



**CONESTOGA-ROVERS
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TRANSMITTAL

DATE: October 20, 2011 REFERENCE NO.: 240669
PROJECT NAME: 5251 Hopyard Road, Pleasanton
TO: Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

RECEIVED
11:20 am, Oct 26, 2011
Alameda County
Environmental Health

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Sent via: Mail Same Day Courier
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QUANTITY	DESCRIPTION
1	Groundwater Monitoring Report - Third Quarter 2011

As Requested For Review and Comment
 For Your Use _____

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

Copy to: Denis Brown, Shell Oil Products US (electronic copy)
Carl Cox, C and J Cox Corporation, 4431 Stoneridge Drive, Pleasanton, CA 94588
Colleen Winey, Zone 7 Water Agency, 100 North Canyons Parkway, Livermore, CA 94551
Danielle Stefani, Livermore-Pleasanton Fire Department, 3560 Nevada Street, Pleasanton, CA 94566-6267

Completed by: Peter Schaefer Signed: *Peter Schaefer*

Filing: **Correspondence File**



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

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

Re: Shell-branded Service Station
5251 Hopyard Road
Pleasanton, California
SAP Code 135785
Incident No. 98995843
ACEH Case No. RO0000194

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,

A handwritten signature in black ink, appearing to read "Denis L. Brown", is written over a horizontal line.

Denis L. Brown
Senior Program Manager



GROUNDWATER MONITORING REPORT - THIRD QUARTER 2011

**SHELL-BRANDED SERVICE STATION
5251 HOPYARD ROAD
PLEASANTON, CALIFORNIA**

**SAP CODE 135785
INCIDENT NO. 98995843
AGENCY NO. RO0000194**

**OCTOBER 20, 2011
REF. NO. 240669 (2)**

This report is printed on recycled paper.

**Prepared by:
Conestoga-Rovers
& Associates**

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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	5251 Hopyard 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.	RO0000194
Shell SAP Code	135785
Shell Incident No.	98995843

Date of most recent agency correspondence was August 29, 2011 (electronic).

2.0 SITE ACTIVITIES, FINDINGS, AND DISCUSSION

2.1 CURRENT QUARTER'S ACTIVITIES

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

CRA prepared a vicinity map (Figure 1), a groundwater contour and chemical concentration map (Figure 2), and groundwater data tables (Tables 1 and 2). 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	Variable
----------------------------	----------

Hydraulic Gradient

Variable

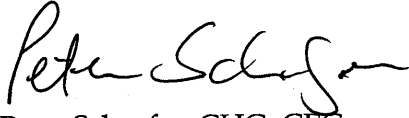
Depth to Water

7.19 to 9.26 feet below top of well casing

2.3 PROPOSED ACTIVITIES

Per Shell's and CRA's August 29, 2011 electronic correspondence with Alameda County Environmental Health (ACEH), on behalf of Shell, we respectfully request closure of this case. CRA requests that ACEH suspend the groundwater monitoring program during the closure review.

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



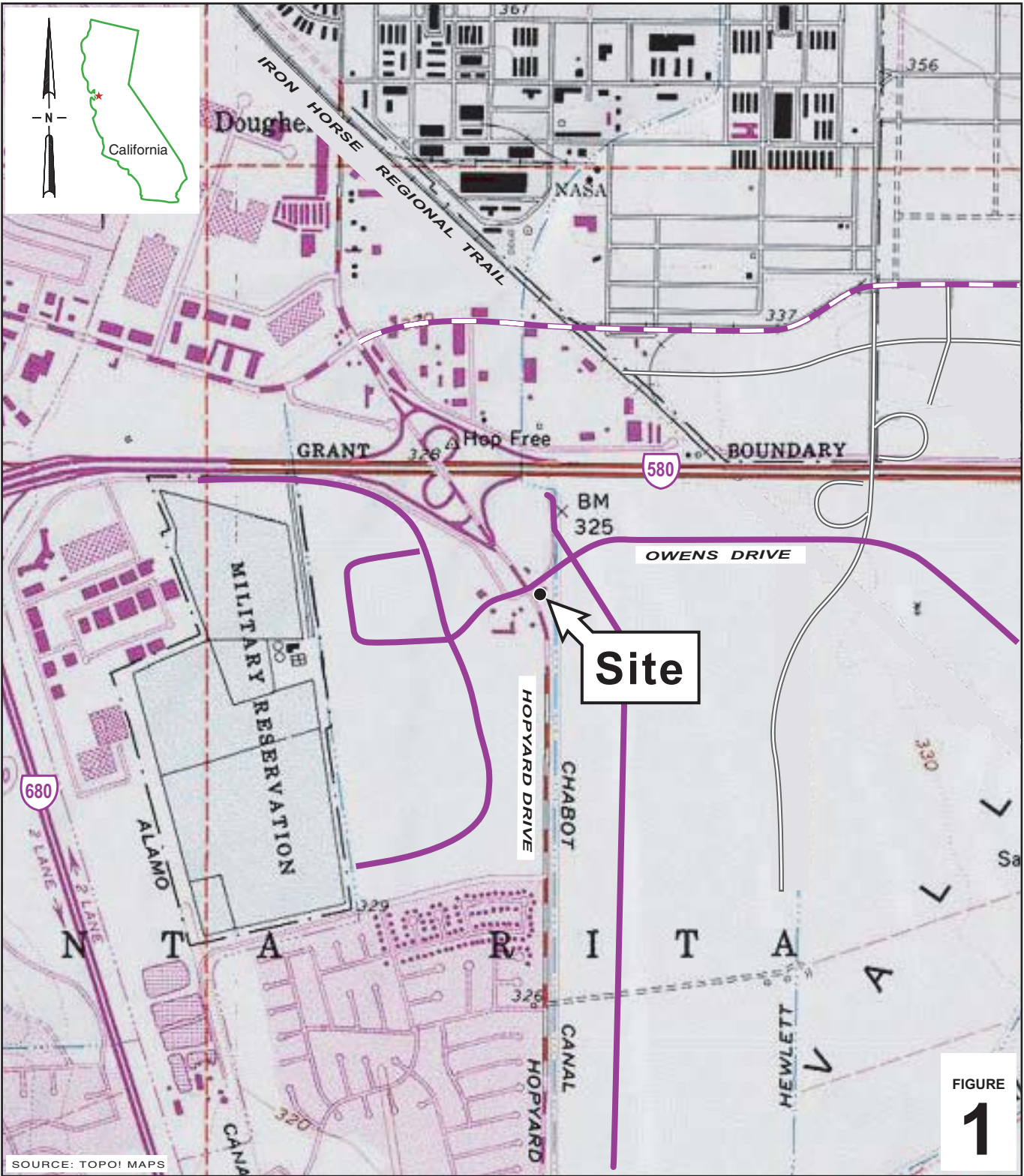
Peter Schaefer, CHG, CEG



Aubrey K. Cool, PG



FIGURES



Shell-branded Service Station

5251 Hopyard Road
Pleasanton, California



CONESTOGA-ROVERS
& ASSOCIATES

Vicinity Map

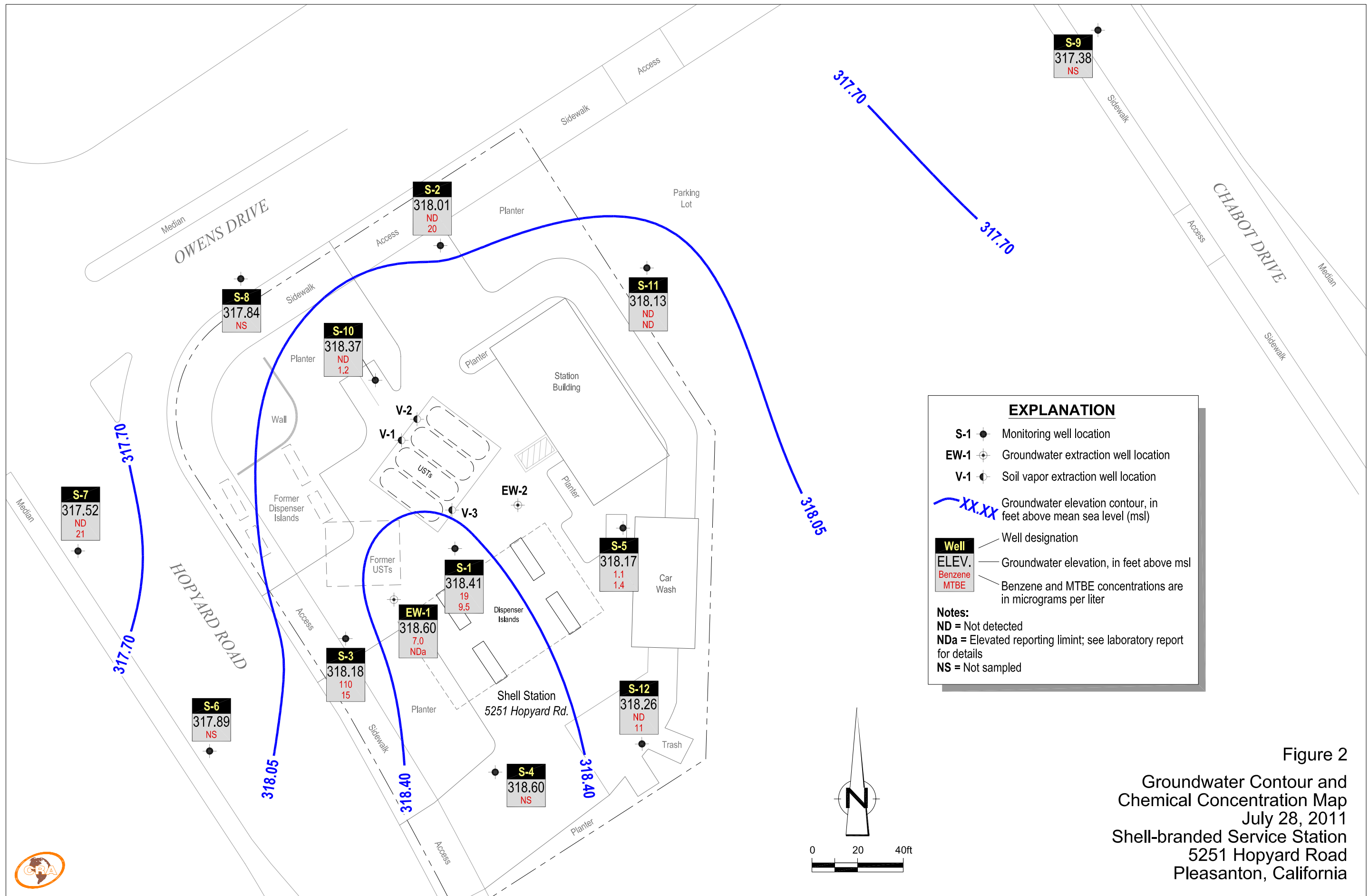


Figure 2
 Groundwater Contour and
 Chemical Concentration Map
 July 28, 2011
 Shell-branded Service Station
 5251 Hopyard Road
 Pleasanton, California



TABLES

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
5251 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (m/L)
S-1	01/25/1991	1,500	2,500	460	<25	130	36	---	---	---	---	---	---	---	326.73	---	---	---
S-1	04/06/1991	2,600 a	6,700	2,600	14	580	250	---	---	---	---	---	---	---	326.73	---	---	---
S-1	07/24/1991	3,800 a	8,800	2,300	30	640	220	---	---	---	---	---	---	---	326.73	---	---	---
S-1	10/18/1991	3,300 a	12,000	3,600	380	990	580	---	---	---	---	---	---	---	326.73	8.85	317.88	---
S-1	01/23/1992	890	1,600	450	3	120	17	---	---	---	---	---	---	---	326.73	---	---	---
S-1	04/27/1992	500 a	1,100 g	610	<10	110	10	---	---	---	---	---	---	---	326.73	---	---	---
S-1	07/21/1992	290 c	5,100	1,900	54	460	140	---	---	---	---	---	---	---	326.73	---	---	---
S-1	10/16/1992	390 c	13,000	3,200	310	780	360	---	---	---	---	---	---	---	326.73	---	---	---
S-1	01/23/1993	30 d	2,300	640	<5.0	110	13	---	---	---	---	---	---	---	326.73	7.96	318.77	---
S-1	04/28/1993	390	4,600	780	<0.50	250	<0.50	---	---	---	---	---	---	---	326.73	9.07	317.66	---
S-1	09/22/1993	610 a	3,000	660	28	160	17	---	---	---	---	---	---	---	326.73	8.68	318.05	---
S-1	12/08/1993	280	520	210	<2.5	49	<2.5	---	---	---	---	---	---	---	326.73	8.23	318.50	---
S-1	03/04/1994	---	640	190	1.4	18	1.3	---	---	---	---	---	---	---	326.73	8.81	317.92	---
S-1 (D)	03/04/1994	---	640	180	1.7	17	1.3	---	---	---	---	---	---	---	326.73	8.81	317.92	---
S-1	06/16/1994	---	2,500	390	9.5	31	7.5	---	---	---	---	---	---	---	326.73	8.80	317.93	---
S-1 (D)	06/16/1994	---	2,000	410	7.8	120	20	---	---	---	---	---	---	---	326.73	8.80	317.93	---
S-1	09/13/1994	---	1,400	310	7.7	29	8.5	---	---	---	---	---	---	---	326.73	8.62	318.11	---
S-1 (D)	09/13/1994	---	1,400	240	7.9	44	6.3	---	---	---	---	---	---	---	326.73	8.62	318.11	---
S-1	05/05/1995	---	800	120	3.6	26	2.7	---	---	---	---	---	---	---	326.73	11.54	315.19	---
S-1 (D)	05/05/1995	---	710	110	3.4	19	2.7	---	---	---	---	---	---	---	326.73	11.54	315.19	---
S-1	05/21/1996	---	1,500	170	8.5	120	6.7	---	---	---	---	---	---	---	326.73	8.88	317.85	---
S-1	05/12/1997	---	4,700	200	15	210	20	2,300	---	---	---	---	---	---	326.73	11.19	315.54	2.4
S-1 (D)	05/12/1997	---	4,800	210	16	190	16	3,200	2,900	---	---	---	---	---	326.73	11.19	315.54	2.4
S-1	05/08/1998	---	500	18	2.1	2.3	2.0	1,000	---	---	---	---	---	---	326.73	8.38	318.35	2.1
S-1	06/27/1999	---	2,970	117	32.0	69.1	17.5	374	---	---	---	---	---	---	326.73	8.79	317.94	2.4
S-1	04/28/2000	---	1,920	50.5	15.0	67.2	46.7	276	---	---	---	---	---	---	326.73	8.50	318.23	2.8
S-1	05/30/2001	---	3,900	27	12	140	28	---	140	---	---	---	---	---	326.73	8.18	318.55	2.6
S-1	06/17/2002	---	2,700	25	11	51	14	---	140	---	---	---	---	---	326.73	8.39	318.34	3.2
S-1	05/30/2003	---	3,900	12	8.2	47	12	---	270	---	---	---	---	---	326.74	7.41	319.33	1.2
S-1	05/03/2004	---	3,700	32	21	170	34	---	410	---	---	---	---	---	326.74	11.18	315.56	2.4
S-1	01/14/2005	---	4,200	22	34	380	33	---	100	---	---	---	---	---	326.74	7.10	319.64	0.58
S-1	05/05/2005	---	5,000	33	110	970	210	---	190	630	<0.50	<0.50	0.95	---	326.74	11.32	315.42	---

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
5251 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE		TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (m/L)
								8020 (µg/L)	8260 (µg/L)									
S-1	08/05/2005	---	4,600 l	321	521	420 l	691	---	110 l	410 l	<40 l	<40 l	<40 l	---	326.74	9.04	317.70	---
S-1	09/16/2005	---	3,300	14	28	280	43	---	60	260	51	<10	<10	---	326.74	11.37	315.37	---
S-1	11/08/2005	---	4,700	19.2	47.0	416	84.0	---	50.2	<10.0	<0.500	<0.500	<0.500	---	326.74	9.06	317.68	---
S-1	01/31/2006	---	6,380	21.0	33.1	280	31.0	---	59.9	306	<0.500	<0.500	<0.500	---	326.74	8.12	318.62	---
S-1	05/16/2006	---	9,080	25.8	46.6	517	86.6 m	---	69.5	268	<0.500	<0.500	<0.500	---	326.74	7.95	318.79	---
S-1	08/23/2006	---	4,980	19.0	22.7	74.7	38.7	---	42.9	252	<0.500	<0.500	<0.500	---	326.74	7.95	318.79	---
S-1	11/13/2006	---	7,900	38	41	480	52	---	44	480	<5.0	<5.0	<5.0	---	326.74	7.99	318.75	---
S-1	02/01/2007	---	1,500	18	15	110	17	---	27	640	<10	<10	<10	---	326.74	8.19	318.55	---
S-1	05/23/2007	---	5,300 n	35	42	260	67.9	---	<5.0	720	<10	<10	<10	---	326.74	10.50	316.24	---
S-1	08/07/2007	---	6,900 n	26	31	240	40.9 o	---	30	270	<10	<10	<10	---	326.74	8.13	318.61	---
S-1	11/29/2007	---	840 n	16	18	120	14.5	---	26	190	<2.0	<2.0	<2.0	---	326.74	9.40	317.34	---
S-1	02/08/2008	---	4,500 n	25	39	410	37	---	28	330	<10	<10	<10	---	326.74	7.91	318.83	---
S-1	02/20/2008	---	5,700 n	29	56	650	89	---	35	200	<10	<10	<10	<500	326.74	8.70	318.04	---
S-1	03/07/2008	---	6,800 n	25	37	310	59.2	---	<5.0	240	<10	<10	<10	<500	326.74	10.54	316.20	---
S-1	03/21/2008	---	5,300	22	23	210	38.7	---	<2.0	220	<4.0	<4.0	<4.0	<200	326.74	9.79	316.95	---
S-1	04/08/2008	---	4,200	15	18	230	26.4	---	<2.0	240	<4.0	<4.0	<4.0	<200	326.74	8.27	318.47	---
S-1	04/21/2008	---	6,600	21	27	440	53	---	<2.0	170	<4.0	<4.0	<4.0	<200	326.74	8.17	318.57	---
S-1	05/06/2008	---	5,700	21	29	440	56	---	<5.0	270	<10	<10	<10	<500	326.74	8.00	318.74	---
S-1	05/21/2008	---	7,800	29	51	620	108	---	40	190	<10	<10	<10	<500	326.74	8.27	318.47	---
S-1	08/06/2008	---	7,600	17	27	140	30	---	24	180	<10	<10	<10	---	326.74	8.01	318.73	---
S-1	11/18/2008	---	6,500	27	35	310	45.0	---	22	180	<20	<20	<20	---	326.74	7.59	319.15	---
S-1	01/20/2009	---	5,100	19	21	140	22	---	21	230	<10	<10	<10	---	326.74	8.28	318.46	---
S-1	05/06/2009	---	6,100	26	37	520	51	---	27	180	<10	<10	<10	---	326.74	8.04	318.70	---
S-1	07/06/2009	---	5,800	25	34	370	44	---	22	180	<10	<10	<10	---	326.74	8.42	318.32	---
S-1	02/09/2010	---	8,800	18	33	340	37	---	13	66	---	---	---	---	326.74	8.18	318.56	---
S-1	08/12/2010	Unable to access	---	---	---	---	---	---	---	---	---	---	---	---	326.74	---	---	---
S-1	08/18/2010	---	4,000	15	26	87	34	---	10	---	---	---	---	---	326.74	7.92	318.82	---
S-1	02/01/2011	---	5,900 q	13	21	38	21	---	14	56	---	---	---	---	326.74	7.91	318.83	---
S-1	07/28/2011	---	8,800	19	37	120	46	---	9.5	43	---	---	---	---	326.74	8.33	318.41	---
S-2	01/25/1991	<50	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	326.59	---	---	---
S-2	04/16/1991	<50	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	326.59	---	---	---

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
5251 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE		TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (m/L)
								8020 (µg/L)	8260 (µg/L)									
S-2	07/24/1991	<50	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	326.59	--	--	--
S-2	10/18/1991	<50	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	326.59	8.83	317.76	--
S-2	01/23/1992	<50	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	326.59	--	--	--
S-2	04/27/1992	<50	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	326.59	--	--	--
S-2	07/17/1992	<50	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	326.59	--	--	--
S-2	10/16/1992	<50	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	326.59	--	--	--
S-2	01/23/1993	140 b	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	326.59	8.10	318.49	--
S-2	04/28/1993	<50	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	326.59	9.06	317.53	--
S-2	09/22/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	326.59	8.91	317.68	--
S-2	12/08/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	326.59	9.07	317.52	--
S-2	03/04/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	326.59	8.90	317.69	--
S-2	06/16/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	326.59	8.98	317.61	--
S-2	09/13/1994	--	<50	<0.50	2.5	<0.50	<0.50	--	--	--	--	--	--	--	326.59	8.78	317.81	--
S-2	05/05/1995	--	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	326.59	8.60	317.99	--
S-2	05/21/1996	--	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	326.59	8.75	317.84	--
S-2	05/12/1997	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--	326.59	8.72	317.87	3.4
S-2	05/08/1998	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--	326.59	8.63	317.96	3.1
S-2	06/27/1999	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	--	--	--	--	--	--	326.59	8.79	317.80	2.6
S-2	04/28/2000	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--	--	--	--	--	326.59	8.33	318.26	2.0
S-2	05/30/2001	--	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	--	--	--	--	--	326.59	8.56	318.03	1.8
S-2	06/17/2002	--	<50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	--	--	--	--	326.59	8.87	317.72	--
S-2	05/30/2003	--	<50	<0.50	<0.50	<0.50	<1.0	--	18	--	--	--	--	--	326.47	7.89	318.58	1.7
S-2	05/03/2004	--	<250	<2.5	<2.5	<2.5	<5.0	--	510	--	--	--	--	--	326.47	5.44	321.03	0.1
S-2	01/14/2005	--	<250	<2.5	<2.5	<2.5	<5.0	--	270	--	--	--	--	--	326.47	7.88	318.59	--
S-2	05/05/2005	--	<50	<0.50	<0.50	<0.50	<0.50	--	280	8.9 j	<0.50	<0.50	0.55	--	326.47	8.14	318.33	--
S-2	08/05/2005	--	<50 l	<0.50 l	<0.50 l	<0.50 l	<1.0 l	--	320 l	510 l	<2.0 l	<2.0 l	<2.0 l	--	326.47	8.24	318.23	--
S-2	09/16/2005	--	<250	<2.5	<2.5	<2.5	<5.0	--	320	1,800	<10	<10	<10	--	326.47	8.06	318.41	--
S-2	11/08/2005	--	<50.0	<0.500	<0.500	<0.500	<0.500	--	375	1,130	<0.500	<0.500	0.610	--	326.47	8.20	318.27	--
S-2	01/31/2006	--	281	<0.500	<0.500	<0.500	<0.500	--	354	3,090	<0.500	<0.500	<0.500	--	326.47	8.18	318.29	--
S-2	05/16/2006	--	785	<0.500	<0.500	<0.500	<0.500	--	282	3,250	<0.500	<0.500	<0.500	--	326.47	8.34	318.13	--
S-2	08/23/2006	--	344	<0.500	<0.500	<0.500	<0.500	--	194	10,600	<0.500	<0.500	0.560	--	326.47	8.32	318.15	--
S-2	11/13/2006	--	320	<5.0 f	<5.0 f	<5.0 f	<5.0 f	--	140 f	6,000 f	<5.0 f	<5.0 f	<5.0 f	--	326.50	8.37	318.13	--

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
5251 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (m/L)
S-2	02/01/2007	--	160	<0.50	<0.50	<0.50	<1.0	--	130	3,900	<2.0	<2.0	<2.0	--	326.50	8.13	318.37	--
S-2	05/23/2007	--	120 n	<0.50	<1.0	<1.0	<1.0	--	110	1,500	<2.0	<2.0	<2.0	--	326.50	8.55	317.95	--
S-2	08/07/2007	--	93 n,p	<2.5	<5.0	<5.0	<5.0	--	120	1,700	<10	<10	<10	--	326.50	8.26	318.24	--
S-2	11/29/2007	--	110 n,p	<0.50	<1.0	<1.0	<1.0	--	98	880	<2.0	<2.0	<2.0	--	326.50	8.29	318.21	--
S-2	02/08/2008	--	110 n,p	<0.50	<1.0	<1.0	<1.0	--	110	830	<2.0	<2.0	<2.0	--	326.50	8.07	318.43	--
S-2	02/20/2008	--	73 n,p	<0.50	<1.0	<1.0	<1.0	--	100	650	<2.0	<2.0	<2.0	<100	326.50	8.30	318.20	--
S-2	03/07/2008	--	<50 n	<0.50	<1.0	<1.0	<1.0	--	57	240	<2.0	<2.0	<2.0	<100	326.50	9.25	317.25	--
S-2	03/21/2008	--	73	<0.50	<1.0	<1.0	<1.0	--	91	480	<2.0	<2.0	<2.0	<100	326.50	9.01	317.49	--
S-2	04/08/2008	--	88	<0.50	<1.0	<1.0	<1.0	--	72	310	<2.0	<2.0	<2.0	<100	326.50	8.46	318.04	--
S-2	04/21/2008	--	60	<0.50	<1.0	<1.0	<1.0	--	8.6	310	<2.0	<2.0	<2.0	<100	326.50	9.60	316.90	--
S-2	05/06/2008	--	62	<0.50	<1.0	<1.0	<1.0	--	53	300	<2.0	<2.0	<2.0	<100	326.50	10.55	315.95	--
S-2	05/21/2008	--	130	<0.50	<1.0	<1.0	<1.0	--	61	320	<2.0	<2.0	<2.0	<100	326.50	9.43	317.07	--
S-2	08/06/2008	--	76	<0.50	<1.0	<1.0	<1.0	--	46	77	<2.0	<2.0	<2.0	--	326.50	8.41	318.09	--
S-2	11/18/2008	--	<50	<0.50	<1.0	<1.0	<1.0	--	42	18	<2.0	<2.0	<2.0	--	326.50	8.38	318.12	--
S-2	01/20/2009	--	57	<0.50	<1.0	<1.0	<1.0	--	46	13	<2.0	<2.0	<2.0	--	326.50	8.64	317.86	--
S-2	05/06/2009	--	64	<0.50	<1.0	<1.0	<1.0	--	58	<10	<2.0	<2.0	<2.0	--	326.50	8.31	318.19	--
S-2	07/06/2009	--	110	<0.50	<1.0	<1.0	<1.0	--	59	<10	<2.0	<2.0	<2.0	--	326.50	8.53	317.97	--
S-2	02/09/2010	--	62	<0.50	<1.0	<1.0	<1.0	--	42	<10	--	--	--	--	326.50	8.20	318.30	--
S-2	08/12/2010	Unable to access		--	--	--	--	--	--	--	--	--	--	--	326.50	--	--	--
S-2	08/18/2010	--	<50	<0.50	<1.0	<1.0	<1.0	--	24	--	--	--	--	--	326.50	8.40	318.10	--
S-2	02/01/2011	--	<50	<0.50	<0.50	<0.50	<1.0	--	6.9	<10	--	--	--	--	326.50	8.39	318.11	--
S-2	07/28/2011	--	<50	<0.50	<0.50	<0.50	<1.0	--	20	<10	--	--	--	--	326.50	8.49	318.01	--
S-3	01/25/1991	330	870	230	<2.5	130	<2.5	--	--	--	--	--	--	--	327.38	--	--	--
S-3	04/16/1991	140 a	190	12	0.80	6.2	1.5	--	--	--	--	--	--	--	327.38	--	--	--
S-3	07/24/1991	1,200 a	1,700	450	4.4	150	2.9	--	--	--	--	--	--	--	327.38	--	--	--
S-3	10/18/1991	500	1,900	370	3.1	120	220	--	--	--	--	--	--	--	327.38	9.64	317.74	--
S-3	01/23/1992	650 a	2,000	580	3.0	200	<0.5	--	--	--	--	--	--	--	327.38	--	--	--
S-3	04/27/1992	230 a	1,100	150	<3.0	76	14	--	--	--	--	--	--	--	327.38	--	--	--
S-3	07/17/1992	58	810	200	<2.5	57	3.8	--	--	--	--	--	--	--	327.38	--	--	--
S-3	10/16/1992	190 c	440	79	1.8	18	4.6	--	--	--	--	--	--	--	327.38	--	--	--
S-3	01/23/1993	170 d	670	79	1.5	46	15	--	--	--	--	--	--	--	327.38	8.81	318.57	--

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
5251 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE		TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (m/L)
								8020 (µg/L)	8260 (µg/L)									
S-3	04/28/1993	<50	2,000	300	3.4	210	38	---	---	---	---	---	---	---	327.38	9.87	317.51	---
S-3	09/22/1993	670 a	4,800	2,000	34	150	51	---	---	---	---	---	---	---	327.38	9.65	317.73	---
S-3	12/08/1993	11	1,200	440	<5.0	120	29	---	---	---	---	---	---	---	327.38	9.26	318.12	---
S-3	03/04/1994	---	630	130	<0.50	17	0.80	---	---	---	---	---	---	---	327.38	9.64	317.74	---
S-3	06/16/1994	---	1,800	430	19	35	21	---	---	---	---	---	---	---	327.38	9.78	317.60	---
S-3	05/05/1995	---	160	50	0.90	7.2	4.1	---	---	---	---	---	---	---	327.38	9.38	318.00	---
S-3	05/21/1996	---	270	45	<0.50	1.4	<0.50	---	---	---	---	---	---	---	327.38	9.41	317.97	---
S-3 (D)	05/21/1996	---	210	<0.5	<0.50	0.95	<0.50	---	---	---	---	---	---	---	327.38	9.41	317.97	---
S-3	05/12/1997	---	420	<1.0	<1.0	<1.0	<1.0	57	---	---	---	---	---	---	327.38	9.30	318.08	2.5
S-3	05/08/1998	---	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	327.38	9.12	318.26	2.2
S-3	06/27/1999	---	106	8.51	<0.500	<0.500	<0.500	31.0	---	---	---	---	---	---	327.38	9.39	317.99	2.1
S-3	04/28/2000	---	139	7.58	<0.500	<0.500	<0.500	42.6	---	---	---	---	---	---	327.38	9.04	318.34	1.8
S-3	05/30/2001	---	2,200	510	6.9	100	21	---	33	---	---	---	---	---	327.38	9.19	318.19	2.0
S-3	06/17/2002	---	600	150	2.1	30	11	---	36	---	---	---	---	---	327.38	9.35	318.03	0.1
S-3	05/30/2003	---	<50	<0.50	<0.50	<0.50	<1.0	---	9.0	---	---	---	---	---	327.04	8.39	318.65	1.2
S-3	05/03/2004	---	61 k	0.90	<0.50	<0.50	<1.0	---	9.8	---	---	---	---	---	327.04	8.73	318.31	1.2
S-3	01/14/2005	---	94	4.6	<0.50	3.1	1.0	---	13	---	---	---	---	---	327.04	8.00	319.04	---
S-3	05/05/2005	---	<50	<0.50	<0.50	<0.50	<0.50	---	5.7	<5.0	<0.50	<0.50	<0.50	---	327.04	8.31	318.73	---
S-3	08/05/2005 l	---	<50 l	0.51 l	<0.50 l	<0.50 l	<1.0 l	---	6.0 l	42 l	<2.0 l	<2.0 l	<2.0 l	---	327.04	8.32	318.72	---
S-3	09/16/2005	---	<50	0.62	<0.50	<0.50	<1.0	---	7.9	<5.0	<2.0	<2.0	<2.0	---	327.04	8.29	318.75	---
S-3	11/08/2005	---	166	63.0	1.32	7.20	2.99	---	8.67	<10.0	<0.500	<0.500	<0.500	---	327.04	8.17	318.87	---
S-3	01/31/2006	---	<50.0	<0.500	<0.500	<0.500	<0.500	---	7.05	<10.0	<0.500	<0.500	<0.500	---	327.04	8.05	318.99	---
S-3	05/16/2006	---	<50.0	3.23	<0.500	1.42	1.63 m	---	3.92	<10.0	<0.500	<0.500	<0.500	---	327.04	8.62	318.42	---
S-3	08/23/2006	---	<50.0	18.9	<0.500	1.72	0.800	---	7.65	<10.0	<0.500	<0.500	<0.500	---	327.04	8.54	318.50	---
S-3	11/13/2006	---	530	130 f	3.4 f	10 f	4.6 f	---	17 f	<80 f	<2.0 f	<2.0 f	<2.0 f	---	327.01	8.65	318.36	---
S-3	02/01/2007	---	430	230	4.4	4.0	<5.0	---	17	<25	<10	<10	<10	---	327.01	8.41	318.60	---
S-3	05/23/2007	---	1,400 n	370	11	17	11.58 o	---	21	12	<2.0	<2.0	<2.0	---	327.01	8.37	318.64	---
S-3	08/07/2007	---	1,000 n	150	4.6 o	4.1 o	4.0 o	---	21	<50	<10	<10	<10	---	327.01	8.59	318.42	---
S-3	11/29/2007	---	710 n	110	3.1	3.8	5.3 o	---	17	<10	<2.0	<2.0	<2.0	---	327.01	8.78	318.23	---
S-3	02/08/2008	---	300 n	2.7	<1.0	<1.0	<1.0	---	19	<10	<2.0	<2.0	<2.0	---	327.01	8.05	318.96	---
S-3	02/20/2008	---	620 n	150	4.1	11	11	---	19	<10	<2.0	<2.0	<2.0	<100	327.01	8.57	318.44	---
S-3	03/07/2008	---	170 n	15	<1.0	2.5	4.0	---	12	<10	<2.0	<2.0	<2.0	<100	327.01	8.87	318.14	---

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
5251 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (m/L)
S-3	03/21/2008	--	68	4.8	<1.0	1.3	1.6	--	8.6	<10	<2.0	<2.0	<2.0	<100	327.01	9.00	318.01	--
S-3	04/08/2008	--	170	7.8	<1.0	2.6	4.0	--	8.1	<10	<2.0	<2.0	<2.0	<100	327.01	8.55	318.46	--
S-3	04/21/2008	--	350	2.8	<1.0	1.2	1.9	--	12	<10	<2.0	<2.0	<2.0	<100	327.01	8.65	318.36	--
S-3	05/06/2008	--	210	2.3	<1.0	<1.0	<1.0	--	9.1	<10	<2.0	<2.0	<2.0	<100	327.01	8.60	318.41	--
S-3	05/21/2008	--	430	21	<1.0	3.5	4.2	--	17	<10	<2.0	<2.0	<2.0	<100	327.01	8.81	318.20	--
S-3	08/06/2008	--	210	<0.50	<1.0	<1.0	<1.0	--	13	11	<2.0	<2.0	<2.0	--	327.01	8.71	318.30	--
S-3	11/18/2008	--	930	130	3.5	15	19	--	18	10	<2.0	<2.0	<2.0	--	327.01	8.79	318.22	--
S-3	01/20/2009	--	950	100	1.2	1.8	<1.0	--	18	16	<2.0	<2.0	<2.0	--	327.01	9.10	317.91	--
S-3	05/06/2009	--	2,000	490	5.9	14	4.8	--	21	14	<2.0	<2.0	<2.0	--	327.01	8.51	318.50	--
S-3	07/06/2009	--	2,300	500	10	30	13	--	21	<50	<10	<10	<10	--	327.01	8.80	318.21	--
S-3	02/09/2010	--	1,400	180	4.7	11	13	--	12	32	--	--	--	--	327.01	8.36	318.65	--
S-3	08/12/2010	--	1,300	270	3.5	47	46	--	4.5	21	--	--	--	--	327.01	8.46	318.55	--
S-3	08/18/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	327.01	8.43	318.58	--
S-3	02/01/2011	--	900	<0.50	<0.50	<0.50	<1.0	--	8.8	20	--	--	--	--	327.01	8.75	318.26	--
S-3	07/28/2011	--	1,100	110	1.0	23	3.2	--	15	22	--	--	--	--	327.01	8.83	318.18	--
S-4	01/25/1991	<50	<50	<0.50	1.5	<0.50	2.8	--	--	--	--	--	--	--	327.38	--	--	--
S-4	04/16/1991	0.7	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	327.38	--	--	--
S-4	07/24/1991	<50	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	327.38	--	--	--
S-4	10/18/1991	<50	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	327.38	8.82	318.56	--
S-4	01/23/1992	<50	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	327.38	--	--	--
S-4	04/27/1992	<50	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	327.38	--	--	--
S-4	07/17/1992	74	<500	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	327.38	--	--	--
S-4	10/16/1992	<50	<500	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	327.38	--	--	--
S-4	01/23/1993	94 b	<500	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	327.38	8.32	319.06	--
S-4	04/28/1993	<50	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	327.38	9.76	317.62	--
S-4	09/22/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	327.38	9.30	318.08	--
S-4	12/08/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	327.38	9.74	317.64	--
S-4	03/04/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	327.38	9.60	317.78	--
S-4	06/16/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	327.38	9.42	317.96	--
S-4	05/05/1995	--	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	327.38	9.02	318.36	--
S-4	05/21/1996	--	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	327.38	9.29	318.09	--

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
5251 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (m/L)
S-4	05/12/1997	--	<50	<0.50	<0.50	<0.50	<0.50	140	--	--	--	--	--	--	327.38	7.95	319.43	2.5
S-4	05/08/1998	--	<50	<0.50	<0.50	<0.50	<0.50	250	--	--	--	--	--	--	327.38	8.96	318.42	2.0
S-4	06/27/1999	--	303	35.8	24.8	12.4	69.8	106	--	--	--	--	--	--	327.38	8.90	318.48	2.6
S-4	04/28/2000	--	<50.0	<0.500	<0.500	<0.500	<0.500	40.2	--	--	--	--	--	--	327.38	8.37	319.01	1.9
S-4	05/30/2001	--	<50	<0.50	<0.50	<0.50	<0.50	--	6.8	--	--	--	--	--	327.38	8.83	318.55	1.8
S-4	06/17/2002	--	<50	<0.50	<0.50	<0.50	<0.50	--	31	--	--	--	--	--	327.38	9.37	318.01	4.8
S-4	05/30/2003	--	<50	<0.50	<0.50	<0.50	<1.0	--	130	--	--	--	--	--	327.24	8.46	318.78	1.4
S-4	05/03/2004	--	<50	<0.50	<0.50	<0.50	<1.0	--	170	--	--	--	--	--	327.24	8.70	318.54	1.1
S-4	01/14/2005	--	<50	<0.50	<0.50	<0.50	<1.0	--	25	--	--	--	--	--	327.24	8.17	319.07	--
S-4	05/05/2005	--	<50	<0.50	<0.50	<0.50	<0.50	--	15	<5.0	<0.50	<0.50	<0.50	--	327.24	8.25	318.99	--
S-4	08/05/2005	--	<50	<0.50	<0.50	<0.50	<1.0	--	6.1	<5.0	<2.0	<2.0	<2.0	--	327.24	8.14	319.10	--
S-4	11/08/2005	--	<50.0	<0.500	<0.500	<0.500	<0.500	--	1.01	<10.0	<0.500	<0.500	<0.500	--	327.24	8.33	318.91	--
S-4	01/31/2006	--	<50.0	<0.500	<0.500	<0.500	<0.500	--	<0.500	<10.0	<0.500	<0.500	<0.500	--	327.24	8.29	318.95	--
S-4	05/16/2006	--	<50.0	<0.500	<0.500	<0.500	<0.500	--	<0.500	<10.0	<0.500	<0.500	<0.500	--	327.24	8.46	318.78	--
S-4	08/23/2006	--	<50.0	<0.500	<0.500	<0.500	<0.500	--	<0.500	<10.0	<0.500	<0.500	<0.500	--	327.24	8.34	318.90	--
S-4	11/13/2006	--	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	<20	<0.50	<0.50	<0.50	--	327.24	8.23	319.01	--
S-4	02/01/2007	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	<5.0	<2.0	<2.0	<2.0	--	327.24	8.56	318.68	--
S-4	05/23/2007	--	<50 n	<0.50	<1.0	<1.0	<1.0	--	0.60 o	<10	<2.0	<2.0	<2.0	--	327.24	7.92	319.32	--
S-4	08/07/2007	--	<50 n	<0.50	<1.0	<1.0	<1.0	--	0.32 o	<10	<2.0	<2.0	<2.0	--	327.24	8.52	318.72	--
S-4	11/29/2007	--	<50 n	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	--	327.24	8.58	318.66	--
S-4	02/08/2008	--	<50 n	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	--	327.24	8.07	319.17	--
S-4	05/21/2008	--	<50	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	<100	327.24	8.80	318.44	--
S-4	08/06/2008	--	<50	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	--	327.24	8.73	318.51	--
S-4	11/18/2008	--	<50	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	--	327.24	8.77	318.47	--
S-4	01/20/2009	--	<50	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	--	327.24	9.32	317.92	--
S-4	05/06/2009	--	<50	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	--	327.24	8.45	318.79	--
S-4	07/06/2009	--	<50	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	--	327.24	8.79	318.45	--
S-4	02/09/2010	--	<50	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	--	--	--	--	327.24	8.59	318.65	--
S-4	08/12/2010	Unable to access		--	--	--	--	--	--	--	--	--	--	--	327.24	--	--	--
S-4	08/18/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	327.24	8.50	318.74	--
S-4	02/01/2011	--	<50	<0.50	<0.50	<0.50	<1.0	--	<1.0	<10	--	--	--	--	327.24	8.71	318.53	--
S-4	07/28/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	327.24	8.64	318.60	--

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
5251 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (m/L)
S-5	01/25/1991	<50	<50	<0.50	<0.50	<0.50	0.70	--	--	--	--	--	--	--	327.76	--	--	--
S-5	04/16/1991	<50	<50	<0.50	<0.50	<0.50	0.80	--	--	--	--	--	--	--	327.76	--	--	--
S-5	07/24/1991	<50	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	327.76	--	--	--
S-5	10/18/1991	<50	120 e	4.3	<0.50	1.0	0.70	--	--	--	--	--	--	--	327.76	10.00	317.76	--
S-5	01/23/1992	<50	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	327.76	--	--	--
S-5	04/27/1992	<50	50	<0.50	<0.50	<0.50	0.60	--	--	--	--	--	--	--	327.76	--	--	--
S-5	07/17/1992	70	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	327.76	--	--	--
S-5	10/16/1992	57	230	13	<0.50	4.9	4.3	--	--	--	--	--	--	--	327.76	--	--	--
S-5	01/23/1993	150 b	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	327.76	8.88	318.88	--
S-5	04/28/1993	<50	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	327.76	10.20	317.56	--
S-5	09/22/1993	<50	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	327.76	9.92	317.84	--
S-5	12/08/1993	<50	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	327.76	10.19	317.57	--
S-5	03/04/1994	--	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	327.76	9.95	317.81	--
S-5	06/16/1994	--	<50	0.90	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	327.76	10.02	317.74	--
S-5	05/05/1995	--	<50	<0.5	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	327.76	9.58	318.18	--
S-5	05/21/1996	--	<50	<0.5	<0.50	<0.5	<0.50	--	--	--	--	--	--	--	327.76	9.84	317.92	--
S-5	05/12/1997	--	360	3.3	<0.50	17	9.8	130	--	--	--	--	--	--	327.76	9.16	318.60	4.2
S-5	05/08/1998	--	<50	<0.50	<0.50	<0.50	<0.50	92	--	--	--	--	--	--	327.76	9.25	318.51	3.8
S-5 (D)	05/08/1998	--	<50	<0.50	<0.50	<0.50	<0.50	100	--	--	--	--	--	--	327.76	9.25	318.51	3.8
S-5	06/27/1999	--	223	13.7	12.9	8.20	45.8	106	--	--	--	--	--	--	327.76	9.39	318.37	3.0
S-5	04/28/2000	--	<50.0	<0.500	<0.500	<0.500	<0.500	255	--	--	--	--	--	--	327.76	9.43	318.33	1.2
S-5	05/30/2001	--	<100	<1.0	<1.0	<1.0	<1.0	--	480	--	--	--	--	--	327.76	9.47	318.29	1.1
S-5	06/17/2002	--	<50	<0.50	<0.50	<0.50	<0.50	--	210	--	--	--	--	--	327.76	9.74	318.02	0.2
S-5	05/30/2003	--	<250	<2.5	<2.5	<2.5	<5.0	--	450	--	--	--	--	--	327.43	8.87	318.56	1.7
S-5	05/03/2004	--	<250	<2.5	<2.5	<2.5	<5.0	--	470	--	--	--	--	--	327.43	9.10	318.33	0.7
S-5	01/14/2005	--	<100	<1.0	<1.0	<1.0	<2.0	--	230	--	--	--	--	--	327.43	8.43	319.00	--
S-5	05/05/2005	--	76	16	<0.50	<0.50	<0.50	--	120	630	<0.50	<0.50	<0.50	--	327.43	8.71	318.72	--
S-5	08/05/2005	--	1,900 l	571	7.51	221	171	--	240 l	480 l	<4 l	<4 l	<4 l	--	327.43	8.90	318.53	--
S-5	09/16/2005	--	1,400	87	2.0	7.8	5.8	--	75	630	<4.0	<4.0	<4.0	--	327.43	8.84	318.59	--
S-5	11/08/2005	--	315	35.8	<0.500	<0.500	1.07	--	49.1	<10.0	<0.500	<0.500	<0.500	--	327.43	8.86	318.57	--
S-5	01/31/2006	--	335	7.74	<0.500	<0.500	<0.500	--	48.2	337	<0.500	<0.500	<0.500	--	327.43	8.66	318.77	--

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
5251 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE		TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to	GW	DO
								8020 (µg/L)	8260 (µg/L)							Water (ft TOC)	Elevation (ft MSL)	Reading (m/L)
S-5	05/16/2006	---	349	3.54	<0.500	<0.500	<0.500	---	24.7	182	<0.500	<0.500	<0.500	---	327.43	9.00	318.43	---
S-5	08/23/2006	---	<50.0	5.39	<0.500	<0.500	<0.500	---	17.0	91.0	<0.500	<0.500	<0.500	---	327.43	8.97	318.46	---
S-5	11/13/2006	---	420	19	1.7	<0.50	1.7	---	19	80	<0.50	<0.50	<0.50	---	327.43	8.77	318.66	---
S-5	02/01/2007	---	280	14	2.1	<0.50	1.4	---	13	42	<2.0	<2.0	<2.0	---	327.43	9.30	318.13	---
S-5	05/23/2007	---	590 n	19	2.0	<1.0	0.92 o	---	11	24	<2.0	<2.0	<2.0	---	327.43	8.73	318.70	---
S-5	08/07/2007	---	450 n	10	1.0	<1.0	<1.0	---	13	17	<2.0	<2.0	<2.0	---	327.43	9.00	318.43	---
S-5	11/29/2007	---	340 n	4.1	0.34 o	<1.0	<1.0	---	7.1	<10	<2.0	<2.0	<2.0	---	327.43	9.06	318.37	---
S-5	02/08/2008	---	270 n	4.7	<1.0	<1.0	<1.0	---	6.0	<10	<2.0	<2.0	<2.0	---	327.43	8.75	318.68	---
S-5	02/20/2008	---	340 n	4.6	<1.0	<1.0	<1.0	---	5.5	<10	<2.0	<2.0	<2.0	<100	327.43	9.03	318.40	---
S-5	03/07/2008	---	220 n	1.8	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	<100	327.43	9.20	318.23	---
S-5	03/21/2008	---	150	0.71	<1.0	<1.0	<1.0	---	5.2	<10	<2.0	<2.0	<2.0	<100	327.43	9.43	318.00	---
S-5	04/08/2008	---	120	0.76	<1.0	<1.0	<1.0	---	5.2	<10	<2.0	<2.0	<2.0	<100	327.43	9.11	318.32	---
S-5	04/21/2008	---	190	0.63	<1.0	<1.0	<1.0	---	3.4	<10	<2.0	<2.0	<2.0	<100	327.43	9.17	318.26	---
S-5	05/06/2008	---	150	1.0	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	190	327.43	8.80	318.63	---
S-5	05/21/2008	---	250	1.6	<1.0	<1.0	<1.0	---	3.8	<10	<2.0	<2.0	<2.0	<100	327.43	9.20	318.23	---
S-5	08/06/2008	---	<50	<0.50	<1.0	<1.0	<1.0	---	6.2	<10	<2.0	<2.0	<2.0	---	327.43	9.11	318.32	---
S-5	11/18/2008	---	93	<0.50	<1.0	<1.0	<1.0	---	3.5	<10	<2.0	<2.0	<2.0	---	327.43	9.06	318.37	---
S-5	01/20/2009	---	59	<0.50	<1.0	<1.0	<1.0	---	2.7	<10	<2.0	<2.0	<2.0	---	327.43	9.60	317.83	---
S-5	05/06/2009	---	<50	<0.50	<1.0	<1.0	<1.0	---	2.5	<10	<2.0	<2.0	<2.0	---	327.43	8.94	318.49	---
S-5	07/06/2009	---	62	<0.50	<1.0	<1.0	<1.0	---	2.5	11	<2.0	<2.0	<2.0	---	327.43	9.18	318.25	---
S-5	02/09/2010	---	130	2.3	<1.0	<1.0	<1.0	---	2.4	<10	---	---	---	---	327.43	8.90	318.53	---
S-5	08/12/2010	---	220	3.3	<1.0	<1.0	<1.0	---	2.8	<10	---	---	---	---	327.43	9.22	318.21	---
S-5	08/18/2010	---	---	---	---	---	---	---	---	---	---	---	---	---	327.43	9.12	318.31	---
S-5	02/01/2011	---	130	0.95	<0.50	<0.50	<1.0	---	1.6	<10	---	---	---	---	327.43	9.09	318.34	---
S-5	07/28/2011	---	190	1.1	<0.50	<0.50	<1.0	---	1.4	<10	---	---	---	---	327.43	9.26	318.17	---
S-6	01/25/1991	<50	<50	<0.50	1.7	<0.5	2.8	---	---	---	---	---	---	---	326.56	---	---	---
S-6	04/16/1991	<50	<50	<0.50	<0.50	<0.50	0.6	---	---	---	---	---	---	---	326.56	---	---	---
S-6	07/24/1991	<50	<50	<0.50	<0.50	<0.50	0.5	---	---	---	---	---	---	---	326.56	8.84	317.72	---
S-6	10/18/1991	<50	<50	<0.50	<0.50	<0.50	0.5	---	---	---	---	---	---	---	326.56	---	---	---
S-6	01/23/1992	<50	<50	<0.50	<0.50	<0.50	0.5	---	---	---	---	---	---	---	326.56	---	---	---
S-6	04/27/1992	<50	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	326.56	---	---	---

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
5251 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (m/L)
S-6	07/17/1992	130	400	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	326.56	--	--	--
S-6	10/16/1992	<50	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	326.56	--	--	--
S-6	01/23/1993	230 b	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	326.56	7.82	318.74	--
S-6	04/28/1993	<50	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	326.56	9.00	317.56	--
S-6	09/22/1993	<50	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	326.56	8.61	317.95	--
S-6	12/08/1993	<50	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	326.56	10.02	316.54	--
S-6	03/04/1994	--	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	326.56	8.88	317.68	--
S-6	06/16/1994	--	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	326.56	9.04	317.52	--
S-6	05/05/1995	--	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	326.56	8.54	318.02	--
S-6	05/21/1996	--	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	326.56	8.62	317.94	--
S-6	05/12/1997	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--	326.56	8.60	317.96	2.6
S-6	05/08/1998	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--	326.56	7.90	318.66	2.2
S-6	06/27/1999	--	430	50.1	30.5	15.2	83.5	8.05	--	--	--	--	--	--	326.56	8.01	318.55	2.3
S-6	04/28/2000	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--	--	--	--	--	326.56	8.84	317.72	2.0
S-6	05/30/2001	--	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	--	--	--	--	--	326.56	8.54	318.02	1.9
S-6	06/17/2002	--	<50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	--	--	--	--	326.56	8.48	318.08	1.3
S-6	05/30/2003	--	<50	<0.50	<0.50	<0.50	<1.0	--	8.7	--	--	--	--	--	326.35	7.36	318.99	1.0
S-6	05/03/2004	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	--	326.35	8.08	318.27	0.9
S-6	01/14/2005	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	--	326.35	7.38	318.97	--
S-6	05/05/2005	--	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	<5.0	<0.50	<0.50	<0.50	--	326.35	7.55	318.80	--
S-6	08/05/2005	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	<5.0	<2.0	<2.0	<2.0	--	326.35	7.61	318.74	--
S-6	11/08/2005	--	<50.0	<0.500	<0.500	<0.500	<0.500	--	<0.500	<10.0	<0.500	<0.500	<0.500	--	326.35	7.64	318.71	--
S-6	01/31/2006	--	<50.0	<0.500	<0.500	<0.500	<0.500	--	<0.500	30.5	<0.500	<0.500	<0.500	--	326.35	7.90	318.45	--
S-6	05/16/2006	--	<50.0	<0.500	<0.500	<0.500	<0.500	--	<0.500	<10.0	<0.500	<0.500	<0.500	--	326.35	8.16	318.19	--
S-6	08/23/2006	--	<50.0	<0.500	<0.500	<0.500	<0.500	--	<0.500	10.9	<0.500	<0.500	<0.500	--	326.35	7.77	318.58	--
S-6	11/13/2006	--	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	<20	<0.50	<0.50	<0.50	--	326.35	8.15	318.20	--
S-6	02/01/2007	--	<50	<0.50	<0.50	<0.50	<1.0	--	1.2	<5.0	<2.0	<2.0	<2.0	--	326.35	8.36	317.99	--
S-6	05/23/2007	--	<50 n	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	--	326.35	7.80	318.55	--
S-6	08/07/2007	--	<50 n	<0.50	<1.0	<1.0	<1.0	--	0.39 o	<10	<2.0	<2.0	<2.0	--	326.35	8.07	318.28	--
S-6	11/29/2007	--	<50 n	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	--	326.35	8.17	318.18	--
S-6	02/08/2008	--	<50 n	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	--	326.35	7.67	318.68	--
S-6	05/21/2008	--	<50	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	<100	326.35	8.17	318.18	--

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
5251 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (m/L)
S-6	08/06/2008	--	<50	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	--	326.35	7.89	318.46	--
S-6	11/18/2008	--	<50	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	--	326.35	8.30	318.05	--
S-6	01/20/2009	--	<50	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	--	326.35	8.01	318.34	--
S-6	05/06/2009	--	<50	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	--	326.35	7.96	318.39	--
S-6	07/06/2009	--	<50	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	--	326.35	8.32	318.03	--
S-6	02/09/2010	--	<50	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	--	--	--	--	326.35	7.99	318.36	--
S-6	08/12/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	326.35	7.84	318.51	--
S-6	02/01/2011	--	<50	<0.50	<0.50	<0.50	<1.0	--	<1.0	<10	--	--	--	--	326.35	7.96	318.39	--
S-6	07/28/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	326.35	8.46	317.89	--
S-7	01/25/1991	<50	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	326.49	--	--	--
S-7	04/16/1991	<50	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	326.49	--	--	--
S-7	07/24/1991	<50	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	326.49	--	--	--
S-7	10/18/1991	140 f	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	326.49	8.92	317.57	--
S-7	01/23/1992	140 f	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	326.49	--	--	--
S-7	04/27/1992	<50	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	326.49	--	--	--
S-7	07/17/1992	<50	<50	<0.50	1.8	0.60	4.1	--	--	--	--	--	--	--	326.49	--	--	--
S-7	10/16/1992	<50	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	326.49	--	--	--
S-7	01/23/1993	110 b	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	326.49	8.06	318.43	--
S-7	04/28/1993	<50	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	326.49	8.94	317.55	--
S-7	09/22/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	326.49	8.57	317.92	--
S-7	12/08/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	326.49	9.00	317.49	--
S-7	03/04/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	326.49	8.96	317.53	--
S-7	06/16/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	326.49	9.12	317.37	--
S-7	05/05/1995	--	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	326.49	8.58	317.91	--
S-7	05/21/1996	--	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	326.49	8.64	317.85	--
S-7	05/12/1997	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--	326.49	8.74	317.75	2.3
S-7	05/08/1998	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--	326.49	8.00	318.49	2.5
S-7	06/27/1999	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	--	--	--	--	--	--	326.49	8.75	317.74	2.9
S-7	04/28/2000	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--	--	--	--	--	326.49	8.96	317.53	2.2
S-7	05/30/2001	--	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	--	--	--	--	--	326.49	8.65	317.84	2.0
S-7	06/17/2002	--	<50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	--	--	--	--	326.49	8.55	317.94	2.3

**GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
5251 HOPYARD ROAD, PLEASANTON, CALIFORNIA**

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE		TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (m/L)
								8020 (µg/L)	8260 (µg/L)									
S-7	05/30/2003	--	<50	<0.50	<0.50	<0.50	<1.0	--	12	--	--	--	--	--	326.36	7.88	318.48	1.8
S-7	05/03/2004	--	<50	<0.50	<0.50	<0.50	<1.0	--	100	--	--	--	--	--	326.36	8.30	318.06	1.2
S-7	01/14/2005	--	<50	<0.50	<0.50	<0.50	<1.0	--	41	--	--	--	--	--	326.36	7.70	318.66	--
S-7	05/05/2005	--	<50	<0.50	<0.50	<0.50	<0.50	--	91	<5.0	<0.50	<0.50	6.8	--	326.36	7.60	318.76	--
S-7	08/05/2005	--	<50	<0.50	<0.50	<0.50	<1.0	--	100	<5.0	<2.0	<2.0	7.5	--	326.36	8.42	317.94	--
S-7	11/08/2005	--	<50.0	<0.500	<0.500	<0.500	<0.500	--	124	<10.0	<0.500	<0.500	8.70	--	326.36	7.61	318.75	--
S-7	01/31/2006	--	<50.0	<0.500	<0.500	<0.500	<0.500	--	93.0	<10.0	<0.500	<0.500	4.50	--	326.36	7.85	318.51	--
S-7	05/16/2006	--	<50.0	<0.500	<0.500	<0.500	<0.500	--	76.3	<10.0	<0.500	<0.500	2.98	--	326.36	8.08	318.28	--
S-7	08/23/2006	--	<50.0	<0.500	<0.500	<0.500	<0.500	--	34.7	<10.0	<0.500	<0.500	2.02	--	326.36	7.93	318.43	--
S-7	11/13/2006	--	<50	<0.50	<0.50	<0.50	<0.50	--	27	<20	<0.50	<0.50	1.6	--	326.36	8.15	318.21	--
S-7	02/01/2007	--	<50	<0.50	<0.50	<0.50	<1.0	--	45	28	<2.0	<2.0	2.9	--	326.36	8.35	318.01	--
S-7	05/23/2007	--	<50 n	<0.50	<1.0	<1.0	<1.0	--	1.7	<10	<2.0	<2.0	<2.0	--	326.36	8.11	318.25	--
S-7	08/07/2007	--	<50 n	<0.50	<1.0	<1.0	<1.0	--	23	<10	<2.0	<2.0	<2.0	--	326.36	8.36	318.00	--
S-7	11/29/2007	--	<50 n	<0.50	<1.0	<1.0	<1.0	--	10	<10	<2.0	<2.0	<2.0	--	326.36	8.19	318.17	--
S-7	02/08/2008	--	<50 n	<0.50	<1.0	<1.0	<1.0	--	9.2	<10	<2.0	<2.0	<2.0	--	326.36	7.73	318.63	--
S-7	05/21/2008	--	<50	<0.50	<1.0	<1.0	<1.0	--	8.8	<10	<2.0	<2.0	<2.0	<100	326.36	8.10	318.26	--
S-7	08/06/2008	--	<50	<0.50	<1.0	<1.0	<1.0	--	1.2	<10	<2.0	<2.0	<2.0	--	326.36	8.49	317.87	--
S-7	11/18/2008	--	<50	<0.50	<1.0	<1.0	<1.0	--	7.6	<10	<2.0	<2.0	<2.0	--	326.36	8.31	318.05	--
S-7	01/20/2009	--	<50	<0.50	<1.0	<1.0	<1.0	--	7.7	<10	<2.0	<2.0	<2.0	--	326.36	8.39	317.97	--
S-7	05/06/2009	--	<50	<0.50	<1.0	<1.0	<1.0	--	6.4	<10	<2.0	<2.0	<2.0	--	326.36	8.39	317.97	--
S-7	07/06/2009	--	58	<0.50	<1.0	<1.0	<1.0	--	4.3	<10	<2.0	<2.0	<2.0	--	326.36	8.63	317.73	--
S-7	02/09/2010	--	<50	<0.50	<1.0	<1.0	<1.0	--	8.4	<10	--	--	--	--	326.36	8.15	318.21	--
S-7	08/12/2010	--	<50	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	--	--	--	--	326.36	7.98	318.38	--
S-7	02/01/2011	--	<50	<0.50	<0.50	<0.50	<1.0	--	62	33	--	--	--	--	326.36	8.18	318.18	--
S-7	07/28/2011	--	<50	<0.50	<0.50	<0.50	<1.0	--	21	<10	--	--	--	--	326.36	8.84	317.52	--
S-8	01/25/1991	<50	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	325.32	--	--	--
S-8	04/16/1991	<50	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	325.32	--	--	--
S-8	07/24/1991	<50	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	325.32	--	--	--
S-8	10/18/1991	360 f	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	325.32	7.62	317.70	--
S-8	01/23/1992	90	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	325.32	--	--	--
S-8	04/27/1992	<50	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	325.32	--	--	--

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
5251 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (m/L)
S-8	07/17/1992	<50	53	<0.50	1.0	<0.50	1.8	--	--	--	--	--	--	--	325.32	--	--	--
S-8	10/16/1992	<50	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	325.32	--	--	--
S-8	01/23/1993	<50	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	325.32	7.00	318.32	--
S-8	04/28/1993	<50	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	325.32	7.77	317.55	--
S-8	09/22/1993	160	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	325.32	7.67	317.65	--
S-8	12/08/1993	210	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	325.32	7.76	317.56	--
S-8	03/04/1994	--	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	325.32	7.66	317.66	--
S-8	06/16/1994	--	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	325.32	7.78	317.54	--
S-8	05/05/1995	--	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	325.32	7.42	317.90	--
S-8	05/21/1996	--	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	325.32	7.50	317.82	--
S-8	05/12/1997	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--	325.32	7.56	317.76	1.6
S-8	05/08/1998	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--	325.32	7.64	317.68	2.0
S-8	06/27/1999	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	--	--	--	--	--	--	325.32	7.75	317.57	2.3
S-8	04/28/2000	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--	--	--	--	--	325.32	8.02	317.30	1.8
S-8	05/30/2001	--	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	--	--	--	--	--	325.32	7.34	317.98	1.8
S-8	06/17/2002	--	<50	<0.50	<0.50	<0.50	<0.50	--	<5.0	--	--	--	--	--	325.32	7.45	317.87	1.8
S-8	05/30/2003	--	<50	<0.50	<0.50	<0.50	<1.0	--	14	--	--	--	--	--	325.03	7.39	317.64	3.0
S-8	05/03/2004	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	--	325.03	7.00	318.03	1.0
S-8	01/14/2005	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	--	325.03	8.65	316.39	--
S-8	05/05/2005	--	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	<5.0	<0.50	<0.50	<0.50	--	325.03	6.73	318.30	--
S-8	08/05/2005	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	<5.0	<2.0	<2.0	<2.0	--	325.03	6.93	318.10	--
S-8	11/08/2005	--	<50.0	<0.500	<0.500	<0.500	<0.500	--	<0.500	<10.0	<0.500	<0.500	<0.500	--	325.03	6.95	318.08	--
S-8	01/31/2006	--	<50.0	<0.500	<0.500	<0.500	<0.500	--	<0.500	<10.0	<0.500	<0.500	<0.500	--	325.03	6.91	318.12	--
S-8	05/16/2006	--	<50.0	<0.500	<0.500	<0.500	<0.500	--	<0.500	<10.0	<0.500	<0.500	<0.500	--	325.03	7.02	318.01	--
S-8	08/23/2006	--	<50.0	<0.500	<0.500	<0.500	<0.500	--	<0.500	<10.0	<0.500	<0.500	<0.500	--	325.03	6.98	318.05	--
S-8	11/13/2006	--	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	<20	<0.50	<0.50	<0.50	--	325.03	7.09	317.94	--
S-8	02/01/2007	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	<5.0	<2.0	<2.0	<2.0	--	325.03	7.27	317.76	--
S-8	05/23/2007	--	<50 n	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	--	325.03	6.80	318.23	--
S-8	08/07/2007	--	<50 n	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	--	325.03	7.04	317.99	--
S-8	11/29/2007	--	<50 n	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	--	325.03	7.04	317.99	--
S-8	02/08/2008	--	<50 n	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	--	325.03	6.77	318.26	--
S-8	05/21/2008	--	<50	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	<100	325.03	7.10	317.93	--

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
5251 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (m/L)
S-8	08/06/2008	--	<50	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	--	325.03	6.94	318.09	--
S-8	11/18/2008	--	<50	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	--	325.03	7.10	317.93	--
S-8	01/20/2009	--	<50	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	--	325.03	7.18	317.85	--
S-8	01/20/2009	--	<50	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	--	325.03	7.18	317.85	--
S-8	05/06/2009	--	<50	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	--	325.03	7.01	318.02	--
S-8	07/06/2009	--	<50	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	--	325.03	7.83	317.20	--
S-8	02/09/2010	--	<50	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	--	--	--	--	325.03	6.91	318.12	--
S-8	08/12/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	325.03	7.14	317.89	--
S-8	02/01/2011	--	<50	<0.50	<0.50	<0.50	<1.0	--	<1.0	<10	--	--	--	--	325.03	7.04	317.99	--
S-8	07/28/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	325.03	7.19	317.84	--
S-9	11/22/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	325.89	7.61	318.28	--
S-9	11/27/2006	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	<5.0	<2.0	<2.0	<2.0	--	325.89	7.77	318.12	--
S-9	02/01/2007	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	<5.0	<2.0	<2.0	<2.0	--	325.89	8.14	317.75	--
S-9	05/23/2007	--	<50 n	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	--	325.89	7.85	318.04	--
S-9	08/07/2007	--	<50 n	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	--	325.89	7.77	318.12	--
S-9	11/29/2007	--	<50 n	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	--	325.89	7.99	317.90	--
S-9	02/08/2008	--	<50 n	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	--	325.89	7.78	318.11	--
S-9	05/21/2008	--	<50	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	<100	325.89	7.84	318.05	--
S-9	08/06/2008	--	<50	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	--	325.89	7.69	318.20	--
S-9	11/18/2008	--	<50	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	--	325.89	7.93	317.96	--
S-9	01/20/2009	--	<50	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	--	325.89	8.13	317.76	--
S-9	05/06/2009	--	<50	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	--	325.89	8.02	317.87	--
S-9	07/06/2009	--	<50	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	--	325.89	8.06	317.83	--
S-9	02/09/2010	--	<50	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	--	--	--	--	325.89	7.80	318.09	--
S-9	08/12/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	325.89	7.96	317.93	--
S-9	08/18/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	325.89	7.86	318.03	--
S-9	02/01/2011	--	<50	<0.50	<0.50	<0.50	<1.0	--	<1.0	<10	--	--	--	--	325.89	7.84	318.05	--
S-9	07/28/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	325.89	8.51	317.38	--
S-10	06/30/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	326.24	8.04	318.20	--
S-10	07/06/2009	--	340	<1.0	<2.0	<2.0	<2.0	--	<2.0	5,100	<4.0	<4.0	<4.0	--	326.24	8.11	318.13	--

**GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
5251 HOPYARD ROAD, PLEASANTON, CALIFORNIA**

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (m/L)
S-10	02/09/2010	--	65	<0.50	<1.0	<1.0	<1.0	--	1.7	1,400	--	--	--	--	326.24	7.90	318.34	--
S-10	08/12/2010	--	<100	<1.0	<2.0	<2.0	<2.0	--	<2.0	610	--	--	--	--	326.24	8.04	318.20	--
S-10	08/18/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	326.24	8.04	318.20	--
S-10	02/01/2011	--	<50	<0.50	<0.50	<0.50	<1.0	--	<1.0	110	--	--	--	--	326.24	7.82	318.42	--
S-10	07/28/2011	--	<50	<0.50	<0.50	<0.50	<1.0	--	1.2	95	--	--	--	--	326.24	7.87	318.37	--
S-11	06/30/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	326.12	7.97	318.15	--
S-11	07/06/2009	--	<50	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	<2.0	<2.0	<2.0	--	326.12	7.98	318.14	--
S-11	02/09/2010	--	<50	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	--	--	--	--	326.12	9.99	316.13	--
S-11	08/12/2010	--	<50	<0.50	<1.0	<1.0	<1.0	--	<1.0	<10	--	--	--	--	326.12	8.17	317.95	--
S-11	08/18/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	326.12	7.91	318.21	--
S-11	02/01/2011	--	<50	<0.50	<0.50	<0.50	<1.0	--	<1.0	<10	--	--	--	--	326.12	7.36	318.76	--
S-11	07/28/2011	--	<50	<0.50	<0.50	<0.50	<1.0	--	<1.0	<10	--	--	--	--	326.12	7.99	318.13	--
S-12	06/30/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	326.91	8.49	318.42	--
S-12	07/06/2009	--	83	<0.50	<1.0	<1.0	<1.0	--	37	<10	<2.0	<2.0	<2.0	--	326.91	8.89	318.02	--
S-12	02/09/2010	--	57	<0.50	<1.0	<1.0	<1.0	--	26	11	--	--	--	--	326.91	7.97	318.94	--
S-12	08/12/2010	Unable to access		--	--	--	--	--	--	--	--	--	--	--	326.91	--	--	--
S-12	08/18/2010	--	<50	<0.50	<1.0	<1.0	<1.0	--	20	--	--	--	--	--	326.91	8.33	318.58	--
S-12	02/01/2011	--	<50	<0.50	<0.50	<0.50	<1.0	--	14	12	--	--	--	--	326.91	8.48	318.43	--
S-12	07/28/2011	--	<50	<0.50	<0.50	<0.50	<1.0	--	11	<10	--	--	--	--	326.91	8.65	318.26	--
EW-1	02/20/2008	--	9,100 n	110	180	840	146.9	--	<5.0	<50	<10	<10	<10	<500	--	8.07	--	--
EW-1	03/07/2008	--	11,000 n	380	200	370	317.0	--	<5.0	<50	<10	<10	<10	<500	--	17.80	--	--
EW-1	03/21/2008	--	14,000	690	430	750	614	--	<5.0	<50	<10	<10	<10	<500	--	8.61	--	--
EW-1	04/08/2008	--	12,000	430	200	430	302	--	<5.0	<50	<10	<10	<10	<500	--	8.40	--	--
EW-1	04/21/2008	--	22,000	430	510	1,100	747	--	<5.0	71	<10	<10	<10	<500	--	8.33	--	--
EW-1	05/06/2008	--	20,000	280	620	1,000	616	--	<10	<100	<20	<20	<20	<1,000	--	8.30	--	--
EW-1	05/21/2008	--	17,000	180	440	830	484	--	<10	<100	<20	<20	<20	<1,000	--	8.60	--	--
EW-1	08/06/2008	--	12,000	140	79	720	110	--	<10	<100	<20	<20	<20	--	--	8.41	--	--
EW-1	11/18/2008	--	16,000	94	170	970	310	--	<20	<200	<40	<40	<40	--	--	8.03	--	--
EW-1	01/20/2009	--	10,000	110	58	440	61	--	<20	<200	<40	<40	<40	--	--	8.98	--	--

TABLE 1

**GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
5251 HOPYARD ROAD, PLEASANTON, CALIFORNIA**

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE		TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (m/L)
								8020 (µg/L)	8260 (µg/L)									
EW-1	05/06/2009	---	14,000	73	120	690	120	---	<20	<200	<40	<40	<40	---	---	7.92	---	---
EW-1	07/06/2009	---	17,000	18	82	750	140	---	<10	<100	<20	<20	<20	---	326.98	8.21	318.77	---
EW-1	02/09/2010	---	12,000	13	41	490	120	---	<5.0	<50	---	---	---	---	326.98	8.20	318.78	---
EW-1	08/12/2010	---	11,000	2.9	17	370	113.4	---	<2.0	<20	---	---	---	---	326.98	8.03	318.95	---
EW-1	08/18/2010	---	---	---	---	---	---	---	---	---	---	---	---	---	326.98	8.09	318.89	---
EW-1	02/01/2011	---	10,000	10	35	520	34	---	5.0	<50	---	---	---	---	326.98	8.22	318.76	---
EW-1	07/28/2011	---	8,400	7.0	21	400	27	---	<5.0	<50	---	---	---	---	326.98	8.38	318.60	---
EW-2	12/14/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.25	---	---
EW-2	02/08/2008	---	70 n,p	<0.50	<1.0	<1.0	<1.0	---	8.9	940	<2.0	<2.0	<2.0	---	---	8.42	---	---
EW-2	02/20/2008	---	59 n,p	<1.0	<2.0	<2.0	<2.0	---	10	1,300	<4.0	<4.0	<4.0	<200	---	8.85	---	---
EW-2	03/07/2008	---	850 n,p	<1.0	<2.0	<2.0	<2.0	---	8.0	1,200	<4.0	<4.0	<4.0	<200	---	9.75	---	---
EW-2	03/21/2008	---	350	5.3	4.6	6.2	18	---	<2.0	990	<4.0	<4.0	<4.0	<200	---	9.51	---	---
EW-2	04/08/2008	---	<50	<0.50	<1.0	<1.0	<1.0	---	8.9	180	<2.0	<2.0	<2.0	<100	---	9.12	---	---
EW-2	04/21/2008	---	140	<0.50	<1.0	<1.0	<1.0	---	57	230	<2.0	<2.0	<2.0	<100	---	8.86	---	---
EW-2	05/06/2008	---	<50	<0.50	<1.0	<1.0	<1.0	---	8.3	590	<2.0	<2.0	<2.0	<100	---	8.87	---	---
EW-2	05/21/2008	---	53	<0.50	<1.0	<1.0	<1.0	---	11	380	<2.0	<2.0	<2.0	<100	---	9.00	---	---
EW-2	08/06/2008	---	60	<0.50	<1.0	<1.0	<1.0	---	10	560	<2.0	<2.0	<2.0	---	---	8.81	---	---
EW-2	11/18/2008	---	140	8.0	<1.0	6.2	29	---	7.4	410	<2.0	<2.0	<2.0	---	---	8.92	---	---
EW-2	01/20/2009	---	<50	<0.50	<1.0	<1.0	<1.0	---	6.8	390	<2.0	<2.0	<2.0	---	---	9.28	---	---
EW-2	05/06/2009	---	---	---	---	---	---	---	---	---	---	---	---	---	327.21	---	---	---

Notes:

TPHd = Total petroleum hydrocarbons as diesel analyzed by modified EPA Method 8015

TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B; prior to May 30, 2001 analyzed by EPA Method 8015 unless otherwise noted.

BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B; prior to May 30, 2001, analyzed by EPA Method 8020.

MTBE = Methyl tertiary-butyl ether analyzed by method as noted

TBA = Tertiary-butyl alcohol analyzed by EPA Method 8260B

DIPE = Di-isopropyl ether analyzed by EPA Method 8260B

ETBE = Ethyl tertiary-butyl ether analyzed by EPA Method 8260B

TAME = Tertiary-amyl methyl ether analyzed by EPA Method 8260B

Ethanol analyzed by EPA Method 8260B

**GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
5251 HOPYARD ROAD, PLEASANTON, CALIFORNIA**

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

TOC = Top of casing elevation, in feet relative to mean sea level

GW = Groundwater

DO = Dissolved oxygen

µg/L = Micrograms per liter

ft = Feet

MSL = Mean sea level

mg/L = Milligrams per liter

<x = Not detected at reporting limit x

--- = Not analyzed or available

(D) = Duplicate sample

a = Compounds detected as TPHd appear to be the less volatile constituents of gasoline.

b = The concentration reported as TPHd primarily due to the presence of a heavier petroleum product.

c = The concentration reported as TPHd due to the presence of a lighter petroleum product.

d = Concentrations reported as diesel includes a heavier petroleum product.

e = Compounds detected within the chromatographic range of TPHd, but not characteristic of the standard gasoline pattern.

f = There was insufficient preservative to reduce the sample pH to less than 2.

g = Compounds detected within the chromatographic range of TPHd, but not characteristic of the standard diesel pattern.

h = The chromatographic pattern of the purgeable hydrocarbons found in the sample is similar to the pattern of weathered gasoline.

j = The results may be biased slightly high.

k = The hydrocarbon reported in the gasoline range does not match the laboratory standard.

l = Extracted out of holding time.

m = Analyte was detected in the associated Method Blank.

n = Analyzed by EPA Method 8015B (M).

o = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.

p = The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

q = Sample container contained headspace

Beginning May 30, 2003, depth to water referenced to TOC

Site wells surveyed April 16, 2002 by Virgil Chavez Land Surveying

Wells S-2, S-3 and S-9 were surveyed on November 22, 2006 by Mid Coast Engineers.

Wells S-10 through S-12 and EW-1 were surveyed on June 25, 2009 by Mid Coast Engineers.

**MGSO₄ FEASIBILITY STUDY GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
5251 HOPYARD ROAD, PLEASANTON, CALIFORNIA**

Well ID	Date	Volume MgSO ₄ Applied (gallons)	Depth to Water (ft.)	pH	Sulfate (mg/L)	Fe2+ (mg/L)	Fe3+ (mg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
<i>Injection Wells</i>													
EW-1	10/30/2009	--	--	--	3.1	2.1	--	8,400	14	21	360	84	<2.0
EW-1	4/8/2010 9:45 a	55	7.81	7.05	2.7	<0.10b	10.2	7,100	16	25	95	29	3.7
EW-1	4/8/2010 17:10	--	--	--	90,000	--	--	--	--	--	--	--	--
EW-1	4/21/2010	--	--	--	7,800	--	--	--	--	--	--	--	--
EW-1	5/11/2010	--	--	7.24	2,000	2.4	7.6	5,500	13	9.5	100	43	<1.0
EW-1	5/27/2010 c	25	--	7.1	960	1.8	5.72	8,000	17	9.8	200	66	<5.0
EW-1	6/9/2010	--	--	--	4,800	--	--	--	--	--	--	--	--
EW-1	6/22/2010	--	--	7.38	1,300	2.8	2.29	6,600	5.2	4.5	53	20	<2.0
EW-1	7/15/2010 d	25	7.78	7.82	300	2.4	0.49	5,800	4.7	4.5	52	27	<2.0
EW-1	8/2/2010	--	--	4.65	2,100	2.6	--	--	--	--	--	--	--
EW-1 e	8/12/2010	--	8.03	6.98	730	1.2	--	11,000	2.9	17	370	110	<2.0
EW-1	8/17/2010	--	--	7.71	740	0.9	1.07	4,000	5.0	3.8	2.9	52	<2.0
EW-1f	9/9/2010	55	--	--	--	--	--	--	--	--	--	--	--
EW-1	10/1/2010	--	8.55	6.89	14,000	6.5	0.69	3,100	1.4	1.4	2.2	3.2	<1.0
EW-1	10/19/2010	--	--	7.49	5,800	4.8	1.56	5,600	1.8	1.4	6.3	9	<1.0
EW-1 g	2/1/2011	--	8.22	7.29	740	0.1	--	10,000	10	35	520	34	5.0
EW-1 i	7/28/2011	--	8.38	7.38	39	1.6	--	8,400	7.0	21	400	27	<5.0
S-3	10/30/2009	--	--	--	35	<0.10	--	2,300	390	12	15	24	14
S-3	4/8/2010 10:15 a	55	8.45	7.46	19	<0.10b	1.82	2,400	270	6.0	4.0	3.6	11
S-3	4/8/2010 19:30	--	--	--	99,000	--	--	--	--	--	--	--	--
S-3	4/21/2010	--	--	--	7,700	--	--	--	--	--	--	--	--
S-3	5/11/2010	--	--	7.11	3,600	4.8	1.43	2,100	230	2.9	15	2.7	9.3
S-3	5/27/10 c	40	--	6.9	1,600	3.0	1.42	1,900	210	<2.0	4.1	<2.0	8.2
S-3	6/9/2010	--	--	--	11,000	--	--	--	--	--	--	--	--
S-3	6/22/2010	--	--	6.93	6,400	4.5	4.43	1,800	270	2.4	26	4	5.8
S-3	7/15/10 d	45	8.39	7.48	2,600	3.2	1.4	2,200	230	<2.0	<2.0	<2.0	7.4
S-3	8/2/2010	--	--	7.01	4,300	3.6	--	--	--	--	--	--	--
S-3 e	8/12/2010	--	8.46	6.89	2,700	0.6	--	1,300	270	3.5	47	46	4.5
S-3	8/17/2010	--	--	7.11	1,700	1.0	<0.10	870	90	1.3	17	15	4.9
S-3f	9/9/2010	55	--	--	NS	--	--	--	--	--	--	--	--
S-3	10/1/2010	--	8.88	6.68	14,000	6.8	10.4	2,000	240	5.1	140	65	4.5
S-3	10/19/2010	--	--	7.20	9,300	5.6	10.7	3,000	190	<2.0	80	24	6.9
S-3 g	2/1/2011	--	8.75	7.03	11,000	0.2	--	900	<0.50	<0.50	<0.50	<1.0	8.8
S-3 i	7/28/2011	--	8.83	7.11	2,000	1.0	--	1,100	110	1.0	23	3.2	15
<i>Monitoring Wells</i>													
S-1	4/8/2010	--	7.95	7.49	3.1	<0.10b	0.511	9,300	23	38	320	56	17
S-1	5/27/2010	--	--	7.5	<1.0	0.8	<0.10	14,000	20	36	200	57	<2.0
S-1	7/15/2010	--	7.96	7.90	<1.0	0.6	<0.10	12,000	20	38	200	54	<2.0
S-1 e	8/18/2010	--	7.92	7.85	3.3	0.4	--	4,000	15	26	87	34	10
S-1	10/19/2010	--	--	8.00	1.7	0.8	<0.10	13,000	20	33	92	29	7.2
S-1 g	2/1/2011	--	7.91	7.91	2.3	0.3	--	5,900h	13	21	38	21	14
S-1 i	7/28/2011	--	8.33	7.64	2.5	0.0	--	8,800	19	37	120	46	9.5
S-2	10/30/2009	--	--	--	540	<0.10	--	<50	<0.50	<1.0	<1.0	<1.0	33
S-2	4/8/2010	--	8.14	7.52	600	<0.10b	0.120	<50	<0.50	<1.0	<1.0	<1.0	38
S-2	5/27/2010	--	--	7.2	570	0.0	<0.10	80	<0.50	<1.0	<1.0	<1.0	36
S-2	7/15/2010	--	8.30	7.72	570	0.0	<0.10	<50	<0.50	<1.0	<1.0	<1.0	19

**MgSO₄ FEASIBILITY STUDY GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
5251 HOPYARD ROAD, PLEASANTON, CALIFORNIA**

Well ID	Date	Volume MgSO ₄ Applied (gallons)	Depth to Water (ft.)	pH	Sulfate (mg/L)	Fe ²⁺ (mg/L)	Fe ³⁺ (mg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
S-2 e	8/18/2010	---	8.40	8.19	450	0.0	---	<50	<0.50	<1.0	<1.0	<1.0	24
S-2	10/19/2010	---	---	7.68	510	0.0	<0.10	<50	<0.50	<1.0	<1.0	<1.0	17
S-2 g	2/1/2011	---	8.39	7.49	180	0.0	---	<50	<0.50	<0.50	<0.50	<1.0	6.9
S-2 i	7/28/2011	---	8.49	7.52	490	0.0	---	<50	<0.50	<0.50	<0.50	<1.0	20
S-10	10/30/2009	---	---	---	170	<0.10	---	<50	<0.50	<1.0	<1.0	<1.0	1.8
S-10	4/8/2010	---	7.68	7.71	170	<0.10 ^b	0.915	<50	<0.50	<1.0	<1.0	<1.0	1.5
S-10	5/27/2010	---	---	6.3	160	0.0	0.367	<50	<0.50	<1.0	<1.0	<1.0	1.6
S-10	7/15/2010	---	7.92	7.75	150	0.0	0.12	<50	<0.50	<1.0	<1.0	<1.0	<1.0
S-10 e	8/12/2010	---	8.04	7.47	110	0.0	---	<100	<1.0	<2.0	<2.0	<2.0	<2.0
S-10	10/19/2010	---	---	8.16	140	0.0	0.26	<50	<0.50	<0.50	<0.50	<1.0	<1.0
S-10 g	2/1/2011	---	7.82	7.94	92	0.0	---	<50	<0.50	<0.50	<0.50	<1.0	<1.0
S-10 i	7/28/2011	---	7.87	7.68	130	0.0	---	<50	<0.50	<0.50	<0.50	<1.0	1.2

Notes:

- TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B.
 BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B.
 MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8260B
 Sulfate analyzed by EPA Method 300.0
 Fe²⁺ = Ferrous iron analyzed using field kit by SM 3500-FeB
 Fe³⁺ = Ferric iron analyzed by EPA Method 6010B
 mg/L = Milligrams per liter
 µg/L = Micrograms per liter
 ft. = Feet
 <x = Not detected at reporting limit x
 --- = Not analyzed, applicable, or available

- a = Initial MgSO₄ application following baseline sampling of all wells in study.
 b = Ferrous Iron (Fe²⁺) samples collected and submitted for laboratory analysis; results were run out of hold time (24 hours) and not representative.
 c = Second MgSO₄ application event May 28th following sample collection; tech had difficulty with gravity feed resulting in time constraint, so a smaller volume was applied.
 d = Third MgSO₄ application event was on the day following sample collection (July 16, 2010).
 e = Samples collected by Blaine Tech Services during third quarter 2010 monitoring and sampling event.
 f = Additional (fourth) MgSO₄ application event using a low-flow pump rather than gravity feed to attempt to apply more volume in the wells.
 g = Samples collected by Blaine Tech Services during first quarter 2011 monitoring and sampling event.
 h = Sample container contained head space.
 i = Samples collected by Blaine Tech Services during third quarter 2011 monitoring and sampling event.

APPENDIX A

BLAINE TECH SERVICES, INC. -
FIELD NOTES

WELL GAUGING DATA

Project # 110728-BPI Date 7/28/11 Client Shell

Site 5251 Hopyard 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
S-1	0840	3					8.33 10.48	28.35		under pressure
S-2	0814	3					8.49	24.17		
S-3	0834	3					8.83	24.09		
S-4	0759	3					8.64	24.17		
S-5	0827	3					9.26	24.14		
S-6	0910	3					8.46	25.52		
S-7	0919	3					8.84	25.03		
S-8	1005	3					7.19	24.59		
S-9	0750	2					8.51	19.66		
S-10	0820	4					7.87	19.14		
S-11	0741	4					7.99	19.79		
S-12	0807	4					8.65	20.15		
EW-1	0847	4					8.38	24.09	↓	

SHELL WELL MONITORING DATA SHEET

BTS #: 110728-BP1	Site: 98995843
Sampler: BP	Date: 7/28/11
Well I.D.: 5-2	Well Diameter: 2 <u>3</u> 4 6 8
Total Well Depth (TD): 24.17	Depth to Water (DTW): 8.49
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.62	

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: _____

$\frac{5.8 \text{ (Gals.)} \times 3}{\text{Specified Volumes}} = \frac{17.4}{\text{Calculated Volume}} \text{ Gals.}$	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td><u>0.37</u></td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	<u>0.37</u>	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	<u>0.37</u>	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1140	68.9	7.75	2859	53	5.8	
1141	68.2	7.72	2990	44	11.6	
1143	67.7	7.65	2362	37	17.4	DTW: 18.28
						Post Fe ²⁺ : 0.0 mg/L Post pH: 7.52

Did well dewater? Yes No Gallons actually evacuated: 17.4

Sampling Date: 7/28/11 Sampling Time: 1150 Depth to Water: 11.55

Sample I.D.: 5-2 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

3 sulfate

SHELL WELL MONITORING DATA SHEET

BTS #: <u>110728-BP1</u>	Site: <u>98995843</u>
Sampler: <u>BP</u>	Date: <u>7/28/11</u>
Well I.D.: <u>S-3</u>	Well Diameter: 2 <input checked="" type="radio"/> 4 <input type="radio"/> 6 <input type="radio"/> 8 <input type="radio"/>
Total Well Depth (TD): <u>24.09</u>	Depth to Water (DTW): <u>8.83</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <input checked="" type="radio"/> PVC <input type="radio"/> Grade	D.O. Meter (if req'd): YSI <input type="checkbox"/> HACH <input type="checkbox"/>
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>11.88</u>	

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: _____

5.6 (Gals.) X 3 = 16.8 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"	<input checked="" type="radio"/> 0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1257	69.2	7.10	5454	44	5.6	ODOR
1258	Well Deaerated @			8.8 Gals		DTW: 21.30
1430	71.6	7.11	4839	29	Post Fe ²⁺ : 1.0 ml/L	Post pH: 7.11

Did well dewater? Yes No Gallons actually evacuated: 8.8

Sampling Date: 7/28/11 Sampling Time: 1430 Depth to Water: 11.79

Sample I.D.: S-3 Laboratory: Test America Other _____

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

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 #: <u>110728-BP1</u>	Site: <u>98995843</u>
Sampler: <u>BP</u>	Date: <u>7/28/11</u>
Well I.D.: <u>S-10</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): <u>19.14</u>	Depth to Water (DTW): <u>7.87</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>10.12</u>	

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

<u>7.3</u> (Gals.) X	<u>3</u>	= <u>21.9</u> Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	<u>0.65</u>
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
<u>1204</u>	<u>70.1</u>	<u>7.70</u>	<u>1869</u>	<u>29</u>	<u>7.3</u>	
<u>1206</u>	<u>68.9</u>	<u>7.62</u>	<u>2073</u>	<u>153</u>	<u>14.6</u>	
<u>1209</u>	<u>69.0</u>	<u>7.60</u>	<u>1920</u>	<u>71000</u>	<u>21.9</u>	<u>DTW: 16.46</u>
						<u>Post Fe²⁺: 0.0 mg/L</u>
						<u>Post pH: 7.68</u>

Did well dewater? Yes No Gallons actually evacuated: 21.9

Sampling Date: 7/28/11 Sampling Time: 1225 Depth to Water: 10.05

Sample I.D.: S-10 Laboratory: Test America Other _____

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

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

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

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

Sulfate

SHELL WELL MONITORING DATA SHEET

BTS #: <u>110728-BP1</u>	Site: <u>98995843</u>
Sampler: <u>BP</u>	Date: <u>7/28/11</u>
Well I.D.: <u>EW-1</u>	Well Diameter: 2 3 <u>4</u> 6 8 _____
Total Well Depth (TD): <u>24.09</u>	Depth to Water (DTW): <u>8.38</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>11.52</u>	

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: _____

$\frac{10.2 \text{ (Gals.)} \times 3}{\text{Specified Volumes}} = \frac{30.6}{\text{Calculated Volume}} \text{ Gals.}$	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	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
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 μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1326	70.7	7.15	2586	26	10.2	ODOR
1328	Well	Dewatered @		16.4 Gals		Frothy water DTW: 19.65
1355	70.9	7.38	1219	17	Post Fe ²⁺ : 1.6 mg/L	Post pH: 7.38

Did well dewater? Yes No Gallons actually evacuated: 16.4
 Sampling Date: 7/28/11 Sampling Time: 1355 Depth to Water: 11.47

Sample I.D.: EW-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

3 sulfate

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 5231 Hopyard Rd Pleasanton Date 7-28-11
 Job Number 110728-BPI Technician BP 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
S-1			X					X	NO TAG 1/2 bolts missing
S-2	X								NO TAG
S-3	X								NO TAG
S-4	X								NO TAG
S-5	X								NO TAG
S-6	X								NO TAG
S-7			X					X	NO TAG, 1/2 bolts missing
S-8	X								NO TAG, Christy Box
S-9	X		X						NO TAG
S-10	X		X						NO TAG
S-11	X								NO TAG
S-12	X		X						NO TAG
EW-1								X	NO TAG, 1/2 bolts missing

*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

LABORATORY REPORT

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

Project: 5251 Hopyard Rd., Pleasanton, CA
- Shell

Sampled: 07/28/11
Received: 07/30/11
Issued: 08/10/11 15:51

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

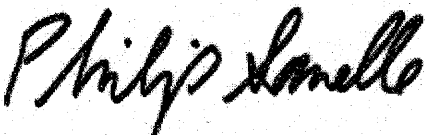
The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. 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
IUG2930-01	S-1	Water
IUG2930-02	S-2	Water
IUG2930-03	S-3	Water
IUG2930-04	S-5	Water
IUG2930-05	S-7	Water
IUG2930-06	S-10	Water
IUG2930-07	S-11	Water
IUG2930-08	S-12	Water
IUG2930-09	EW-1	Water

Reviewed By:



TestAmerica Irvine

Philip Sanelle
Project Manager

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

Project ID: 5251 Hopyard Rd., Pleasanton, CA - Shell

Report Number: IUG2930

Sampled: 07/28/11

Received: 07/30/11

VOLATILE FUEL HYDROCARBONS BY GC/MS (CA LUFT)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUG2930-01 (S-1 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H0846	500	8800	10	8/6/2011	8/7/2011	
Surrogate: Dibromofluoromethane (80-120%)				94 %				
Surrogate: Toluene-d8 (80-120%)				105 %				
Surrogate: 4-Bromofluorobenzene (80-120%)				104 %				
Sample ID: IUG2930-02 (S-2 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H0719	50	ND	1	8/5/2011	8/5/2011	
Surrogate: Dibromofluoromethane (80-120%)				99 %				
Surrogate: Toluene-d8 (80-120%)				104 %				
Surrogate: 4-Bromofluorobenzene (80-120%)				102 %				
Sample ID: IUG2930-03 (S-3 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H0719	50	1100	1	8/5/2011	8/5/2011	
Surrogate: Dibromofluoromethane (80-120%)				99 %				
Surrogate: Toluene-d8 (80-120%)				106 %				
Surrogate: 4-Bromofluorobenzene (80-120%)				108 %				
Sample ID: IUG2930-04 (S-5 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H0719	50	190	1	8/5/2011	8/5/2011	
Surrogate: Dibromofluoromethane (80-120%)				97 %				
Surrogate: Toluene-d8 (80-120%)				105 %				
Surrogate: 4-Bromofluorobenzene (80-120%)				103 %				
Sample ID: IUG2930-05 (S-7 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H0719	50	ND	1	8/5/2011	8/6/2011	
Surrogate: Dibromofluoromethane (80-120%)				96 %				
Surrogate: Toluene-d8 (80-120%)				104 %				
Surrogate: 4-Bromofluorobenzene (80-120%)				103 %				
Sample ID: IUG2930-06 (S-10 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H0720	50	ND	1	8/5/2011	8/6/2011	
Surrogate: Dibromofluoromethane (80-120%)				104 %				
Surrogate: Toluene-d8 (80-120%)				100 %				
Surrogate: 4-Bromofluorobenzene (80-120%)				97 %				

TestAmerica Irvine

Philip Sanelle
 Project Manager

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

Project ID: 5251 Hopyard Rd., Pleasanton, CA - Shell

Report Number: IUG2930

Sampled: 07/28/11
 Received: 07/30/11

VOLATILE FUEL HYDROCARBONS BY GC/MS (CA LUFT)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUG2930-07 (S-11 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H0720	50	ND	1	8/5/2011	8/6/2011	
Surrogate: Dibromofluoromethane (80-120%)				102 %				
Surrogate: Toluene-d8 (80-120%)				98 %				
Surrogate: 4-Bromofluorobenzene (80-120%)				97 %				
Sample ID: IUG2930-08 (S-12 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H0720	50	ND	1	8/5/2011	8/6/2011	
Surrogate: Dibromofluoromethane (80-120%)				103 %				
Surrogate: Toluene-d8 (80-120%)				99 %				
Surrogate: 4-Bromofluorobenzene (80-120%)				97 %				
Sample ID: IUG2930-09 (EW-1 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H0846	250	8400	5	8/6/2011	8/6/2011	
Surrogate: Dibromofluoromethane (80-120%)				96 %				
Surrogate: Toluene-d8 (80-120%)				105 %				
Surrogate: 4-Bromofluorobenzene (80-120%)				106 %				

TestAmerica Irvine

Philip Sanelle
 Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

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

Project ID: 5251 Hopyard Rd., Pleasanton, CA - Shell

Report Number: IUG2930

Sampled: 07/28/11
 Received: 07/30/11

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUG2930-01 (S-1 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H0719	1.0	19	2	8/5/2011	8/5/2011	
Ethylbenzene	EPA 8260B	11H0719	1.0	120	2	8/5/2011	8/5/2011	
Toluene	EPA 8260B	11H0719	1.0	37	2	8/5/2011	8/5/2011	
Xylenes, Total	EPA 8260B	11H0719	2.0	46	2	8/5/2011	8/5/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H0719	2.0	9.5	2	8/5/2011	8/5/2011	
tert-Butanol (TBA)	EPA 8260B	11H0719	20	43	2	8/5/2011	8/5/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				105 %				
Surrogate: Dibromofluoromethane (80-120%)				97 %				
Surrogate: Toluene-d8 (80-120%)				106 %				
Sample ID: IUG2930-02 (S-2 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H0719	0.50	ND	1	8/5/2011	8/5/2011	
Ethylbenzene	EPA 8260B	11H0719	0.50	ND	1	8/5/2011	8/5/2011	
Toluene	EPA 8260B	11H0719	0.50	ND	1	8/5/2011	8/5/2011	
Xylenes, Total	EPA 8260B	11H0719	1.0	ND	1	8/5/2011	8/5/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H0719	1.0	20	1	8/5/2011	8/5/2011	
tert-Butanol (TBA)	EPA 8260B	11H0719	10	ND	1	8/5/2011	8/5/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				102 %				
Surrogate: Dibromofluoromethane (80-120%)				99 %				
Surrogate: Toluene-d8 (80-120%)				104 %				
Sample ID: IUG2930-03 (S-3 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H0719	0.50	110	1	8/5/2011	8/5/2011	
Ethylbenzene	EPA 8260B	11H0719	0.50	23	1	8/5/2011	8/5/2011	
Toluene	EPA 8260B	11H0719	0.50	1.0	1	8/5/2011	8/5/2011	
Xylenes, Total	EPA 8260B	11H0719	1.0	3.2	1	8/5/2011	8/5/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H0719	1.0	15	1	8/5/2011	8/5/2011	
tert-Butanol (TBA)	EPA 8260B	11H0719	10	22	1	8/5/2011	8/5/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				108 %				
Surrogate: Dibromofluoromethane (80-120%)				99 %				
Surrogate: Toluene-d8 (80-120%)				106 %				

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

Project ID: 5251 Hopyard Rd., Pleasanton, CA - Shell

Report Number: IUG2930

Sampled: 07/28/11
 Received: 07/30/11

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUG2930-04 (S-5 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H0719	0.50	1.1	1	8/5/2011	8/5/2011	
Ethylbenzene	EPA 8260B	11H0719	0.50	ND	1	8/5/2011	8/5/2011	
Toluene	EPA 8260B	11H0719	0.50	ND	1	8/5/2011	8/5/2011	
Xylenes, Total	EPA 8260B	11H0719	1.0	ND	1	8/5/2011	8/5/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H0719	1.0	1.4	1	8/5/2011	8/5/2011	
tert-Butanol (TBA)	EPA 8260B	11H0719	10	ND	1	8/5/2011	8/5/2011	
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				103 %				
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				97 %				
<i>Surrogate: Toluene-d8 (80-120%)</i>				105 %				
Sample ID: IUG2930-05 (S-7 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H0719	0.50	ND	1	8/5/2011	8/6/2011	
Ethylbenzene	EPA 8260B	11H0719	0.50	ND	1	8/5/2011	8/6/2011	
Toluene	EPA 8260B	11H0719	0.50	ND	1	8/5/2011	8/6/2011	
Xylenes, Total	EPA 8260B	11H0719	1.0	ND	1	8/5/2011	8/6/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H0719	1.0	21	1	8/5/2011	8/6/2011	
tert-Butanol (TBA)	EPA 8260B	11H0719	10	ND	1	8/5/2011	8/6/2011	
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				103 %				
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				96 %				
<i>Surrogate: Toluene-d8 (80-120%)</i>				104 %				
Sample ID: IUG2930-06 (S-10 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H0720	0.50	ND	1	8/5/2011	8/6/2011	
Ethylbenzene	EPA 8260B	11H0720	0.50	ND	1	8/5/2011	8/6/2011	
Toluene	EPA 8260B	11H0720	0.50	ND	1	8/5/2011	8/6/2011	
Xylenes, Total	EPA 8260B	11H0720	1.0	ND	1	8/5/2011	8/6/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H0720	1.0	1.2	1	8/5/2011	8/6/2011	
tert-Butanol (TBA)	EPA 8260B	11H0720	10	95	1	8/5/2011	8/6/2011	
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				97 %				
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				104 %				
<i>Surrogate: Toluene-d8 (80-120%)</i>				100 %				

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Report Number: IUG2930

Sampled: 07/28/11
 Received: 07/30/11

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUG2930-07 (S-11 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H0720	0.50	ND	1	8/5/2011	8/6/2011	
Ethylbenzene	EPA 8260B	11H0720	0.50	ND	1	8/5/2011	8/6/2011	
Toluene	EPA 8260B	11H0720	0.50	ND	1	8/5/2011	8/6/2011	
Xylenes, Total	EPA 8260B	11H0720	1.0	ND	1	8/5/2011	8/6/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H0720	1.0	ND	1	8/5/2011	8/6/2011	
tert-Butanol (TBA)	EPA 8260B	11H0720	10	ND	1	8/5/2011	8/6/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)								97 %
Surrogate: Dibromofluoromethane (80-120%)								102 %
Surrogate: Toluene-d8 (80-120%)								98 %
Sample ID: IUG2930-08 (S-12 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H0720	0.50	ND	1	8/5/2011	8/6/2011	
Ethylbenzene	EPA 8260B	11H0720	0.50	ND	1	8/5/2011	8/6/2011	
Toluene	EPA 8260B	11H0720	0.50	ND	1	8/5/2011	8/6/2011	
Xylenes, Total	EPA 8260B	11H0720	1.0	ND	1	8/5/2011	8/6/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H0720	1.0	11	1	8/5/2011	8/6/2011	
tert-Butanol (TBA)	EPA 8260B	11H0720	10	ND	1	8/5/2011	8/6/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)								97 %
Surrogate: Dibromofluoromethane (80-120%)								103 %
Surrogate: Toluene-d8 (80-120%)								99 %
Sample ID: IUG2930-09 (EW-1 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H0846	2.5	7.0	5	8/6/2011	8/6/2011	
Ethylbenzene	EPA 8260B	11H0846	2.5	400	5	8/6/2011	8/6/2011	
Toluene	EPA 8260B	11H0846	2.5	21	5	8/6/2011	8/6/2011	
Xylenes, Total	EPA 8260B	11H0846	5.0	27	5	8/6/2011	8/6/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H0846	5.0	ND	5	8/6/2011	8/6/2011	
tert-Butanol (TBA)	EPA 8260B	11H0846	50	ND	5	8/6/2011	8/6/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)								106 %
Surrogate: Dibromofluoromethane (80-120%)								96 %
Surrogate: Toluene-d8 (80-120%)								105 %

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Report Number: IUG2930

Sampled: 07/28/11
Received: 07/30/11

INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUG2930-01 (S-1 - Water)								
Reporting Units: ug/l								
Sulfate	EPA 300.0	11H0063	500	2500	1	8/1/2011	8/1/2011	
Sample ID: IUG2930-02 (S-2 - Water)								
Reporting Units: ug/l								
Sulfate	EPA 300.0	11H0063	50000	490000	100	8/1/2011	8/1/2011	
Sample ID: IUG2930-03 (S-3 - Water)								
Reporting Units: ug/l								
Sulfate	EPA 300.0	11H0063	100000	2000000	200	8/1/2011	8/1/2011	
Sample ID: IUG2930-06 (S-10 - Water)								
Reporting Units: ug/l								
Sulfate	EPA 300.0	11H0063	25000	130000	50	8/1/2011	8/1/2011	
Sample ID: IUG2930-09 (EW-1 - Water)								
Reporting Units: ug/l								
Sulfate	EPA 300.0	11H0063	10000	39000	20	8/1/2011	8/1/2011	

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Report Number: IUG2930

Sampled: 07/28/11

Received: 07/30/11

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS BY GC/MS (CA LUFT)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits RPD	RPD Limit	Data Qualifiers
Batch: 11H0719 Extracted: 08/05/11									
Blank Analyzed: 08/05/2011 (11H0719-BLK1)									
Volatile Fuel Hydrocarbons (C4-C12)	ND	50	ug/l						
Surrogate: Dibromofluoromethane	23.3		ug/l	25.0		93	80-120		
Surrogate: Toluene-d8	26.2		ug/l	25.0		105	80-120		
Surrogate: 4-Bromofluorobenzene	25.4		ug/l	25.0		102	80-120		
LCS Analyzed: 08/05/2011 (11H0719-BS2)									
Volatile Fuel Hydrocarbons (C4-C12)	431	50	ug/l	500		86	55-130		
Surrogate: Dibromofluoromethane	22.7		ug/l	25.0		91	80-120		
Surrogate: Toluene-d8	26.0		ug/l	25.0		104	80-120		
Surrogate: 4-Bromofluorobenzene	25.5		ug/l	25.0		102	80-120		
Matrix Spike Analyzed: 08/05/2011 (11H0719-MS1) Source: IUG2930-05									
Volatile Fuel Hydrocarbons (C4-C12)	1650	50	ug/l	1720	ND	96	50-145		
Surrogate: Dibromofluoromethane	24.2		ug/l	25.0		97	80-120		
Surrogate: Toluene-d8	26.2		ug/l	25.0		105	80-120		
Surrogate: 4-Bromofluorobenzene	25.8		ug/l	25.0		103	80-120		
Matrix Spike Dup Analyzed: 08/05/2011 (11H0719-MSD1) Source: IUG2930-05									
Volatile Fuel Hydrocarbons (C4-C12)	1470	50	ug/l	1720	ND	85	50-145	12	20
Surrogate: Dibromofluoromethane	25.1		ug/l	25.0		100	80-120		
Surrogate: Toluene-d8	26.2		ug/l	25.0		105	80-120		
Surrogate: 4-Bromofluorobenzene	26.1		ug/l	25.0		105	80-120		
Batch: 11H0720 Extracted: 08/05/11									
Blank Analyzed: 08/05/2011 (11H0720-BLK1)									
Volatile Fuel Hydrocarbons (C4-C12)	ND	50	ug/l						
Surrogate: Dibromofluoromethane	23.7		ug/l	25.0		95	80-120		
Surrogate: Toluene-d8	24.2		ug/l	25.0		97	80-120		
Surrogate: 4-Bromofluorobenzene	23.6		ug/l	25.0		94	80-120		

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Project ID: 5251 Hopyard Rd., Pleasanton, CA - Shell
 Report Number: IUG2930

Sampled: 07/28/11
 Received: 07/30/11

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS BY GC/MS (CA LUFT)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11H0720 Extracted: 08/05/11									
LCS Analyzed: 08/05/2011 (11H0720-BS2)									
Volatile Fuel Hydrocarbons (C4-C12)	480	50	ug/l	500		96 55-130			
Surrogate: Dibromofluoromethane	23.3		ug/l	25.0		93 80-120			
Surrogate: Toluene-d8	24.4		ug/l	25.0		97 80-120			
Surrogate: 4-Bromofluorobenzene	23.9		ug/l	25.0		96 80-120			
Matrix Spike Analyzed: 08/05/2011 (11H0720-MS1) Source: IUG2886-08									
Volatile Fuel Hydrocarbons (C4-C12)	1350	50	ug/l	1720	ND	78 50-145			
Surrogate: Dibromofluoromethane	24.1		ug/l	25.0		96 80-120			
Surrogate: Toluene-d8	24.8		ug/l	25.0		99 80-120			
Surrogate: 4-Bromofluorobenzene	23.7		ug/l	25.0		95 80-120			
Matrix Spike Dup Analyzed: 08/05/2011 (11H0720-MSD1) Source: IUG2886-08									
Volatile Fuel Hydrocarbons (C4-C12)	1240	50	ug/l	1720	ND	72 50-145	8	20	
Surrogate: Dibromofluoromethane	23.5		ug/l	25.0		94 80-120			
Surrogate: Toluene-d8	24.8		ug/l	25.0		99 80-120			
Surrogate: 4-Bromofluorobenzene	23.9		ug/l	25.0		95 80-120			
Batch: 11H0846 Extracted: 08/06/11									
Blank Analyzed: 08/06/2011 (11H0846-BLK1)									
Volatile Fuel Hydrocarbons (C4-C12)	ND	50	ug/l						
Surrogate: Dibromofluoromethane	22.6		ug/l	25.0		90 80-120			
Surrogate: Toluene-d8	26.1		ug/l	25.0		104 80-120			
Surrogate: 4-Bromofluorobenzene	25.6		ug/l	25.0		103 80-120			
LCS Analyzed: 08/06/2011 (11H0846-BS2)									
Volatile Fuel Hydrocarbons (C4-C12)	448	50	ug/l	500		90 55-130			
Surrogate: Dibromofluoromethane	23.2		ug/l	25.0		93 80-120			
Surrogate: Toluene-d8	26.7		ug/l	25.0		107 80-120			
Surrogate: 4-Bromofluorobenzene	26.0		ug/l	25.0		104 80-120			

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Philip Sanelle
 Project Manager

Blaine Tech San Jose/CRA Shell
 1680 Rogers Avenue
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Project ID: 5251 Hopyard Rd., Pleasanton, CA - Shell

Report Number: IUG2930

Sampled: 07/28/11
 Received: 07/30/11

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS BY GC/MS (CA LUFT)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11H0846 Extracted: 08/06/11										
Matrix Spike Analyzed: 08/06/2011 (11H0846-MS1)					Source: IUG2931-05					
Volatile Fuel Hydrocarbons (C4-C12)	1330	50	ug/l	1720	ND	77	50-145			
Surrogate: Dibromofluoromethane	23.8		ug/l	25.0		95	80-120			
Surrogate: Toluene-d8	26.3		ug/l	25.0		105	80-120			
Surrogate: 4-Bromofluorobenzene	25.8		ug/l	25.0		103	80-120			
Matrix Spike Dup Analyzed: 08/06/2011 (11H0846-MSD1)					Source: IUG2931-05					
Volatile Fuel Hydrocarbons (C4-C12)	1440	50	ug/l	1720	ND	83	50-145	8	20	
Surrogate: Dibromofluoromethane	23.9		ug/l	25.0		96	80-120			
Surrogate: Toluene-d8	26.2		ug/l	25.0		105	80-120			
Surrogate: 4-Bromofluorobenzene	25.7		ug/l	25.0		103	80-120			

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METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits RPD	RPD Limit	Data Qualifiers
Batch: 11H0719 Extracted: 08/05/11									
Blank Analyzed: 08/05/2011 (11H0719-BLK1)									
Benzene	ND	0.50	ug/l						
Ethylbenzene	ND	0.50	ug/l						
Toluene	ND	0.50	ug/l						
m,p-Xylenes	ND	1.0	ug/l						
o-Xylene	ND	0.50	ug/l						
Xylenes, Total	ND	1.0	ug/l						
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l						
tert-Butanol (TBA)	ND	10	ug/l						
Surrogate: 4-Bromofluorobenzene	25.4		ug/l	25.0		102	80-120		
Surrogate: Dibromofluoromethane	23.3		ug/l	25.0		93	80-120		
Surrogate: Toluene-d8	26.2		ug/l	25.0		105	80-120		
LCS Analyzed: 08/05/2011 (11H0719-BS1)									
Benzene	25.0	0.50	ug/l	25.0		100	70-120		
Ethylbenzene	27.6	0.50	ug/l	25.0		110	75-125		
Toluene	26.4	0.50	ug/l	25.0		106	70-120		
m,p-Xylenes	51.0	1.0	ug/l	50.0		102	75-125		
o-Xylene	26.9	0.50	ug/l	25.0		108	75-125		
Xylenes, Total	77.9	1.0	ug/l	75.0		104	70-125		
Methyl-tert-butyl Ether (MTBE)	22.4	1.0	ug/l	25.0		90	60-135		
tert-Butanol (TBA)	135	10	ug/l	125		108	70-135		
Surrogate: 4-Bromofluorobenzene	25.9		ug/l	25.0		104	80-120		
Surrogate: Dibromofluoromethane	23.4		ug/l	25.0		94	80-120		
Surrogate: Toluene-d8	25.8		ug/l	25.0		103	80-120		
Matrix Spike Analyzed: 08/05/2011 (11H0719-MS1)					Source: IUG2930-05				
Benzene	27.8	0.50	ug/l	25.0	ND	111	65-125		
Ethylbenzene	29.6	0.50	ug/l	25.0	ND	119	65-130		
Toluene	29.4	0.50	ug/l	25.0	ND	117	70-125		
m,p-Xylenes	54.8	1.0	ug/l	50.0	ND	110	65-130		
o-Xylene	29.1	0.50	ug/l	25.0	ND	117	65-125		
Xylenes, Total	83.9	1.0	ug/l	75.0	ND	112	60-130		
Methyl-tert-butyl Ether (MTBE)	45.4	1.0	ug/l	25.0	21.3	96	55-145		
tert-Butanol (TBA)	154	10	ug/l	125	ND	123	65-140		
Surrogate: 4-Bromofluorobenzene	25.8		ug/l	25.0		103	80-120		
Surrogate: Dibromofluoromethane	24.2		ug/l	25.0		97	80-120		
Surrogate: Toluene-d8	26.2		ug/l	25.0		105	80-120		

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METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11H0719 Extracted: 08/05/11										
Matrix Spike Dup Analyzed: 08/05/2011 (11H0719-MSD1)					Source: IUG2930-05					
Benzene	24.6	0.50	ug/l	25.0	ND	99	65-125	12	20	
Ethylbenzene	26.0	0.50	ug/l	25.0	ND	104	65-130	13	20	
Toluene	26.3	0.50	ug/l	25.0	ND	105	70-125	11	20	
m,p-Xylenes	48.4	1.0	ug/l	50.0	ND	97	65-130	12	25	
o-Xylene	25.7	0.50	ug/l	25.0	ND	103	65-125	12	20	
Xylenes, Total	74.1	1.0	ug/l	75.0	ND	99	60-130	12	20	
Methyl-tert-butyl Ether (MTBE)	44.2	1.0	ug/l	25.0	21.3	91	55-145	3	25	
tert-Butanol (TBA)	131	10	ug/l	125	ND	105	65-140	16	25	
Surrogate: 4-Bromofluorobenzene	26.1		ug/l	25.0		105	80-120			
Surrogate: Dibromofluoromethane	25.1		ug/l	25.0		100	80-120			
Surrogate: Toluene-d8	26.2		ug/l	25.0		105	80-120			

Batch: 11H0720 Extracted: 08/05/11

Blank Analyzed: 08/05/2011 (11H0720-BLK1)

Benzene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
o-Xylene	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
tert-Butanol (TBA)	ND	10	ug/l							
Surrogate: 4-Bromofluorobenzene	23.6		ug/l	25.0		94	80-120			
Surrogate: Dibromofluoromethane	23.7		ug/l	25.0		95	80-120			
Surrogate: Toluene-d8	24.2		ug/l	25.0		97	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: 5251 Hopyard Rd., Pleasanton, CA - Shell
Report Number: IUG2930

Sampled: 07/28/11
Received: 07/30/11

METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11H0720 Extracted: 08/05/11										
LCS Analyzed: 08/05/2011 (11H0720-BS1)										
Benzene	22.0	0.50	ug/l	25.0		88	70-120			
Ethylbenzene	23.8	0.50	ug/l	25.0		95	75-125			
Toluene	22.6	0.50	ug/l	25.0		90	70-120			
m,p-Xylenes	47.8	1.0	ug/l	50.0		96	75-125			
o-Xylene	24.4	0.50	ug/l	25.0		98	75-125			
Xylenes, Total	72.2	1.0	ug/l	75.0		96	70-125			
Methyl-tert-butyl Ether (MTBE)	22.8	1.0	ug/l	25.0		91	60-135			
tert-Butanol (TBA)	128	10	ug/l	125		102	70-135			
Surrogate: 4-Bromofluorobenzene	23.3		ug/l	25.0		93	80-120			
Surrogate: Dibromofluoromethane	23.4		ug/l	25.0		94	80-120			
Surrogate: Toluene-d8	24.7		ug/l	25.0		99	80-120			
Matrix Spike Analyzed: 08/05/2011 (11H0720-MS1)										
					Source: IUG2886-08					
Benzene	22.5	0.50	ug/l	25.0	ND	90	65-125			
Ethylbenzene	24.4	0.50	ug/l	25.0	ND	97	65-130			
Toluene	23.1	0.50	ug/l	25.0	ND	93	70-125			
m,p-Xylenes	49.0	1.0	ug/l	50.0	ND	98	65-130			
o-Xylene	25.2	0.50	ug/l	25.0	ND	101	65-125			
Xylenes, Total	74.2	1.0	ug/l	75.0	ND	99	60-130			
Methyl-tert-butyl Ether (MTBE)	24.7	1.0	ug/l	25.0	ND	99	55-145			
tert-Butanol (TBA)	130	10	ug/l	125	ND	104	65-140			
Surrogate: 4-Bromofluorobenzene	23.7		ug/l	25.0		95	80-120			
Surrogate: Dibromofluoromethane	24.1		ug/l	25.0		96	80-120			
Surrogate: Toluene-d8	24.8		ug/l	25.0		99	80-120			
Matrix Spike Dup Analyzed: 08/05/2011 (11H0720-MSD1)										
					Source: IUG2886-08					
Benzene	21.1	0.50	ug/l	25.0	ND	84	65-125	7	20	
Ethylbenzene	22.7	0.50	ug/l	25.0	ND	91	65-130	7	20	
Toluene	21.8	0.50	ug/l	25.0	ND	87	70-125	6	20	
m,p-Xylenes	45.8	1.0	ug/l	50.0	ND	92	65-130	7	25	
o-Xylene	23.9	0.50	ug/l	25.0	ND	96	65-125	5	20	
Xylenes, Total	69.7	1.0	ug/l	75.0	ND	93	60-130	6	20	
Methyl-tert-butyl Ether (MTBE)	22.2	1.0	ug/l	25.0	ND	89	55-145	10	25	
tert-Butanol (TBA)	138	10	ug/l	125	ND	110	65-140	6	25	
Surrogate: 4-Bromofluorobenzene	23.9		ug/l	25.0		95	80-120			
Surrogate: Dibromofluoromethane	23.5		ug/l	25.0		94	80-120			
Surrogate: Toluene-d8	24.8		ug/l	25.0		99	80-120			

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Philip Sanelle
Project Manager

Blaine Tech San Jose/CRA Shell
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Report Number: IUG2930

Sampled: 07/28/11
Received: 07/30/11

METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits RPD	RPD Limit	Data Qualifiers
Batch: 11H0846 Extracted: 08/06/11									
Blank Analyzed: 08/06/2011 (11H0846-BLK1)									
Benzene	ND	0.50	ug/l						
Ethylbenzene	ND	0.50	ug/l						
Toluene	ND	0.50	ug/l						
m,p-Xylenes	ND	1.0	ug/l						
o-Xylene	ND	0.50	ug/l						
Xylenes, Total	ND	1.0	ug/l						
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l						
tert-Butanol (TBA)	ND	10	ug/l						
Surrogate: 4-Bromofluorobenzene	25.6		ug/l	25.0		103	80-120		
Surrogate: Dibromofluoromethane	22.6		ug/l	25.0		90	80-120		
Surrogate: Toluene-d8	26.1		ug/l	25.0		104	80-120		
LCS Analyzed: 08/06/2011 (11H0846-BS1)									
Benzene	23.0	0.50	ug/l	25.0		92	70-120		
Ethylbenzene	25.4	0.50	ug/l	25.0		102	75-125		
Toluene	24.3	0.50	ug/l	25.0		97	70-120		
m,p-Xylenes	47.2	1.0	ug/l	50.0		94	75-125		
o-Xylene	24.7	0.50	ug/l	25.0		99	75-125		
Xylenes, Total	71.9	1.0	ug/l	75.0		96	70-125		
Methyl-tert-butyl Ether (MTBE)	20.6	1.0	ug/l	25.0		82	60-135		
tert-Butanol (TBA)	120	10	ug/l	125		96	70-135		
Surrogate: 4-Bromofluorobenzene	25.7		ug/l	25.0		103	80-120		
Surrogate: Dibromofluoromethane	23.0		ug/l	25.0		92	80-120		
Surrogate: Toluene-d8	25.9		ug/l	25.0		104	80-120		
Matrix Spike Analyzed: 08/06/2011 (11H0846-MS1)				Source: IUG2931-05					
Benzene	23.6	0.50	ug/l	25.0	0.330	93	65-125		
Ethylbenzene	25.8	0.50	ug/l	25.0	0.920	100	65-130		
Toluene	24.5	0.50	ug/l	25.0	ND	98	70-125		
m,p-Xylenes	45.2	1.0	ug/l	50.0	ND	90	65-130		
o-Xylene	24.0	0.50	ug/l	25.0	ND	96	65-125		
Xylenes, Total	69.2	1.0	ug/l	75.0	ND	92	60-130		
Methyl-tert-butyl Ether (MTBE)	21.0	1.0	ug/l	25.0	ND	84	55-145		
tert-Butanol (TBA)	127	10	ug/l	125	ND	101	65-140		
Surrogate: 4-Bromofluorobenzene	25.8		ug/l	25.0		103	80-120		
Surrogate: Dibromofluoromethane	23.8		ug/l	25.0		95	80-120		
Surrogate: Toluene-d8	26.3		ug/l	25.0		105	80-120		

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METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11H0846 Extracted: 08/06/11										
Matrix Spike Dup Analyzed: 08/06/2011 (11H0846-MSD1)					Source: IUG2931-05					
Benzene	24.5	0.50	ug/l	25.0	0.330	97	65-125	4	20	
Ethylbenzene	26.4	0.50	ug/l	25.0	0.920	102	65-130	2	20	
Toluene	25.7	0.50	ug/l	25.0	ND	103	70-125	5	20	
m,p-Xylenes	47.5	1.0	ug/l	50.0	ND	95	65-130	5	25	
o-Xylene	25.1	0.50	ug/l	25.0	ND	101	65-125	4	20	
Xylenes, Total	72.6	1.0	ug/l	75.0	ND	97	60-130	5	20	
Methyl-tert-butyl Ether (MTBE)	23.2	1.0	ug/l	25.0	ND	93	55-145	10	25	
tert-Butanol (TBA)	127	10	ug/l	125	ND	101	65-140	0.2	25	
Surrogate: 4-Bromofluorobenzene	25.7		ug/l	25.0		103	80-120			
Surrogate: Dibromofluoromethane	23.9		ug/l	25.0		96	80-120			
Surrogate: Toluene-d8	26.2		ug/l	25.0		105	80-120			

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Blaine Tech San Jose/CRA Shell
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METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	Limit	RPD	RPD Limit	Data Qualifiers
Batch: 11H0063 Extracted: 08/01/11										
Blank Analyzed: 08/01/2011 (11H0063-BLK1)										
Sulfate	ND	500	ug/l							
LCS Analyzed: 08/01/2011 (11H0063-BS1)										
Sulfate	10000	500	ug/l	10000		100	90-110			
Matrix Spike Analyzed: 08/01/2011 (11H0063-MS1)										
Sulfate	11000	500	ug/l	10000	1710	93	80-120			
Matrix Spike Analyzed: 08/01/2011 (11H0063-MS2)										
Sulfate	24500	500	ug/l	10000	14600	99	80-120			
Matrix Spike Dup Analyzed: 08/01/2011 (11H0063-MSD1)										
Sulfate	11200	500	ug/l	10000	1710	95	80-120	1	20	

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Report Number: IUG2930

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DATA QUALIFIERS AND DEFINITIONS

- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

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

For Volatile Fuel Hydrocarbons (C4-C12):

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

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Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
EPA 300.0	Water	X	N/A
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

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