CONESTOGA-ROVERS & ASSOCIATES

5900 Hollis Street, Suite A
Emeryville, California 94608
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TRANSMITTAL

DATE: February 8, 2012

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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Alameda County
Environmental Health

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QUANTITY	DESCRIPTION
1	Groundwater Monitoring Report – Fourth Quarter 2011

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

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

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

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 - FOURTH 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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FEBRUARY 8, 2012
REF. NO. 201232 (5)
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1.0 INTRODUCTION

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

1.1 SITE INFORMATION

Site Address	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

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.

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Northeasterly
Hydraulic Gradient	0.003
Depth to Water	54.05 to 65.35 feet below top of well casing

2.3 PROPOSED ACTIVITIES

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

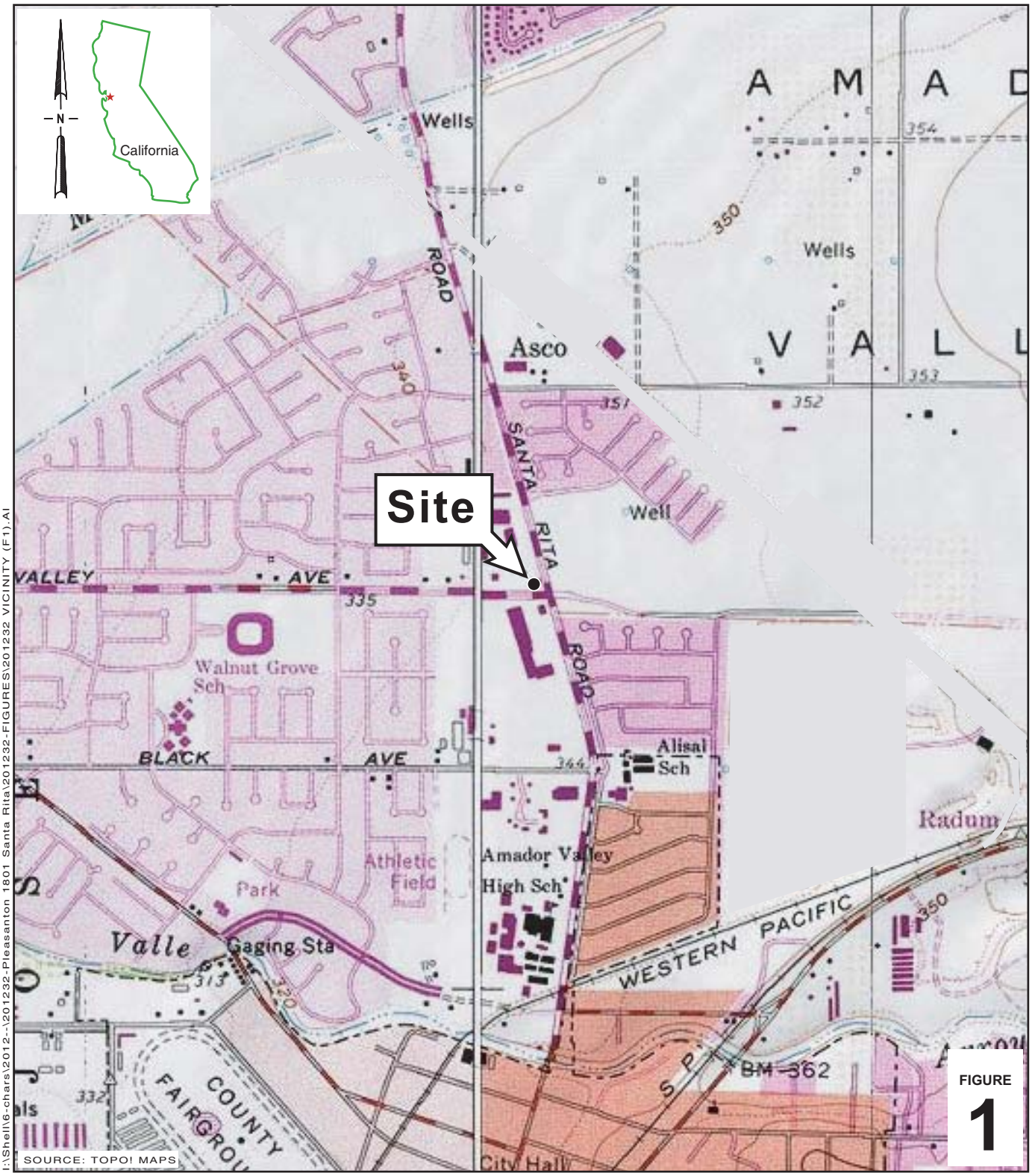
All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

Peter Schaefer, CHG, CEG

Aubrey K. Cool, PG

FIGURES

02/10/2011



I:\Shell\6-chars\2012-\201232-Pleasanton 1801 Santa Rita\201232-FIGURES\201232 VICINITY (F1).AI

FIGURE 1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

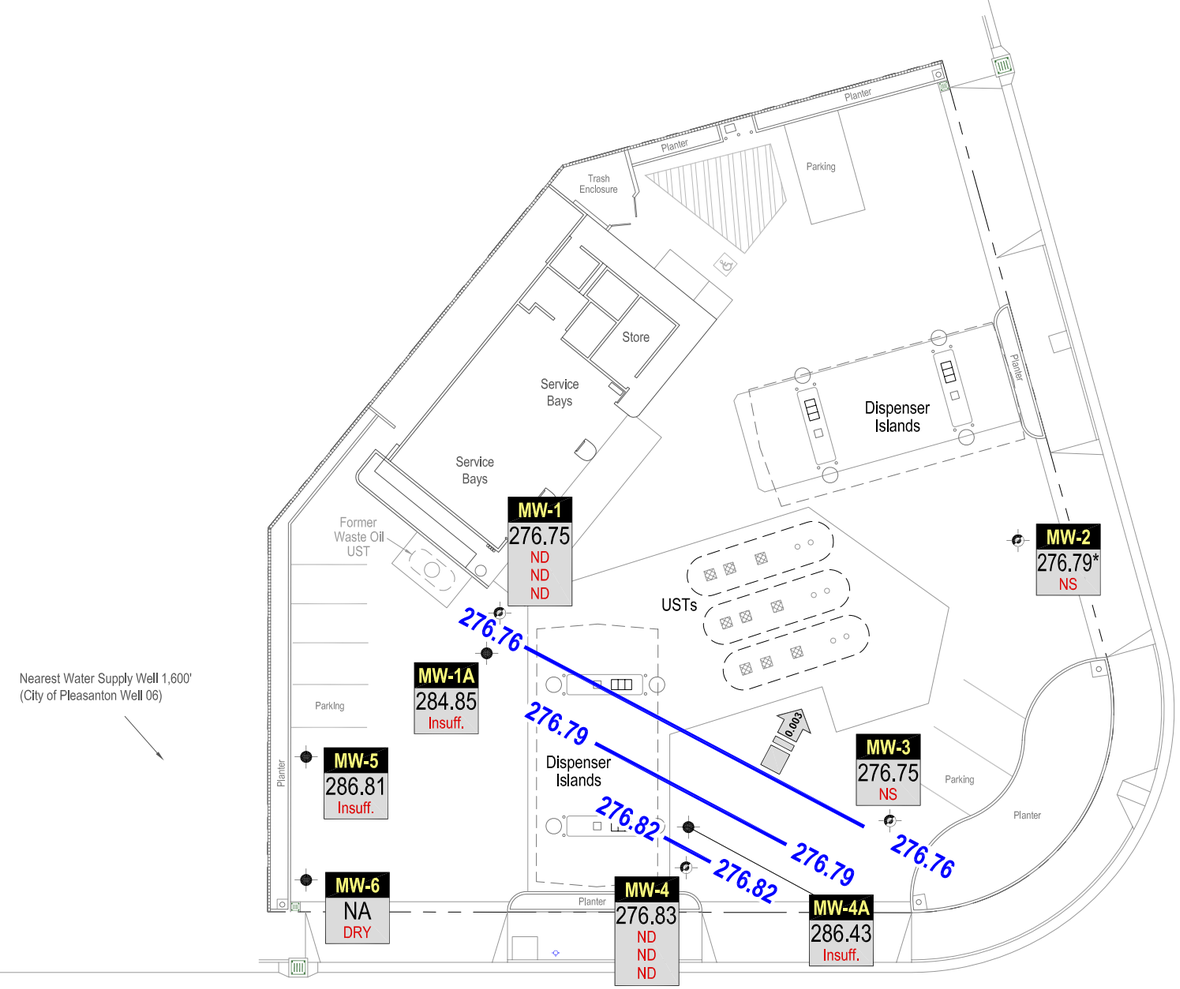
Shell-branded Service Station

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)

x.xx — Groundwater flow direction and gradient

XX.XX — Groundwater elevation contour, in feet above mean sea level (msl); dashed where inferred

Well
ELEV
Benzene
MTBE
TBA

Well designation

Groundwater elevation, in feet above msl

Benzene, MTBE, and TBA concentrations are in micrograms per liter

Notes:
Insuff. = Insufficient water; well not sampled
NA = Not available; well dry
ND = Not detected
NS = Not sampled
- Deeper zone wells used in contouring
*** =** Data anomalous; not used in contouring

Figure 2

Groundwater Contour and Chemical Concentration Map
October 3, 2011
Shell-branded Service Station
1801 Santa Rita Road
Pleasanton, California

I:\Shell\6-chars\2012--\201232-Pleasanton 1801 Santa Rita\201232-REPORTS\201232-RPT5-4Q11\201232 4QM11-GW.DWG (01/30/2012)

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-1	**10/03/2011**	**---**	**130**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<1.0**	**<10**	**---**	**---**	**---**	**---**	**---**	**---**	**342.10**	**65.35**	**276.75**
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-1A	**10/03/2011**	**Insufficient water**		**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**341.72**	**56.87**	**284.85**
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

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-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-2	**10/03/2011**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**341.57**	**64.98**	**276.59**
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-3	**10/03/2011**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**341.65**	**64.90**	**276.75**
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-4	**10/03/2011**	**---**	**91**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<1.0**	**<10**	**---**	**---**	**---**	**---**	**---**	**---**	**340.68**	**63.85**	**276.83**
MW-4A	02/23/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	340.77	46.55	294.22

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-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
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-4A	**10/03/2011**	**Insufficient water**		---	---	---	---	---	---	---	---	---	---	---	---	---	**340.77**	**54.34**	**286.43**
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

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	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
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-5	**10/03/2011**	**Insufficient water**		**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**340.86**	**54.05**	**286.81**
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	---	---
MW-6	**10/03/2011**	**Well dry**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**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

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)

TDS = Total dissolved solids
TOC = Top of casing elevation, in feet relative to mean sea level
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 # 111003-PH1 Date 10/3/11 Client Shell

Site 1801 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	0943	4					65.35	91.81		
MW-1A	0957	4					56.87	57.22		
MW-2	0927	4					64.98	93.05		
MW-3	0933	4					64.90	96.88		
MW-4	0947	2					63.85	94.32		
MW-4A	1002	4					54.34	54.54		
MW-5	0939	4					54.05	54.43		
MW-6	0953	4					Dry	54.68		

SHELL WELL MONITORING DATA SHEET

BTS #: 111003-PH2	Site: 9761594
Sampler: PH	Date: 10/3/11
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): ~~91.81~~ 91.81	Depth to Water (DTW): 65.35
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]: 70.64	

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

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

17.2 (Gals.) X	3	=	51.6 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1020	66.3	6.5	1415	67	17.5	
1024	65.9	6.7	1399	21	35	
1027	65.5	6.7	1390	12	52	

Did well dewater? Yes (No) Gallons actually evacuated: 52

Sampling Date: 10/3/11 Sampling Time: 1030 Depth to Water: 65.35

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

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

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 #: 11003-PH2	Site: 9765964
Sampler: PH	Date: 10/3/11
Well I.D.: MW-1A	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 57.22	Depth to Water (DTW): 56.87
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

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

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

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

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
—		Insufficient water to purge or sample				—
	—		No SAMPLE TAKEN		—	

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

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

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 111003-PH2	Site: 97615964
Sampler: PH	Date: 10/3/11
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 94.32	Depth to Water (DTW): 63.85
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]: 69.91	

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

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

4.8 (Gals.) X 3 = 14.6 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
1101	65.7	7.4	1377	126	5	
1108	67.1	7.1	1366	88	10	
1115	67.0	7.1	1367	65	15	

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

Sampling Date: 10/3/11 Sampling Time: 1120 Depth to Water: 63.85

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

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

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 #: 111003-PH2	Site: 97615964
Sampler: PH	Date: 10/3/11
Well I.D.: MW-4A	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 54.54	Depth to Water (DTW): 34.34
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

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

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

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

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
	—	Insufficient water to purge or Sample				—
	—		NO SAMPLE TAKEN		—	

Did well dewater? Yes No — Gallons actually evacuated:

Sampling Date: — Sampling Time: — Depth to Water:

Sample I.D.: — Laboratory: Test America Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 111003-PH2	Site: 97615964
Sampler: PH	Date: 10/3/11
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 54.43	Depth to Water (DTW): 54.06
Depth to Free Product: -	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

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

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

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

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
	—	Insufficient water to purge or sample				—
		—	NO SAMPLE TAKEN		—	

Did well dewater? Yes No — Gallons actually evacuated:

Sampling Date: — Sampling Time: — Depth to Water:

Sample I.D.: — Laboratory: Test America Other ___

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 111003-PH2	Site: 9765964
Sampler: PH	Date: 10/3/11
Well I.D.: MW-6	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 54.68	Depth to Water (DTW): Dry
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

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

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

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

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
			well is Dry			
			NO SAMPLE TAKEN			

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

Sample I.D.: Laboratory: Test America Other

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

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

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

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

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 1801 Santa Rita Rd, Pleasanton Date 10/3/11

Job Number 111003-PH1 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-1A	X	X							
MW-2	X	X							
MW-3	X	X							
MW-4	X	X							
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: 10/03/11
Received: 10/06/11
Issued: 10/19/11 17:35

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
IUJ0866-01	MW-1	Water
IUJ0866-02	MW-4	Water

Reviewed By:

Philip Sanelle

TestAmerica Irvine

Philip Sanelle
Project Manager

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

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

Project ID: 1801 Santa Rita Rd., Pleasanton, CA
Report Number: IUJ0866

Sampled: 10/03/11
Received: 10/06/11

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: IUJ0866-01 (MW-1 - Water)								
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11J0993	48	**130**	0.962	10/9/2011	10/10/2011	
Surrogate: n-Octacosane (45-120%)				*81 %*				
Sample ID: IUJ0866-02 (MW-4 - Water)								
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11J0993	48	**91**	0.962	10/9/2011	10/10/2011	
Surrogate: n-Octacosane (45-120%)				*73 %*				

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: 1801 Santa Rita Rd., Pleasanton, CA
Report Number: IUJ0866

Sampled: 10/03/11
Received: 10/06/11

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: IUJ0866-01 (MW-1 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11J1389	50	ND	1	10/12/2011	10/12/2011	
Surrogate: Dibromofluoromethane (80-120%)				*106 %*				
Surrogate: Toluene-d8 (80-120%)				*108 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*107 %*				
Sample ID: IUJ0866-02 (MW-4 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11J1389	50	ND	1	10/12/2011	10/12/2011	
Surrogate: Dibromofluoromethane (80-120%)				*107 %*				
Surrogate: Toluene-d8 (80-120%)				*108 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*109 %*				

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: IUJ0866

Sampled: 10/03/11
Received: 10/06/11

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: IUJ0866-01 (MW-1 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11J1389	0.50	ND	1	10/12/2011	10/12/2011	
Ethylbenzene	EPA 8260B	11J1389	0.50	ND	1	10/12/2011	10/12/2011	
Toluene	EPA 8260B	11J1389	0.50	ND	1	10/12/2011	10/12/2011	
Xylenes, Total	EPA 8260B	11J1389	1.0	ND	1	10/12/2011	10/12/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11J1389	1.0	ND	1	10/12/2011	10/12/2011	
tert-Butanol (TBA)	EPA 8260B	11J1389	10	ND	1	10/12/2011	10/12/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*107 %*				
Surrogate: Dibromofluoromethane (80-120%)				*106 %*				
Surrogate: Toluene-d8 (80-120%)				*108 %*				
Sample ID: IUJ0866-02 (MW-4 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11J1389	0.50	ND	1	10/12/2011	10/12/2011	
Ethylbenzene	EPA 8260B	11J1389	0.50	ND	1	10/12/2011	10/12/2011	
Toluene	EPA 8260B	11J1389	0.50	ND	1	10/12/2011	10/12/2011	
Xylenes, Total	EPA 8260B	11J1389	1.0	ND	1	10/12/2011	10/12/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11J1389	1.0	ND	1	10/12/2011	10/12/2011	
tert-Butanol (TBA)	EPA 8260B	11J1389	10	ND	1	10/12/2011	10/12/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*109 %*				
Surrogate: Dibromofluoromethane (80-120%)				*107 %*				
Surrogate: Toluene-d8 (80-120%)				*108 %*				

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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: IUJ0866

Sampled: 10/03/11
Received: 10/06/11

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: 11J0993 Extracted: 10/09/11										
Blank Analyzed: 10/10/2011 (11J0993-BLK1)										
DRO (C10-C28)	ND	50	ug/l							
Surrogate: n-Octacosane	*180*		*ug/l*	*200*		*90*	*45-120*			
LCS Analyzed: 10/10/2011 (11J0993-BS1)										**MNR1**
DRO (C10-C28)	713	50	ug/l	1000		71	40-115			
Surrogate: n-Octacosane	*165*		*ug/l*	*200*		*83*	*45-120*			
LCS Dup Analyzed: 10/10/2011 (11J0993-BSD1)										
DRO (C10-C28)	721	50	ug/l	1000		72	40-115	1	25	
Surrogate: n-Octacosane	*168*		*ug/l*	*200*		*84*	*45-120*			

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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: 11J1389 Extracted: 10/12/11										
Blank Analyzed: 10/12/2011 (11J1389-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	50	ug/l							
Surrogate: Dibromofluoromethane	*26.1*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: Toluene-d8	*26.7*		*ug/l*	*25.0*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.7*		*ug/l*	*25.0*		*107*	*80-120*			
LCS Analyzed: 10/12/2011 (11J1389-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	447	50	ug/l	500		89	55-130			
Surrogate: Dibromofluoromethane	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: Toluene-d8	*27.1*		*ug/l*	*25.0*		*108*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.6*		*ug/l*	*25.0*		*110*	*80-120*			
Matrix Spike Analyzed: 10/12/2011 (11J1389-MS1)					**Source: IUJ0866-01**					
Volatile Fuel Hydrocarbons (C4-C12)	1410	50	ug/l	1720	ND	82	50-145			
Surrogate: Dibromofluoromethane	*26.0*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: Toluene-d8	*27.1*		*ug/l*	*25.0*		*108*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.6*		*ug/l*	*25.0*		*110*	*80-120*			
Matrix Spike Dup Analyzed: 10/12/2011 (11J1389-MSD1)					**Source: IUJ0866-01**					
Volatile Fuel Hydrocarbons (C4-C12)	1320	50	ug/l	1720	ND	76	50-145	7	20	
Surrogate: Dibromofluoromethane	*25.6*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: Toluene-d8	*26.9*		*ug/l*	*25.0*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.5*		*ug/l*	*25.0*		*110*	*80-120*			

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Report Number: IUJ0866

Sampled: 10/03/11
Received: 10/06/11

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: 11J1389 Extracted: 10/12/11										
Blank Analyzed: 10/12/2011 (11J1389-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	*26.7*		*ug/l*	*25.0*		*107*	*80-120*			
Surrogate: Dibromofluoromethane	*26.1*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: Toluene-d8	*26.7*		*ug/l*	*25.0*		*107*	*80-120*			
LCS Analyzed: 10/12/2011 (11J1389-BS1)										
Benzene	25.1	0.50	ug/l	25.0		100	70-120			
Ethylbenzene	30.4	0.50	ug/l	25.0		122	75-125			
Toluene	27.9	0.50	ug/l	25.0		111	70-120			
m,p-Xylenes	61.6	1.0	ug/l	50.0		123	75-125			
o-Xylene	30.1	0.50	ug/l	25.0		121	75-125			
Xylenes, Total	91.8	1.0	ug/l	75.0		122	70-125			
Methyl-tert-butyl Ether (MTBE)	29.3	1.0	ug/l	25.0		117	60-135			
tert-Butanol (TBA)	139	10	ug/l	125		112	70-135			
Surrogate: 4-Bromofluorobenzene	*27.0*		*ug/l*	*25.0*		*108*	*80-120*			
Surrogate: Dibromofluoromethane	*25.2*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Toluene-d8	*27.4*		*ug/l*	*25.0*		*110*	*80-120*			
Matrix Spike Analyzed: 10/12/2011 (11J1389-MS1)					**Source: IUJ0866-01**					
Benzene	25.7	0.50	ug/l	25.0	ND	103	65-125			
Ethylbenzene	30.9	0.50	ug/l	25.0	ND	124	65-130			
Toluene	28.5	0.50	ug/l	25.0	ND	114	70-125			
m,p-Xylenes	62.4	1.0	ug/l	50.0	ND	125	65-130			
o-Xylene	30.8	0.50	ug/l	25.0	ND	123	65-125			
Xylenes, Total	93.2	1.0	ug/l	75.0	ND	124	60-130			
Methyl-tert-butyl Ether (MTBE)	31.6	1.0	ug/l	25.0	ND	126	55-145			
tert-Butanol (TBA)	142	10	ug/l	125	ND	114	65-140			
Surrogate: 4-Bromofluorobenzene	*27.6*		*ug/l*	*25.0*		*110*	*80-120*			
Surrogate: Dibromofluoromethane	*26.0*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: Toluene-d8	*27.1*		*ug/l*	*25.0*		*108*	*80-120*			

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Attention: Lorin King

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Report Number: IUJ0866

Sampled: 10/03/11
Received: 10/06/11

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: 11J1389 Extracted: 10/12/11										
Matrix Spike Dup Analyzed: 10/12/2011 (11J1389-MSD1)					**Source: IUJ0866-01**					
Benzene	24.2	0.50	ug/l	25.0	ND	97	65-125	6	20	
Ethylbenzene	29.4	0.50	ug/l	25.0	ND	118	65-130	5	20	
Toluene	27.1	0.50	ug/l	25.0	ND	108	70-125	5	20	
m,p-Xylenes	58.8	1.0	ug/l	50.0	ND	118	65-130	6	25	
o-Xylene	29.0	0.50	ug/l	25.0	ND	116	65-125	6	20	
Xylenes, Total	87.8	1.0	ug/l	75.0	ND	117	60-130	6	20	
Methyl-tert-butyl Ether (MTBE)	28.8	1.0	ug/l	25.0	ND	115	55-145	9	25	
tert-Butanol (TBA)	137	10	ug/l	125	ND	110	65-140	4	25	
Surrogate: 4-Bromofluorobenzene	*27.5*		*ug/l*	*25.0*		*110*	*80-120*			
Surrogate: Dibromofluoromethane	*25.6*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: Toluene-d8	*26.9*		*ug/l*	*25.0*		*107*	*80-120*			

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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.

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 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: 10/3/11

PAGE: 1 of 1

PO #: 40-40347373

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: 680 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.: 111023-PH2

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

TELEPHONE: 310-995-4455 x 108

FAX: 310-637-5802

E-MAIL: jking@blainetech.com

SAMPLER NAME(S) (Print): P. Harms

LAB USE ONLY: 105086

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 (8260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B)	BTEX + 5 OXYs (MTBE, TBA, DIPE, TAME, ETBE) 8260B	Full VOC list (8260B)	Single Compound: _____ (8260B)	1,2-DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	Total Oil & Grease (1664A)	Container PID Readings or Laboratory Notes
	MW-1	10/3/11	1030	W	X			X		5	X	X				X									
	MW-4	10/3/11	1120	W	X			X		5	X	X				X									

TEMPERATURE ON RECEIPT C°: 3.3C

10/7/11 16:20

	Relinquished by: (Signature)	Received by: (Signature)	Date	Time
		(Sample custodian)	10/3/11	1350
		TASF	10/5/11	0835
			10/05/11	0955

Phillie H / TASF 10/5/11 - 1630

05/2/06 Revision