2.0	<2.0	---	---	---	19.73	8.20	---	11.53
S-2	02/05/2010	68	<0.50	<1.0	<1.0	<1.0	52	<10	<2.0	<2.0	<2.0	---	---	---	19.73	7.12	---	12.61
S-2	08/03/2010	<50	<0.50	<1.0	<1.0	<1.0	1.7	<10	<2.0	<2.0	<2.0	---	---	---	19.73	7.59	---	12.14
S-2	02/14/2011	<50	2.6	3.5	1.2	5.7	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	19.73	7.16	---	12.57
S-2	08/04/2011	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	19.73	7.20	---	12.53
S-3	11/14/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	19.14	7.01	---	12.13
S-3	11/22/2005	3,900	<0.500	<0.500	<0.500	0.900	3,730	26.0	<0.500	<0.500	3.44	---	---	---	19.14	7.15	---	11.99
S-3	02/24/2006	580 b	<0.50	<0.50	<0.50	<0.50	360	<5.0	<0.50	<0.50	<0.50	---	---	---	19.14	5.95	---	13.19
S-3	05/30/2006	<50.0	<0.500	<0.500	<0.500	0.510	52.2	<10.0	<0.500	<0.500	<0.500	---	---	---	19.14	5.85	---	13.29
S-3	08/30/2006	2,910	<0.500	<0.500	<0.500	<0.500	882	<10.0	<0.500	<0.500	<0.500	---	---	---	19.14	6.71	---	12.43
S-3	11/22/2006	240	<0.50	<0.50	<0.50	<1.0	150	30	<2.0	<2.0	<2.0	---	---	---	19.14	7.05	---	12.09
S-3	02/23/2007	78	<0.50	<0.50	<0.50	<1.0	78	5.4	<2.0	<2.0	<2.0	---	---	---	19.14	6.30	---	12.84
S-3	05/18/2007	120 h,i	<0.50	<1.0	<1.0	<1.0	150	73	<2.0	<2.0	<2.0	---	---	---	19.14	6.58	---	12.56
S-3	08/10/2007	<50 h	<1.0	<2.0	<2.0	<2.0	200	21	<4.0	<4.0	<4.0	---	---	---	19.14	7.09	---	12.05
S-3	11/09/2007	69 h,i	<0.50	<1.0	<1.0	<1.0	100	<10	<2.0	<2.0	<2.0	---	---	---	19.14	7.28	---	11.86
S-3	02/08/2008	<50 h	<0.50	<1.0	<1.0	<1.0	8.5	<10	<2.0	<2.0	<2.0	---	---	---	19.14	6.06	---	13.08

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness	GW Elevation (ft MSL)
S-3	05/16/2008	71	<0.50	<1.0	<1.0	<1.0	100	<10	<2.0	<2.0	<2.0	—	—	—	19.14	6.84	—	12.30
S-3	08/15/2008	<50	<0.50	<1.0	<1.0	<1.0	9.0	<10	<2.0	<2.0	<2.0	—	—	—	19.14	7.83	—	11.31
S-3	11/26/2008	<50	0.53	<1.0	<1.0	1.5	12	<10	<2.0	<2.0	<2.0	—	—	—	19.14	8.70	—	10.44
S-3	02/27/2009	<50	<0.50	<1.0	<1.0	<1.0	3.2	<10	<2.0	<2.0	<2.0	—	—	—	19.14	6.97	—	12.17
S-3	05/28/2009	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	—	—	—	19.14	6.41	—	12.73
S-3	09/14/2009	<50	<0.50	<1.0	<1.0	<1.0	6.1	<10	<2.0	<2.0	<2.0	—	—	—	19.14	7.60	—	11.54
S-3	02/05/2010	<50	<0.50	<1.0	<1.0	<1.0	1.8	<10	<2.0	<2.0	<2.0	—	—	—	19.14	6.63	—	12.51
S-3	08/03/2010	<50	<0.50	<1.0	<1.0	<1.0	5.4	<10	<2.0	<2.0	<2.0	—	—	—	19.14	7.05	—	12.09
S-3	02/14/2011	<50	1.7	2.6	0.95	4.6	<1.0	<10	<1.0	<1.0	<1.0	—	—	—	19.14	6.71	—	12.43
S-3	**08/04/2011**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<1.0**	**<10**	**<1.0**	**<1.0**	**<1.0**	**—**	**—**	**—**	**19.14**	**6.75**	**—**	**12.39**
S-4	11/14/2005	—	—	—	—	—	—	—	—	—	—	—	—	—	18.16	6.00	—	12.16
S-4	11/22/2005	4,570	<0.500	<0.500	<0.500	0.660	3,450	26.0	<0.500	<0.500	3.57	—	—	—	18.16	6.10	—	12.06
S-4	02/24/2006	2,200 b	<0.50	<0.50	<0.50	<0.50	1,400	13 c	<0.50	<0.50	1.4	—	—	—	18.16	5.09	—	13.07
S-4	05/30/2006	1,100	<0.500	<0.500	<0.500	<0.500	1,060	87.5	<0.500	<0.500	1.04	—	—	—	18.16	5.00	—	13.16
S-4	08/30/2006	3,170	<0.500	<0.500	<0.500	<0.500	1,000	120	<0.500	<0.500	0.850	—	—	—	18.16	5.81	—	12.35
S-4	11/22/2006	520	<0.50	<0.50	<0.50	<1.0	480	5.2	<2.0	<2.0	<2.0	—	—	—	18.16	5.93	—	12.23
S-4	02/23/2007	180	<0.50	<0.50	<0.50	<1.0	130	9.6	<2.0	<2.0	<2.0	—	—	—	18.16	5.40	—	12.76
S-4	05/18/2007	220 h,i	<2.5	<5.0	<5.0	2.5 j	420	<50	<10	<10	<10	—	—	—	18.16	5.62	—	12.54
S-4	08/10/2007	98 h,i	<2.5	<5.0	<5.0	<5.0	540	29 j	<10	<10	<10	—	—	—	18.16	6.00	—	12.16
S-4	11/09/2007	190 h,i	<2.5	<5.0	<5.0	<5.0	350	<50	<10	<10	<10	—	—	—	18.16	6.20	—	11.96
S-4	02/08/2008	<50 h	<0.50	<1.0	<1.0	<1.0	13	<10	<2.0	<2.0	<2.0	—	—	—	18.16	5.47	—	12.69
S-4	05/16/2008	87	<0.50	<1.0	<1.0	<1.0	120	<10	<2.0	<2.0	<2.0	—	—	—	18.16	6.00	—	12.16
S-4	08/15/2008	<50	<0.50	<1.0	<1.0	<1.0	42	<10	<2.0	<2.0	<2.0	—	—	—	18.16	6.85	—	11.31
S-4	11/26/2008	140	<0.50	<1.0	<1.0	<1.0	140	<10	<2.0	<2.0	<2.0	—	—	—	18.16	7.62	—	10.54
S-4	02/27/2009	56	<0.50	<1.0	<1.0	<1.0	43	<10	<2.0	<2.0	<2.0	—	—	—	18.16	5.35	—	12.81
S-4	05/28/2009	<50	<0.50	<1.0	<1.0	<1.0	12	<10	<2.0	<2.0	<2.0	—	—	—	18.16	5.40	—	12.76
S-4	09/14/2009	<50	<0.50	<1.0	<1.0	<1.0	6.7	<10	<2.0	<2.0	<2.0	—	—	—	18.16	6.55	—	11.61
S-4	02/05/2010	<50	<0.50	<1.0	<1.0	<1.0	4.3	<10	<2.0	<2.0	<2.0	—	—	—	18.16	5.62	—	12.54
S-4	08/03/2010	<50	<0.50	<1.0	<1.0	<1.0	10	<10	<2.0	<2.0	<2.0	—	—	—	18.16	6.09	—	12.07
S-4	02/14/2011	<50	1.3	2.2	0.91	4.4	1.6	<10	<1.0	<1.0	<1.0	—	—	—	18.16	5.80	—	12.36
S-4	**08/04/2011**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<1.0**	**<10**	**<1.0**	**<1.0**	**<1.0**	**—**	**—**	**—**	**18.16**	**5.79**	**—**	**12.37**

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness	GW Elevation (ft MSL)
S-4B	08/21/2006	—	—	—	—	—	—	—	—	—	—	—	—	—	18.78	6.14	—	12.64
S-4B	08/30/2006	3,630	<0.500	<0.500	5.32	<0.500	1,130	643	<0.500	<0.500	1.47	—	—	—	18.78	6.32	—	12.46
S-4B	11/22/2006	620	<0.50	<0.50	0.66	<1.0	580	680	<2.0	<2.0	<2.0	—	—	—	18.78	6.46	—	12.32
S-4B	02/23/2007	230	<1.0	<1.0	<1.0	<2.0	190	450	<4.0	<4.0	<4.0	—	—	—	18.78	6.64	—	12.14
S-4B	05/18/2007	200 h	<0.50	<1.0	<1.0	<1.0	130	360	<2.0	<2.0	<2.0	—	—	—	18.78	6.19	—	12.59
S-4B	08/10/2007	150 h	0.47 j	<1.0	<1.0	<1.0	67	230	<2.0	<2.0	<2.0	—	—	—	18.78	6.48	—	12.30
S-4B	11/09/2007	<50 h	<0.50	<1.0	<1.0	<1.0	32	67	<2.0	<2.0	<2.0	—	—	—	18.78	6.59	—	12.19
S-4B	02/08/2008	<50 h	<0.50	<1.0	<1.0	<1.0	5.3	<10	<2.0	<2.0	<2.0	—	—	—	18.78	6.12	—	12.66
S-4B	05/16/2008	<50	<0.50	<1.0	<1.0	<1.0	2.2	15	<2.0	<2.0	<2.0	—	—	—	18.78	6.45	—	12.33
S-4B	08/15/2008	<50	<0.50	<1.0	<1.0	<1.0	1.4	<10	<2.0	<2.0	<2.0	—	—	—	18.78	6.90	—	11.88
S-4B	11/26/2008	<50	<0.50	<1.0	<1.0	<1.0	2.5	<10	<2.0	<2.0	<2.0	—	—	—	18.78	8.19	—	10.59
S-4B	02/27/2009	<50	<0.50	<1.0	<1.0	<1.0	1.4	<10	<2.0	<2.0	<2.0	—	—	—	18.78	6.03	—	12.75
S-4B	05/28/2009	<50	<0.50	<1.0	<1.0	<1.0	2.0	<10	<2.0	<2.0	<2.0	—	—	—	18.78	6.01	—	12.77
S-4B	09/14/2009	<50	<0.50	<1.0	<1.0	<1.0	3.7	<10	<2.0	<2.0	<2.0	—	—	—	18.78	6.90	—	11.88
S-4B	02/05/2010	<50	<0.50	<1.0	<1.0	<1.0	2.0	<10	<2.0	<2.0	<2.0	—	—	—	18.78	7.23	—	11.55
S-4B	08/03/2010	<50	<0.50	<1.0	<1.0	<1.0	1.2	25	<2.0	<2.0	<2.0	—	—	—	18.78	6.64	—	12.14
S-4B	02/14/2011	<50	1.3	2.1	0.82	3.9	<1.0	<10	<1.0	<1.0	<1.0	—	—	—	18.78	6.70	—	12.08
S-4B	**08/04/2011**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**1.1**	**22**	**<1.0**	**<1.0**	**<1.0**	**—**	**—**	**—**	**18.78**	**7.13**	**—**	**11.65**
S-5	11/14/2005	—	—	—	—	—	—	—	—	—	—	—	—	—	18.68	6.33	—	12.35
S-5	11/22/2005	1,010	0.900	<0.500	1.79	4.91	302	397	<0.500	<0.500	<0.500	—	—	—	18.68	6.44	—	12.24
S-5	02/24/2006	<50 b	<0.50	<0.50	<0.50	<0.50	19	<5.0	<0.50	<0.50	<0.50	—	—	—	18.68	5.44	—	13.24
S-5	05/30/2006	2,000	4.13	0.670	<0.500	3.28	143	<10.0	<0.500	<0.500	<0.500	—	—	—	18.68	5.33	—	13.35
S-5	08/30/2006	1,380	<0.500	<0.500	1.43	<0.500	211	106	<0.500	<0.500	<0.500	—	—	—	18.68	6.16	—	12.52
S-5	11/22/2006	82	<0.50	<0.50	<0.50	<1.0	28	13	<2.0	<2.0	<2.0	—	—	—	18.68	6.28	—	12.40
S-5	02/23/2007	<50	<0.50	<0.50	<0.50	<1.0	1.2	<5.0	<2.0	<2.0	<2.0	—	—	—	18.68	5.68	—	13.00
S-5	05/18/2007	<50 h,i	<0.50	<1.0	<1.0	<1.0	2.6	<10	<2.0	<2.0	<2.0	—	—	—	18.68	5.91	—	12.77
S-5	08/10/2007	<50 h	<0.50	<1.0	<1.0	<1.0	1.0	<10	<2.0	<2.0	<2.0	—	—	—	18.68	6.36	—	12.32
S-5	11/09/2007	<50 h	<0.50	<1.0	<1.0	<1.0	<10	<10	<2.0	<2.0	<2.0	—	—	—	18.68	6.47	—	12.21
S-5	02/08/2008	<50 h	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	—	—	—	18.68	5.52	—	13.16
S-5	05/16/2008	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	—	—	—	18.68	6.22	—	12.46
S-5	08/15/2008	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	—	—	—	18.68	7.26	—	11.42
S-5	11/26/2008	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	—	—	—	18.68	8.03	—	10.65

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness	GW Elevation (ft MSL)
S-5	02/27/2009	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	—	—	—	18.68	5.83	—	12.85
S-5	05/28/2009	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	—	—	—	18.68	5.73	—	12.95
S-5	09/14/2009	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	—	—	—	18.68	6.95	—	11.73
S-5	02/05/2010	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	—	—	—	18.68	6.01	—	12.67
S-5	08/03/2010	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	—	—	—	18.68	6.46	—	12.22
S-5	02/14/2011	<50	3.9	3.8	1.2	5.3	1.8	<10	<1.0	<1.0	<1.0	—	—	—	18.68	6.20	—	12.48
S-5	**08/04/2011**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**1.8**	**<10**	**<1.0**	**<1.0**	**<1.0**	**—**	**—**	**—**	**18.68**	**6.15**	**—**	**12.53**
S-6	11/14/2005	—	—	—	—	—	—	—	—	—	—	—	—	—	19.32	6.36	—	12.96
S-6	11/22/2005	15,800	5.14	0.690	32.1	934	<0.500	14.2	<0.500	<0.500	<0.500	—	—	—	19.32	6.53	—	12.79
S-6	01/19/2006	—	—	—	—	—	—	—	—	—	—	—	—	—	19.32	5.50	—	13.82
S-6	02/24/2006	7,900 b	4.4	<1.5	260	380	<1.5	<7.0	<1.5	<1.5	<1.5	—	—	—	19.32	5.76	—	13.56
S-6	05/30/2006	4,170	4.98	<0.500	76.6	44.2	<0.500	<10.0	<0.500	<0.500	<0.500	—	—	—	19.32	5.68	—	13.64
S-6	08/30/2006	16,400	10.7	<0.500	353	292	<0.500	<10.0	<0.500	<0.500	<0.500	—	—	—	19.32	6.38	—	12.94
S-6	11/22/2006	6,900	7.7	<2.5	250	450	<2.5	<25	<10	<10	<10	—	—	—	19.32	6.62	—	12.70
S-6	02/23/2007	7,900	4.4	<2.5	400	940	<2.5	<25	<10	<10	<10	—	—	—	19.32	6.06	—	13.26
S-6	05/18/2007	2,600 h	3.1	<1.0	85	147.3	<1.0	<10	<2.0	<2.0	<2.0	—	—	—	19.32	6.12	—	13.20
S-6	08/10/2007	3,100 h	3.5	0.28 j	110	202	<1.0	<10	<2.0	<2.0	<2.0	—	—	—	19.32	6.60	—	12.72
S-6	11/09/2007	3,700 h	2.1	0.34 j	160	335	<1.0	<10	<2.0	<2.0	<2.0	—	—	—	19.32	6.80	—	12.52
S-6	02/08/2008	2,600 h	2.7	<1.0	72	156.0	<1.0	<10	<2.0	<2.0	<2.0	—	—	—	19.32	6.11	—	13.21
S-6	05/16/2008	350	<0.50	<1.0	8.4	5.3	<1.0	<10	<2.0	<2.0	<2.0	—	—	—	19.32	6.60	—	12.72
S-6	08/15/2008	3,600	0.99	<1.0	100	164.9	<1.0	<10	<2.0	<2.0	<2.0	—	—	—	19.32	7.70	—	11.62
S-6	11/26/2008	1,500	2.9	<1.0	13	3.1	<1.0	<10	<2.0	<2.0	<2.0	—	—	—	19.32	8.41	—	10.91
S-6	02/27/2009	2,800	4.3	<1.0	17	23	<1.0	<10	<2.0	<2.0	<2.0	—	—	—	19.32	6.22	—	13.10
S-6	05/28/2009	570	0.74	<1.0	3.1	1.3	<1.0	<10	<2.0	<2.0	<2.0	—	—	—	19.32	6.10	—	13.22
S-6	09/14/2009	440	0.55	<1.0	1.5	2.3	<1.0	<10	<2.0	<2.0	<2.0	—	—	—	19.32	7.43	—	11.89
S-6	02/05/2010	2,200	1.7	<1.0	5.2	8.3	<1.0	<10	<2.0	<2.0	<2.0	—	—	—	19.32	6.34	—	12.98
S-6	08/03/2010	340	<0.50	<1.0	<1.0	1.0	<1.0	<10	<2.0	<2.0	<2.0	—	—	—	19.32	6.85	—	12.47
S-6	02/14/2011	590	1.0	1.0	1.4	3.7	<1.0	<10	<1.0	<1.0	<1.0	—	—	—	19.32	6.50	—	12.82
S-6	**08/04/2011**	**820**	**1.2**	**<0.50**	**1.7**	**1.2**	**<1.0**	**<10**	**<1.0**	**<1.0**	**<1.0**	**—**	**—**	**—**	**19.32**	**6.52**	**—**	**12.80**
S-7	11/14/2005	—	—	—	—	—	—	—	—	—	—	—	—	—	19.44	6.76	—	12.68
S-7	11/22/2005	51,100	2,680	2,980	969	6,360	1.49	53.3	<0.500	<0.500	<0.500	—	—	—	19.44	6.88	—	12.56

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness	GW Elevation (ft MSL)
S-7	02/24/2006	22,000 b/25,000 d	1,700	1,200	1,200	2,800	<2.5	58	<2.5	<2.5	<2.5	—	—	—	19.44	5.73	—	13.71
S-7	05/30/2006	35,600	1,720	641	1,600	3,630	2.83	<10.0	<0.500	<0.500	<0.500	—	—	—	19.44	5.61	—	13.83
S-7	08/30/2006	83,900	5,060	62.5	1,640	4,010	2.38	43.4	<0.500	<0.500	<0.500	—	—	—	19.44	6.43	—	13.01
S-7	11/22/2006	13,000	4,300	27	710	1,900	<2.5	54	<10	<10	<10	—	—	—	19.44	6.68	—	12.76
S-7	02/23/2007	15,000	2,000	43	1,100	3,300	<12	<120	<50	<50	<50	—	—	—	19.44	5.82	—	13.62
S-7	05/18/2007	6,100 h	3,900	22 j	520	2,010	<50	<500	<100	<100	<100	—	—	—	19.44	6.20	—	13.24
S-7	08/10/2007	14,000 h	4,900	19 j	670	2,046 j	<50	<500	<100	<100	<100	—	—	—	19.44	6.74	—	12.70
S-7	11/09/2007	16,000 h	4,400	21 j	550	2,052	<50	<500	<100	<100	<100	—	—	—	19.44	6.93	—	12.51
S-7	02/08/2008	2,400 h	160	<2.0	70	160	<2.0	<20	<4.0	<4.0	<4.0	—	—	—	19.44	6.23	—	13.21
S-7	05/16/2008	6,200	1,200	21	320	736.9	<2.0	<20	<4.0	<4.0	<4.0	—	—	—	19.44	6.62	—	12.82
S-7	08/15/2008	15,000	4,500	19	450	1,300	<10	<100	<20	<20	<20	—	—	—	19.44	7.81	—	11.63
S-7	11/26/2008	9,300	3,200	<25	77	250	<25	<250	<50	<50	<50	—	—	—	19.44	8.53	—	10.91
S-7	02/27/2009	3,900	900	<25	49	160	<25	<250	<50	<50	<50	—	—	—	19.44	6.27	—	13.17
S-7	05/28/2009	7,100	1,200	<10	81	600	<10	<100	<20	<20	<20	—	—	—	19.44	6.18	—	13.26
S-7	09/14/2009	11,000	4,000	19	73	66	<10	<100	<20	<20	<20	—	—	—	19.44	7.58	—	11.86
S-7	02/05/2010	4,700	1,200	<10	33	17	<10	<100	<20	<20	<20	—	—	—	19.44	6.36	—	13.08
S-7	08/03/2010	7,600	2,600	14	15	10	<10	<100	<20	<20	<20	—	—	—	19.44	6.90	—	12.54
S-7	02/14/2011	2,200	800	<10	<10	<20	<20	<200	<20	<20	<20	—	—	—	19.44	6.53	—	12.91
S-7	**08/04/2011**	**4,600**	**1,200**	**16**	**<10**	**<20**	**<20**	**<200**	<20	<20	**<20**	—	—	—	**19.44**	**6.53**	—	**12.91**
S-8	08/21/2006	—	—	—	—	—	—	—	—	—	—	—	—	—	20.11	7.02	—	13.09
S-8	08/30/2006	90,600	5,150	28.2	3,230	4,450	4.30	<10.0	<0.500	<0.500	<0.500	—	—	—	20.11	7.19	—	12.92
S-8	11/22/2006	41,000	4,900	58	3,300	7,200	2.6	<25	<10	<10	<10	—	—	—	20.11	7.48	—	12.63
S-8	02/23/2007	28,000	2,900	28	2,900	4,900	<25	<250	<100	<100	<100	—	—	—	20.11	6.73	—	13.38
S-8	05/18/2007	24,000 h	4,400	33 j	3,800	4,470	<50	<500	<100	<100	<100	—	—	—	20.11	6.98	—	13.13
S-8	08/10/2007	22,000 h	5,000	30 j	3,100	3,660	<50	<500	<100	<100	<100	—	—	—	20.11	7.57	—	12.54
S-8	11/09/2007	22,000 h	4,600	24 j	3,000	2,770	<50	<500	<100	<100	<100	—	—	—	20.11	7.80	—	12.31
S-8	02/08/2008	11,000 h	5,900	<50	410	310	<50	<500	<100	<100	<100	—	—	—	20.11	6.55	—	13.56
S-8	05/16/2008	20,000	1,600	32	2,300	2,136	<20	<200	<40	<40	<40	—	—	—	20.11	7.30	—	12.81
S-8	08/15/2008	26,000	2,400	20	4,900	2,432	<20	<200	<40	<40	<40	—	—	—	20.11	8.60	—	11.51
S-8	11/26/2008	10,000	890	6.6	790	302	<5.0	<50	<10	<10	<10	—	—	—	20.11	9.20	—	10.91
S-8	02/27/2009	770	30	<1.0	9.9	6.0	<1.0	12	<2.0	<2.0	<2.0	—	—	—	20.11	7.04	—	13.07
S-8	05/28/2009	5,800	620	3.1	390	380	<1.0	40	<2.0	<2.0	<2.0	—	—	—	20.11	6.91	—	13.20

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness	GW Elevation (ft MSL)
S-8	09/14/2009	7,700	1,600	<10	110	750	<10	<100	<20	<20	<20	---	---	---	20.11	8.32	---	11.79
S-8	02/05/2010	10,000	2,000	<10	150	260	<10	<100	<20	<20	<20	---	---	---	20.11	7.08	---	13.03
S-8	08/03/2010	12,000	2,000	<20	47	82	<20	<200	<40	<40	<40	---	---	---	20.11	7.64	---	12.47
S-8	02/14/2011	4,900	960	<10	89	78	<20	<200	<20	<20	<20	---	---	---	20.11	7.20	---	12.91
S-8	**08/04/2011**	**7,200**	**830**	**<5.0**	**26**	**13**	**<10**	**<100**	**<10**	**<10**	**<10**	**---**	**---**	**---**	**20.11**	**7.24**	**---**	**12.87**
S-9	08/21/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	19.60	6.93	---	12.67
S-9	08/30/2006	162,000	3,620	5,040	3,810	22,500	<0.500	<10.0	<0.500	<0.500	<0.500	---	---	---	19.60	6.52	---	13.08
S-9	11/22/2006	47,000	2,100	840	3,000	12,000	<2.5	<25	<10	<10	<10	---	---	---	19.60	6.78	---	12.82
S-9	02/23/2007	18,000	890	120	1,800	3,600	<12	<120	<50	<50	<50	---	---	---	19.60	6.13	---	13.47
S-9	05/18/2007	22,000 h	1,300	630	2,400	7,300	<50	<500	<100	<100	<100	---	---	---	19.60	6.35	---	13.25
S-9	08/10/2007	36,000 h	2,600	920	4,200	14,900	<50	<500	<100	<100	<100	---	---	---	19.60	6.86	---	12.74
S-9	11/09/2007	34,000 h	2,100	320	3,700	12,000	<50	<500	<100	<100	<100	---	---	---	19.60	7.09	---	12.51
S-9	02/08/2008	7,400 h	410	51	1,100	1,620	<10	<100	<20	<20	<20	---	---	---	19.60	6.00	---	13.60
S-9	05/16/2008	19,000	910	230	1,600	4,200	<10	<100	<20	<20	<20	---	---	---	19.60	6.67	---	12.93
S-9	08/15/2008	65,000	2,600	540	5,200	19,000	<10	<100	<20	<20	<20	---	---	---	19.60	7.93	---	11.67
S-9	11/26/2008	18,000	910	<100	2,000	3,340	<100	<1,000	<200	<200	<200	---	---	---	19.60	8.60	---	11.00
S-9	02/27/2009	1,000	55	2.3	100	61	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.60	6.35	---	13.25
S-9	05/28/2009	9,700	410	120	810	1,400	<10	<100	<20	<20	<20	---	---	---	19.60	6.22	---	13.38
S-9	09/14/2009	24,000	960	120	2,200	6,500	<5.0	<50	<10	<10	<10	---	---	---	19.60	7.73	---	11.87
S-9	02/05/2010	4,900	310	6.2	180	240	<5.0	<50	<10	<10	<10	---	---	---	19.60	6.51	---	13.09
S-9	08/03/2010	17,000	940	25	500	2,800	<2.0	29	<4.0	<4.0	<4.0	---	---	---	19.60	7.02	---	12.58
S-9	02/14/2011	1,500	190	3.6	11	38	<4.0	<40	<4.0	<4.0	<4.0	---	---	---	19.60	6.60	---	13.00
S-9	**08/04/2011**	**5,300**	**370**	**18**	**53**	**370**	**<5.0**	**<50**	**<5.0**	**<5.0**	**<5.0**	**---**	**---**	**---**	**19.60**	**6.62**	**---**	**12.98**
TBW-E	11/23/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.31	---	---
TBW-E	12/01/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.01	---	---
TBW-E	12/07/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.32	---	---
TBW-E	12/15/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.55	---	---
TBW-E	12/23/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5.95	---	---
TBW-E	12/27/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.47	---	---
TBW-N	11/23/2004	83,000	640	27,000	1,700	20,000	2,300	1,300	<400	<400	<400	<100	<100	<10,000	---	5.64	---	---

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness	GW Elevation (ft MSL)
TBW-N	12/01/2004	160,000	700	31,000	2,300	24,000	2,900	1,200	<400	<400	<400	<100	<100	<10,000	—	6.35	—	—
TBW-N	12/07/2004	130,000	590	29,000	2,300	24,000	2,700	1,300	<400	<400	<400	<100	<100	<10,000	—	5.65	—	—
TBW-N	12/15/2004	120,000	420	26,000	2,000	22,000	3,300	<1,000	<400	<400	<400	<100	<100	<10,000	—	5.85	—	—
TBW-N	12/23/2004	100,000	220	23,000	1,900	20,000	1,900	<1,000	<400	<400	<400	<100	<100	<10,000	—	5.30	—	—
TBW-N	12/27/2004	110,000	470	26,000	2,300	22,000	1,800	<1,000	<400	<400	<400	<100	<100	<10,000	—	7.80	—	—
TBW-N	01/17/2005	86,000	330	22,000	2,200	21,000	1,600	1,600	<400	<400	<400	<100	<100	<10,000	—	6.59	—	—
TBW-N	02/04/2005	97,000	290	23,000	1,800	20,000	1,900	<1,000	<400	<400	<400	<100	<100	<10,000	—	4.50	—	—
TBW-N	03/02/2005	94,000	360	24,000	2,000	19,000	1,200	<1,000	<400	<400	<400	<100	<100	<10,000	—	4.11	—	—
TBW-N	04/12/2005	27,000	130	9,300	1,100	8,700	1,400	390	<100	<100	<20	<25	<25	<2,500	—	4.08	—	—
TBW-N	05/13/2005	42,000	130	8,700	1,500	12,000	1,400	440	<100	<100	<100	<25	<25	<2,500	—	4.45	—	—
TBW-N	06/10/2005	46,000	63	5,500	1,300	11,000	500	<250	<100	<100	<100	<25	<25	<2,500	—	4.97	—	—
TBW-N	07/15/2005	48,000	88	8,400	1,300	9,500	660	310	<100	<100	<100	<25	<25	<2,500	—	5.18	—	—
TBW-N	08/17/2005 a	36,000	85	8,500	1,200	11,000	510	<500	<200	<200	<200	<50	<50	<5,000	18.08	5.28	—	12.80
TBW-N	09/15/2005	20,000	59	2,400	730	9,300	600	500	<40	<40	<40	—	—	<1,000	18.08	5.92	—	12.16
TBW-N	10/17/2005	59,000	58	4,900	1,200	16,000	490	<250	<100	<100	<100	<25	<25	<2,500	18.08	5.96	—	12.12
TBW-N	11/22/2005	105,000	41.3	8,750	1,550	18,300	443	248	<0.500	<0.500	<0.500	<0.500	<0.500	<50.0	18.08	5.82	—	12.26
TBW-N	12/09/2005	65,900	43.4	5,110	1,110	13,500	493	259	<0.500	<0.500	<0.500	<0.500	<0.500	<50.0	18.08	5.60	—	12.48
TBW-N	01/05/2006	80,100	33.8	4,910	1,620	19,400	410	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500	<50.0	18.08	4.44	—	13.64
TBW-N	02/24/2006	56,000 b/60,000 d	15	2,700	1,000	12,000	270	180	<15	<15	<15	<15	<15	<150	18.08	4.67	—	13.41
TBW-N	03/08/2006	60,200	23.4	3,820	1,370	16,500	293	93.8	<0.500	<0.500	<0.500	<0.500	<0.500	<50.0	18.08	4.18	—	13.90
TBW-N	04/13/2006	73,000	21.8	2,900	1,220	14,600	277	68.5	<0.500	<0.500	<0.500	<0.500	<0.500	<500	18.08	3.49	—	14.59
TBW-N	05/30/2006	59,300	18.7	1,170	1,800	10,200	119 e	<10.0	<0.500	<0.500	<0.500	0.860	<0.500	<50.0	18.08	4.52	—	13.56
TBW-N	06/05/2006	83,700	16.0	1,510	2,090	11,400	146 e	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500	<50.0	18.08	4.55	—	13.53
TBW-N	07/19/2006	80,100	16.4	632	1,550	13,900	85.7	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500	<50.0	18.08	4.99	—	13.09
TBW-N	08/30/2006	52,700	18.2	747	1,900	13,400	82.9	<100	<5.00	<5.00	<5.00	<5.00	<5.00	<500	18.08	5.47	—	12.61
TBW-N	09/06/2006	77,500	21.3	1,100	1,650	11,800	116	12.4	<0.500	<0.500	<0.500	<0.500	<0.500	<50.0	18.08	5.39	—	12.69
TBW-N	10/13/2006	33,000	22	1,300	1,700	27,000	160	<50	<20	<20	<20	<5.0	<5.0	<500	18.08	5.57	—	12.51
TBW-N	11/22/2006	36,000	18	680	1,200	14,000	110	<50	<20	<20	<20	<5.0	<5.0	<500	18.08	5.65	—	12.43
TBW-N	12/12/2006	34,000	<25	330	1,400	11,000	89	<1,000	<25	<25	<25	<25	<25	<5,000	18.08	5.34	—	12.74
TBW-N	01/05/2007	26,000 g	16	450	1,400	13,000 f	96	<50	<20	<20	<20	<5.0	<5.0	<500	18.08	5.23	—	12.85
TBW-N	02/23/2007	41,000	<25	400	1,500	15,000	120	<250	<100	<100	<100	<25	<25	<2,500	18.08	4.96	—	13.12
TBW-N	03/08/2007	15,000	<25	320	1,300	15,000	110	<250	<100	<100	<100	<25	<25	<2,500	18.08	4.93	—	13.15
TBW-N	04/06/2007	24,000 h	15	360	1,100	12,300	130	<50	<10	<10	<10	<2.5	—	<500	18.08	5.07	—	13.01

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness	GW Elevation (ft MSL)
TBW-N	05/18/2007	30,000 h	15 j	140	1,100	9,960	100	<50	<100	<100	<100	<25	<50	<5,000	18.08	5.25	—	12.83
TBW-N	06/11/2007	26,000 h	15 j	160	1,300	9,150	120	<500	<100	<100	<100	<25	<50	<5,000	18.08	5.33	—	12.75
TBW-N	07/03/2007	36,000 h	9.3 j	150	990	8,400	130	<500	<100	<100	<100	<25	<50	<5,000	18.08	5.46	—	12.62
TBW-N	08/10/2007	24,000 h	14	200	1,200	5,240	120	<200	<40	<40	<40	<10	<20	<2,000	18.08	5.78	—	12.30
TBW-N	09/25/2007	28,000 h	15	560	1,400	7,600	<20	160 j	<40	<40	<40	<10	<20	<2,000	18.08	6.02	—	12.06
TBW-N	11/09/2007	42,000 h	18	610	1,700	14,500	140	<250	<50	<50	<50	<12	<25	<2,500	18.08	5.91	0.01	12.18
TBW-N	02/08/2008	36,000 h	<25	450	1,400	15,100	97	<500	<100	<100	<100	<25	<50	<5,000	18.08	4.79	—	13.29
TBW-N	05/16/2008	26,000	80	99	970	5,130	130	<500	<100	<100	<100	—	—	—	18.08	5.50	—	12.58
TBW-N	08/15/2008	24,000	<25	1,300	1,300	2,400	90	<500	<100	<100	<100	<25	<50	<5,000	18.08	6.59	—	11.49
TBW-N	11/26/2008	24,000	<25	140	810	5,580	52	<500	<100	<100	<100	<25	<50	<5,000	18.08	7.40	—	10.68
TBW-N	02/27/2009	22,000	<25	110	520	5,000	<50	<500	<100	<100	<100	<25	<50	<5,000	18.08	5.86	—	12.22
TBW-N	05/28/2009	32,000	8.9	160	860	5,600	53	160	<10	<10	<10	—	—	—	18.08	5.50	—	12.58
TBW-N	09/14/2009	28,000	10	110	890	4,700	60	<200	<40	<40	<40	<10	<20	<2000	18.08	6.31	—	11.77
TBW-N	02/05/2010	27,000	<10	71	630	4,900	28	<200	<40	<40	<40	<10	<20	<2000	18.08	5.28	—	12.80
TBW-N	08/03/2010	20,000	9.8	46	130	890	64	<100	<20	<20	<20	<5.0	<10	<1000	18.08	5.75	—	12.33
TBW-N	02/14/2011	15,000	7.5	38	320	1,800	18	<10	<10	<10	<10	<5.0	<5.0	<1500	18.08	5.40	—	12.68
TBW-N	**08/04/2011**	**11,000**	**5.7**	**26**	**77**	**120**	**21**	**12**	**<1.0**	**<1.0**	**<1.0**	**<0.50**	**<0.50**	**<150**	**18.08**	**5.43**	**—**	**12.65**
TBW-S	11/23/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.18	—	—
TBW-S	12/01/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.87	—	—
TBW-S	12/07/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.15	—	—
TBW-S	12/15/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.38	—	—
TBW-S	12/23/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.81	—	—
TBW-S	12/27/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.35	—	—
TBW-W	11/23/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.14	—	—
TBW-W	12/01/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.86	—	—
TBW-W	12/07/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.13	—	—
TBW-W	12/15/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.37	—	—
TBW-W	12/23/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.79	—	—
TBW-W	12/27/2004	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.32	—	—

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness	GW Elevation (ft MSL)

Notes:
TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B unless otherwise noted.
BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B
MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8260B
TBA = Tertiary-butyl alcohol analyzed by EPA Method 8260B
DIPE = Di-isopropyl ether analyzed by EPA Method 8260B
ETBE = Ethyl tertiary-butyl ether analyzed by EPA Method 8260B
TAME = Tertiary-amyl methyl ether analyzed by EPA Method 8260B
1,2-DCA = 1,2-Dichloroethane analyzed by EPA Method 8260B
EDB = Ethylene dibromide analyzed by EPA Method 8260B
Ethanol analyzed by EPA Method 8260B
TOC = Top of casing elevation, in feet relative to mean sea level
SPH = Separate-phase hydrocarbon
GW = Groundwater
µg/L = Micrograms per liter
<x = Not detected at reporting limit x
--- = Not analyzed or available

a = Extracted out of holding time.
b = Result with a carbon range of C4-C12.
c = Result may be biased slightly high. See lab report case narrative.
d = Result with a carbon range of C6-C12.
e = Secondary ion abundances were outside method requirements. Identification based on analytical judgment.
f = Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.
g = Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below the acceptance limits. A low bias to sample results is indicated.
h = Analyzed by EPA Method 8015B (M).
i = The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.
j = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.

Well TBW-N surveyed September 1, 2005 by Virgil Chavez Land Surveying
Wells S-2 through S-7 surveyed on November 30, 2005 by Virgil Chavez Land Surveying
Wells S-4B and S-7 through S-9 surveyed on August 17, 2006 by Virgil Chavez Land Surveying

APPENDIX A

BLAINE TECH SERVICES, INC. - FIELD NOTES

WELL GAUGING DATA

Project # 110804-BP1 Date 3/4/11 Client Shell

Site 1601 Webster St. Alameda

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
TBW-N	0828	4		—	—	—	5.43	10.84		
S-2	0734	4					7.20	11.79		
S-3	0740	4					6.75	11.79		
S-4	0747	4					5.79	11.46		
S-4B	0727	4					7.13	19.90		
S-5	0720	4					6.15	11.37		
S-6	0755	4					6.52	11.53		
S-7	0802	4					6.53	11.07		
S-8	0810	4					7.24	11.89		
S-9	0817	4					6.62	11.98		
							Ambient	Wellhead		
	PID READING @				TBW-N		0.0 ppm	0.0 ppm VOCs		

SHELL WELL MONITORING DATA SHEET

BTS #: 110804-BP1	Site: 97564 701
Sampler: B. Parnell	Date: 8/4/11
Well I.D.: TBW-N	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 10.84	Depth to Water (DTW): 5.43
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.51	

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:_____

3.5 (Gals.) X	3	=	10.5 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1033	71.2	6.54	675	379	3.5	
1034	72.1	6.52	669	137	7.0	
1035	72.7	6.51	663	66	10.5	

Did well dewater? Yes (No) Gallons actually evacuated: 10.5

Sampling Date: 8/4/11 Sampling Time: 1045 Depth to Water: 5.45

Sample I.D.: TBW-N Laboratory: (Test America) Other_____

Analyzed for: ~~TPH-G~~ (BTEX) MTBE TPH-D (Oxygenates (5)) (Other:) 1,2 DCA, EDB, Ethanol

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 #: 110804-BP1	Site: 97564 701
Sampler: B. Parrell	Date: 8/4/11
Well I.D.: S-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 11.79	Depth to Water (DTW): 7.20
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]: 8.11	

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

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

3.0 (Gals.) X	3	=	9.0 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0907	70.1	6.52	622	46	3.0	
0907	Well	Dewatered @	3.8 Gals			DTW: 9.93
1130	71.4	6.61	645	122	—	

Did well dewater? (Yes) No Gallons actually evacuated: 3.8

Sampling Date: 8/4/11 Sampling Time: 1130 Depth to Water: 7.21

Sample I.D.: S-2 Laboratory: (Test America) Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 110804-BP1	Site: 97564701
Sampler: B. Parrill	Date: 8/4/11
Well I.D.: S-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 11.79	Depth to Water (DTW): 6.75
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]: 7.75	

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
0917	71.0	6.79	669	36	3.3	
0918	Well Dewatered @		4.4 Gals			DTW: 10.01
1145	71.5	6.84	693	65	—	

Did well dewater? (Yes) No Gallons actually evacuated: 4.4

Sampling Date: 8/4/11 Sampling Time: 1145 Depth to Water: 6.75

Sample I.D.: S-3 Laboratory: (Test America) Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 110804-BP1	Site: 97564 701
Sampler: B. Parrill	Date: 8/4/11
Well I.D.: S-4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 11.46	Depth to Water (DTW): 5.79
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]: 6.92	

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:_____

3.7 (Gals.) X	3	=	11.1 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
0929	70.8	6.50	374	26	3.7	
0930	Well	Dewatered	@ 5.0	Gals		DTW: 9.64
1200	71.9	6.61	397	38	—	

Did well dewater? (Yes) No Gallons actually evacuated: 5.0

Sampling Date: 8/4/11 Sampling Time: 1200 Depth to Water: 5.82

Sample I.D.: S-4 Laboratory: (Test America) Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 110804-BP1	Site: 97564 701
Sampler: B. Parrill	Date: 8/4/11
Well I.D.: S-4B	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 19.90	Depth to Water (DTW): 7.13
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.68	

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: _____

8.3 (Gals.) X 3 = 24.9 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
0855	69.7	6.41	495	25	8.3	
0857	Well Dewatered @		13.3 Gals			DTW: 17.56
1115	70.4	6.58	590	64	—	

Did well dewater? (Yes) No Gallons actually evacuated: 13.3

Sampling Date: 8/4/11 Sampling Time: 1115 Depth to Water: 7.17

Sample I.D.: S-4B Laboratory: (Test America) Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 110804-BP1	Site: 97564701
Sampler: B. Parrill	Date: 8/4/11
Well I.D.: S-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 11.37	Depth to Water (DTW): 6.15
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]: 7.19	

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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0841	69.3	6.43	566	33	3.4	
0842	Well	Dewatered	@ 5.0 Gals			DTW: 9.68
1100	69.1	6.61	497	74	—	

Did well dewater? (Yes) No Gallons actually evacuated: 5.0

Sampling Date: 8/4/11 Sampling Time: 1100 Depth to Water: 6.21

Sample I.D.: S-5 Laboratory: ~~Test America~~ Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 110804-BP1	Site: 97564701
Sampler: B. Parrill	Date: 8/4/11
Well I.D.: S-6	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 11.53	Depth to Water (DTW): 6.52
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]: 7.52	

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
0941	71.1	6.73	955	39	3.3	
0941	Well Dewatered @ 4.2 Gals					DTW: 9.93
1215	70.8	6.69	952	72	—	

Did well dewater? (Yes) No Gallons actually evacuated: 4.2

Sampling Date: 8/4/11 Sampling Time: 1215 Depth to Water: 6.61

Sample I.D.: S-6 Laboratory: (Test America) Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 110804-BP1	Site: 97564701
Sampler: B. Parrell	Date: 8/4/11
Well I.D.: S-7	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 11.07	Depth to Water (DTW): (BP) ~~6.53~~ 6.53
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]: 7.43	

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

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

3.0 (Gals.) X	3	=	9.0 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0956	70.6	6.46	1184	33	2.8	
0956	Well	Dewatered	@ 2.8	Gals.	DTW: 8.98	
1235	71.2	6.47	1359	38	—	

Did well dewater? (Yes) No Gallons actually evacuated: 2.8

Sampling Date: 8/4/11 Sampling Time: 1235 Depth to Water: 6.82

Sample I.D.: S-7 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

(3)

SHELL WELL MONITORING DATA SHEET

BTS #: 110804-BP1	Site: 97564 701
Sampler: B. Parnell	Date: 8/4/11
Well I.D.: S-8	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 11.89	Depth to Water (DTW): 7.24
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]: 8.17	

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

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

3.0 (Gals.) X	3	=	9.0 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1009	71.4	6.43	807	31	3.0	
1009	Well Dewatered @ 3.4 Gals					DTW: 9.90
1250	70.3	6.51	1040	59	—	

Did well dewater? (Yes) No Gallons actually evacuated: 3.4

Sampling Date: 8/4/11 Sampling Time: 1250 Depth to Water: 7.30

Sample I.D.: S-8 Laboratory: (Test America) Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 110804-BP1	Site: 97564 701
Sampler: B. Parrill	Date: 8/4/11
Well I.D.: S-9	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 11.98	Depth to Water (DTW): 6.62
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]: 7.69	

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:_____

3.5 (Gals.) X	3	=	10.5 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
1020	70.7	6.50	1326	72	3.4	ODOR
1020	Well	Dewatered @	3.4 Gals.			DTW: 9.84
1310	71.1	6.63	1263	63	—	ODOR

Did well dewater? (Yes) No Gallons actually evacuated: 3.4

Sampling Date: 8/4/11 Sampling Time: 1310 Depth to Water: 6.70

Sample I.D.: S-9 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 1601 Webster St Alameda Date 8/4/11

Job Number 110804-BP1 Technician B. Pawell 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
TBW-N									NO TAG, VAULT HANDLE MISSING
S-2	X	X							
S-3	X	X							
S-4	X	X							
S-5	X	X							
S-4B	X	X							
S-6	X	X							replaced cap
S-7	X	X							
S-8	X	X							NO TAG
S-9	X								NO TAG

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

Notes:

APPENDIX B

TEST AMERICA –
LABORATORY REPORT

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

LABORATORY REPORT

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

Project: 1601 Webster St., Alameda, CA

Sampled: 08/04/11
Received: 08/05/11
Issued: 08/17/11 15:27

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
IUH0732-01	TBW-N	Water
IUH0732-02	S-2	Water
IUH0732-03	S-3	Water
IUH0732-04	S-4	Water
IUH0732-05	S-4B	Water
IUH0732-06	S-5	Water
IUH0732-07	S-6	Water
IUH0732-08	S-7	Water
IUH0732-09	S-8	Water
IUH0732-10	S-9	Water

Reviewed By:

Philip Sanelle

TestAmerica Irvine

Philip Sanelle
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
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Blaine Tech San Jose/CRA Shell
1680 Rogers Avenue
San Jose, CA 95112-1105
Attention: Lorin King

Project ID: 1601 Webster St., Alameda, CA
Report Number: IUH0732

Sampled: 08/04/11
Received: 08/05/11

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: IUH0732-01 (TBW-N - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H1270	500	**11000**	10	8/10/2011	8/10/2011	
Surrogate: Dibromofluoromethane (80-120%)				*95 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*95 %*				
Sample ID: IUH0732-02 (S-2 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H1287	50	ND	1	8/10/2011	8/10/2011	
Surrogate: Dibromofluoromethane (80-120%)				*99 %*				
Surrogate: Toluene-d8 (80-120%)				*98 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				
Sample ID: IUH0732-03 (S-3 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H1287	50	ND	1	8/10/2011	8/10/2011	
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				
Sample ID: IUH0732-04 (S-4 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H1287	50	ND	1	8/10/2011	8/11/2011	
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*98 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				
Sample ID: IUH0732-05 (S-4B - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H1287	50	ND	1	8/10/2011	8/11/2011	
Surrogate: Dibromofluoromethane (80-120%)				*104 %*				
Surrogate: Toluene-d8 (80-120%)				*95 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*97 %*				
Sample ID: IUH0732-06 (S-5 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H1287	50	ND	1	8/10/2011	8/11/2011	
Surrogate: Dibromofluoromethane (80-120%)				*103 %*				
Surrogate: Toluene-d8 (80-120%)				*97 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*95 %*				

TestAmerica Irvine

Philip Sanelle
Project Manager

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

Project ID: 1601 Webster St., Alameda, CA
Report Number: IUH0732

Sampled: 08/04/11
Received: 08/05/11

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: IUH0732-07 (S-6 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H1287	50	**820**	1	8/10/2011	8/11/2011	
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*92 %*				
Sample ID: IUH0732-08 (S-7 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H1663	1000	**4600**	20	8/12/2011	8/13/2011	
Surrogate: Dibromofluoromethane (80-120%)				*93 %*				
Surrogate: Toluene-d8 (80-120%)				*103 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				
Sample ID: IUH0732-09 (S-8 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H1287	500	**7200**	10	8/10/2011	8/11/2011	
Surrogate: Dibromofluoromethane (80-120%)				*103 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				
Sample ID: IUH0732-10 (S-9 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H1491	250	**5300**	5	8/11/2011	8/11/2011	
Surrogate: Dibromofluoromethane (80-120%)				*95 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				

TestAmerica Irvine

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

Project ID: 1601 Webster St., Alameda, CA
Report Number: IUH0732

Sampled: 08/04/11
Received: 08/05/11

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: IUH0732-01 (TBW-N - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H1105	0.50	**5.7**	1	8/9/2011	8/10/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11H1105	0.50	ND	1	8/9/2011	8/10/2011	
1,2-Dichloroethane	EPA 8260B	11H1105	0.50	ND	1	8/9/2011	8/10/2011	
Ethylbenzene	EPA 8260B	11H1105	0.50	**77**	1	8/9/2011	8/10/2011	
Toluene	EPA 8260B	11H1105	0.50	**26**	1	8/9/2011	8/10/2011	
Xylenes, Total	EPA 8260B	11H1105	1.0	**120**	1	8/9/2011	8/10/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11H1105	1.0	ND	1	8/9/2011	8/10/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11H1105	1.0	ND	1	8/9/2011	8/10/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H1105	1.0	**21**	1	8/9/2011	8/10/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11H1105	1.0	ND	1	8/9/2011	8/10/2011	
tert-Butanol (TBA)	EPA 8260B	11H1105	10	**12**	1	8/9/2011	8/10/2011	
Ethanol	EPA 8260B	11H1105	150	ND	1	8/9/2011	8/10/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*104 %*				
Surrogate: Dibromofluoromethane (80-120%)				*95 %*				
Surrogate: Toluene-d8 (80-120%)				*113 %*				
Sample ID: IUH0732-02 (S-2 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H1287	0.50	ND	1	8/10/2011	8/10/2011	
Ethylbenzene	EPA 8260B	11H1287	0.50	ND	1	8/10/2011	8/10/2011	
Toluene	EPA 8260B	11H1287	0.50	ND	1	8/10/2011	8/10/2011	
Xylenes, Total	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/10/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/10/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/10/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/10/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/10/2011	
tert-Butanol (TBA)	EPA 8260B	11H1287	10	ND	1	8/10/2011	8/10/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				
Surrogate: Dibromofluoromethane (80-120%)				*99 %*				
Surrogate: Toluene-d8 (80-120%)				*98 %*				

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Project ID: 1601 Webster St., Alameda, CA
Report Number: IUH0732

Sampled: 08/04/11
Received: 08/05/11

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: IUH0732-03 (S-3 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H1287	0.50	ND	1	8/10/2011	8/10/2011	
Ethylbenzene	EPA 8260B	11H1287	0.50	ND	1	8/10/2011	8/10/2011	
Toluene	EPA 8260B	11H1287	0.50	ND	1	8/10/2011	8/10/2011	
Xylenes, Total	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/10/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/10/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/10/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/10/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/10/2011	
tert-Butanol (TBA)	EPA 8260B	11H1287	10	ND	1	8/10/2011	8/10/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				
Sample ID: IUH0732-04 (S-4 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H1287	0.50	ND	1	8/10/2011	8/11/2011	
Ethylbenzene	EPA 8260B	11H1287	0.50	ND	1	8/10/2011	8/11/2011	
Toluene	EPA 8260B	11H1287	0.50	ND	1	8/10/2011	8/11/2011	
Xylenes, Total	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/11/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/11/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/11/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/11/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/11/2011	
tert-Butanol (TBA)	EPA 8260B	11H1287	10	ND	1	8/10/2011	8/11/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*98 %*				

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Received: 08/05/11

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: IUH0732-05 (S-4B - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H1287	0.50	ND	1	8/10/2011	8/11/2011	
Ethylbenzene	EPA 8260B	11H1287	0.50	ND	1	8/10/2011	8/11/2011	
Toluene	EPA 8260B	11H1287	0.50	ND	1	8/10/2011	8/11/2011	
Xylenes, Total	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/11/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/11/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/11/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H1287	1.0	**1.1**	1	8/10/2011	8/11/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/11/2011	
tert-Butanol (TBA)	EPA 8260B	11H1287	10	**22**	1	8/10/2011	8/11/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*97 %*				
Surrogate: Dibromofluoromethane (80-120%)				*104 %*				
Surrogate: Toluene-d8 (80-120%)				*95 %*				
Sample ID: IUH0732-06 (S-5 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H1287	0.50	ND	1	8/10/2011	8/11/2011	
Ethylbenzene	EPA 8260B	11H1287	0.50	ND	1	8/10/2011	8/11/2011	
Toluene	EPA 8260B	11H1287	0.50	ND	1	8/10/2011	8/11/2011	
Xylenes, Total	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/11/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/11/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/11/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H1287	1.0	**1.8**	1	8/10/2011	8/11/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/11/2011	
tert-Butanol (TBA)	EPA 8260B	11H1287	10	ND	1	8/10/2011	8/11/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*95 %*				
Surrogate: Dibromofluoromethane (80-120%)				*103 %*				
Surrogate: Toluene-d8 (80-120%)				*97 %*				

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUH0732-07 (S-6 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H1287	0.50	**1.2**	1	8/10/2011	8/11/2011	
Ethylbenzene	EPA 8260B	11H1287	0.50	**1.7**	1	8/10/2011	8/11/2011	
Toluene	EPA 8260B	11H1287	0.50	ND	1	8/10/2011	8/11/2011	
Xylenes, Total	EPA 8260B	11H1287	1.0	**1.2**	1	8/10/2011	8/11/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/11/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/11/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/11/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11H1287	1.0	ND	1	8/10/2011	8/11/2011	
tert-Butanol (TBA)	EPA 8260B	11H1287	10	ND	1	8/10/2011	8/11/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*92 %*				
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Sample ID: IUH0732-08 (S-7 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H1663	10	**1200**	20	8/12/2011	8/13/2011	
Ethylbenzene	EPA 8260B	11H1663	10	ND	20	8/12/2011	8/13/2011	
Toluene	EPA 8260B	11H1663	10	**16**	20	8/12/2011	8/13/2011	
Xylenes, Total	EPA 8260B	11H1663	20	ND	20	8/12/2011	8/13/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11H1663	20	ND	20	8/12/2011	8/13/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11H1663	20	ND	20	8/12/2011	8/13/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H1663	20	ND	20	8/12/2011	8/13/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11H1663	20	ND	20	8/12/2011	8/13/2011	
tert-Butanol (TBA)	EPA 8260B	11H1663	200	ND	20	8/12/2011	8/13/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				
Surrogate: Dibromofluoromethane (80-120%)				*93 %*				
Surrogate: Toluene-d8 (80-120%)				*103 %*				

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUH0732-09 (S-8 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H1287	5.0	**830**	10	8/10/2011	8/11/2011	
Ethylbenzene	EPA 8260B	11H1287	5.0	**26**	10	8/10/2011	8/11/2011	
Toluene	EPA 8260B	11H1287	5.0	ND	10	8/10/2011	8/11/2011	
Xylenes, Total	EPA 8260B	11H1287	10	**13**	10	8/10/2011	8/11/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11H1287	10	ND	10	8/10/2011	8/11/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11H1287	10	ND	10	8/10/2011	8/11/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H1287	10	ND	10	8/10/2011	8/11/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11H1287	10	ND	10	8/10/2011	8/11/2011	
tert-Butanol (TBA)	EPA 8260B	11H1287	100	ND	10	8/10/2011	8/11/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				
Surrogate: Dibromofluoromethane (80-120%)				*103 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				
Sample ID: IUH0732-10 (S-9 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H1491	2.5	**370**	5	8/11/2011	8/11/2011	
Ethylbenzene	EPA 8260B	11H1491	2.5	**53**	5	8/11/2011	8/11/2011	
Toluene	EPA 8260B	11H1491	2.5	**18**	5	8/11/2011	8/11/2011	
Xylenes, Total	EPA 8260B	11H1491	5.0	**370**	5	8/11/2011	8/11/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11H1491	5.0	ND	5	8/11/2011	8/11/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11H1491	5.0	ND	5	8/11/2011	8/11/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H1491	5.0	ND	5	8/11/2011	8/11/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11H1491	5.0	ND	5	8/11/2011	8/11/2011	
tert-Butanol (TBA)	EPA 8260B	11H1491	50	ND	5	8/11/2011	8/11/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				
Surrogate: Dibromofluoromethane (80-120%)				*95 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				

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Sampled: 08/04/11
Received: 08/05/11

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: 11H1270 Extracted: 08/10/11										
Blank Analyzed: 08/10/2011 (11H1270-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	50	ug/l							
Surrogate: Dibromofluoromethane	*23.7*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Toluene-d8	*25.9*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.6*		*ug/l*	*25.0*		*95*	*80-120*			
LCS Analyzed: 08/10/2011 (11H1270-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	527	50	ug/l	500		105	55-130			
Surrogate: Dibromofluoromethane	*23.6*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Toluene-d8	*26.1*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.1*		*ug/l*	*25.0*		*96*	*80-120*			
Matrix Spike Analyzed: 08/10/2011 (11H1270-MS1)					**Source: IUH0802-01**					
Volatile Fuel Hydrocarbons (C4-C12)	1550	50	ug/l	1720	ND	90	50-145			
Surrogate: Dibromofluoromethane	*25.3*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Toluene-d8	*26.2*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.1*		*ug/l*	*25.0*		*96*	*80-120*			
Matrix Spike Dup Analyzed: 08/10/2011 (11H1270-MSD1)					**Source: IUH0802-01**					
Volatile Fuel Hydrocarbons (C4-C12)	1640	50	ug/l	1720	ND	95	50-145	5	20	
Surrogate: Dibromofluoromethane	*25.5*		*ug/l*	*25.0*		*102*	*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*			
Batch: 11H1287 Extracted: 08/10/11										
Blank Analyzed: 08/10/2011 (11H1287-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	50	ug/l							
Surrogate: Dibromofluoromethane	*23.5*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: Toluene-d8	*24.4*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.8*		*ug/l*	*25.0*		*95*	*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: 11H1287 Extracted: 08/10/11										
LCS Analyzed: 08/10/2011 (11H1287-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	494	50	ug/l	500		99	55-130			
Surrogate: Dibromofluoromethane	*23.6*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: Toluene-d8	*24.5*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.5*		*ug/l*	*25.0*		*94*	*80-120*			
Matrix Spike Analyzed: 08/10/2011 (11H1287-MS1)					**Source: IUH0620-04RE1**					
Volatile Fuel Hydrocarbons (C4-C12)	1370	50	ug/l	1720	ND	79	50-145			
Surrogate: Dibromofluoromethane	*23.5*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: Toluene-d8	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.0*		*ug/l*	*25.0*		*96*	*80-120*			
Matrix Spike Dup Analyzed: 08/10/2011 (11H1287-MSD1)					**Source: IUH0620-04RE1**					
Volatile Fuel Hydrocarbons (C4-C12)	1360	50	ug/l	1720	ND	79	50-145	0.6	20	
Surrogate: Dibromofluoromethane	*22.8*		*ug/l*	*25.0*		*91*	*80-120*			
Surrogate: Toluene-d8	*24.0*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.8*		*ug/l*	*25.0*		*95*	*80-120*			
Batch: 11H1491 Extracted: 08/11/11										
Blank Analyzed: 08/11/2011 (11H1491-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	50	ug/l							
Surrogate: Dibromofluoromethane	*23.7*		*ug/l*	*25.0*		*95*	*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*			
LCS Analyzed: 08/11/2011 (11H1491-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	489	50	ug/l	500		98	55-130			
Surrogate: Dibromofluoromethane	*23.1*		*ug/l*	*25.0*		*93*	*80-120*			
Surrogate: Toluene-d8	*24.2*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.9*		*ug/l*	*25.0*		*96*	*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: 11H1491 Extracted: 08/11/11										
Matrix Spike Analyzed: 08/11/2011 (11H1491-MS1)					**Source: IUH0595-13**					
Volatile Fuel Hydrocarbons (C4-C12)	1400	50	ug/l	1720	74.2	77	50-145			
Surrogate: Dibromofluoromethane	*22.6*		*ug/l*	*25.0*		*90*	*80-120*			
Surrogate: Toluene-d8	*25.0*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.8*		*ug/l*	*25.0*		*95*	*80-120*			
Matrix Spike Dup Analyzed: 08/11/2011 (11H1491-MSD1)					**Source: IUH0595-13**					
Volatile Fuel Hydrocarbons (C4-C12)	1420	50	ug/l	1720	74.2	78	50-145	1	20	
Surrogate: Dibromofluoromethane	*23.2*		*ug/l*	*25.0*		*93*	*80-120*			
Surrogate: Toluene-d8	*25.2*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.8*		*ug/l*	*25.0*		*95*	*80-120*			
Batch: 11H1663 Extracted: 08/12/11										
Blank Analyzed: 08/12/2011 (11H1663-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	50	ug/l							
Surrogate: Dibromofluoromethane	*22.0*		*ug/l*	*25.0*		*88*	*80-120*			
Surrogate: Toluene-d8	*26.1*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*22.8*		*ug/l*	*25.0*		*91*	*80-120*			
LCS Analyzed: 08/12/2011 (11H1663-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	438	50	ug/l	500		88	55-130			
Surrogate: Dibromofluoromethane	*22.2*		*ug/l*	*25.0*		*89*	*80-120*			
Surrogate: Toluene-d8	*26.7*		*ug/l*	*25.0*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.6*		*ug/l*	*25.0*		*94*	*80-120*			
Matrix Spike Analyzed: 08/12/2011 (11H1663-MS1)					**Source: IUH0595-09**					
Volatile Fuel Hydrocarbons (C4-C12)	1800	50	ug/l	1720	ND	104	50-145			
Surrogate: Dibromofluoromethane	*23.4*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: Toluene-d8	*26.3*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.3*		*ug/l*	*25.0*		*101*	*80-120*			

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Project ID: 1601 Webster St., Alameda, CA
Report Number: IUH0732

Sampled: 08/04/11
Received: 08/05/11

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: 11H1663 Extracted: 08/12/11										
Matrix Spike Dup Analyzed: 08/12/2011 (11H1663-MSD1)					**Source: IUH0595-09**					
Volatile Fuel Hydrocarbons (C4-C12)	1810	50	ug/l	1720	ND	105	50-145	0.9	20	
Surrogate: Dibromofluoromethane	*23.6*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Toluene-d8	*26.2*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.4*		*ug/l*	*25.0*		*97*	*80-120*			

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METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11H1105 Extracted: 08/09/11										
Blank Analyzed: 08/09/2011 (11H1105-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							
Ethanol	ND	150	ug/l							
Surrogate: 4-Bromofluorobenzene	*25.2*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Dibromofluoromethane	*24.4*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Toluene-d8	*29.3*		*ug/l*	*25.0*		*117*	*80-120*			
LCS Analyzed: 08/09/2011 (11H1105-BS1)										
Benzene	26.6	0.50	ug/l	25.0		106	70-120			
1,2-Dibromoethane (EDB)	25.3	0.50	ug/l	25.0		101	75-125			
1,2-Dichloroethane	22.2	0.50	ug/l	25.0		89	60-140			
Ethylbenzene	28.3	0.50	ug/l	25.0		113	75-125			
Toluene	26.3	0.50	ug/l	25.0		105	70-120			
m,p-Xylenes	53.2	1.0	ug/l	50.0		106	75-125			
o-Xylene	26.1	0.50	ug/l	25.0		104	75-125			
Xylenes, Total	79.2	1.0	ug/l	75.0		106	70-125			
Di-isopropyl Ether (DIPE)	24.2	1.0	ug/l	25.0		97	60-135			
Ethyl tert-Butyl Ether (ETBE)	25.0	1.0	ug/l	25.0		100	65-135			
Methyl-tert-butyl Ether (MTBE)	25.8	1.0	ug/l	25.0		103	60-135			
tert-Amyl Methyl Ether (TAME)	28.7	1.0	ug/l	25.0		115	60-135			
tert-Butanol (TBA)	126	10	ug/l	125		101	70-135			
Ethanol	210	150	ug/l	250		84	40-155			
Surrogate: 4-Bromofluorobenzene	*26.8*		*ug/l*	*25.0*		*107*	*80-120*			
Surrogate: Dibromofluoromethane	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: Toluene-d8	*28.2*		*ug/l*	*25.0*		*113*	*80-120*			

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Report Number: IUH0732

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METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11H1105 Extracted: 08/09/11										
LCS Analyzed: 08/09/2011 (11H1105-BS2)										
Surrogate: 4-Bromofluorobenzene	*25.9*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: Dibromofluoromethane	*24.6*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Toluene-d8	*28.2*		*ug/l*	*25.0*		*113*	*80-120*			
Matrix Spike Analyzed: 08/09/2011 (11H1105-MS1)					**Source: IUH0738-01**					
Benzene	31.3	0.50	ug/l	25.0	ND	125	65-125			
1,2-Dibromoethane (EDB)	27.2	0.50	ug/l	25.0	ND	109	70-130			
1,2-Dichloroethane	25.7	0.50	ug/l	25.0	ND	103	60-140			
Ethylbenzene	32.0	0.50	ug/l	25.0	ND	128	65-130			
Toluene	30.0	0.50	ug/l	25.0	ND	120	70-125			
m,p-Xylenes	60.2	1.0	ug/l	50.0	ND	120	65-130			
o-Xylene	29.3	0.50	ug/l	25.0	ND	117	65-125			
Xylenes, Total	89.6	1.0	ug/l	75.0	ND	119	60-130			
Di-isopropyl Ether (DIPE)	25.1	1.0	ug/l	25.0	ND	100	60-140			
Ethyl tert-Butyl Ether (ETBE)	27.5	1.0	ug/l	25.0	ND	110	60-135			
Methyl-tert-butyl Ether (MTBE)	33.4	1.0	ug/l	25.0	7.32	105	55-145			
tert-Amyl Methyl Ether (TAME)	33.0	1.0	ug/l	25.0	ND	132	60-140			
tert-Butanol (TBA)	1120	10	ug/l	125	985	108	65-140			
Ethanol	185	150	ug/l	250	ND	74	40-155			
Surrogate: 4-Bromofluorobenzene	*25.6*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: Dibromofluoromethane	*23.9*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: Toluene-d8	*27.8*		*ug/l*	*25.0*		*111*	*80-120*			
Matrix Spike Dup Analyzed: 08/09/2011 (11H1105-MSD1)					**Source: IUH0738-01**					
Benzene	30.3	0.50	ug/l	25.0	ND	121	65-125	3	20	
1,2-Dibromoethane (EDB)	27.1	0.50	ug/l	25.0	ND	108	70-130	0.5	25	
1,2-Dichloroethane	24.1	0.50	ug/l	25.0	ND	96	60-140	6	20	
Ethylbenzene	30.8	0.50	ug/l	25.0	ND	123	65-130	4	20	
Toluene	29.6	0.50	ug/l	25.0	ND	118	70-125	1	20	
m,p-Xylenes	58.3	1.0	ug/l	50.0	ND	117	65-130	3	25	
o-Xylene	28.6	0.50	ug/l	25.0	ND	114	65-125	3	20	
Xylenes, Total	86.8	1.0	ug/l	75.0	ND	116	60-130	3	20	
Di-isopropyl Ether (DIPE)	24.4	1.0	ug/l	25.0	ND	98	60-140	3	25	
Ethyl tert-Butyl Ether (ETBE)	26.8	1.0	ug/l	25.0	ND	107	60-135	2	25	
Methyl-tert-butyl Ether (MTBE)	33.6	1.0	ug/l	25.0	7.32	105	55-145	0.3	25	
tert-Amyl Methyl Ether (TAME)	32.5	1.0	ug/l	25.0	ND	130	60-140	1	30	
tert-Butanol (TBA)	1090	10	ug/l	125	985	86	65-140	3	25	

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Project ID: 1601 Webster St., Alameda, CA

Report Number: IUH0732

Sampled: 08/04/11
Received: 08/05/11

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: 11H1105 Extracted: 08/09/11										
Matrix Spike Dup Analyzed: 08/09/2011 (11H1105-MSD1)					**Source: IUH0738-01**					
Ethanol	157	150	ug/l	250	ND	63	40-155	17	30	
Surrogate: 4-Bromofluorobenzene	*25.3*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Dibromofluoromethane	*23.7*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Toluene-d8	*28.1*		*ug/l*	*25.0*		*112*	*80-120*			
Batch: 11H1287 Extracted: 08/10/11										
Blank Analyzed: 08/10/2011 (11H1287-BLK1)										
Benzene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
o-Xylene	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Di-isopropyl Ether (DIPE)	ND	1.0	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	1.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	1.0	ug/l							
tert-Butanol (TBA)	ND	10	ug/l							
Surrogate: 4-Bromofluorobenzene	*23.8*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Dibromofluoromethane	*23.5*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: Toluene-d8	*24.4*		*ug/l*	*25.0*		*98*	*80-120*			
LCS Analyzed: 08/10/2011 (11H1287-BS1)										
Benzene	21.5	0.50	ug/l	25.0		86	70-120			
Ethylbenzene	23.5	0.50	ug/l	25.0		94	75-125			
Toluene	22.5	0.50	ug/l	25.0		90	70-120			
m,p-Xylenes	47.9	1.0	ug/l	50.0		96	75-125			
o-Xylene	24.1	0.50	ug/l	25.0		96	75-125			
Xylenes, Total	72.0	1.0	ug/l	75.0		96	70-125			
Di-isopropyl Ether (DIPE)	21.8	1.0	ug/l	25.0		87	60-135			
Ethyl tert-Butyl Ether (ETBE)	22.0	1.0	ug/l	25.0		88	65-135			
Methyl-tert-butyl Ether (MTBE)	22.1	1.0	ug/l	25.0		88	60-135			
tert-Amyl Methyl Ether (TAME)	23.3	1.0	ug/l	25.0		93	60-135			
tert-Butanol (TBA)	137	10	ug/l	125		109	70-135			
Surrogate: 4-Bromofluorobenzene	*23.2*		*ug/l*	*25.0*		*93*	*80-120*			
Surrogate: Dibromofluoromethane	*22.8*		*ug/l*	*25.0*		*91*	*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: 11H1287 Extracted: 08/10/11										
LCS Analyzed: 08/10/2011 (11H1287-BS1)										
Surrogate: Toluene-d8	*24.7*		*ug/l*	*25.0*		*99*	*80-120*			
Matrix Spike Analyzed: 08/10/2011 (11H1287-MS1)					**Source: IUH0620-04RE1**					
Benzene	22.2	0.50	ug/l	25.0	ND	89	65-125			
Ethylbenzene	24.7	0.50	ug/l	25.0	ND	99	65-130			
Toluene	23.2	0.50	ug/l	25.0	ND	93	70-125			
m,p-Xylenes	49.5	1.0	ug/l	50.0	ND	99	65-130			
o-Xylene	25.4	0.50	ug/l	25.0	ND	102	65-125			
Xylenes, Total	74.9	1.0	ug/l	75.0	ND	100	60-130			
Di-isopropyl Ether (DIPE)	23.0	1.0	ug/l	25.0	ND	92	60-140			
Ethyl tert-Butyl Ether (ETBE)	23.5	1.0	ug/l	25.0	ND	94	60-135			
Methyl-tert-butyl Ether (MTBE)	23.3	1.0	ug/l	25.0	ND	93	55-145			
tert-Amyl Methyl Ether (TAME)	24.2	1.0	ug/l	25.0	ND	97	60-140			
tert-Butanol (TBA)	126	10	ug/l	125	ND	101	65-140			
Surrogate: 4-Bromofluorobenzene	*24.0*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: Dibromofluoromethane	*23.5*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: Toluene-d8	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			
Matrix Spike Dup Analyzed: 08/10/2011 (11H1287-MSD1)					**Source: IUH0620-04RE1**					
Benzene	22.3	0.50	ug/l	25.0	ND	89	65-125	0.2	20	
Ethylbenzene	25.3	0.50	ug/l	25.0	ND	101	65-130	2	20	
Toluene	23.0	0.50	ug/l	25.0	ND	92	70-125	0.5	20	
m,p-Xylenes	50.6	1.0	ug/l	50.0	ND	101	65-130	2	25	
o-Xylene	25.9	0.50	ug/l	25.0	ND	104	65-125	2	20	
Xylenes, Total	76.5	1.0	ug/l	75.0	ND	102	60-130	2	20	
Di-isopropyl Ether (DIPE)	22.9	1.0	ug/l	25.0	ND	91	60-140	0.3	25	
Ethyl tert-Butyl Ether (ETBE)	23.1	1.0	ug/l	25.0	ND	92	60-135	2	25	
Methyl-tert-butyl Ether (MTBE)	22.6	1.0	ug/l	25.0	ND	90	55-145	3	25	
tert-Amyl Methyl Ether (TAME)	24.0	1.0	ug/l	25.0	ND	96	60-140	0.7	30	
tert-Butanol (TBA)	153	10	ug/l	125	ND	122	65-140	19	25	
Surrogate: 4-Bromofluorobenzene	*23.8*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Dibromofluoromethane	*22.8*		*ug/l*	*25.0*		*91*	*80-120*			
Surrogate: Toluene-d8	*24.0*		*ug/l*	*25.0*		*96*	*80-120*			

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METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11H1491 Extracted: 08/11/11										
Blank Analyzed: 08/11/2011 (11H1491-BLK1)										
Benzene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
o-Xylene	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Di-isopropyl Ether (DIPE)	ND	1.0	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	1.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	1.0	ug/l							
tert-Butanol (TBA)	ND	10	ug/l							
Surrogate: 4-Bromofluorobenzene	*23.4*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: Dibromofluoromethane	*23.7*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Toluene-d8	*24.3*		*ug/l*	*25.0*		*97*	*80-120*			
LCS Analyzed: 08/11/2011 (11H1491-BS1)										
Benzene	22.6	0.50	ug/l	25.0		91	70-120			
Ethylbenzene	26.3	0.50	ug/l	25.0		105	75-125			
Toluene	23.8	0.50	ug/l	25.0		95	70-120			
m,p-Xylenes	52.7	1.0	ug/l	50.0		105	75-125			
o-Xylene	26.7	0.50	ug/l	25.0		107	75-125			
Xylenes, Total	79.4	1.0	ug/l	75.0		106	70-125			
Di-isopropyl Ether (DIPE)	22.8	1.0	ug/l	25.0		91	60-135			
Ethyl tert-Butyl Ether (ETBE)	22.7	1.0	ug/l	25.0		91	65-135			
Methyl-tert-butyl Ether (MTBE)	23.0	1.0	ug/l	25.0		92	60-135			
tert-Amyl Methyl Ether (TAME)	23.4	1.0	ug/l	25.0		94	60-135			
tert-Butanol (TBA)	165	10	ug/l	125		132	70-135			
Surrogate: 4-Bromofluorobenzene	*24.5*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Dibromofluoromethane	*22.9*		*ug/l*	*25.0*		*92*	*80-120*			
Surrogate: Toluene-d8	*24.6*		*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: 11H1491 Extracted: 08/11/11										
Matrix Spike Analyzed: 08/11/2011 (11H1491-MS1)					**Source: IUH0595-13**					
Benzene	22.3	0.50	ug/l	25.0	ND	89	65-125			
Ethylbenzene	24.5	0.50	ug/l	25.0	ND	98	65-130			
Toluene	23.5	0.50	ug/l	25.0	ND	94	70-125			
m,p-Xylenes	49.5	1.0	ug/l	50.0	ND	99	65-130			
o-Xylene	24.9	0.50	ug/l	25.0	ND	100	65-125			
Xylenes, Total	74.4	1.0	ug/l	75.0	ND	99	60-130			
Di-isopropyl Ether (DIPE)	23.1	1.0	ug/l	25.0	1.07	88	60-140			
Ethyl tert-Butyl Ether (ETBE)	22.1	1.0	ug/l	25.0	ND	88	60-135			
Methyl-tert-butyl Ether (MTBE)	113	1.0	ug/l	25.0	98.1	60	55-145			
tert-Amyl Methyl Ether (TAME)	23.5	1.0	ug/l	25.0	ND	94	60-140			
tert-Butanol (TBA)	172	10	ug/l	125	20.6	121	65-140			
Surrogate: 4-Bromofluorobenzene	*23.8*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Dibromofluoromethane	*22.6*		*ug/l*	*25.0*		*90*	*80-120*			
Surrogate: Toluene-d8	*25.0*		*ug/l*	*25.0*		*100*	*80-120*			
Matrix Spike Dup Analyzed: 08/11/2011 (11H1491-MSD1)					**Source: IUH0595-13**					
Benzene	22.0	0.50	ug/l	25.0	ND	88	65-125	1	20	
Ethylbenzene	23.9	0.50	ug/l	25.0	ND	96	65-130	2	20	
Toluene	23.1	0.50	ug/l	25.0	ND	92	70-125	2	20	
m,p-Xylenes	48.5	1.0	ug/l	50.0	ND	97	65-130	2	25	
o-Xylene	24.6	0.50	ug/l	25.0	ND	98	65-125	2	20	
Xylenes, Total	73.1	1.0	ug/l	75.0	ND	97	60-130	2	20	
Di-isopropyl Ether (DIPE)	23.4	1.0	ug/l	25.0	1.07	89	60-140	1	25	
Ethyl tert-Butyl Ether (ETBE)	23.1	1.0	ug/l	25.0	ND	92	60-135	4	25	
Methyl-tert-butyl Ether (MTBE)	114	1.0	ug/l	25.0	98.1	64	55-145	0.8	25	
tert-Amyl Methyl Ether (TAME)	24.7	1.0	ug/l	25.0	ND	99	60-140	5	30	
tert-Butanol (TBA)	162	10	ug/l	125	20.6	113	65-140	6	25	
Surrogate: 4-Bromofluorobenzene	*23.8*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Dibromofluoromethane	*23.2*		*ug/l*	*25.0*		*93*	*80-120*			
Surrogate: Toluene-d8	*25.2*		*ug/l*	*25.0*		*101*	*80-120*			

TestAmerica Irvine

Philip Sanelle
Project Manager

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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: 1601 Webster St., Alameda, CA
Report Number: IUH0732

Sampled: 08/04/11
Received: 08/05/11

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: 11H1663 Extracted: 08/12/11										
Blank Analyzed: 08/12/2011 (11H1663-BLK1)										
Benzene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
o-Xylene	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Di-isopropyl Ether (DIPE)	ND	1.0	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	1.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	1.0	ug/l							
tert-Butanol (TBA)	ND	10	ug/l							
Surrogate: 4-Bromofluorobenzene	*22.8*		*ug/l*	*25.0*		*91*	*80-120*			
Surrogate: Dibromofluoromethane	*22.0*		*ug/l*	*25.0*		*88*	*80-120*			
Surrogate: Toluene-d8	*26.1*		*ug/l*	*25.0*		*104*	*80-120*			
LCS Analyzed: 08/12/2011 (11H1663-BS1)										
Benzene	24.5	0.50	ug/l	25.0		98	70-120			
Ethylbenzene	25.5	0.50	ug/l	25.0		102	75-125			
Toluene	26.2	0.50	ug/l	25.0		105	70-120			
m,p-Xylenes	55.4	1.0	ug/l	50.0		111	75-125			
o-Xylene	25.9	0.50	ug/l	25.0		104	75-125			
Xylenes, Total	81.3	1.0	ug/l	75.0		108	70-125			
Di-isopropyl Ether (DIPE)	23.2	1.0	ug/l	25.0		93	60-135			
Ethyl tert-Butyl Ether (ETBE)	20.6	1.0	ug/l	25.0		82	65-135			
Methyl-tert-butyl Ether (MTBE)	22.2	1.0	ug/l	25.0		89	60-135			
tert-Amyl Methyl Ether (TAME)	20.3	1.0	ug/l	25.0		81	60-135			
tert-Butanol (TBA)	139	10	ug/l	125		111	70-135			
Surrogate: 4-Bromofluorobenzene	*24.4*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Dibromofluoromethane	*22.6*		*ug/l*	*25.0*		*90*	*80-120*			
Surrogate: Toluene-d8	*25.9*		*ug/l*	*25.0*		*104*	*80-120*			

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Attention: Lorin King

Project ID: 1601 Webster St., Alameda, CA

Report Number: IUH0732

Sampled: 08/04/11
Received: 08/05/11

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: 11H1663 Extracted: 08/12/11										
Matrix Spike Analyzed: 08/12/2011 (11H1663-MS1)					**Source: IUH0595-09**					
Benzene	25.7	0.50	ug/l	25.0	ND	103	65-125			
Ethylbenzene	26.7	0.50	ug/l	25.0	ND	107	65-130			
Toluene	28.1	0.50	ug/l	25.0	ND	112	70-125			
m,p-Xylenes	56.6	1.0	ug/l	50.0	ND	113	65-130			
o-Xylene	26.8	0.50	ug/l	25.0	ND	107	65-125			
Xylenes, Total	83.5	1.0	ug/l	75.0	ND	111	60-130			
Di-isopropyl Ether (DIPE)	24.0	1.0	ug/l	25.0	ND	96	60-140			
Ethyl tert-Butyl Ether (ETBE)	21.6	1.0	ug/l	25.0	ND	86	60-135			
Methyl-tert-butyl Ether (MTBE)	24.9	1.0	ug/l	25.0	0.530	97	55-145			
tert-Amyl Methyl Ether (TAME)	21.1	1.0	ug/l	25.0	ND	85	60-140			
tert-Butanol (TBA)	140	10	ug/l	125	ND	112	65-140			
Surrogate: 4-Bromofluorobenzene	*25.3*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Dibromofluoromethane	*23.4*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: Toluene-d8	*26.3*		*ug/l*	*25.0*		*105*	*80-120*			
Matrix Spike Dup Analyzed: 08/12/2011 (11H1663-MSD1)					**Source: IUH0595-09**					
Benzene	25.9	0.50	ug/l	25.0	ND	104	65-125	0.9	20	
Ethylbenzene	26.8	0.50	ug/l	25.0	ND	107	65-130	0.3	20	
Toluene	27.5	0.50	ug/l	25.0	ND	110	70-125	2	20	
m,p-Xylenes	57.8	1.0	ug/l	50.0	ND	116	65-130	2	25	
o-Xylene	27.4	0.50	ug/l	25.0	ND	109	65-125	2	20	
Xylenes, Total	85.2	1.0	ug/l	75.0	ND	114	60-130	2	20	
Di-isopropyl Ether (DIPE)	24.7	1.0	ug/l	25.0	ND	99	60-140	3	25	
Ethyl tert-Butyl Ether (ETBE)	21.8	1.0	ug/l	25.0	ND	87	60-135	1	25	
Methyl-tert-butyl Ether (MTBE)	25.5	1.0	ug/l	25.0	0.530	100	55-145	2	25	
tert-Amyl Methyl Ether (TAME)	21.3	1.0	ug/l	25.0	ND	85	60-140	0.6	30	
tert-Butanol (TBA)	148	10	ug/l	125	ND	119	65-140	6	25	
Surrogate: 4-Bromofluorobenzene	*24.4*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Dibromofluoromethane	*23.6*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Toluene-d8	*26.2*		*ug/l*	*25.0*		*105*	*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: 1601 Webster St., Alameda, CA
Report Number: IUH0732

Sampled: 08/04/11
Received: 08/05/11

DATA QUALIFIERS AND DEFINITIONS

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 IUH0732

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 240467

PO # 40-40347373

INCIDENT # (ENV SERVICES) 97564701

SAP #

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 8/4/11

PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services

LOG CODE: BTSS

ADDRESS: 1680 Rogers Avenue, San Jose, CA

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

TELEPHONE: 310-995-4455 x 108

FAX: 310-637-5802

E-MAIL: lking@blainetech.com

SITE ADDRESS: Street and City: 1601 Webster St., Alameda

State: CA

GLOBAL ID NO.: T0600137103

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

PHONE NO.: 510-420-3343

E-MAIL: shelledf@craworld.com

CONSULTANT PROJECT NO.: 110804-BP1

SAMPLER NAME(S) (Print): Ben Powell

LAB USE ONLY

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

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

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

REQUESTED ANALYSIS

TEMPERATURE ON RECEIPT C°: 3.8

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH -GRO, Purgeable (8260B)	TPH -DRO, Extractable (8015M)	TPHg (8015M)	BTEX (8260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B)	BTEX + 5 OXYs (MTBE, TBA, DIPE, TAME, ETBE) 8260B	Full VOC list (8260B)	Single Compound: ____ (8260B)	1,2-DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	Container PID Readings or Laboratory Notes
	TBW-N	8-4-11	1045	W	X					3	X						X			X	X	X		
	S-2	8-4-11	1130	W	X					3	X						X							
	S-3	8-4-11	1145	W	X					3	X						X							
	S-4	8-4-11	1200	W	X					3	X						X							
	S-4B	8-4-11	1115	W	X					3	X						X							
	S-5	8-4-11	1100	W	X					3	X						X							
	S-6	8-4-11	1215	W	X					3	X						X							
	S-7	8-4-11	1235	W	X					3	X						X							
	S-8	8-4-11	1250	W	X					3	X						X							
	S-9	8-4-11	1310	W	X					3	X						X							

0.0 8/6/11 9:35

Relinquished by: (Signature)	Received by: (Signature) (sample custodian)	Date: 8-4-11	Time: 1430
Relinquished by: (Signature)	Received by: (Signature)	Date: 8/4/11	Time: 1625
Relinquished by: (Signature) 8-4-11 19:45	Received by: (Signature)	Date:	Time:

05/2/06 Revision

3.8

APPENDIX C

TRC –
DATA TABLES FOR FORMER 76 STATION NO. 0843

Table 1
Current Groundwater Gauging and Analytical Results
Union Oil of California
Unocal Site 0843
1629 Webster Street, Alameda, California

Well ID	Date Sampled	TOC Elevation (feet AMSL)	DTW (feet bTOC)	LPH Thickness (feet)	GW Elevation (feet AMSL)	TPH-G Luft-GC/MS	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	TBA	TAME	ETBE	DIPE	EDB	EDC	Ethanol	Comments
MW-1	8/4/2011	19.13	6.78	0.00	12.35	310	<0.50	<0.50	<0.50	<1.0	420	13	<0.50	<0.50	<0.50	<0.50	<0.50	<250	A01, A90
MW-1AR	8/4/2011	19.29	6.95	0.00	12.34	<50	<0.50	<0.50	<0.50	<1.0	16	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-1BR	8/4/2011	19.13	6.92	0.00	12.21	59	<0.50	<0.50	<0.50	<1.0	60	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	A90
MW-3	8/4/2011	18.05	6.10	0.00	11.95	<50	<0.50	<0.50	<0.50	<1.0	0.55	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-4	8/4/2011	18.14	6.00	0.00	12.14	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-5	8/4/2011	16.45	5.63	0.00	10.82	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-6	8/4/2011	16.97	5.69	0.00	11.28	75	<0.50	<0.50	<0.50	<1.0	80	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	A90
MW-7	8/4/2011	17.81	5.85	0.00	11.96	2,300	<0.50	<0.50	<0.50	<1.0	6,300	2,200	6.7	<0.50	<0.50	<0.50	<0.50	<250	A01, A90
MW-8	8/4/2011	18.13	6.23	0.00	11.90	2,000	<0.50	<0.50	<0.50	<1.0	4,400	370	4.9	<0.50	<0.50	<0.50	<0.50	<250	A01, A90
MW-9	8/4/2011	18.75	6.59	0.00	12.16	62	<0.50	<0.50	<0.50	<1.0	59	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	A90
MW-10	8/4/2011	18.84	6.73	0.00	12.11	<50	<0.50	<0.50	<0.50	<1.0	7.4	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<250	
MW-11	8/4/2011	18.72	6.54	0.00	12.18	1,400	<0.50	<0.50	<0.50	<1.0	2,000	110	2.4	<0.50	<0.50	<0.50	<0.50	<250	A01, A90

Note

Analytical results given in micrograms per liter (µg/l) unless otherwise noted

Standard Abbreviations

<	not detected at or above laboratory detection limit
µg/l	micrograms per liter (approx. equivalent to parts per billion, ppb)
TOC	top of casing (surveyed reference elevation)
AMSL	above mean sea level
DTW	depth to water
bTOC	below top of casing
LPH	liquid-phase hydrocarbons
GW	groundwater
TPH-G	total petroleum hydrocarbons as gasoline
MTBE	methyl tertiary butyl ether
TBA	tertiary butyl alcohol
TAME	tertiary amyl methyl ether
ETBE	ethyl tertiary butyl ether
DIPE	di-isopropyl ether
EDB	1,2-dibromoethane
EDC	1,2-dichloroethane (same as ethylene dichloride)
8260B	EPA Method 8260B for BTEX/MTBE/Oxygenates
GC/MS	gas chromatography–mass spectrometry
A01	PQL's and MDL's are raised due to sample dilution.
A90	TPPH does not exhibit a "gasoline" pattern. TPPH is entirely due to MTBE.