CONESTOGA-ROVERS & ASSOCIATES

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

TRANSMITTAL

DATE: November 15, 2011

REFERENCE NO.: 240523

PROJECT NAME: 4212 First Street, Pleasanton

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

RECEIVED
9:33 am, Nov 17, 2011
Alameda County
Environmental Health

Please find enclosed:
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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)
Douglas E. & Mary M. Safreno (property owner), 1627 Vineyard Avenue, Pleasanton, CA 94566-6389
Danielle Stefani, Livermore-Pleasanton Fire Department, 3560 Nevada Street, Pleasanton, CA 4566-6267
Cheryl Dizon, Zone 7 Water Agency, 100 North Canyons Parkway, Livermore, CA 94551
Clint Mercer (lessee), SC Fuels, 1800 West Katella Avenue, Orange, CA 92867

Completed by: Peter Schaefer Signed: Peter Schaefer

Filing: **Correspondence File**

Denis L. Brown
Shell Oil Products US
HSE – Environmental Services
20945 S. Wilmington Ave.
Carson, CA 90810-1039
Tel (707) 865 0251
Fax (707) 865 2542
Email denis.l.brown@shell.com

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

Re: Shell-branded Service Station
4212 First Street
Pleasanton, California
SAP Code 135782
Incident No. 98995840
ACEH Case No. RO0000360

Dear Mr. Wickham:

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

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

Sincerely,

Denis L. Brown
Senior Program Manager

GROUNDWATER MONITORING REPORT - THIRD QUARTER 2011

SHELL-BRANDED SERVICE STATION
4212 FIRST STREET
PLEASANTON, CALIFORNIA

SAP CODE	135782
INCIDENT NO.	98995840
AGENCY NO.	RO0000360

Prepared by:
Conestoga-Rovers & Associates

5900 Hollis Street, Suite A
Emeryville, California
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NOVEMBER 15, 2011
REF. NO. 240523 (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	4212 First Street, Pleasanton
Site Use	Shell-branded Service Station
Shell Project Manager	Denis Brown
CRA Project Manager	Peter Schaefer
Lead Agency and Contact	ACEH, Jerry Wickham
Agency Case No.	RO0000360
Shell SAP Code	135782
Shell Incident No.	98995840

Date of most recent agency correspondence was August 18, 2011.

2.0 SITE ACTIVITIES, FINDINGS, AND DISCUSSION

2.1 CURRENT QUARTER'S ACTIVITIES

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

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

CRA submitted a corrective action plan recommending monitored natural attenuation on October 24, 2011.

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Northerly to northeasterly
Hydraulic Gradient	Variable
Depth to Water	31.64 to 82.90 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 quarterly, and CRA will issue groundwater monitoring reports quarterly following the sampling events.

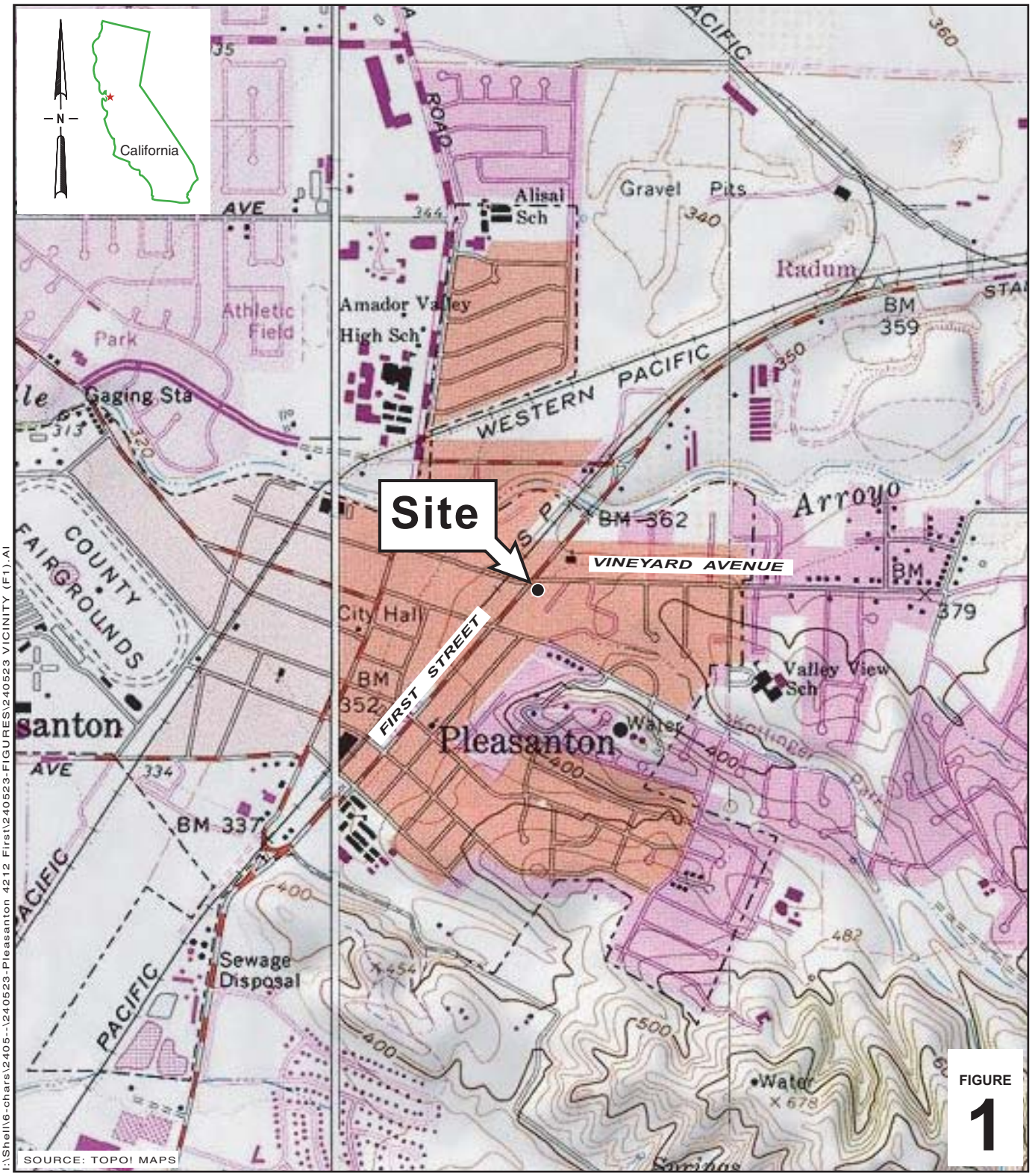
All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

Peter Schaefer, CHG, CEG

Aubrey K. Cool, PG

FIGURES

01/18/2011



I:\Shell\6-chars\2405-\240523-Pleasanton 4212 First\240523-FIGURES\240523 VICINITY (F1).AI

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

FIGURE 1

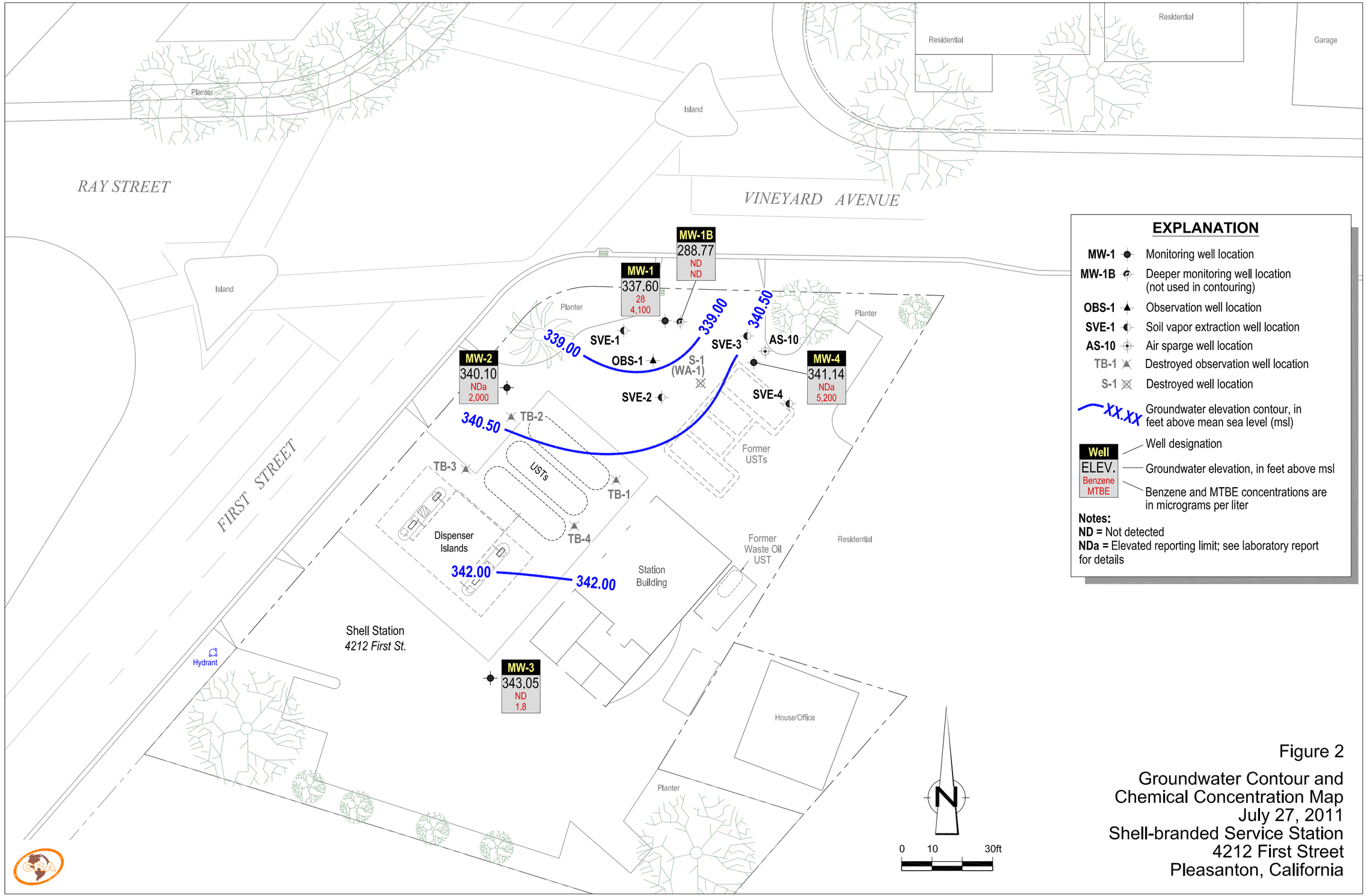
Shell-branded Service Station

4212 First Street

Pleasanton, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map



EXPLANATION

- **MW-1** — Monitoring well location
- **MW-1B** — Deeper monitoring well location (not used in contouring)
- **OBS-1** — Observation well location
- **SVE-1** — Soil vapor extraction well location
- **AS-10** — Air sparge well location
- **TB-1** — Destroyed observation well location
- **S-1** — Destroyed well location
- **XX.XX** — Groundwater elevation contour, in feet above mean sea level (msl)
- **Well** / ELEV. / Benzene / MTBE — Well designation; Groundwater elevation, in feet above msl; Benzene and MTBE concentrations are in micrograms per liter

Notes:
ND = Not detected
NDa = Elevated reporting limit; see laboratory report for details

Figure 2

Groundwater Contour and Chemical Concentration Map
July 27, 2011
Shell-branded Service Station
4212 First Street
Pleasanton, California

I:\Shell\6-chars\2405--\240523-Pleasanton 4212 First\240523-REPORTS\240523-RPT9-3Q11\240523 3QM11-GW.DWG (10/03/2011)

TABLE

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
4212 FIRST STREET, PLEASANTON, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)
MW-1	06/16/1999	---	---	---	---	---	---	---	---	---	---	---	371.20	37.81	333.39
MW-1	06/30/1999	89.0	5.89	<0.500	<0.500	0.652	<5.00	---	---	---	---	---	371.20	33.65	337.55
MW-1	09/24/1999	1,560	473	<10.0	<10.0	22.8	<2.50	---	---	---	---	---	371.20	37.04	334.16
MW-1	12/08/1999	1,020	375	<5.00	<5.00	15.2	<50.0	---	---	---	---	---	371.20	36.79	334.41
MW-1	02/10/2000	523	106	<5.00	<5.00	31.8	2.9	---	---	---	---	---	371.20	34.90	336.30
MW-1	05/17/2000	<50.0	<0.500	<0.500	<0.500	<0.500	37	29.5	---	---	---	---	371.20	32.55	338.65
MW-1	08/03/2000	808	290	<2.50	<2.50	8.9	<12.5	---	---	---	---	---	371.20	39.13	332.07
MW-1	10/31/2000	507	250	0.962	<0.500	23.5	3.76	---	---	---	---	---	371.20	37.91	333.29
MW-1	03/01/2001	<50.0	<0.500	<0.500	<0.500	<0.500	74.6	---	---	---	---	---	371.20	39.60	331.60
MW-1	05/30/2001	780	280	<2.0	<2.0	11	---	<2.0	---	---	---	---	371.20	39.53	331.67
MW-1	08/02/2001	1,900	580	<2.5	<2.5	12	---	<25	---	---	---	---	371.20	39.61	331.59
MW-1	12/06/2001	840	190	<0.50	<0.50	13	---	<5.0	---	---	---	---	371.20	39.63	331.57
MW-1	02/05/2002	2,700	650	<2.5	<2.5	7.2	---	<25	---	---	---	---	371.20	35.53	335.67
MW-1	06/17/2002	2,500	550	<2.0	<2.0	5.9	---	<20	---	---	---	---	371.20	39.29	331.91
MW-1	07/25/2002	690	130	<0.50	<0.50	4.4	---	18	---	---	---	---	371.20	39.39	331.81
MW-1	11/14/2002	400	31	<0.50	<0.50	2.7	---	27	---	---	---	---	371.20	40.00	331.20
MW-1	02/12/2003	840	0.85	<0.50	<0.50	<0.50	---	40	---	---	---	---	371.20	32.92	338.28
MW-1	05/14/2003	680	190	<2.5	<2.5	<5.0	---	95	---	---	---	---	371.20	32.57	338.63
MW-1	07/29/2003	870	190	<2.5	<2.5	<5.0	---	150	---	---	---	---	371.20	33.82	337.38
MW-1	11/19/2003	<200	14	<2.0	<2.0	<4.0	---	230	---	---	---	---	371.20	38.28	332.92
MW-1	02/19/2004	58 f	11	<0.50	<0.50	<1.0	---	85	---	---	---	---	371.20	36.93	334.27
MW-1	05/03/2004	670	310	<2.5	<2.5	<5.0	---	420	---	---	---	---	371.20	32.70	338.50
MW-1	08/24/2004	430 f	34	<2.5	<2.5	<5.0	---	690	---	---	---	---	371.20	34.66	336.54
MW-1	11/15/2004	<250	29	<2.5	<2.5	<5.0	---	470	---	---	---	---	371.20	38.27	332.93
MW-1	02/02/2005	540 k	87	<2.5	<2.5	<5.0	---	700	---	---	---	---	371.20	32.02	339.18
MW-1	05/05/2005	460 k	88	<2.5	<2.5	<5.0	---	300	---	---	---	---	371.20	36.82	334.38
MW-1	08/05/2005	910	230	<2.5	<2.5	<5.0	---	480	---	---	---	---	371.20	33.35	337.85
MW-1	11/22/2005	1,760	27	<0.500	<0.500	1.18	---	1,160	---	---	---	---	371.20	33.42	337.78
MW-1	02/07/2006	4,620	225	<0.500	<0.500	<0.500	---	1,480	---	---	---	---	371.20	31.63	339.57
MW-1	05/16/2006	1,100	130	<0.50	2.0	2.1	---	1,600	---	---	---	---	371.20	31.16	340.04
MW-1	08/21/2006	2,700	86	<0.500	0.79	0.81	---	1,960	---	---	---	---	371.20	33.07	338.13

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
4212 FIRST STREET, PLEASANTON, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)
MW-1	11/14/2006	1,400 f	30	<25	<25	<25	---	2,100	<1,000	<25	<25	<25	371.20	33.73	337.47
MW-1	02/01/2007	800	21	<0.50	<0.50	<1.0	---	2,300	---	---	---	---	371.20	33.02	338.18
MW-1	06/01/2007	1,400 j,k	68	<20	<20	4.4 l	---	2,200	---	---	---	---	371.20	32.87	338.33
MW-1	08/22/2007	250 j	20	<20	<20	<20	---	3,100	1,500	---	---	---	371.20	34.64	336.56
MW-1	11/26/2007	1,800 j	33	<20	<20	<20	---	3,100	930	<40	<40	<40	371.20	35.59	335.61
MW-1	02/19/2008	1,800 j	33	<20	<20	<20	---	3,700	1,700	---	---	---	371.20	31.05	340.15
MW-1	05/23/2008	3,700	100	<25	<25	<25	---	3,100	1,300	---	---	---	371.20	31.80	339.40
MW-1	08/07/2008	4,200	33	<25	<25	<25	---	3,500	<250	---	---	---	371.20	33.03	338.17
MW-1	12/03/2008	3,400	34	<25	<25	<25	---	3,200	980	---	---	---	371.20	35.19	336.01
MW-1	02/05/2009	2,100	26	<25	<25	<25	---	1,700	340	---	---	---	371.20	35.07	336.13
MW-1	05/07/2009	4,400	230	<25	<25	<25	---	3,700	980	---	---	---	371.20	32.45	338.75
MW-1	08/20/2009	3,100	86	<25	<25	<25	---	2,500	730	---	---	---	371.20	34.48	336.72
MW-1	11/09/2009	3,200	230	<20	<20	33	---	2,100	530	<40	<40	<40	371.20	35.84	335.36
MW-1	02/11/2010	4,400	30	<20	<20	<20	---	3,000	730	---	---	---	371.20	34.06	337.14
MW-1	05/13/2010	3,300	38	<20	<20	<20	---	3,300	1,100	---	---	---	371.20	31.99	339.21
MW-1	08/05/2010	4,200	12	<20	<20	<20	---	3,800	1,300	---	---	---	371.20	33.70	337.50
MW-1	10/30/2010	2,700	<10	<20	<20	<20	---	3,400	770	<40	<40	<40	371.20	33.12	338.08
MW-1	02/09/2011	2,600	32	<12	<12	<25	---	3,400	1,100	---	---	---	371.20	33.03	338.17
MW-1	05/31/2011	<2,500	26	<25	<25	<50	---	3,000	1,000	---	---	---	371.20	32.21	338.99
MW-1	**07/27/2011**	**3,900 m**	**28**	**<10**	**<10**	**<20**	**---**	**4,100**	**1,400**	**---**	**---**	**---**	**371.20**	**33.60**	**337.60**
MW-1B	09/21/2006	---	---	---	---	---	---	---	---	---	---	---	371.67	76.94	294.73
MW-1B	09/28/2006	<50	<0.50	<0.50	<0.50	<0.50	---	21	<20	---	---	---	371.67	77.15	294.52
MW-1B	11/14/2006	320 f	<5.0	<5.0	<5.0	<5.0	---	310	<200	<5.0	<5.0	<5.0	371.67	69.38	302.29
MW-1B	02/01/2007	77	0.53	<0.50	<0.50	<1.0	---	150	---	---	---	---	371.67	60.92	310.75
MW-1B	06/01/2007	<50 j,k	0.25 l	<1.0	<1.0	<1.0	---	74	---	---	---	---	371.67	61.07	310.60
MW-1B	08/22/2007	<50 j	0.25 l	<1.0	<1.0	<1.0	---	35	7.1 l	---	---	---	371.67	77.54	294.13
MW-1B	11/26/2007	<50 j	<0.50	<1.0	<1.0	<1.0	---	1.7	<10	<2.0	<2.0	<2.0	371.67	68.50	303.17
MW-1B	02/19/2008	65 j	2.6	4.2	<1.0	1.1	---	58	<10	---	---	---	371.67	57.21	314.46
MW-1B	05/23/2008	<50	<0.50	<1.0	<1.0	<1.0	---	3.6	<10	---	---	---	371.67	57.53	314.14
MW-1B	08/07/2008	<50	<0.50	<1.0	<1.0	<1.0	---	1.1	<10	---	---	---	371.67	72.51	299.16

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
4212 FIRST STREET, PLEASANTON, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)
MW-1B	12/03/2008	<50	<0.50	<1.0	<1.0	<1.0	---	3.4	<10	---	---	---	371.67	80.84	290.83
MW-1B	02/05/2009	<50	<0.50	<1.0	<1.0	<1.0	---	4.4	<10	---	---	---	371.67	76.11	295.56
MW-1B	05/07/2009	<50	<0.50	<1.0	<1.0	<1.0	---	2.5	13	---	---	---	371.67	66.97	304.70
MW-1B	08/20/2009	<50	<0.50	<1.0	<1.0	<1.0	---	1.7	<10	---	---	---	371.67	97.32	274.35
MW-1B	11/09/2009	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	371.67	98.90	272.77
MW-1B	02/11/2010	<50	<0.50	<1.0	<1.0	<1.0	---	1.1	<10	---	---	---	371.67	90.72	280.95
MW-1B	05/13/2010	<50	<0.50	<1.0	<1.0	<1.0	---	2.0	<10	---	---	---	371.67	80.56	291.11
MW-1B	08/05/2010	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	---	---	---	371.67	90.10	281.57
MW-1B	10/30/2010	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	371.67	102.21	269.46
MW-1B	02/09/2011	<50	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	---	---	---	371.67	90.24	281.43
MW-1B	05/31/2011	<50	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	---	---	---	371.67	73.83	297.84
MW-1B	**07/27/2011**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**<1.0**	**<10**	**---**	**---**	**---**	**371.67**	**82.90**	**288.77**
MW-2	02/03/2000	---	---	---	---	---	---	---	---	---	---	---	372.40	32.65	339.75
MW-2	02/07/2000	---	---	---	---	---	---	---	---	---	---	---	372.40	35.51	336.89
MW-2	02/10/2000	<50.0	<0.500	<0.500	<0.500	<0.500	2.61	---	---	---	---	---	372.40	36.62	335.78
MW-2	05/17/2000	120	4.09	<0.500	<0.500	<0.500	29	---	---	---	---	---	372.40	32.14	340.26
MW-2	08/03/2000	<50.0	0.692	<0.500	<0.500	<0.500	40.5	36.6 b	---	---	---	---	372.40	32.42	339.98
MW-2	10/31/2000	<50.0	<0.500	<0.500	<0.500	<0.500	57.4	44.8 a	---	---	---	---	372.40	33.02	339.38
MW-2	03/01/2001	173	1.64	1.65	2.86	3.97	127	167	---	---	---	---	372.40	32.54	339.86
MW-2	05/30/2001	<50	<0.50	<0.50	<0.50	<0.50	---	170	---	---	---	---	372.40	32.42	339.98
MW-2	08/02/2001	<50	<0.50	<0.50	<0.50	<0.50	---	160	---	---	---	---	372.40	32.55	339.85
MW-2	12/06/2001	<50	<0.50	<0.50	<0.50	<0.50	---	170	---	---	---	---	372.40	33.15	339.25
MW-2	02/05/2002	<50	0.72	<0.50	<0.50	1.7	---	170	---	---	---	---	372.40	32.29	340.11
MW-2	06/17/2002	<50	<0.50	<0.50	<0.50	<0.50	---	260	---	---	---	---	372.40	32.63	339.77
MW-2	07/25/2002	<50	<0.50	<0.50	<0.50	<0.50	---	280	---	---	---	---	372.40	32.80	339.60
MW-2	11/14/2002	120	13	9.0	3.8	14	---	430	---	---	---	---	372.40	33.31	339.09
MW-2	02/12/2003	<100	<1.0	<1.0	<1.0	<1.0	---	430	---	---	---	---	372.40	32.15	340.25
MW-2	05/14/2003	<250	<2.5	<2.5	<2.5	<5.0	---	470	---	---	---	---	372.40	32.01	340.39
MW-2	07/29/2003	<250	<2.5	<2.5	<2.5	<5.0	---	670	---	---	---	---	372.40	32.51	339.89
MW-2	11/19/2003	<50	<0.50	<0.50	<0.50	<1.0	---	54	---	---	---	---	372.40	33.83	338.57

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
4212 FIRST STREET, PLEASANTON, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)
MW-2	02/19/2004	65	<0.50	3.4	1.4	6.5	---	8.2	---	---	---	---	372.40	32.68	339.72
MW-2	05/03/2004	<50	<0.50	<0.50	<0.50	<1.0	---	5.2	---	---	---	---	372.40	32.07	340.33
MW-2	08/24/2004	<50	<0.50	<0.50	<0.50	<1.0	---	2.7	---	---	---	---	372.40	32.44	339.96
MW-2	11/15/2004	<50	<0.50	<0.50	<0.50	<1.0	---	1.3	---	---	---	---	372.40	32.95	339.45
MW-2	02/02/2005	<50	<0.50	<0.50	<0.50	<1.0	---	24	---	---	---	---	372.40	31.94	340.46
MW-2	05/05/2005	72 f	<0.50	<0.50	<0.50	<1.0	---	4.9	---	---	---	---	372.40	31.91	340.49
MW-2	08/05/2005	<50	<0.50	<0.50	<0.50	<1.0	---	16	---	---	---	---	372.40	32.15	340.25
MW-2	11/22/2005	840	0.80	<0.500	<0.500	0.87	---	556	---	---	---	---	372.40	32.31	340.09
MW-2	02/07/2006	3,550	<0.500	<0.500	<0.500	<0.500	---	2,500	---	---	---	---	372.40	31.70	340.70
MW-2	05/16/2006	1,400	<5.0	<5.0	<5.0	<10	---	1,700	---	---	---	---	372.40	31.38	341.02
MW-2	08/21/2006	1,910	<0.500	<0.500	<0.500	<0.500	---	2,590	---	---	---	---	372.40	33.29	339.11
MW-2	11/14/2006	2,300 f	<25	<25	<25	<25	---	2,500	<1,000	<25	<25	<25	372.40	32.67	339.73
MW-2	02/01/2007	670	<0.50	<0.50	<0.50	<1.0	---	2,000	---	---	---	---	372.40	32.13	340.27
MW-2	06/01/2007	500 j,k	<10	<20	<20	<20	---	2,000	---	---	---	---	372.40	32.14	340.26
MW-2	08/22/2007	100 j,k	<10	<20	<20	<20	---	2,400	120 l	---	---	---	372.40	32.93	339.47
MW-2	11/26/2007	1,600 j,k	<10	<20	<20	<20	---	2,900	<200	<40	<40	<40	372.40	33.44	338.96
MW-2	02/19/2008	1,300 j,k	<10	<20	<20	<20	---	3,300	<200	---	---	---	372.40	31.18	341.22
MW-2	05/23/2008	1,900	<12	<25	<25	<25	---	1,700	<250	---	---	---	372.40	31.44	340.96
MW-2	08/07/2008	1,700	<10	<20	<20	<20	---	1,300	<200	---	---	---	372.40	31.94	340.46
MW-2	12/03/2008	3,000	<10	<20	<20	<20	---	2,900	<200	---	---	---	372.40	32.53	339.87
MW-2	02/05/2009	1,200	<10	<20	<20	<20	---	1,000	<200	---	---	---	372.40	32.29	340.11
MW-2	05/07/2009	2,400	<10	<20	<20	<20	---	2,400	<200	---	---	---	372.40	31.98	340.42
MW-2	08/20/2009	2,800	<10	<20	<20	<20	---	2,400	<200	---	---	---	372.40	32.51	339.89
MW-2	11/09/2009	4,100	<12	<25	<25	<25	---	3,800	<250	<50	<50	<50	372.40	32.43	339.97
MW-2	02/11/2010	4,300	<12	<25	<25	<25	---	3,200	<250	---	---	---	372.40	32.07	340.33
MW-2	05/13/2010	2,400	<10	<20	<20	<20	---	2,500	<200	---	---	---	372.40	31.63	340.77
MW-2	08/05/2010	1,500	<5.0	<10	<10	<10	---	1,400	210	---	---	---	372.40	33.82	338.58
MW-2	10/30/2010	1,700	<5.0	<10	<10	<10	---	2,200	130	<20	<20	<20	372.40	32.82	339.58
MW-2	02/09/2011	1,400	<12	<12	<12	<25	---	1,900	<250	---	---	---	372.40	32.11	340.29
MW-2	05/31/2011	<1,000	<10	<10	<10	<20	---	1,200	<200	---	---	---	372.40	31.97	340.43
MW-2	**07/27/2011**	**1,600 m**	**<10**	**<10**	**<10**	**<20**	**---**	**2,000**	**<200**	**---**	**---**	**---**	**372.40**	**32.30**	**340.10**

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
4212 FIRST STREET, PLEASANTON, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)
MW-3	02/03/2000	---	---	---	---	---	---	---	---	---	---	---	375.05	32.06	342.99
MW-3	02/07/2000	---	---	---	---	---	---	---	---	---	---	---	375.05	32.57	342.48
MW-3	02/10/2000	180	5.12	<0.500	<0.500	0.714	26.8	21.5 a	---	---	---	---	375.05	32.77	342.28
MW-3	05/17/2000	1,360	414	<5.00	<5.00	17.6	<25.0	---	---	---	---	---	375.05	31.00	344.05
MW-3	08/03/2000	<50.0	0.536	<0.500	<0.500	<0.500	22	---	---	---	---	---	375.05	31.03	344.02
MW-3	10/31/2000	<50.0	<0.500	<0.500	<0.500	<0.500	31.1	---	---	---	---	---	375.05	31.28	343.77
MW-3	03/01/2001	384	172	0.815	<0.500	8.0	5.16	---	---	---	---	---	375.05	31.21	343.84
MW-3	05/30/2001	<50	<0.50	<0.50	<0.50	<0.50	---	110	---	---	---	---	375.05	31.02	344.03
MW-3	08/02/2001	<50	<0.50	<0.50	<0.50	<0.50	---	93	---	---	---	---	375.05	30.94	344.11
MW-3	12/06/2001	110	<0.50	<0.50	<0.50	2.3	---	180	---	---	---	---	375.05	31.28	343.77
MW-3	02/05/2002	<50	0.89	0.60	<0.50	2.1	---	130	---	---	---	---	375.05	31.12	343.93
MW-3	06/17/2002	<50	<0.50	<0.50	<0.50	<0.50	---	72	---	---	---	---	375.05	31.21	343.84
MW-3	07/25/2002	<50	<0.50	<0.50	<0.50	<0.50	---	81	---	---	---	---	375.05	30.96	344.09
MW-3	11/14/2002	<50	<0.50	<0.50	<0.50	<0.50	---	60	---	---	---	---	375.05	31.44	343.61
MW-3	02/12/2003	<50	<0.50	<0.50	<0.50	<0.50	---	43	---	---	---	---	375.05	31.28	343.77
MW-3	05/14/2003	<50	<0.50	<0.50	<0.50	<1.0	---	24	---	---	---	---	375.05	31.20	343.85
MW-3	07/29/2003	<50	<0.50	<0.50	<0.50	<1.0	---	21	---	---	---	---	375.05	31.29	343.76
MW-3	11/19/2003	<50	<0.50	<0.50	<0.50	<1.0	---	8.2	---	---	---	---	375.05	31.86	343.19
MW-3	02/19/2004	81	0.67	4.4	1.8	8.6	---	13	---	---	---	---	375.05	31.66	343.39
MW-3	05/03/2004	<50	<0.50	<0.50	<0.50	<1.0	---	13	---	---	---	---	375.05	31.72	343.33
MW-3	08/24/2004	<50	<0.50	<0.50	<0.50	<1.0	---	10	---	---	---	---	375.05	32.09	342.96
MW-3	11/15/2004	<50	<0.50	<0.50	<0.50	<1.0	---	6.6	---	---	---	---	375.05	31.50	343.55
MW-3	02/02/2005	<50	<0.50	<0.50	<0.50	<1.0	---	3.1	---	---	---	---	375.05	31.28	343.77
MW-3	05/05/2005	<50	<0.50	<0.50	<0.50	<1.0	---	2.3	---	---	---	---	375.05	31.42	343.63
MW-3	08/05/2005	<50	<0.50	<0.50	<0.50	<1.0	---	2.4	---	---	---	---	375.05	31.35	343.70
MW-3	11/22/2005	<50	<0.500	<0.500	<0.500	<0.500	---	3.84	---	---	---	---	375.05	31.98	343.07
MW-3	02/07/2006	<50.0	<0.500	<0.500	<0.500	<0.500	---	<0.500	---	---	---	---	375.05	31.24	343.81
MW-3	05/16/2006	<50	<0.50	<0.50	<0.50	<1.0	---	4.5	---	---	---	---	375.05	31.37	343.68
MW-3	08/21/2006	<50.0	<0.500	<0.500	<0.500	<0.500	---	4.04	---	---	---	---	375.05	31.95	343.10
MW-3	11/14/2006	<50	<0.50	<0.50	<0.50	<0.50	---	3.8	<20	<0.50	<0.50	<0.50	375.05	32.24	342.81

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
4212 FIRST STREET, PLEASANTON, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)
MW-3	02/01/2007	<50	<0.50	<0.50	<0.50	<1.0	---	2.8	---	---	---	---	375.05	32.17	342.88
MW-3	06/01/2007	<50 j	<0.50	<1.0	<1.0	<1.0	---	3.1	---	---	---	---	375.05	31.86	343.19
MW-3	08/22/2007	<50 j	<0.50	<1.0	<1.0	<1.0	---	4.6	<10	---	---	---	375.05	32.18	342.87
MW-3	11/26/2007	<50 j	<0.50	<1.0	<1.0	<1.0	---	3.5	<10	<2.0	<2.0	<2.0	375.05	32.69	342.36
MW-3	02/19/2008	<50 j	<0.50	1.2	<1.0	<1.0	---	2.6	<10	---	---	---	375.05	30.94	344.11
MW-3	05/23/2008	<50	<0.50	<1.0	<1.0	<1.0	---	3.6	<10	---	---	---	375.05	31.45	343.60
MW-3	08/07/2008	<50	<0.50	<1.0	<1.0	<1.0	---	3.0	<10	---	---	---	375.05	31.40	343.65
MW-3	12/03/2008	<50	<0.50	<1.0	<1.0	<1.0	---	2.1	<10	---	---	---	375.05	32.12	342.93
MW-3	02/05/2009	<50	<0.50	<1.0	<1.0	<1.0	---	1.1	<10	---	---	---	375.05	32.74	342.31
MW-3	05/07/2009	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	---	---	---	375.05	31.69	343.36
MW-3	08/20/2009	<50	<0.50	<1.0	<1.0	<1.0	---	2.0	<10	---	---	---	375.05	32.42	342.63
MW-3	11/09/2009	<50	<0.50	<1.0	<1.0	<1.0	---	1.7	<10	<2.0	<2.0	<2.0	375.05	32.54	342.51
MW-3	02/11/2010	<50	<0.50	<1.0	<1.0	<1.0	---	2.1	<10	---	---	---	375.05	31.81	343.24
MW-3	05/13/2010	<50	<0.50	<1.0	<1.0	<1.0	---	1.7	<10	---	---	---	375.05	31.25	343.80
MW-3	08/05/2010	<50	<0.50	<1.0	<1.0	<1.0	---	1.2	<10	---	---	---	375.05	32.00	343.05
MW-3	10/30/2010	<50	<0.50	<1.0	<1.0	<1.0	---	1.4	<10	<2.0	<2.0	<2.0	375.05	32.18	342.87
MW-3	02/09/2011	<50	<0.50	<0.50	<0.50	<1.0	---	1.7	<10	---	---	---	375.05	31.80	343.25
MW-3	05/31/2011	<50	<0.50	<0.50	<0.50	<1.0	---	1.9	<10	---	---	---	375.05	31.60	343.45
MW-3	**07/27/2011**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**1.8**	**<10**	**---**	**---**	**---**	**375.05**	**32.00**	**343.05**
MW-4	09/21/2006	---	---	---	---	---	---	---	---	---	---	---	372.78	31.58	341.20
MW-4	09/28/2006	11,000	<250	<250	<250	<250	---	13,000	<10,000	---	---	---	372.78	31.57	341.21
MW-4	11/14/2006	30,000	<250	<250	<250	<250 a	---	14,000	<10,000	<250	<250	<250	372.78	32.11	340.67
MW-4	02/01/2007	6,300	50	<5.0	19	120	---	14,000	---	---	---	---	372.78	33.23	339.55
MW-4	06/01/2007	8,200 j	52	<25	26	150	---	11,000	---	---	---	---	372.78	31.57	341.21
MW-4	08/22/2007	---	---	---	---	---	---	---	---	---	---	---	372.78	33.40	339.38
MW-4	11/26/2007	12,000 j	71	<100	<100	<100	---	20,000	<1,000	<200	<200	<200	372.78	34.74	338.04
MW-4	02/19/2008	13,000 j	<100	<200	<200	<200	---	18,000	2,900	---	---	---	372.78	29.70	343.08
MW-4	05/23/2008	21,000	<100	<200	<200	<200	---	16,000	<2,000	---	---	---	372.78	31.67	341.11
MW-4	08/07/2008	27,000	<100	<200	<200	<200	---	21,000	<2,000	---	---	---	372.78	31.90	340.88
MW-4	12/03/2008	20,000	19	<25	<25	29	---	21,000	2,500	---	---	---	372.78	34.32	338.46

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
4212 FIRST STREET, PLEASANTON, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)
MW-4	02/05/2009	15,000	200	<200	<200	<200	---	13,000	<2,000	---	---	---	372.78	34.58	338.20
MW-4	05/07/2009	18,000	<100	<200	<200	<200	---	17,000	<2,000	---	---	---	372.78	31.34	341.44
MW-4	08/20/2009	15,000	<50	<100	<100	<100	---	13,000	1,900	---	---	---	372.78	33.56	339.22
MW-4	11/09/2009	13,000	<50	<100	<100	<100	---	11,000	<1000	<200	<200	<200	372.78	33.57	339.21
MW-4	02/11/2010	11,000	95	<100	<100	110	---	7,500	3,200	---	---	---	372.78	31.21	341.57
MW-4	05/13/2010	8,800	48	<50	57	96	---	7,800	2,900	---	---	---	372.78	30.19	342.59
MW-4	08/05/2010	4,000	<12	<25	<25	<25	---	3,600	600	---	---	---	372.78	32.22	340.56
MW-4	10/30/2010	6,800	<12	<25	<25	<25	---	8,200	1,400	<50	<50	<50	372.78	33.95	338.83
MW-4	02/09/2011	<5,000	<50	<50	<50	<100	---	5,800	2,700	---	---	---	372.78	31.56	341.22
MW-4	05/31/2011	<5,000	<50	<50	<50	<100	---	5,600	1,200	---	---	---	372.78	30.78	342.00
MW-4	**07/27/2011**	**4,500 m**	**<10**	**<10**	**18**	**21**	**---**	**5,200**	**2,100**	**---**	**---**	**---**	**372.78**	**31.64**	**341.14**
TB-1	02/12/2003	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---
TB-1	02/28/2003	---	---	---	---	---	---	---	---	---	---	---	---	12.54	---
TB-1	05/14/2003	<50	<0.50	<0.50	<0.50	<1.0	---	<5.0	---	---	---	---	---	12.31	---
TB-2	02/12/2003	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---
TB-2	02/28/2003	---	---	---	---	---	---	---	---	---	---	---	---	12.56	---
TB-2	05/14/2003	Insufficient water		---	---	---	---	---	---	---	---	---	---	12.54	---
TB-3	02/12/2003	Well dry	---	---	---	---	---	---	---	---	---	---	---	---	---
TB-3	02/28/2003	Well dry	---	---	---	---	---	---	---	---	---	---	---	---	---
TB-3	05/14/2003	Well dry	---	---	---	---	---	---	---	---	---	---	---	---	---
TB-4	02/12/2003	Well dry	---	---	---	---	---	---	---	---	---	---	---	---	---
TB-4	02/28/2003	Well dry	---	---	---	---	---	---	---	---	---	---	---	---	---
TB-4	05/14/2003	Well dry	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:
TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B; prior to 5/30/2001, analyzed by EPA Method 8015 unless otherwise noted.
BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B; prior to 5/30/2001, analyzed by EPA Method 8020.

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
4212 FIRST STREET, PLEASANTON, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE 8020 (µg/L)*	*MTBE 8260 (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*

MTBE = Methyl tertiary-butyl ether analyzed as noted
TBA = Tertiary-butyl alcohol analyzed by EPA Method 8260B
DIPE = Di-isopropyl ether analyzed by EPA Method 8260B
ETBE = Ethyl tertiary-butyl ether analyzed by EPA Method 8260B
TAME = Tertiary-amyl methyl ether analyzed by EPA Method 8260B
TOC = Top of casing elevation, in feet relative to mean sea level
GW = Groundwater
µg/L = Micrograms per liter
ft = Feet
MSL = Mean sea level
<x = Not detected at reporting limit x
--- = Not analyzed or available

a = Sample was analyzed outside the EPA recommended holding time.
b = Concentration is an estimate value above the linear quantitation range.
f = The concentration reported reflect(s) individual or discrete unidentified peaks not matching a typical fuel pattern.
j = Analyzed by EPA Method 8015B (M).
k = 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.
l = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
m = Hydrocarbon result partly due to individual peak(s) in quantitation range.

Well MW-1 surveyed on May 4, 1999 by Virgil Chavez Land Surveying
Site wells surveyed on March 19, 2000 by Virgil Chavez Land Surveying
Site wells surveyed on January 15, 2002 by Virgil Chavez Land Surveying
September 21, 2006 survey data for wells MW-1B and MW-4 provided by Delta Environmental Consultants, Inc.

APPENDIX A

BLAINE TECH SERVICES, INC. - FIELD NOTES

WELL GAUGING DATA

Project # 110727-PH3 Date 7/27/11 Client Shell

Site 4212 First St., Pleasanton

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1	1329	2					33.60	56.20		
MW-1B	1358	4					82.90	107.92		
MW-2	1324	4					32.30	45.88		
MW-3	1312	4					32.00	34.69		
MW-4	1333	4					31.64	46.84	↓	

SHELL WELL MONITORING DATA SHEET

BTS #: 10722-RM3	Site: 9895840
Sampler: RM	Date: 7/27/11
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 56.20	Depth to Water (DTW): 33.60
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: ~~60.32~~ (M) 38.12	

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: _____

3.6 (Gals.) X	3	=	10.8 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
1410	72.1	6.5	1661	128	3.7	
1415	72.4	6.5	1770	664	7.5	
1420	70.8	6.5	1740	687	11.0	Not at 80%

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

Sampling Date: 7/27/11 Sampling Time: 1610 Depth to Water: 37.41

Sample I.D.: MW-1 Laboratory: (Test America) Other_____

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

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 #: 110727-PH3	Site: 9899584
Sampler: PH	Date: 7/27/11
Well I.D.: MW-13	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 107.92	Depth to Water (DTW): 82.90
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]: 87.90	

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: _____

16.2 (Gals.) X	3	=	48.8 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
1355	70.3	6.76	1001	42	16.5	
1358	69.4	6.7	998	21	32.5	
1402	69.5	6.8	998	17	49.0	

Did well dewater? Yes (No) Gallons actually evacuated: 49

Sampling Date: 7/27/11 Sampling Time: 1405 Depth to Water: 83.40

Sample I.D.: MW-13 Laboratory: (Test America) Other_____

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

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 #: 110727-PH3	Site: 9899584
Sampler: PH	Date: 7/27/11
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 45.88	Depth to Water (DTW): 32.30
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]: 35.01	

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: ____

8.5 (Gals.) X	3	=	26.5 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
1432	72.3	7.0	931	33	9	
	———	Dewatered @ 14 gallons			———	
1635	77.2	6.8	899	15	—	

Did well dewater? (Yes) No Gallons actually evacuated: 14

Sampling Date: 7/27/11 Sampling Time: 1635 Depth to Water: 40.94 (~2 hours)

Sample I.D.: MW-2 Laboratory: (Test America) Other____

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

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 #: 110727-PH3	Site: 98995840
Sampler: PH	Date: 7/27/11
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 34.64	Depth to Water (DTW): 32.00
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 32.52	

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: _____

1.7 (Gals.) X	3	=	5.1 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1342	~~73.4~~ 74	6.8	742	40	2	
	—	Dewatered @ 2 gallons			—	
1545	75.9	7.10	752	26	—	

Did well dewater? (Yes) No Gallons actually evacuated: 2

Sampling Date: 7/27/11 Sampling Time: 1545 Depth to Water: 32.88 (>2 hrs)

Sample I.D.: MW-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): TBA

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 #: 110727-DH3	Site: 98995840
Sampler: PH	Date: 7/27/11
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 46.84	Depth to Water (DTW): 31.64
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]: 34.68	

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: _____

9.8 (Gals.) X	3	= 29.6 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1450	72.3	6.9	847	310	10	
		—	Dewatered @ 15 gallons		—	
1620	75.3	7.0	886	153	—	

Did well dewater? (Yes) No Gallons actually evacuated: 15

Sampling Date: 7/27/11 Sampling Time: 1620 Depth to Water: 32.40

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

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

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 4212 First St, Pleasanton Date 7/27/11

Job Number 110727-PH3 Technician PH Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Well Box Meets Compliance Requirements *See Below	Water Bailed From Wellbox	Cap Replaced	Lock Replaced	Well Not Inspected (explain in notes)	New Deficiency Identified	Previously Identified Deficiency Persists	Notes
MW-1	X	X							
MW-1B	X	X							
MW-2	X	X							
MW-3	X	X							
MW-4	X	X							

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

Notes:

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: 4212 First St., Pleasanton, CA

Sampled: 07/27/11
Received: 07/30/11
Issued: 08/10/11 14:52

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
IUG2928-01	MW-1	Water
IUG2928-02	MW-1B	Water
IUG2928-03	MW-2	Water
IUG2928-04	MW-3	Water
IUG2928-05	MW-4	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: 4212 First St., Pleasanton, CA

Report Number: IUG2928

Sampled: 07/27/11
Received: 07/30/11

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: IUG2928-01 (MW-1 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H0563	1000	**3900**	20	8/4/2011	8/5/2011	QP1
Surrogate: Dibromofluoromethane (80-120%)				*110 %*				
Surrogate: Toluene-d8 (80-120%)				*108 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*93 %*				
Sample ID: IUG2928-02 (MW-1B - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H0563	50	ND	1	8/4/2011	8/5/2011	
Surrogate: Dibromofluoromethane (80-120%)				*112 %*				
Surrogate: Toluene-d8 (80-120%)				*108 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*95 %*				
Sample ID: IUG2928-03 (MW-2 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H0724	1000	**1600**	20	8/5/2011	8/5/2011	QP1
Surrogate: Dibromofluoromethane (80-120%)				*91 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*100 %*				
Sample ID: IUG2928-04 (MW-3 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H0724	50	ND	1	8/5/2011	8/5/2011	
Surrogate: Dibromofluoromethane (80-120%)				*98 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*103 %*				
Sample ID: IUG2928-05 (MW-4 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H0724	1000	**4500**	20	8/5/2011	8/5/2011	QP1
Surrogate: Dibromofluoromethane (80-120%)				*93 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*102 %*				

TestAmerica Irvine

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Project Manager

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

Project ID: 4212 First St., Pleasanton, CA

Report Number: IUG2928

Sampled: 07/27/11
Received: 07/30/11

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: IUG2928-01 (MW-1 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H0563	10	**28**	20	8/4/2011	8/5/2011	
Ethylbenzene	EPA 8260B	11H0563	10	ND	20	8/4/2011	8/5/2011	
Toluene	EPA 8260B	11H0563	10	ND	20	8/4/2011	8/5/2011	
Xylenes, Total	EPA 8260B	11H0563	20	ND	20	8/4/2011	8/5/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H0563	20	**4100**	20	8/4/2011	8/5/2011	
tert-Butanol (TBA)	EPA 8260B	11H0563	200	**1400**	20	8/4/2011	8/5/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*93 %*				
Surrogate: Dibromofluoromethane (80-120%)				*110 %*				
Surrogate: Toluene-d8 (80-120%)				*108 %*				
Sample ID: IUG2928-02 (MW-1B - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H0563	0.50	ND	1	8/4/2011	8/5/2011	
Ethylbenzene	EPA 8260B	11H0563	0.50	ND	1	8/4/2011	8/5/2011	
Toluene	EPA 8260B	11H0563	0.50	ND	1	8/4/2011	8/5/2011	
Xylenes, Total	EPA 8260B	11H0563	1.0	ND	1	8/4/2011	8/5/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H0563	1.0	ND	1	8/4/2011	8/5/2011	
tert-Butanol (TBA)	EPA 8260B	11H0563	10	ND	1	8/4/2011	8/5/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*95 %*				
Surrogate: Dibromofluoromethane (80-120%)				*112 %*				
Surrogate: Toluene-d8 (80-120%)				*108 %*				
Sample ID: IUG2928-03 (MW-2 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H0724	10	ND	20	8/5/2011	8/5/2011	
Ethylbenzene	EPA 8260B	11H0724	10	ND	20	8/5/2011	8/5/2011	
Toluene	EPA 8260B	11H0724	10	ND	20	8/5/2011	8/5/2011	
Xylenes, Total	EPA 8260B	11H0724	20	ND	20	8/5/2011	8/5/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H0724	20	**2000**	20	8/5/2011	8/5/2011	
tert-Butanol (TBA)	EPA 8260B	11H0724	200	ND	20	8/5/2011	8/5/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*100 %*				
Surrogate: Dibromofluoromethane (80-120%)				*91 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				

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San Jose, CA 95112-1105
Attention: Lorin King

Project ID: 4212 First St., Pleasanton, CA

Report Number: IUG2928

Sampled: 07/27/11
Received: 07/30/11

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: IUG2928-04 (MW-3 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H0724	0.50	ND	1	8/5/2011	8/5/2011	
Ethylbenzene	EPA 8260B	11H0724	0.50	ND	1	8/5/2011	8/5/2011	
Toluene	EPA 8260B	11H0724	0.50	ND	1	8/5/2011	8/5/2011	
Xylenes, Total	EPA 8260B	11H0724	1.0	ND	1	8/5/2011	8/5/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H0724	1.0	**1.8**	1	8/5/2011	8/5/2011	
tert-Butanol (TBA)	EPA 8260B	11H0724	10	ND	1	8/5/2011	8/5/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*103 %*				
Surrogate: Dibromofluoromethane (80-120%)				*98 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				
Sample ID: IUG2928-05 (MW-4 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H0724	10	ND	20	8/5/2011	8/5/2011	
Ethylbenzene	EPA 8260B	11H0724	10	**18**	20	8/5/2011	8/5/2011	
Toluene	EPA 8260B	11H0724	10	ND	20	8/5/2011	8/5/2011	
Xylenes, Total	EPA 8260B	11H0724	20	**21**	20	8/5/2011	8/5/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H0724	20	**5200**	20	8/5/2011	8/5/2011	
tert-Butanol (TBA)	EPA 8260B	11H0724	200	**2100**	20	8/5/2011	8/5/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*102 %*				
Surrogate: Dibromofluoromethane (80-120%)				*93 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				

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Attention: Lorin King

Project ID: 4212 First St., Pleasanton, CA
Report Number: IUG2928

Sampled: 07/27/11
Received: 07/30/11

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: 11H0563 Extracted: 08/04/11										
Blank Analyzed: 08/04/2011 (11H0563-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	50	ug/l							
Surrogate: Dibromofluoromethane	*24.2*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Toluene-d8	*26.2*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.7*		*ug/l*	*25.0*		*95*	*80-120*			
LCS Analyzed: 08/04/2011 (11H0563-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	504	50	ug/l	500		101	55-130			
Surrogate: Dibromofluoromethane	*27.2*		*ug/l*	*25.0*		*109*	*80-120*			
Surrogate: Toluene-d8	*26.7*		*ug/l*	*25.0*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.1*		*ug/l*	*25.0*		*96*	*80-120*			
Matrix Spike Analyzed: 08/04/2011 (11H0563-MS1)					**Source: IUG2888-12**					
Volatile Fuel Hydrocarbons (C4-C12)	3040	50	ug/l	1720	1200	107	50-145			
Surrogate: Dibromofluoromethane	*28.1*		*ug/l*	*25.0*		*113*	*80-120*			
Surrogate: Toluene-d8	*27.1*		*ug/l*	*25.0*		*108*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			
Matrix Spike Dup Analyzed: 08/04/2011 (11H0563-MSD1)					**Source: IUG2888-12**					
Volatile Fuel Hydrocarbons (C4-C12)	2790	50	ug/l	1720	1200	92	50-145	9	20	
Surrogate: Dibromofluoromethane	*27.8*		*ug/l*	*25.0*		*111*	*80-120*			
Surrogate: Toluene-d8	*26.5*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.7*		*ug/l*	*25.0*		*99*	*80-120*			
Batch: 11H0724 Extracted: 08/05/11										
Blank Analyzed: 08/05/2011 (11H0724-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	50	ug/l							
Surrogate: Dibromofluoromethane	*22.9*		*ug/l*	*25.0*		*92*	*80-120*			
Surrogate: Toluene-d8	*26.2*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.5*		*ug/l*	*25.0*		*102*	*80-120*			

TestAmerica Irvine

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

Project ID: 4212 First St., Pleasanton, CA
Report Number: IUG2928

Sampled: 07/27/11
Received: 07/30/11

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: 11H0724 Extracted: 08/05/11										
LCS Analyzed: 08/05/2011 (11H0724-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	471	50	ug/l	500		94	55-130			
Surrogate: Dibromofluoromethane	*24.1*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Toluene-d8	*26.6*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.0*		*ug/l*	*25.0*		*104*	*80-120*			
Matrix Spike Analyzed: 08/05/2011 (11H0724-MS1)					**Source: IUG2888-07**					
Volatile Fuel Hydrocarbons (C4-C12)	1500	50	ug/l	1720	ND	87	50-145			
Surrogate: Dibromofluoromethane	*23.8*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Toluene-d8	*26.4*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.8*		*ug/l*	*25.0*		*103*	*80-120*			
Matrix Spike Dup Analyzed: 08/05/2011 (11H0724-MSD1)					**Source: IUG2888-07**					
Volatile Fuel Hydrocarbons (C4-C12)	1470	50	ug/l	1720	ND	85	50-145	2	20	
Surrogate: Dibromofluoromethane	*24.0*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: Toluene-d8	*26.2*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.5*		*ug/l*	*25.0*		*102*	*80-120*			

TestAmerica Irvine

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Project Manager

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

Project ID: 4212 First St., Pleasanton, CA
Report Number: IUG2928

Sampled: 07/27/11
Received: 07/30/11

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: 11H0563 Extracted: 08/04/11										
Blank Analyzed: 08/04/2011 (11H0563-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							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
tert-Butanol (TBA)	ND	10	ug/l							
Surrogate: 4-Bromofluorobenzene	*23.7*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Dibromofluoromethane	*24.2*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Toluene-d8	*26.2*		*ug/l*	*25.0*		*105*	*80-120*			
LCS Analyzed: 08/04/2011 (11H0563-BS1)										
Benzene	25.1	0.50	ug/l	25.0		101	70-120			
Ethylbenzene	27.4	0.50	ug/l	25.0		110	75-125			
Toluene	26.4	0.50	ug/l	25.0		105	70-120			
m,p-Xylenes	54.6	1.0	ug/l	50.0		109	75-125			
o-Xylene	27.5	0.50	ug/l	25.0		110	75-125			
Xylenes, Total	82.1	1.0	ug/l	75.0		109	70-125			
Methyl-tert-butyl Ether (MTBE)	27.6	1.0	ug/l	25.0		111	60-135			
tert-Butanol (TBA)	137	10	ug/l	125		110	70-135			
Surrogate: 4-Bromofluorobenzene	*25.2*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Dibromofluoromethane	*28.7*		*ug/l*	*25.0*		*115*	*80-120*			
Surrogate: Toluene-d8	*26.8*		*ug/l*	*25.0*		*107*	*80-120*			
Matrix Spike Analyzed: 08/04/2011 (11H0563-MS1)					**Source: IUG2888-12**					
Benzene	25.9	0.50	ug/l	25.0	ND	104	65-125			
Ethylbenzene	27.6	0.50	ug/l	25.0	ND	111	65-130			
Toluene	27.6	0.50	ug/l	25.0	ND	110	70-125			
m,p-Xylenes	55.5	1.0	ug/l	50.0	ND	111	65-130			
o-Xylene	27.9	0.50	ug/l	25.0	ND	111	65-125			
Xylenes, Total	83.3	1.0	ug/l	75.0	ND	111	60-130			
Methyl-tert-butyl Ether (MTBE)	28.4	1.0	ug/l	25.0	ND	114	55-145			
tert-Butanol (TBA)	149	10	ug/l	125	ND	119	65-140			
Surrogate: 4-Bromofluorobenzene	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: Dibromofluoromethane	*28.1*		*ug/l*	*25.0*		*113*	*80-120*			
Surrogate: Toluene-d8	*27.1*		*ug/l*	*25.0*		*108*	*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: 4212 First St., Pleasanton, CA
Report Number: IUG2928

Sampled: 07/27/11
Received: 07/30/11

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: 11H0563 Extracted: 08/04/11										
Matrix Spike Dup Analyzed: 08/04/2011 (11H0563-MSD1)					**Source: IUG2888-12**					
Benzene	24.3	0.50	ug/l	25.0	ND	97	65-125	6	20	
Ethylbenzene	26.1	0.50	ug/l	25.0	ND	104	65-130	6	20	
Toluene	26.1	0.50	ug/l	25.0	ND	104	70-125	6	20	
m,p-Xylenes	51.9	1.0	ug/l	50.0	ND	104	65-130	7	25	
o-Xylene	25.9	0.50	ug/l	25.0	ND	104	65-125	7	20	
Xylenes, Total	77.8	1.0	ug/l	75.0	ND	104	60-130	7	20	
Methyl-tert-butyl Ether (MTBE)	27.1	1.0	ug/l	25.0	ND	108	55-145	5	25	
tert-Butanol (TBA)	140	10	ug/l	125	ND	112	65-140	6	25	
Surrogate: 4-Bromofluorobenzene	*24.7*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: Dibromofluoromethane	*27.8*		*ug/l*	*25.0*		*111*	*80-120*			
Surrogate: Toluene-d8	*26.5*		*ug/l*	*25.0*		*106*	*80-120*			
Batch: 11H0724 Extracted: 08/05/11										
Blank Analyzed: 08/05/2011 (11H0724-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							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
tert-Butanol (TBA)	ND	10	ug/l							
Surrogate: 4-Bromofluorobenzene	*25.5*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: Dibromofluoromethane	*22.9*		*ug/l*	*25.0*		*92*	*80-120*			
Surrogate: Toluene-d8	*26.2*		*ug/l*	*25.0*		*105*	*80-120*			

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Report Number: IUG2928

Sampled: 07/27/11
Received: 07/30/11

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: 11H0724 Extracted: 08/05/11										
LCS Analyzed: 08/05/2011 (11H0724-BS1)										
Benzene	26.1	0.50	ug/l	25.0		104	70-120			
Ethylbenzene	28.1	0.50	ug/l	25.0		112	75-125			
Toluene	27.6	0.50	ug/l	25.0		111	70-120			
m,p-Xylenes	52.2	1.0	ug/l	50.0		104	75-125			
o-Xylene	27.3	0.50	ug/l	25.0		109	75-125			
Xylenes, Total	79.5	1.0	ug/l	75.0		106	70-125			
Methyl-tert-butyl Ether (MTBE)	23.4	1.0	ug/l	25.0		93	60-135			
tert-Butanol (TBA)	140	10	ug/l	125		112	70-135			
Surrogate: 4-Bromofluorobenzene	*25.5*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: Dibromofluoromethane	*23.6*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: Toluene-d8	*26.3*		*ug/l*	*25.0*		*105*	*80-120*			
Matrix Spike Analyzed: 08/05/2011 (11H0724-MS1)					**Source: IUG2888-07**					
Benzene	26.4	0.50	ug/l	25.0	ND	106	65-125			
Ethylbenzene	27.6	0.50	ug/l	25.0	ND	111	65-130			
Toluene	27.9	0.50	ug/l	25.0	ND	111	70-125			
m,p-Xylenes	50.8	1.0	ug/l	50.0	ND	102	65-130			
o-Xylene	26.8	0.50	ug/l	25.0	ND	107	65-125			
Xylenes, Total	77.6	1.0	ug/l	75.0	ND	103	60-130			
Methyl-tert-butyl Ether (MTBE)	24.5	1.0	ug/l	25.0	ND	98	55-145			
tert-Butanol (TBA)	142	10	ug/l	125	ND	113	65-140			
Surrogate: 4-Bromofluorobenzene	*25.8*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: Dibromofluoromethane	*23.8*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Toluene-d8	*26.4*		*ug/l*	*25.0*		*106*	*80-120*			
Matrix Spike Dup Analyzed: 08/05/2011 (11H0724-MSD1)					**Source: IUG2888-07**					
Benzene	25.4	0.50	ug/l	25.0	ND	101	65-125	4	20	
Ethylbenzene	26.9	0.50	ug/l	25.0	ND	108	65-130	3	20	
Toluene	27.0	0.50	ug/l	25.0	ND	108	70-125	3	20	
m,p-Xylenes	49.2	1.0	ug/l	50.0	ND	98	65-130	3	25	
o-Xylene	26.0	0.50	ug/l	25.0	ND	104	65-125	3	20	
Xylenes, Total	75.2	1.0	ug/l	75.0	ND	100	60-130	3	20	
Methyl-tert-butyl Ether (MTBE)	24.4	1.0	ug/l	25.0	ND	97	55-145	0.5	25	
tert-Butanol (TBA)	135	10	ug/l	125	ND	108	65-140	5	25	
Surrogate: 4-Bromofluorobenzene	*25.5*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: Dibromofluoromethane	*24.0*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: Toluene-d8	*26.2*		*ug/l*	*25.0*		*105*	*80-120*			

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Attention: Lorin King

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DATA QUALIFIERS AND DEFINITIONS

QP1 Hydrocarbon result partly due to individual peak(s) in quantitation range.

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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Sampled: 07/27/11
Received: 07/30/11

Certification Summary

TestAmerica Irvine

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

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

TestAmerica Irvine

Philip Sanelle
Project Manager

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)

- ☐ CALSCIENCE ( )
- ☐ SPL Houston ( )
- ☐ XENCO ( )
- ☑ TEST AMERICA (IRVINE)
- ☐ OTHER ( )

Please Check Appropriate Box:

- ☐ ENV. SERVICES
- ☐ MOTIVA RETAIL
- ☐ SHELL RETAIL
- ☐ MOTIVA SD&CM
- ☑ CONSULTANT
- ☐ LUBES
- ☐ SHELL PIPELINE
- ☐ OTHER

Print Bill To Contact Name: 135782 Peter Schaefer

INCIDENT # (ENV SERVICES): 9 8 9 9 5 8 4 0

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 7/27/11

PAGE: 1 of 1

PO #: 4 0 - 4 0 3 4 9 7 3

SAP #:

SAMPLING COMPANY: Blaine Tech Services

LOG CODE: BTSS

SITE ADDRESS: Street and City: 4212 First St., Pleasanton

State: CA

GLOBAL ID NO.: T0600101259

ADDRESS: 1680 Rogers Avenue, San Jose, CA

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

PHONE NO.: 510-420-3343

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

CONSULTANT PROJECT NO.: 110727-PH3

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

SAMPLER NAME(S) (Print): Patrick Harris

LAB USE ONLY: IUG2470

TELEPHONE: (310) 885-4455 x 108

FAX: (310) 637-5802

E-MAIL: lking@blainetech.com

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES:

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

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

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

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

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

TEMPERATURE ON RECEIPT: 3-4c

REQUESTED ANALYSIS

LAB USE ONLY		PROJECT NUMBER	DATE (MMDDYY)	SAMPLER INITIALS	WELL ID	TIME	MATRIX	HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-GRO, Purgeable (8260B)	TPH-DRO, Extractable (8015M)	BTEX (8260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B)	BTEX + 5 OXYs (MTBE, TBA, DIPE, TAME, ETBE) 8260B	VOCs Full list (8260B)	Single Compound: ___ (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015B)	Container PID Readings or Laboratory Notes
	WG	110727-PH3	072711	PH	MW-1	1610	WG	X					3	X				X								
	WG	110727-PH3	072711	PH	MW-1B	1405	↓	X					↓	X				X								
	WG	110727-PH3	072711	PH	MW-2	1635	↓	X					↓	X				X								
	WG	110727-PH3	072711	PH	MW-3	1545	↓	X					↓	X				X								
	WG	110727-PH3	072711	PH	MW-4	1620	↓	X					↓	X				X								

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	7/27/11	1740
[signature]	[signature] (TASF)	7/29/11	1015
[signature]	Julie H. / TASF	07/29/11	1210

Julie H / TASF

07130111 7/29/11 - 1620

1200