CONESTOGA-ROVERS & ASSOCIATES

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

TRANSMITTAL

DATE: October 6, 2011

REFERENCE NO.: 201232

PROJECT NAME: 1801 Santa Rita Road, Pleasanton

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

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2:32 pm, Oct 10, 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)
Danielle Stefani, Livermore-Pleasanton Fire Department, 3560 Nevada Street, Pleasanton, CA 94566-6267
Cheryl Dizon, Zone 7 Water Agency, 100 North Canyons Parkway, Livermore, CA 94551

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
1801 Santa Rita Road
Pleasanton, California
SAP Code 135783
Incident No. 97615964
ACEH Case No. RO0002882

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
1801 SANTA RITA ROAD
PLEASANTON, CALIFORNIA

SAP CODE	135783
INCIDENT NO.	97615964
AGENCY NO.	RO0002882

Prepared by:
Conestoga-Rovers & Associates

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OCTOBER 6, 2011
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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	1801 Santa Rita Road, 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.	RO0002882
Shell SAP Code	135783
Shell Incident No.	97615964

Date of most recent agency correspondence was July 14, 2009.

2.0 SITE ACTIVITIES, FINDINGS, AND DISCUSSION

2.1 CURRENT QUARTER'S ACTIVITIES

Per CRA's June 16, 2011 telephone conversation with Alameda County Environmental Health, Blaine gauged and sampled all site wells during the third quarter of 2011.

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.

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Northeasterly

Hydraulic Gradient	Averages 0.002
Depth to Water	51.74 to 53.35 feet below top of well casing

2.3 PROPOSED ACTIVITIES

Blaine will revert to the established monitoring program for this site during the fourth quarter of 2011. The established monitoring program for this site calls for monitoring semiannually during the second and fourth quarters. CRA will issue groundwater monitoring reports semiannually following the sampling events.

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

Peter Schaefer, CHG, CEG

Aubrey K. Cool, PG

FIGURES

02/10/2011

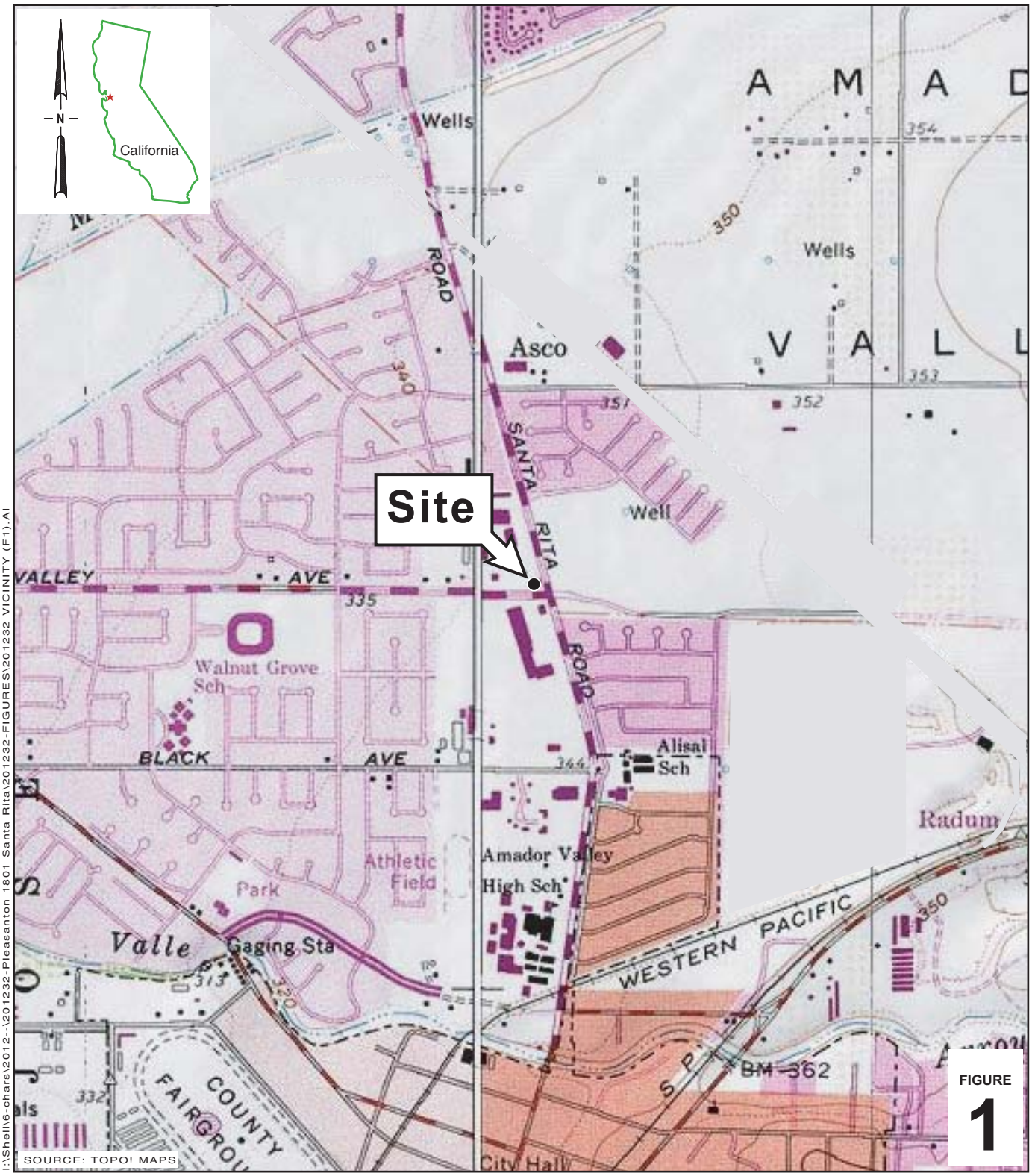

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FIGURE 1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

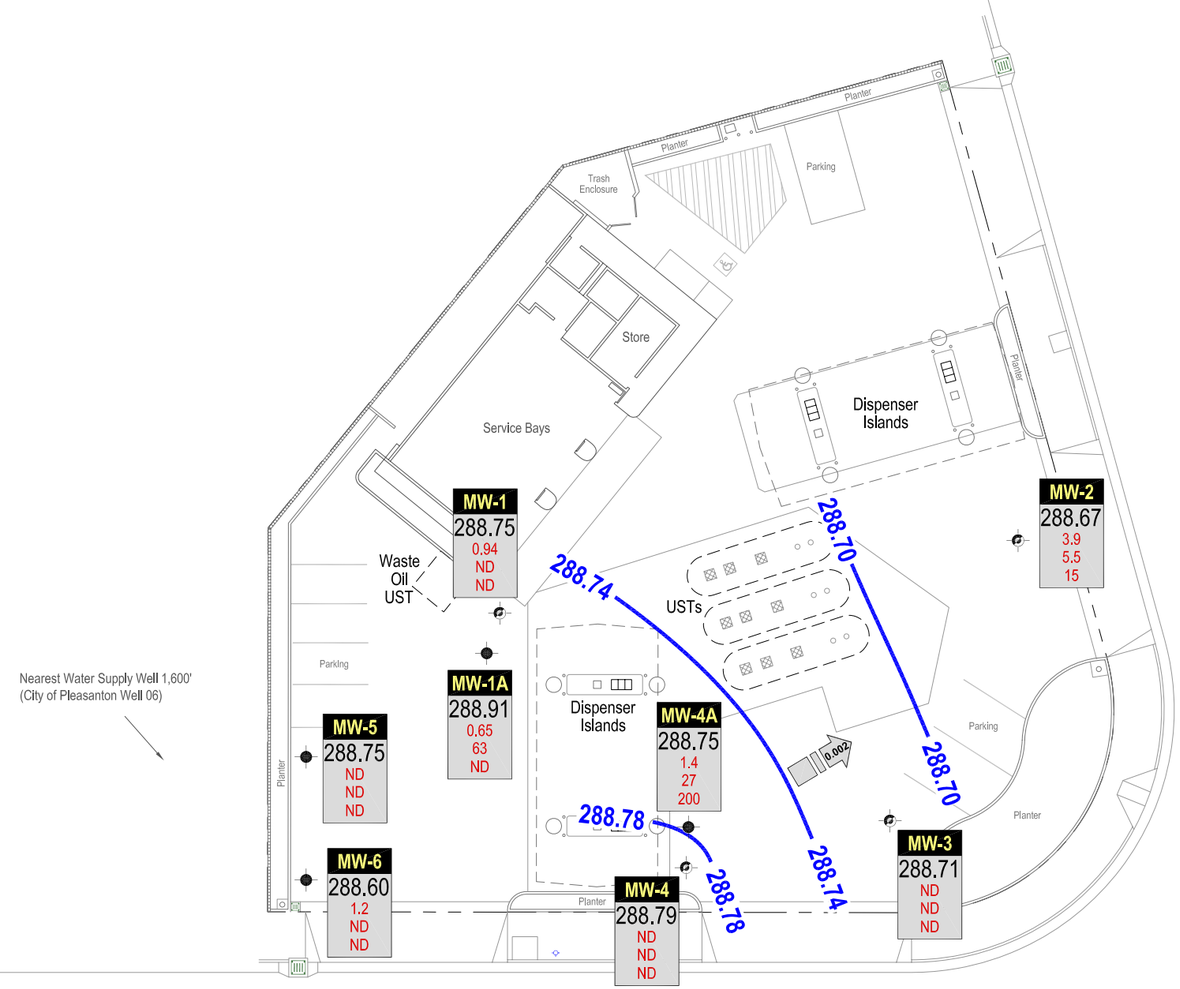
Shell-branded Service Station

1801 Santa Rita Road

Pleasanton, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map



EXPLANATION

- **MW-1** — Deeper monitoring well location (used in contouring)
- **MW-1A** — Shallower monitoring well location (not used in contouring)
- Groundwater flow direction and gradient (x.xx)
- XX.XX — Groundwater elevation contour, in feet above mean sea level (msl); dashed where inferred
- **Well** — Well designation
- ELEV — Groundwater elevation, in feet above msl
- Benzene, MTBE, TBA — Benzene, MTBE, and TBA concentrations are in micrograms per liter

Notes:
ND = Not detected
- Deeper zone wells used in contouring

Figure 2

Groundwater Contour and Chemical Concentration Map
July 7-8, 2011
Shell-branded Service Station
1801 Santa Rita Road
Pleasanton, California

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TABLE

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1801 SANTA RITA ROAD, PLEASANTON, CALIFORNIA

Well ID	Date	Total O&G (mg/L)	TPHd (µg/L)	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)	TDS (mg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)
MW-1	12/12/2002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	85.83	---
MW-1	12/20/2002	---	<50 c	<50	<0.50	<0.50	<0.50	0.71	<0.50	<50	<2.0	<2.0	<2.0	---	---	---	---	85.60	---
MW-1	03/31/2003	---	75 c	<50	<0.50	<0.50	<0.50	<1.0	<5.0	---	---	---	---	---	---	---	342.10	77.36	264.74
MW-1	06/26/2003	---	<50 c	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	---	---	---	342.10	72.48	269.62
MW-1	09/15/2003	---	<50 c	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	---	---	---	342.10	79.03	263.07
MW-1	12/31/2003	---	<50 c	<50	<0.50	0.99	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	---	---	---	342.10	70.57	271.53
MW-1	03/08/2004	---	<50 c	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	---	---	---	342.10	65.95	276.15
MW-1	06/16/2004	---	<50 c	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	---	---	---	342.10	66.50	275.60
MW-1	04/14/2005	---	<50 c	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	---	---	---	342.10	55.97	286.13
MW-1	10/20/2005	---	330 k/190 k	<50	0.86	<0.50	<0.50	1.2	0.87	<5.0	<2.0	<2.0	<2.0	---	---	---	342.10	56.51	285.59
MW-1	02/27/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	342.10	45.93	296.17
MW-1	04/19/2006	---	<47.2	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	---	---	---	342.10	43.15	298.95
MW-1	07/12/2006	---	53.1	<50.0	<0.500	<0.500	<0.500	<1.5	<0.500	<10.0	<0.500	<0.500	<0.500	---	---	---	342.10	44.80	297.30
MW-1	10/06/2006	---	76 a	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	---	---	---	342.10	44.65	297.45
MW-1	01/19/2007	---	71	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<0.50	---	---	---	342.10	39.39	302.71
MW-1	04/03/2007	---	150 a	51 i	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	342.10	36.12	305.98
MW-1	07/06/2007	---	<50	<50 i	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	342.10	44.15	297.95
MW-1	10/25/2007	---	<50	<50 i	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	342.10	40.39	301.71
MW-1	01/10/2008	---	<50	<50 i	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	342.10	36.57	305.53
MW-1	04/17/2008	---	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	342.10	36.51	305.59
MW-1	07/02/2008	---	84 a	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	342.10	41.90	300.20
MW-1	10/14/2008	---	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	666	342.10	48.71	293.39
MW-1	01/05/2009	---	300 a	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	342.10	45.40	296.70
MW-1	04/14/2009	---	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	342.10	42.92	299.18
MW-1	10/06/2009	---	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	---	---	---	---	---	---	342.10	60.70	281.40
MW-1	04/02/2010	---	<50	<50	<0.50	<1.0	<1.0	<1.0	1.1	<10	---	---	---	---	---	---	342.10	54.91	287.19
MW-1	10/13/2010	---	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	---	---	---	---	---	---	342.10	59.77	282.33
MW-1	04/26/2011	---	<47	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	---	---	---	---	---	---	342.10	51.34	290.76
MW-1	**07/07/2011**	**---**	**97 k**	**<50**	**0.94**	**<0.50**	**<0.50**	**<1.0**	**<1.0**	**<10**	**---**	**---**	**---**	**---**	**---**	**---**	**342.10**	**53.35**	**288.75**
MW-1A	02/23/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	341.72	46.95	294.77
MW-1A	02/27/2006	---	55.9	<50.0	4.04	<0.500	<0.500	2.02	3.32	12.5	<0.500	<0.500	<0.500	---	---	---	341.72	45.56	296.16
MW-1A	04/19/2006	---	119	<50.0	1.05	0.990	<0.500	<0.500	1.41	<10.0	<0.500	<0.500	<0.500	---	---	---	341.72	42.78	298.94
MW-1A	07/12/2006	<5.21	79.6	<50.0	<0.500	<0.500	<0.500	<1.5	9.82	19.1	<0.500	<0.500	<0.500	---	---	---	341.72	44.41	297.31
MW-1A	10/06/2006	3.7	90 a	<50.0	<1.00	<1.00	<1.00	<3.00	7.27	<10.0	<1.00	<1.00	<1.00	---	---	---	341.72	44.22	297.50
MW-1A	01/19/2007	<2.4	64	<50	<0.50	<0.50	<0.50	<0.50	15	24	<0.50	<0.50	<0.50	---	---	---	341.72	38.94	302.78

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1801 SANTA RITA ROAD, PLEASANTON, CALIFORNIA

Well ID	Date	Total O&G (mg/L)	TPHd (µg/L)	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)	TDS (mg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)
MW-1A	04/03/2007	2.3	210	<50 i	0.74	<1.0	<1.0	<1.0	14	<10	<2.0	<2.0	<2.0	---	---	---	341.72	35.67	306.05
MW-1A	07/06/2007	1.3	68	<50 i	0.76	<1.0	<1.0	<1.0	38	63	<2.0	<2.0	<2.0	---	---	---	341.72	43.72	298.00
MW-1A	10/25/2007	<1.0	<50	<50 i	<0.50	<1.0	<1.0	<1.0	30	29	<2.0	<2.0	<2.0	---	---	---	341.72	39.89	301.83
MW-1A	01/10/2008	<1.0	100 a	<50 i	<0.50	<1.0	<1.0	<1.0	23	<10	<2.0	<2.0	<2.0	---	---	---	341.72	36.06	305.66
MW-1A	04/17/2008	<1.0	<50	<50 i	<0.50	<1.0	<1.0	<1.0	38	24	<2.0	<2.0	<2.0	---	---	---	341.72	36.13	305.59
MW-1A	07/02/2008	3.0	200 a	110	<0.50	<1.0	<1.0	<1.0	65	75	<2.0	<2.0	<2.0	<0.50	<1.0	---	341.72	41.28	300.44
MW-1A	10/14/2008	2.6	<50	440	<0.50	<1.0	<1.0	<1.0	210	300	<2.0	<2.0	<2.0	1.5	<1.0	1,000	341.72	48.16	293.56
MW-1A	01/05/2009	1.5	<50	430	<0.50	<1.0	<1.0	<1.0	290	710	<2.0	<2.0	<2.0	2.3	<1.0	---	341.72	44.85	296.87
MW-1A	04/14/2009	2.4	<50	180	<1.0	<2.0	<2.0	<2.0	80	120	<4.0	<4.0	<4.0	<1.0	<2.0	---	341.72	42.40	299.32
MW-1A	10/06/2009	Insufficient water		---	---	---	---	---	---	---	---	---	---	---	---	---	341.72	57.10	284.62
MW-1A	04/02/2010	---	<50	94	<0.50	<1.0	<1.0	<1.0	65	<10	---	---	---	---	---	---	341.72	54.55	287.17
MW-1A	10/13/2010	Insufficient water		---	---	---	---	---	---	---	---	---	---	---	---	---	341.72	56.94	284.78
MW-1A	04/26/2011	<5.0	<47	<50	<0.50	<0.50	<0.50	<1.0	11	<10	---	---	---	---	---	---	341.72	50.98	290.74
MW-1A	**07/07/2011**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**341.72**	**52.81**	**288.91**
MW-1A	**07/08/2011**	**<5.0**	**<47**	**58 k**	**0.65**	**1.9**	**<0.50**	**2.2**	**63**	**<10**	**---**	**---**	**---**	**---**	**---**	**---**	**341.72**	**---**	**---**
MW-2	12/12/2002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	85.15	---
MW-2	12/20/2002	---	<50 c	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<2.0	<2.0	<2.0	---	---	---	---	85.00	---
MW-2	03/31/2003	---	63 c	<50	<0.50	0.71	<0.50	<1.0	<5.0	---	---	---	---	---	---	---	341.57	76.63	264.94
MW-2	06/26/2003	---	<50 c	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	---	---	---	341.57	71.94	269.63
MW-2	09/15/2003	---	<50 c	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	---	---	---	341.57	78.41	263.16
MW-2	12/31/2003	---	120 a,c	<50	<0.50	1.3	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	---	---	---	341.57	69.96	271.61
MW-2	03/08/2004	---	110 a,c	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	---	---	---	341.57	65.34	276.23
MW-2	06/16/2004	---	90 a,c	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	---	---	---	341.57	65.86	275.71
MW-2	04/14/2005	---	77 a,c	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	---	---	---	341.57	55.35	286.22
MW-2	10/20/2005	---	75 a/<50	<50	<0.50	<0.50	<0.50	<1.0	0.54	<5.0	<2.0	<2.0	<2.0	---	---	---	341.57	55.89	285.68
MW-2	02/27/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	341.57	45.30	296.27
MW-2	04/19/2006	---	80.1	<50.0	<0.500	<0.500	<0.500	<0.500	0.630	<10.0	<0.500	<0.500	<0.500	---	---	---	341.57	42.56	299.01
MW-2	07/12/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	341.57	44.20	297.37
MW-2	10/06/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	341.57	44.07	297.50
MW-2	01/19/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	341.57	38.79	302.78
MW-2	04/03/2007	---	190	<50 i	<0.50	<1.0	<1.0	<1.0	0.77 j	<10	<2.0	<2.0	<2.0	---	---	---	341.57	35.54	306.03
MW-2	07/06/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	341.57	43.54	298.03
MW-2	10/25/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	341.57	39.77	301.80
MW-2	01/10/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	341.57	35.95	305.62
MW-2	04/17/2008	---	57	<50	<0.50	<1.0	<1.0	<1.0	1.2	<10	<2.0	<2.0	<2.0	---	---	---	341.57	35.90	305.67

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1801 SANTA RITA ROAD, PLEASANTON, CALIFORNIA

Well ID	Date	Total O&G (mg/L)	TPHd (µg/L)	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)	TDS (mg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)
MW-2	07/02/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	341.57	41.20	300.37
MW-2	10/14/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	341.57	48.03	293.54
MW-2	01/05/2009	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	341.57	44.67	296.90
MW-2	04/14/2009	---	<50	<50	<0.50	<1.0	<1.0	<1.0	1.0	<10	<2.0	<2.0	<2.0	---	---	---	341.57	42.25	299.32
MW-2	10/06/2009	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	341.57	59.94	281.63
MW-2	04/02/2010	---	67	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	341.57	54.31	287.26
MW-2	10/13/2010	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	341.57	59.15	282.42
MW-2	04/26/2011	---	75 k	<50	<0.50	<0.50	<0.50	<1.0	1.0	<10	---	---	---	---	---	---	341.57	50.91	290.66
MW-2	**07/07/2011**	**---**	**230 k**	**<50**	**3.9**	**4.8**	**<0.50**	**3.6**	**5.5**	**15**	**---**	**---**	**---**	**---**	**---**	**---**	**341.57**	**52.90**	**288.67**
MW-3	12/12/2002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	85.49	---
MW-3	12/20/2002	---	<50 c	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<2.0	<2.0	<2.0	---	---	---	---	85.25	---
MW-3	03/31/2003	---	<50 c	<50	<0.50	<0.50	<0.50	<1.0	<5.0	---	---	---	---	---	---	---	341.65	76.81	264.84
MW-3	06/26/2003	---	80 a,c	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	---	---	---	341.65	72.05	269.60
MW-3	09/15/2003	---	<50 c	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	---	---	---	341.65	78.52	263.13
MW-3	12/31/2003	---	<50 c	<50	<0.50	1.2	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	---	---	---	341.65	70.15	271.50
MW-3	03/08/2004	---	<50 c	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	---	---	---	341.65	65.46	276.19
MW-3	06/16/2004	---	<50 c	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	---	---	---	341.65	65.87	275.78
MW-3	04/14/2005	---	<50 c	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	---	---	---	341.65	55.50	286.15
MW-3	10/20/2005	---	55 a/<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	---	---	---	341.65	55.97	285.68
MW-3	02/27/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	341.65	45.45	296.20
MW-3	04/19/2006	---	200	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	20.2	<0.500	<0.500	<0.500	---	---	---	341.65	42.67	298.98
MW-3	07/12/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	341.65	44.32	297.33
MW-3	10/06/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	341.65	44.19	297.46
MW-3	01/19/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	341.65	38.98	302.67
MW-3	04/03/2007	---	140	<50 i	0.21 j	<1.0	<1.0	<1.0	0.29 j	<10	<2.0	<2.0	<2.0	---	---	---	341.65	35.72	305.93
MW-3	07/06/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	341.65	43.69	297.96
MW-3	10/25/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	341.65	39.90	301.75
MW-3	01/10/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	341.65	36.12	305.53
MW-3	04/17/2008	---	95	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	341.65	36.02	305.63
MW-3	07/02/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	341.65	41.35	300.30
MW-3	10/14/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	341.65	48.24	293.41
MW-3	01/05/2009	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	341.65	44.79	296.86
MW-3	04/14/2009	---	73	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	341.65	42.35	299.30
MW-3	10/06/2009	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	341.65	60.08	281.57
MW-3	04/02/2010	---	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	---	---	---	---	---	---	341.65	54.47	287.18

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1801 SANTA RITA ROAD, PLEASANTON, CALIFORNIA

Well ID	Date	Total O&G (mg/L)	TPHd (µg/L)	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)	TDS (mg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)
MW-3	10/13/2010	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	341.65	59.25	282.40
MW-3	04/26/2011	---	91 k	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	---	---	---	---	---	---	341.65	51.23	290.42
MW-3	**07/07/2011**	**---**	**130 k**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<1.0**	**<10**	**---**	**---**	**---**	**---**	**---**	**---**	**341.65**	**52.94**	**288.71**
MW-4	12/12/2002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	84.36	---
MW-4	12/20/2002	---	69 c	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<2.0	<2.0	<2.0	---	---	---	---	84.15	---
MW-4	03/31/2003	---	70 c	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---	---	---	---	340.68	75.90	264.78
MW-4	06/26/2003	---	86 a,c	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	---	---	---	340.68	71.01	269.67
MW-4	09/15/2003	---	120 a,c	<50	1.0	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	---	---	---	340.68	77.57	263.11
MW-4	12/31/2003	---	<50 c	<50	<0.50	0.64	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	---	---	---	340.68	69.15	271.53
MW-4	03/08/2004	---	<50 c	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	---	---	---	340.68	64.51	276.17
MW-4	06/16/2004	---	<50 c	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	---	---	---	340.68	65.04	275.64
MW-4	04/14/2005	---	<50 c	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	---	---	---	340.68	54.53	286.15
MW-4	10/20/2005	---	<50 c	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	---	---	---	340.68	55.05	285.63
MW-4	02/27/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	340.68	44.49	296.19
MW-4	04/19/2006	---	265	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	---	---	---	340.68	41.72	298.96
MW-4	07/12/2006	---	652	<50.0	<0.500	<0.500	<0.500	<1.5	<0.500	<10.0	<0.500	<0.500	<0.500	---	---	---	340.68	43.34	297.34
MW-4	10/06/2006	---	320 a	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	---	---	---	340.68	43.23	297.45
MW-4	01/19/2007	---	79	<50	<0.50	<0.50	<0.50	0.88	<0.50	<20	<0.50	<0.50	<0.50	---	---	---	340.68	38.12	302.56
MW-4	04/03/2007	---	1,200 a	<50 i	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	340.68	34.55	306.13
MW-4	07/06/2007	---	<50	<50 i	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	340.68	42.75	297.93
MW-4	10/25/2007	---	1,400 a	<50 i	<0.50	0.30 j	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	340.68	38.92	301.76
MW-4	01/10/2008	---	<50	<50 i	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	340.68	35.22	305.46
MW-4	04/17/2008	---	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	340.68	35.03	305.65
MW-4	07/02/2008	---	59 a	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	340.68	40.53	300.15
MW-4	10/14/2008	---	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	686	340.68	47.43	293.25
MW-4	01/05/2009	---	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	340.68	44.00	296.68
MW-4	04/14/2009	---	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	340.68	41.43	299.25
MW-4	10/06/2009	---	72 a	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	---	---	---	---	---	---	340.68	59.10	281.58
MW-4	04/02/2010	---	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	---	---	---	---	---	---	340.68	53.57	287.11
MW-4	10/13/2010	---	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	---	---	---	---	---	---	340.68	58.30	282.38
MW-4	04/26/2011	---	71	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	---	---	---	---	---	---	340.68	50.02	290.66
MW-4	**07/07/2011**	**---**	**88 k**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<1.0**	**<10**	**---**	**---**	**---**	**---**	**---**	**---**	**340.68**	**51.89**	**288.79**
MW-4A	02/23/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	340.77	46.55	294.22
MW-4A	02/27/2006	---	246	3,280	232	135	27.2	306	10.2	<10.0	<0.500	<0.500	<0.500	---	---	---	340.77	44.61	296.16

GROUNDWATER DATA
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Well ID	Date	Total O&G (mg/L)	TPHd (µg/L)	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)	TDS (mg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)
MW-4A	04/19/2006	---	967	15,000	2,620	1,280	518	1,460	34.9	<10.0	<0.500	<0.500	<0.500	---	---	---	340.77	41.82	298.95
MW-4A	07/12/2006	---	<47.2	25,900	3,720	749	728	1,770	37.6	32.2	<0.500	<0.500	<0.500	---	---	---	340.77	43.48	297.29
MW-4A	10/06/2006	---	560 a	4,340	573	14.9	193	132	16.4	<10.0	<1.00	<1.00	<1.00	---	---	---	340.77	43.42	297.35
MW-4A	01/19/2007	---	420	3,700	1,300 e,f,g	150	350	400	40	<100	<2.5	<2.5	<2.5	---	---	---	340.77	38.03	302.74
MW-4A	04/03/2007	---	1,200	2,200 i	240	5.0	240	9.4	41	44	<2.0	<2.0	<2.0	---	---	---	340.77	34.78	305.99
MW-4A	07/06/2007	---	290	1,300 i	130	6.5	130	40.7	29	72	<2.0	<2.0	<2.0	---	---	---	340.77	42.91	297.86
MW-4A	10/25/2007	---	220 a	400 i	3.8	0.50 j	3.7	1.37 j	34	200	<2.0	<2.0	<2.0	---	---	---	340.77	39.12	301.65
MW-4A	01/10/2008	---	150 a	200 i	8.8	0.75 j	2.4	0.37 j	40	310	<2.0	<2.0	<2.0	---	---	---	340.77	35.20	305.57
MW-4A	04/17/2008	---	150 a	400 i	31	3.4	5.6	1.9	60	220	<2.0	<2.0	<2.0	---	---	---	340.77	35.21	305.56
MW-4A	07/02/2008	---	110 a	570	5.1	<1.0	<1.0	<1.0	120	640	<2.0	<2.0	<2.0	7.6	<1.0	---	340.77	40.48	300.29
MW-4A	10/14/2008	---	<50	70	<0.50	<1.0	<1.0	<1.0	6.4	14	<2.0	<2.0	<2.0	<0.50	<1.0	814	340.77	47.50	293.27
MW-4A	01/05/2009	---	93 a	660	1.5	<1.0	<1.0	<1.0	250	1,300	<2.0	<2.0	<2.0	4.7	<1.0	---	340.77	44.04	296.73
MW-4A	04/14/2009	---	<50	1,900	91	30	61	130	200	1,200	<2.0	<2.0	<2.0	<0.50	<1.0	---	340.77	41.55	299.22
MW-4A	06/17/2009	---	<50	170	<0.50	<1.0	<1.0	<1.0	88	470	<2.0	<2.0	<2.0	2.6	<1.0	---	340.77	46.62	294.15
MW-4A	10/06/2009	Insufficient water		---	---	---	---	---	---	---	---	---	---	---	---	---	340.77	54.41	286.36
MW-4A	04/02/2010	Insufficient water		---	---	---	---	---	---	---	---	---	---	---	---	---	340.77	53.65	287.12
MW-4A	10/13/2010	Insufficient water		---	---	---	---	---	---	---	---	---	---	---	---	---	340.77	54.35	286.42
MW-4A	04/26/2011	---	130 k	670	42	<0.50	<0.50	<1.0	11	51	---	---	---	---	---	---	340.77	50.12	290.65
MW-4A	**07/07/2011**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**340.77**	**52.02**	**288.75**
MW-4A	**07/08/2011**	**---**	**340**	**350**	**1.4**	**<0.50**	**<0.50**	**<1.0**	**27**	**200**	**---**	**---**	**---**	**---**	**---**	**---**	**340.77**	**---**	**---**
MW-5	02/23/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	340.86	45.10	295.76
MW-5	02/27/2006	---	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	---	---	---	340.86	44.69	296.17
MW-5	04/19/2006	---	<47.2	<50.0	0.810	0.810	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	---	---	---	340.86	41.95	298.91
MW-5	07/12/2006	---	71.6	<50.0	<0.500	<0.500	<0.500	<1.5	<0.500	<10.0	<0.500	<0.500	<0.500	---	---	---	340.86	43.44	297.42
MW-5	10/06/2006	---	260 a	<50.0	<1.00	<1.00	<1.00	<3.00	<1.00	<10.0	<1.00	<1.00	<1.00	---	---	---	340.86	43.46	297.40
MW-5	01/19/2007	---	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<0.50	---	---	---	340.86	38.09	302.77
MW-5	04/03/2007	---	120 a	<50 i	<0.50	<1.0	<1.0	<1.0	0.34 j	<10	<2.0	<2.0	<2.0	---	---	---	340.86	34.91	305.95
MW-5	07/06/2007	---	<50	<50 i	<0.50	<1.0	<1.0	<1.0	1.3	<10	<2.0	<2.0	<2.0	---	---	---	340.86	42.95	297.91
MW-5	10/25/2007	---	<50	<50 i	<0.50	0.34 j	<1.0	<1.0	1.7	<10	<2.0	<2.0	<2.0	---	---	---	340.86	39.16	301.70
MW-5	01/10/2008	---	82	<50 i	<0.50	<1.0	<1.0	<1.0	1.1	<10	<2.0	<2.0	<2.0	---	---	---	340.86	35.30	305.56
MW-5	04/17/2008	---	<50	<50 i	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	340.86	35.42	305.44
MW-5	07/02/2008	---	<50	<50	<0.50	<1.0	<1.0	<1.0	3.2	<10	<2.0	<2.0	<2.0	<0.50	<1.0	---	340.86	40.66	300.20
MW-5	10/14/2008	---	<50	59	<0.50	<1.0	<1.0	<1.0	22	<10	<2.0	<2.0	<2.0	<0.50	<1.0	963	340.86	47.60	293.26
MW-5	01/05/2009	---	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	<0.50	<1.0	---	340.86	44.16	296.70
MW-5	04/14/2009	---	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	<0.50	<1.0	---	340.86	41.73	299.13

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1801 SANTA RITA ROAD, PLEASANTON, CALIFORNIA

Well ID	Date	Total O&G (mg/L)	TPHd (µg/L)	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)	TDS (mg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)
MW-5	10/06/2009	Insufficient water		---	---	---	---	---	---	---	---	---	---	---	---	---	340.86	54.21	286.65
MW-5	04/02/2010	Insufficient water		---	---	---	---	---	---	---	---	---	---	---	---	---	340.86	53.68	287.18
MW-5	10/13/2010	Insufficient water		---	---	---	---	---	---	---	---	---	---	---	---	---	340.86	54.02	286.84
MW-5	04/26/2011	---	<48	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	---	---	---	---	---	---	340.86	50.18	290.68
MW-5	**07/07/2011**	**---**	**61 k**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<1.0**	**<10**	**---**	**---**	**---**	**---**	**---**	**---**	**340.86**	**52.11**	**288.75**
MW-6	09/12/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	42.20	---
MW-6	09/19/2007	---	<50	<50 i	<0.50	<1.0	<1.0	<1.0	2.5	<10	---	---	---	---	---	---	---	41.85	---
MW-6	10/25/2007	---	<50	<50 i	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	340.34	38.63	301.71
MW-6	01/10/2008	---	<50	<50 i	<0.50	<1.0	<1.0	<1.0	0.86 j	<10	<2.0	<2.0	<2.0	---	---	---	340.34	35.29	305.05
MW-6	04/17/2008	---	<50	<50 i	<0.50	<1.0	<1.0	<1.0	1.8	<10	<2.0	<2.0	<2.0	---	---	---	340.34	34.95	305.39
MW-6	07/02/2008	Well Inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	340.34	---	---
MW-6	10/14/2008	---	<50	<50	<0.50	<1.0	<1.0	<1.0	12	<10	<2.0	<2.0	<2.0	<0.50	<1.0	903	340.34	47.21	293.13
MW-6	01/05/2009	---	<50	<50	<0.50	<1.0	<1.0	<1.0	15	<10	<2.0	<2.0	<2.0	<0.50	<1.0	---	340.34	43.86	296.48
MW-6	04/14/2009	---	<50	81	<0.50	<1.0	<1.0	<1.0	25	13	<2.0	<2.0	<2.0	<0.50	<1.0	---	340.34	41.30	299.04
MW-6	10/06/2009	Insufficient water		---	---	---	---	---	---	---	---	---	---	---	---	---	340.34	54.16	286.18
MW-6	04/02/2010	Insufficient water		---	---	---	---	---	---	---	---	---	---	---	---	---	340.34	53.65	286.69
MW-6	10/13/2010	Insufficient water		---	---	---	---	---	---	---	---	---	---	---	---	---	340.34	54.12	286.22
MW-6	04/26/2011	---	<47	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	---	---	---	---	---	---	340.34	49.78	290.56
MW-6	**07/07/2011**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**340.34**	**51.74**	**288.60**
MW-6	**07/08/2011**	**---**	**93 k**	**<50**	**1.2**	**2.2**	**<0.50**	**1.8**	**<1.0**	**<10**	**---**	**---**	**---**	**---**	**---**	**---**	**340.34**	**---**	**---**

Notes:
Total O&G = Total oil and grease analyzed by EPA Method 1664A
TPHd = Total petroleum hydrocarbons as diesel analyzed by modified EPA Method 8015 with silica gel cleanup unless otherwise noted
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 = 1,2-Dibromoethane, analyzed by EPA Method 8260B
TDS = Total dissolved solids
TOC = Top of casing elevation, in feet relative to mean sea level

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1801 SANTA RITA ROAD, PLEASANTON, CALIFORNIA

Well ID	Date	Total O&G (mg/L)	TPHd (µg/L)	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)	TDS (mg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)

GW = Groundwater
µg/L = Micrograms per liter
mg/L = Milligrams per liter
ft = Feet
MSL = Mean sea level
<x = Not detected at reporting limit x
--- = Not analyzed or not available
n/n = TPHd/TPHd w/silica gel clean-up

a = Hydrocarbon does not match pattern of laboratory's standard.
c = Analysis without silica gel clean-up.
e = Initial analysis within holding time. Reanalysis for the required dilution or confirmation was past holding time.
f = The sample, as received, was not preserved in accordance to the referenced analytical method (pH = 7).
i = Analyzed by EPA Method 8015B (M).
j = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
k = Hydrocarbon result partly due to individual peak(s) in quantitation range.

Site wells surveyed January 14, 2003 by Mid Coast Engineers.
February 23, 2006 survey data for wells MW-1A, MW-4A, and MW-5 provided by Delta Environmental.
October 5, 2007 survey data for well MW-6 provided by Delta Environmental.

APPENDIX A

BLAINE TECH SERVICES, INC. – FIELD NOTES

WELL GAUGING DATA

Project # 110707-CK1 Date 7/7/11 Client SHELL

Site 1301 SANTA RITA RD., 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	1005	4					53.35	91.70		
MW-1A	0830	4					52.81	57.35		
MW-2	0946	4					52.90	93.31		
MW-3	0930	4					52.94	96.99		
MW-4	0920	2					51.89	94.55		
MW-4A	0900	4					52.02	54.58		
MW-5	0950	4					52.11	54.50		
MW-6	0940	4					51.74	54.66	↓	

SHELL WELL MONITORING DATA SHEET

BTS #: 110707-CK1	Site: 1801 SANTA RITA RD., PLEASANTON
Sampler: C. KILPATRICK	Date: 7/7/11
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 91.70	Depth to Water (DTW): 53.35
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]: 61.02	

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

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

25.0 (Gals.) X	3	=	75.0 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 (DTW)
1506	70.6	7.11	1340	61.1	25.0	CLEAR 53.60
1511	69.8	7.02	1339	24.1	50.0	CLEAR 53.60
1516	69.9	7.09	1340	11.7	75.0	CLEAR 53.60

Did well dewater? Yes (No) Gallons actually evacuated: 75.0

Sampling Date: 7/7/11 Sampling Time: 1519 Depth to Water: 53.60

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

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 110707-CK1	Site: 1801 SANTA RITA RD., PLEASANTON
Sampler: C. KILPATRICK	Date: 7/8/11
Well I.D.: MW-1A	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 57.35	Depth to Water (DTW): 52.81
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]: 53.72	

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 (DTW)
0852	67.6	6.80	1730	>1000	3.0	CLOUDY 53.71
0854	67.1	6.85	1725	51.1	6.0	CLEAR 53.45
0856	67.0	6.88	1720	30.6	9.0	CLEAR 53.45

Did well dewater? Yes (No) Gallons actually evacuated: 9.0

Sampling Date: 7/8/11 Sampling Time: 0900 Depth to Water: 53.45

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

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 110707-CK1	Site: 1801 SANTA RITA RD., PLEASANTON
Sampler: C. KILPATRICK	Date: 7/7/11
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 93.31	Depth to Water (DTW): 52.90
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]: 60.98	

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: _____

26.3 (Gals.) X	3	=	78.9 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	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations (DTW)
1103	68.3	7.03	1297	21.5	26.3	CLEAR 52.90
1110	67.4	7.05	1303	12.7	52.6	CLEAR 52.90
1117	67.4	6.99	1301	5.8	78.9	52.90

Did well dewater? Yes (No) Gallons actually evacuated: 78.9

Sampling Date: 7/7/11 Sampling Time: 1122 Depth to Water: 52.90

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

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 110707-CK1	Site: 1801 SANTA RITA RD., PLEASANTON
Sampler: C. KILPATRICK	Date: 7/7/11
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 96.99	Depth to Water (DTW): 52.94
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]: 61.75	

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: _____

28.6 (Gals.) X 3 = 85.8 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 (DTW)
1203	68.4	7.32	1293	13.5	28.6	CLEAR 54.10
1211	68.4	7.22	1296	5.9	57.2	CLEAR 54.10
1220	68.1	7.22	1299	3.5	85.8	CLEAR 54.10

Did well dewater? Yes (No) Gallons actually evacuated: 85.8

Sampling Date: 7/7/11 Sampling Time: 1224 Depth to Water: 54.10

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

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 110707-CK1	Site: 1801 SANTA RITA RD., PLEASANTON
Sampler: C. KILPATRICK	Date: 7/7/11
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 94.55	Depth to Water (DTW): 51.89
Depth to Free Product: ___	Thickness of Free Product (feet): ___
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 62.27	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other ___

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

6.8 (Gals.) X 3 = 20.4 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1300	73.0	7.27	1303	658	6.8	CLOUDY
1320	73.0	7.33	1301	328	13.6	CLOUDY
1340	72.9	7.26	1298	127	20.4	CLEAR

Did well dewater? Yes (No) Gallons actually evacuated: 20.4

Sampling Date: 7/7/11 Sampling Time: 1350 Depth to Water: 51.89

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

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 110707-CK1	Site: 1901 SANTA RITA RD., PLEASANTON
Sampler: C. KILPATRICK	Date: 7/8/11
Well I.D.: MW-4A	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 54.58	Depth to Water (DTW): 52.02
Depth to Free Product: ____	Thickness of Free Product (feet): ____
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 52.53	

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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
0938	68.9	6.66	1495	>1000	1.7	CLOUDY
0939	WELL	DEWATERED @	1.8 gal		1.8	
0950	68.8	6.68	1490	>1000	grab	

Did well dewater? (Yes) No Gallons actually evacuated: 1.8

Sampling Date: 7/8/11 Sampling Time: 0950 Depth to Water: 52.10

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

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 110707-CK1	Site: 1801 SANTA RITA RD., PLEASANTON
Sampler: C. KILPATRICK	Date: 7/7/11
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 54.50	Depth to Water (DTW): 52.11
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]: 52.59	

Purge Method: (Bailer) Waterra Sampling Method: (Bailer)
Disposable Bailer Peristaltic Disposable Bailer
Positive Air Displacement Extraction Pump Extraction Port
Electric Submersible Other_____ Dedicated Tubing
Other: _____

1.6 (Gals.) X	3	=	4.8 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
1420	73.5	7.01	1565	>1000	1.6	DARK
1421	WELL	DEWATERED @	1.7 gal		1.7	
1430	73.5	7.08	1586	>1000	GRAB	52.99 = DTW

Did well dewater? (Yes) No Gallons actually evacuated: 1.7

Sampling Date: 7/7/11 Sampling Time: 1430 Depth to Water: 52.11

Sample I.D.: MW-5 Laboratory: (Test America) Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 110707-CK1	Site: 1801 SANTA RITA RD., PLEASANTON
Sampler: C. KILPATRICK	Date: 7/8/11
Well I.D.: MW-6	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 54.66	Depth to Water (DTW): 51.74
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 52.32	

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: _____

1.9 (Gals.) X	3	= 5.7 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
0818	68.6	7.11	1562	>1000	1.9	CLOUDY
0819	WELL DEWATERED @ 2.0 gal.				2.0	
0820	68.5	6.98	1552	>1000	GRAB	CLOUDY

Did well dewater? (Yes) No Gallons actually evacuated: 2.0

Sampling Date: 7/8/11 Sampling Time: 0820 Depth to Water: 52.11

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

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

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

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

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

SHELL WELLHEAD INSPECTION FORM
(FOR SAMPLE TECHNICIAN)

Site Address 1801 SANTA RITA RD., PLEASANTON Date 7/7/11

Job Number 110707-CK1 Technician C. KILPATRICK 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-1A	X	X							
MW-2	X	X							
MW-3	X	X							
MW-4	X	X	X						WATER BAILED FROM BOX
MW-4A	X	X							
MW-5	X	X							
MW-6	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: 1801 Santa Rita Rd., Pleasanton, CA

Sampled: 07/07/11-07/08/11
Received: 07/12/11
Issued: 07/26/11 14:10

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
IUG0855-01	MW-1	Water
IUG0855-02	MW-1A	Water
IUG0855-03	MW-2	Water
IUG0855-04	MW-3	Water
IUG0855-05	MW-4	Water
IUG0855-06	MW-4A	Water
IUG0855-07	MW-5	Water
IUG0855-08	MW-6	Water

Reviewed By:

TestAmerica Irvine

Philip Sanelle
Project Manager

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

Project ID: 1801 Santa Rita Rd., Pleasanton, CA
Report Number: IUG0855

Sampled: 07/07/11-07/08/11
Received: 07/12/11

EXTRACTABLE FUEL HYDROCARBONS (EPA 8015B w/ Silica Gel Clean-up)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUG0855-01 (MW-1 - Water)				**Sampled: 07/07/11**				
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11G1193	47	**97**	0.943	7/12/2011	7/13/2011	QP1
Surrogate: n-Octacosane (45-120%)				*71 %*				
Sample ID: IUG0855-02 (MW-1A - Water)				**Sampled: 07/08/11**				
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11G1193	47	ND	0.943	7/12/2011	7/13/2011	
Surrogate: n-Octacosane (45-120%)				*75 %*				
Sample ID: IUG0855-03 (MW-2 - Water)				**Sampled: 07/07/11**				
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11G1193	50	**230**	1	7/12/2011	7/13/2011	QP1
Surrogate: n-Octacosane (45-120%)				*77 %*				
Sample ID: IUG0855-04 (MW-3 - Water)				**Sampled: 07/07/11**				
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11G1193	50	**130**	0.99	7/12/2011	7/13/2011	QP1
Surrogate: n-Octacosane (45-120%)				*86 %*				
Sample ID: IUG0855-05 (MW-4 - Water)				**Sampled: 07/07/11**				
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11G1193	48	**88**	0.962	7/12/2011	7/13/2011	QP1
Surrogate: n-Octacosane (45-120%)				*75 %*				
Sample ID: IUG0855-06 (MW-4A - Water)				**Sampled: 07/08/11**				
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11G1193	48	**340**	0.952	7/12/2011	7/13/2011	
Surrogate: n-Octacosane (45-120%)				*72 %*				
Sample ID: IUG0855-07 (MW-5 - Water)				**Sampled: 07/07/11**				
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11G1193	49	**61**	0.98	7/12/2011	7/12/2011	QP1
Surrogate: n-Octacosane (45-120%)				*75 %*				
Sample ID: IUG0855-08 (MW-6 - Water)				**Sampled: 07/08/11**				
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11G1193	48	**93**	0.962	7/12/2011	7/13/2011	QP1
Surrogate: n-Octacosane (45-120%)				*77 %*				

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Project ID: 1801 Santa Rita Rd., Pleasanton, CA
Report Number: IUG0855

Sampled: 07/07/11-07/08/11
Received: 07/12/11

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: IUG0855-01 (MW-1 - Water)				**Sampled: 07/07/11**				
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11G1521	50	ND	1	7/14/2011	7/14/2011	
Surrogate: Dibromofluoromethane (80-120%)				*104 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*81 %*				
Sample ID: IUG0855-02 (MW-1A - Water)				**Sampled: 07/08/11**				
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11G1521	50	**58**	1	7/14/2011	7/14/2011	QP1
Surrogate: Dibromofluoromethane (80-120%)				*99 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*82 %*				
Sample ID: IUG0855-03 (MW-2 - Water)				**Sampled: 07/07/11**				
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11G1521	50	ND	1	7/14/2011	7/14/2011	
Surrogate: Dibromofluoromethane (80-120%)				*100 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*81 %*				
Sample ID: IUG0855-04 (MW-3 - Water)				**Sampled: 07/07/11**				
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11G1521	50	ND	1	7/14/2011	7/14/2011	
Surrogate: Dibromofluoromethane (80-120%)				*103 %*				
Surrogate: Toluene-d8 (80-120%)				*98 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*80 %*				
Sample ID: IUG0855-05 (MW-4 - Water)				**Sampled: 07/07/11**				
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11G1521	50	ND	1	7/14/2011	7/14/2011	
Surrogate: Dibromofluoromethane (80-120%)				*108 %*				
Surrogate: Toluene-d8 (80-120%)				*97 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*81 %*				
Sample ID: IUG0855-06 (MW-4A - Water)				**Sampled: 07/08/11**				
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11G1521	50	**350**	1	7/14/2011	7/14/2011	
Surrogate: Dibromofluoromethane (80-120%)				*94 %*				
Surrogate: Toluene-d8 (80-120%)				*101 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*82 %*				

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Received: 07/12/11

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: IUG0855-07 (MW-5 - Water)					**Sampled: 07/07/11**			
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11G1516	50	ND	1	7/14/2011	7/15/2011	
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*92 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*90 %*				
Sample ID: IUG0855-08 (MW-6 - Water)					**Sampled: 07/08/11**			
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11G1521	50	ND	1	7/14/2011	7/14/2011	
Surrogate: Dibromofluoromethane (80-120%)				*105 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*81 %*				

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Report Number: IUG0855

Sampled: 07/07/11-07/08/11
Received: 07/12/11

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: IUG0855-01 (MW-1 - Water)				**Sampled: 07/07/11**				
Reporting Units: ug/l								
Benzene	EPA 8260B	11G1521	0.50	**0.94**	1	7/14/2011	7/14/2011	
Ethylbenzene	EPA 8260B	11G1521	0.50	ND	1	7/14/2011	7/14/2011	
Toluene	EPA 8260B	11G1521	0.50	ND	1	7/14/2011	7/14/2011	
Xylenes, Total	EPA 8260B	11G1521	1.0	ND	1	7/14/2011	7/14/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11G1521	1.0	ND	1	7/14/2011	7/14/2011	
tert-Butanol (TBA)	EPA 8260B	11G1521	10	ND	1	7/14/2011	7/14/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*81 %*				
Surrogate: Dibromofluoromethane (80-120%)				*104 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Sample ID: IUG0855-02 (MW-1A - Water)				**Sampled: 07/08/11**				
Reporting Units: ug/l								
Benzene	EPA 8260B	11G1521	0.50	**0.65**	1	7/14/2011	7/14/2011	
Ethylbenzene	EPA 8260B	11G1521	0.50	ND	1	7/14/2011	7/14/2011	
Toluene	EPA 8260B	11G1521	0.50	**1.9**	1	7/14/2011	7/14/2011	
Xylenes, Total	EPA 8260B	11G1521	1.0	**2.2**	1	7/14/2011	7/14/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11G1521	1.0	**63**	1	7/14/2011	7/14/2011	
tert-Butanol (TBA)	EPA 8260B	11G1521	10	ND	1	7/14/2011	7/14/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*82 %*				
Surrogate: Dibromofluoromethane (80-120%)				*99 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Sample ID: IUG0855-03 (MW-2 - Water)				**Sampled: 07/07/11**				
Reporting Units: ug/l								
Benzene	EPA 8260B	11G1521	0.50	**3.9**	1	7/14/2011	7/14/2011	
Ethylbenzene	EPA 8260B	11G1521	0.50	ND	1	7/14/2011	7/14/2011	
Toluene	EPA 8260B	11G1521	0.50	**4.8**	1	7/14/2011	7/14/2011	
Xylenes, Total	EPA 8260B	11G1521	1.0	**3.6**	1	7/14/2011	7/14/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11G1521	1.0	**5.5**	1	7/14/2011	7/14/2011	
tert-Butanol (TBA)	EPA 8260B	11G1521	10	**15**	1	7/14/2011	7/14/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*81 %*				
Surrogate: Dibromofluoromethane (80-120%)				*100 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				

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Report Number: IUG0855

Sampled: 07/07/11-07/08/11
Received: 07/12/11

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: IUG0855-04 (MW-3 - Water)					**Sampled: 07/07/11**			
Reporting Units: ug/l								
Benzene	EPA 8260B	11G1521	0.50	ND	1	7/14/2011	7/14/2011	
Ethylbenzene	EPA 8260B	11G1521	0.50	ND	1	7/14/2011	7/14/2011	
Toluene	EPA 8260B	11G1521	0.50	ND	1	7/14/2011	7/14/2011	
Xylenes, Total	EPA 8260B	11G1521	1.0	ND	1	7/14/2011	7/14/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11G1521	1.0	ND	1	7/14/2011	7/14/2011	
tert-Butanol (TBA)	EPA 8260B	11G1521	10	ND	1	7/14/2011	7/14/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*80 %*				
Surrogate: Dibromofluoromethane (80-120%)				*103 %*				
Surrogate: Toluene-d8 (80-120%)				*98 %*				
Sample ID: IUG0855-05 (MW-4 - Water)					**Sampled: 07/07/11**			
Reporting Units: ug/l								
Benzene	EPA 8260B	11G1521	0.50	ND	1	7/14/2011	7/14/2011	
Ethylbenzene	EPA 8260B	11G1521	0.50	ND	1	7/14/2011	7/14/2011	
Toluene	EPA 8260B	11G1521	0.50	ND	1	7/14/2011	7/14/2011	
Xylenes, Total	EPA 8260B	11G1521	1.0	ND	1	7/14/2011	7/14/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11G1521	1.0	ND	1	7/14/2011	7/14/2011	
tert-Butanol (TBA)	EPA 8260B	11G1521	10	ND	1	7/14/2011	7/14/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*81 %*				
Surrogate: Dibromofluoromethane (80-120%)				*108 %*				
Surrogate: Toluene-d8 (80-120%)				*97 %*				
Sample ID: IUG0855-06 (MW-4A - Water)					**Sampled: 07/08/11**			
Reporting Units: ug/l								
Benzene	EPA 8260B	11G1521	0.50	**1.4**	1	7/14/2011	7/14/2011	
Ethylbenzene	EPA 8260B	11G1521	0.50	ND	1	7/14/2011	7/14/2011	
Toluene	EPA 8260B	11G1521	0.50	ND	1	7/14/2011	7/14/2011	
Xylenes, Total	EPA 8260B	11G1521	1.0	ND	1	7/14/2011	7/14/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11G1521	1.0	**27**	1	7/14/2011	7/14/2011	
tert-Butanol (TBA)	EPA 8260B	11G1521	10	**200**	1	7/14/2011	7/14/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*82 %*				
Surrogate: Dibromofluoromethane (80-120%)				*94 %*				
Surrogate: Toluene-d8 (80-120%)				*101 %*				

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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: IUG0855-07 (MW-5 - Water)				**Sampled: 07/07/11**				
Reporting Units: ug/l								
Benzene	EPA 8260B	11G1516	0.50	ND	1	7/14/2011	7/15/2011	
Ethylbenzene	EPA 8260B	11G1516	0.50	ND	1	7/14/2011	7/15/2011	
Toluene	EPA 8260B	11G1516	0.50	ND	1	7/14/2011	7/15/2011	
Xylenes, Total	EPA 8260B	11G1516	1.0	ND	1	7/14/2011	7/15/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11G1516	1.0	ND	1	7/14/2011	7/15/2011	
tert-Butanol (TBA)	EPA 8260B	11G1516	10	ND	1	7/14/2011	7/15/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*90 %*				
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*92 %*				
Sample ID: IUG0855-08 (MW-6 - Water)				**Sampled: 07/08/11**				
Reporting Units: ug/l								
Benzene	EPA 8260B	11G1521	0.50	**1.2**	1	7/14/2011	7/14/2011	
Ethylbenzene	EPA 8260B	11G1521	0.50	ND	1	7/14/2011	7/14/2011	
Toluene	EPA 8260B	11G1521	0.50	**2.2**	1	7/14/2011	7/14/2011	
Xylenes, Total	EPA 8260B	11G1521	1.0	**1.8**	1	7/14/2011	7/14/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11G1521	1.0	ND	1	7/14/2011	7/14/2011	
tert-Butanol (TBA)	EPA 8260B	11G1521	10	ND	1	7/14/2011	7/14/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*81 %*				
Surrogate: Dibromofluoromethane (80-120%)				*105 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				

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HEXANE EXTRACTABLE MATERIAL

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUG0855-02 (MW-1A - Water)					**Sampled: 07/08/11**			
Reporting Units: ug/l								
SilicaGel Treated Hexane Extractable Material(TPH)	EPA 1664A	11G2428	5000	ND	1	7/21/2011	7/21/2011	

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METHOD BLANK/QC DATA

EXTRACTABLE FUEL HYDROCARBONS (EPA 8015B w/ Silica Gel Clean-up)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11G1193 Extracted: 07/12/11										
Blank Analyzed: 07/12/2011 (11G1193-BLK1)										
DRO (C10-C28)	ND	50	ug/l							
Surrogate: n-Octacosane	*130*		*ug/l*	*200*		*65*	*45-120*			
LCS Analyzed: 07/12/2011 (11G1193-BS1)										**MNR1**
DRO (C10-C28)	687	50	ug/l	1000		69	40-115			
Surrogate: n-Octacosane	*137*		*ug/l*	*200*		*69*	*45-120*			
LCS Dup Analyzed: 07/12/2011 (11G1193-BSD1)										
DRO (C10-C28)	730	50	ug/l	1000		73	40-115	6	25	
Surrogate: n-Octacosane	*148*		*ug/l*	*200*		*74*	*45-120*			

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Received: 07/12/11

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: 11G1516 Extracted: 07/14/11										
Blank Analyzed: 07/14/2011 (11G1516-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	50	ug/l							
Surrogate: Dibromofluoromethane	*24.1*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: Toluene-d8	*22.9*		*ug/l*	*25.0*		*92*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*21.8*		*ug/l*	*25.0*		*87*	*80-120*			
LCS Analyzed: 07/14/2011 (11G1516-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	416	50	ug/l	500		83	55-130			
Surrogate: Dibromofluoromethane	*23.8*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Toluene-d8	*23.7*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*22.5*		*ug/l*	*25.0*		*90*	*80-120*			
Matrix Spike Analyzed: 07/14/2011 (11G1516-MS1)					**Source: IUG0638-08**					
Volatile Fuel Hydrocarbons (C4-C12)	1650	50	ug/l	1720	ND	96	50-145			
Surrogate: Dibromofluoromethane	*24.9*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Toluene-d8	*22.9*		*ug/l*	*25.0*		*92*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.2*		*ug/l*	*25.0*		*93*	*80-120*			
Matrix Spike Dup Analyzed: 07/14/2011 (11G1516-MSD1)					**Source: IUG0638-08**					
Volatile Fuel Hydrocarbons (C4-C12)	1740	50	ug/l	1720	ND	101	50-145	5	20	
Surrogate: Dibromofluoromethane	*25.8*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: Toluene-d8	*22.8*		*ug/l*	*25.0*		*91*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.9*		*ug/l*	*25.0*		*96*	*80-120*			
Batch: 11G1521 Extracted: 07/14/11										
Blank Analyzed: 07/14/2011 (11G1521-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	50	ug/l							
Surrogate: Dibromofluoromethane	*27.2*		*ug/l*	*25.0*		*109*	*80-120*			
Surrogate: Toluene-d8	*25.5*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*22.2*		*ug/l*	*25.0*		*89*	*80-120*			

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: 1801 Santa Rita Rd., Pleasanton, CA
Report Number: IUG0855

Sampled: 07/07/11-07/08/11
Received: 07/12/11

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: 11G1521 Extracted: 07/14/11										
LCS Analyzed: 07/14/2011 (11G1521-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	491	50	ug/l	500		98	55-130			
Surrogate: Dibromofluoromethane	*26.6*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: Toluene-d8	*26.6*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.5*		*ug/l*	*25.0*		*94*	*80-120*			
Matrix Spike Analyzed: 07/14/2011 (11G1521-MS1)					**Source: IUG0863-01**					
Volatile Fuel Hydrocarbons (C4-C12)	1250	50	ug/l	1720	ND	72	50-145			
Surrogate: Dibromofluoromethane	*25.4*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: Toluene-d8	*25.5*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.4*		*ug/l*	*25.0*		*94*	*80-120*			
Matrix Spike Dup Analyzed: 07/14/2011 (11G1521-MSD1)					**Source: IUG0863-01**					
Volatile Fuel Hydrocarbons (C4-C12)	1470	50	ug/l	1720	ND	85	50-145	16	20	
Surrogate: Dibromofluoromethane	*25.9*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: Toluene-d8	*25.7*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.2*		*ug/l*	*25.0*		*97*	*80-120*			

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San Jose, CA 95112-1105
Attention: Lorin King

Project ID: 1801 Santa Rita Rd., Pleasanton, CA
Report Number: IUG0855

Sampled: 07/07/11-07/08/11
Received: 07/12/11

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: 11G1516 Extracted: 07/14/11										
Blank Analyzed: 07/14/2011 (11G1516-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	*21.8*		*ug/l*	*25.0*		*87*	*80-120*			
Surrogate: Dibromofluoromethane	*24.1*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: Toluene-d8	*22.9*		*ug/l*	*25.0*		*92*	*80-120*			
LCS Analyzed: 07/14/2011 (11G1516-BS1)										
Benzene	23.3	0.50	ug/l	25.0		93	70-120			
Ethylbenzene	25.6	0.50	ug/l	25.0		102	75-125			
Toluene	23.2	0.50	ug/l	25.0		93	70-120			
m,p-Xylenes	50.6	1.0	ug/l	50.0		101	75-125			
o-Xylene	25.0	0.50	ug/l	25.0		100	75-125			
Xylenes, Total	75.6	1.0	ug/l	75.0		101	70-125			
Methyl-tert-butyl Ether (MTBE)	21.0	1.0	ug/l	25.0		84	60-135			
tert-Butanol (TBA)	145	10	ug/l	125		116	70-135			
Surrogate: 4-Bromofluorobenzene	*23.6*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: Dibromofluoromethane	*24.7*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: Toluene-d8	*22.8*		*ug/l*	*25.0*		*91*	*80-120*			
Matrix Spike Analyzed: 07/14/2011 (11G1516-MS1)					**Source: IUG0638-08**					
Benzene	22.2	0.50	ug/l	25.0	ND	89	65-125			
Ethylbenzene	23.9	0.50	ug/l	25.0	ND	95	65-130			
Toluene	22.0	0.50	ug/l	25.0	ND	88	70-125			
m,p-Xylenes	47.5	1.0	ug/l	50.0	ND	95	65-130			
o-Xylene	23.4	0.50	ug/l	25.0	ND	94	65-125			
Xylenes, Total	70.9	1.0	ug/l	75.0	ND	95	60-130			
Methyl-tert-butyl Ether (MTBE)	22.1	1.0	ug/l	25.0	ND	89	55-145			
tert-Butanol (TBA)	133	10	ug/l	125	ND	106	65-140			
Surrogate: 4-Bromofluorobenzene	*23.2*		*ug/l*	*25.0*		*93*	*80-120*			
Surrogate: Dibromofluoromethane	*24.9*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Toluene-d8	*22.9*		*ug/l*	*25.0*		*92*	*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: 1801 Santa Rita Rd., Pleasanton, CA
Report Number: IUG0855

Sampled: 07/07/11-07/08/11
Received: 07/12/11

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: 11G1516 Extracted: 07/14/11										
Matrix Spike Dup Analyzed: 07/14/2011 (11G1516-MSD1)					**Source: IUG0638-08**					
Benzene	23.3	0.50	ug/l	25.0	ND	93	65-125	5	20	
Ethylbenzene	25.4	0.50	ug/l	25.0	ND	101	65-130	6	20	
Toluene	23.1	0.50	ug/l	25.0	ND	92	70-125	5	20	
m,p-Xylenes	50.3	1.0	ug/l	50.0	ND	101	65-130	6	25	
o-Xylene	25.5	0.50	ug/l	25.0	ND	102	65-125	8	20	
Xylenes, Total	75.7	1.0	ug/l	75.0	ND	101	60-130	7	20	
Methyl-tert-butyl Ether (MTBE)	23.3	1.0	ug/l	25.0	ND	93	55-145	5	25	
tert-Butanol (TBA)	141	10	ug/l	125	ND	113	65-140	6	25	
Surrogate: 4-Bromofluorobenzene	*23.9*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: Dibromofluoromethane	*25.8*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: Toluene-d8	*22.8*		*ug/l*	*25.0*		*91*	*80-120*			
Batch: 11G1521 Extracted: 07/14/11										
Blank Analyzed: 07/14/2011 (11G1521-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	*22.2*		*ug/l*	*25.0*		*89*	*80-120*			
Surrogate: Dibromofluoromethane	*27.2*		*ug/l*	*25.0*		*109*	*80-120*			
Surrogate: Toluene-d8	*25.5*		*ug/l*	*25.0*		*102*	*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: 1801 Santa Rita Rd., Pleasanton, CA
Report Number: IUG0855

Sampled: 07/07/11-07/08/11
Received: 07/12/11

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: 11G1521 Extracted: 07/14/11										
LCS Analyzed: 07/14/2011 (11G1521-BS1)										
Benzene	22.0	0.50	ug/l	25.0		88	70-120			
Ethylbenzene	22.3	0.50	ug/l	25.0		89	75-125			
Toluene	22.5	0.50	ug/l	25.0		90	70-120			
m,p-Xylenes	46.3	1.0	ug/l	50.0		93	75-125			
o-Xylene	23.2	0.50	ug/l	25.0		93	75-125			
Xylenes, Total	69.5	1.0	ug/l	75.0		93	70-125			
Methyl-tert-butyl Ether (MTBE)	21.9	1.0	ug/l	25.0		88	60-135			
tert-Butanol (TBA)	120	10	ug/l	125		96	70-135			
Surrogate: 4-Bromofluorobenzene	*24.4*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Dibromofluoromethane	*25.3*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Toluene-d8	*25.9*		*ug/l*	*25.0*		*104*	*80-120*			
Matrix Spike Analyzed: 07/14/2011 (11G1521-MS1)					**Source: IUG0863-01**					
Benzene	22.2	0.50	ug/l	25.0	ND	89	65-125			
Ethylbenzene	22.3	0.50	ug/l	25.0	ND	89	65-130			
Toluene	22.6	0.50	ug/l	25.0	ND	90	70-125			
m,p-Xylenes	46.0	1.0	ug/l	50.0	ND	92	65-130			
o-Xylene	23.2	0.50	ug/l	25.0	ND	93	65-125			
Xylenes, Total	69.2	1.0	ug/l	75.0	ND	92	60-130			
Methyl-tert-butyl Ether (MTBE)	24.0	1.0	ug/l	25.0	ND	96	55-145			
tert-Butanol (TBA)	118	10	ug/l	125	ND	95	65-140			
Surrogate: 4-Bromofluorobenzene	*23.4*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: Dibromofluoromethane	*25.4*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: Toluene-d8	*25.5*		*ug/l*	*25.0*		*102*	*80-120*			
Matrix Spike Dup Analyzed: 07/14/2011 (11G1521-MSD1)					**Source: IUG0863-01**					
Benzene	25.6	0.50	ug/l	25.0	ND	102	65-125	14	20	
Ethylbenzene	25.3	0.50	ug/l	25.0	ND	101	65-130	13	20	
Toluene	25.6	0.50	ug/l	25.0	ND	102	70-125	13	20	
m,p-Xylenes	52.3	1.0	ug/l	50.0	ND	105	65-130	13	25	
o-Xylene	26.3	0.50	ug/l	25.0	ND	105	65-125	13	20	
Xylenes, Total	78.6	1.0	ug/l	75.0	ND	105	60-130	13	20	
Methyl-tert-butyl Ether (MTBE)	28.2	1.0	ug/l	25.0	ND	113	55-145	16	25	
tert-Butanol (TBA)	131	10	ug/l	125	ND	105	65-140	10	25	
Surrogate: 4-Bromofluorobenzene	*24.2*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Dibromofluoromethane	*25.9*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: Toluene-d8	*25.7*		*ug/l*	*25.0*		*103*	*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: 1801 Santa Rita Rd., Pleasanton, CA
Report Number: IUG0855

Sampled: 07/07/11-07/08/11
Received: 07/12/11

METHOD BLANK/QC DATA

HEXANE EXTRACTABLE MATERIAL

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11G2428 Extracted: 07/21/11										
Blank Analyzed: 07/21/2011 (11G2428-BLK1)										
SilicaGel Treated Hexane Extractable Material(TPH)	ND	5000	ug/l							
LCS Analyzed: 07/21/2011 (11G2428-BS1)										**MNR1**
SilicaGel Treated Hexane Extractable Material(TPH)	8500	5000	ug/l	10000		85	70-110			
LCS Dup Analyzed: 07/21/2011 (11G2428-BSD1)										
SilicaGel Treated Hexane Extractable Material(TPH)	8200	5000	ug/l	10000		82	70-110	4	15	

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San Jose, CA 95112-1105
Attention: Lorin King

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Sampled: 07/07/11-07/08/11
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DATA QUALIFIERS AND DEFINITIONS

MNR1 There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.

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.

For Extractable Fuel Hydrocarbons (EFH, DRO, ORO) :

Unless otherwise noted, Extractable Fuel Hydrocarbons (EFH, DRO, ORO) are quantitated against a Diesel Fuel Standard.

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Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
EPA 1664A	Water	X	X
EPA 8015B	Water	X	X
EPA 8260B	Water	X	X
TPH by GC/MS	Water	X	X

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

TestAmerica Irvine

Philip Sanelle
Project Manager

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name: Peter Schaefer 135783

INCIDENT # (ENV SERVICES): 97615964

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 7/8/11

PAGE: 1 of 1

PO #: 40-40343-7373

SAP #:

SAMPLING COMPANY: Blaine Tech Services

LOG CODE: BTSS

SITE ADDRESS: Street and City: 1801 Santa Rita Rd., Pleasanton

State: CA

GLOBAL ID NO.: T0600144714

ADDRESS: 1680 Rogers Avenue, San Jose, CA

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

PHONE NO.: 510-420-3343

E-MAIL: shelledf@craworld.com

CONSULTANT PROJECT NO.: 110707-CK1

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

TELEPHONE: 310-995-4455 x 108

FAX: 310-637-5802

E-MAIL: lking@blainetech.com

SAMPLER NAME(S) (Print): COREY KILPATRICK

LAB USE ONLY: IUG0855

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

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

Run TPH-D and Total Oil and Grease with Silica Gel Clean Up

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH -GRO, Purgeable (8260B)	TPH -DRO, Extractable (8015M)	TPHg (8015M)	BTEX (5260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B)	BTEX + 5 OXYs (MTBE, TBA, DIPE, TAME, ETBE) 8260B	Full VOC list (8260B)	Single Compound: _____ (8260B)	1,2-DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	Total Oil & Grease (1664A)	Container PID Readings or Laboratory Notes
	MW-1	7/7/11	1518	W	3			2		5	X	X				X									
	MW-1A	7/8/11	0900		5			2		7	X	X				X								X	w/SILICA GEL CLEAN-UP
	MW-2	7/7/11	1122		3			2		5	X	X				X									
	MW-3	7/7/11	1224		3			2		5	X	X				X									
	MW-4	7/7/11	1350		3			2		5	X	X				X									
	MW-4A	7/9/11	0950		3			2		5	X	X				X				-					
	MW-5	7/7/11	1430		3			2		5	X	X				X									
	MW-6	7/8/11	0820	↓	3			2		5	X	X				X									

TEMPERATURE ON RECEIPT C°: 3.5°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	(SAMPLE CUSTODIAN)	7/8/11	~~7/8/11~~ 1745
(Sample Custodian)	TASF	7/11/11	1000
		07/11/11	1045

05/2/06 Revision

7-11-11 1600 TASF

Olaa Olmelos 7/12/11 9:45 n.a.s. 22.00