



**CONESTOGA-ROVERS
& ASSOCIATES**

5900 Hollis Street, Suite A
Emeryville, California 94608
Telephone: (510) 420-0700 Fax: (510) 420-9170
www.CRAworld.com

TRANSMITTAL

DATE: May 13, 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

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8:48 am, May 16, 2011
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Environmental Health

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QUANTITY	DESCRIPTION
1	Groundwater Monitoring Report - First 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 located below the "Sincerely," text.

Denis L. Brown
Senior Program Manager



GROUNDWATER MONITORING REPORT - FIRST QUARTER 2011

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

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

MAY 13, 2011
REF. NO. 240669 (1)
This report is printed on recycled paper.

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

5900 Hollis Street, Suite A
Emeryville, California
U.S.A. 94608

Office: (510) 420-0700
Fax: (510) 420-9170

web: <http://www.CRAworld.com>

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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 September 10, 2010.

2.0 SITE ACTIVITIES, FINDINGS, AND DISCUSSION

2.1 CURRENT QUARTER'S ACTIVITIES

Delta Consultants' (Delta's) November 12, 2010 *Final Quarterly MgSO₄ Feasibility Study Report* summarized the results of four rounds of magnesium sulfate (MgSO₄) injections utilizing wells EW-1 and S-3.

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

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

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Variable
Hydraulic Gradient	Variable
Depth to Water	7.04 to 9.09 feet below top of well casing

2.3 PROPOSED ACTIVITIES

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

2.4 DISCUSSION

In April, May, July, and September 2010, Delta conducted an MgSO₄ injection feasibility study on wells EW-1 and S-3. Based on subsequent groundwater sampling data, Delta concluded that the MgSO₄ injections had a limited radius of influence due to the low permeability of shallow soils and recommended that total petroleum hydrocarbon as gasoline (TPHg) concentrations in well EW-1 be monitored for two additional sampling events to determine if the MgSO₄ injections were effective at accelerating hydrocarbon degradation.

CRA reviewed the constituent of concern (COC) trends and notes that TPHg, benzene, toluene, ethylbenzene, xylenes (BTEX), and methyl tertiary-butyl ether (MTBE) concentrations in well EW-1 have rebounded to pre-injection historical norms, indicating that the MgSO₄ injections were not effective in substantially accelerating degradation of hydrocarbons in the source area.

BTEX were not detected in well S-3, located on the edge of the source area, while TPHg, MTBE, and tertiary-butyl alcohol concentrations remain within historical pre-injection ranges.

COC concentrations and sulfate in well S-1, located closest to the injection wells, are generally within historical pre-injection norms indicating that the radius of influence of the injections has not increased since the injections were completed.

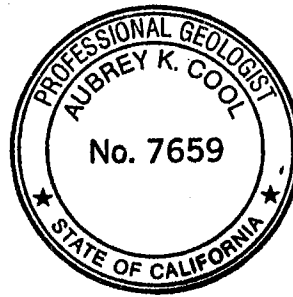
While sulfate concentrations in wells EW-1 and S-3 remain above pre-injection levels, degradation of COCs does not appear to be significantly accelerated, and other wells do not appear to have shown any effects from the injections. No additional MgSO₄ injections appear to be warranted.

CRA will re-evaluate the MgSO₄ injection feasibility study based on the third quarter 2011 groundwater analytical results. MgSO₄ injection feasibility study groundwater data are presented in Table 2.

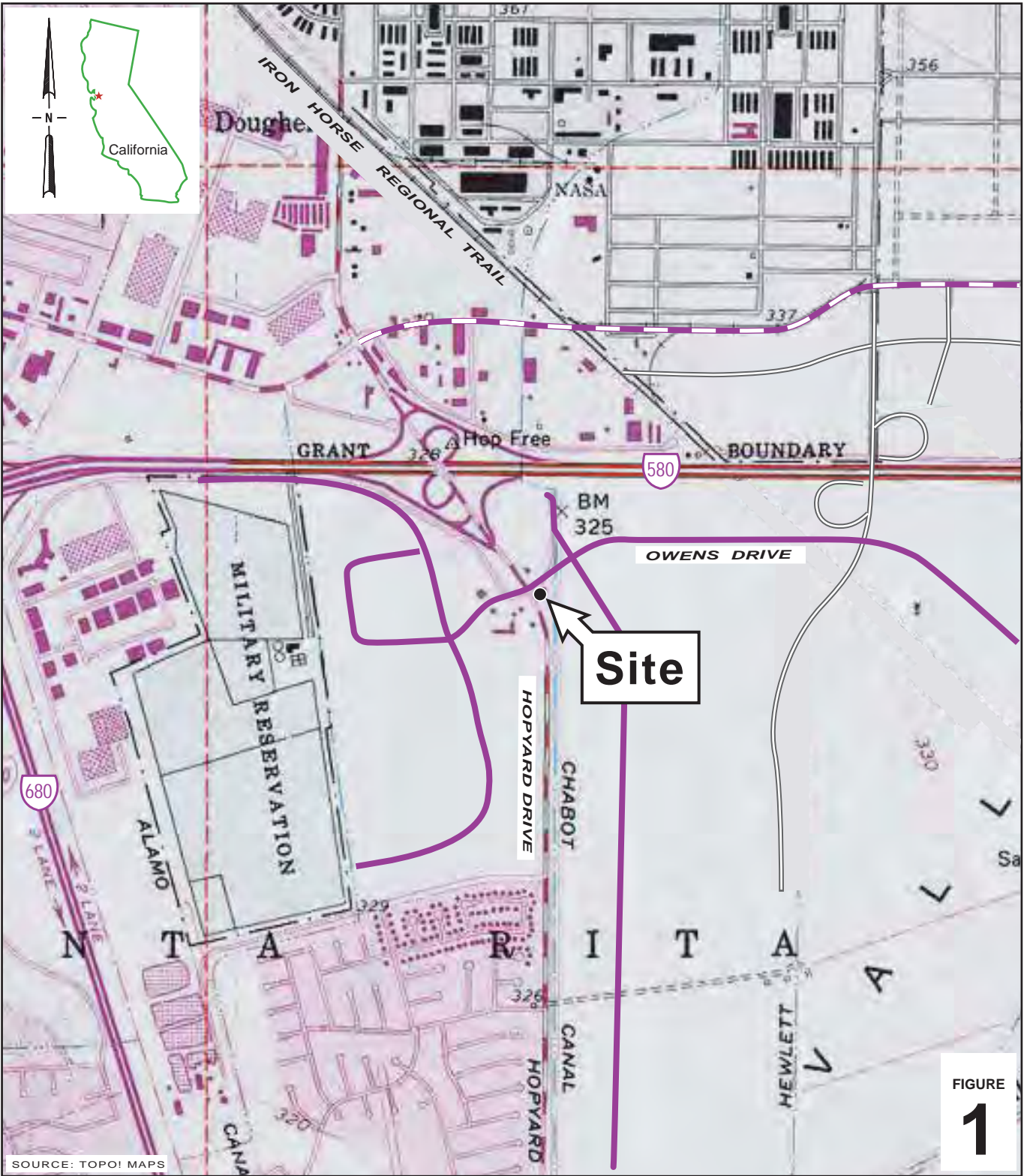
All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

Peter Schaefer
Peter Schaefer, CHG, CEG

Aubrey K. Cool
Aubrey K. Cool, PG



FIGURES



I:\Shell\6-charts\2406--1240669-Pleasanton_5251_Hopyard\240669-FIGURES\240669 VICINITY (F1).AI

FIGURE
1

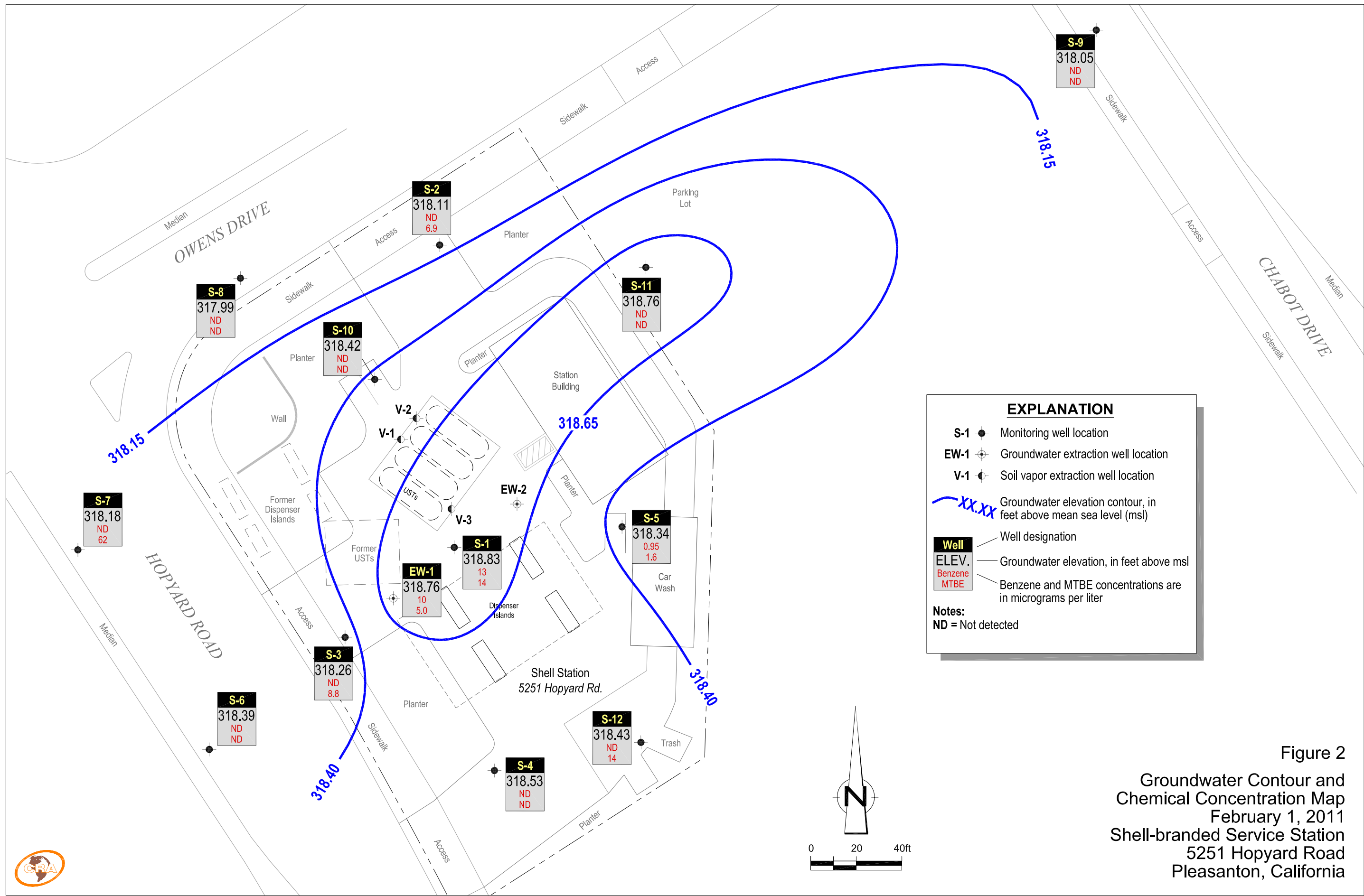
Shell-branded Service Station

5251 Hopyard Road
Pleasanton, California



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Vicinity Map



EXPLANATION

- S-1 ● Monitoring well location
- EW-1 ⊕ Groundwater extraction well location
- V-1 ⊕ Soil vapor extraction well location
- xx.xx*— Groundwater elevation contour, in feet above mean sea level (msl)
- Well — Well designation
- ELEV. — Groundwater elevation, in feet above msl
- Benzene — Benzene and MTBE concentrations are in micrograms per liter
- MTBE —

Notes:
 ND = Not detected

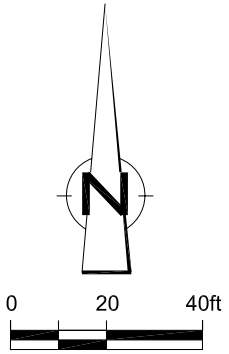


Figure 2
 Groundwater Contour and
 Chemical Concentration Map
 February 1, 2011
 Shell-branded Service Station
 5251 Hopyard Road
 Pleasanton, California



TABLES

TABLE 1

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

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE	MTBE	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
								8020 (ug/L)	8260 (ug/L)									
S-1	1/25/1991	2,500	1,500	460	<25	130	36	---	---	---	---	---	---	---	326.73	---	---	---
S-1	4/6/1991	6,700	2,600 a	2,600	14	580	250	---	---	---	---	---	---	---	326.73	---	---	---
S-1	7/24/1991	8,800	3,800 a	2,300	30	640	220	---	---	---	---	---	---	---	326.73	---	---	---
S-1	10/18/1991	12,000	3,300 a	3,600	380	990	580	---	---	---	---	---	---	---	326.73	8.85	317.88	---
S-1	1/23/1992	1,600	890	450	3	120	17	---	---	---	---	---	---	---	326.73	---	---	---
S-1	4/27/1992	1,100 g	500 a	610	<10	110	10	---	---	---	---	---	---	---	326.73	---	---	---
S-1	7/21/1992	5,100	290 c	1,900	54	460	140	---	---	---	---	---	---	---	326.73	---	---	---
S-1	10/16/1992	13,000	390 c	3,200	310	780	360	---	---	---	---	---	---	---	326.73	---	---	---
S-1	1/23/1993	2,300	30 d	640	<5.0	110	13	---	---	---	---	---	---	---	326.73	7.96	318.77	---
S-1	4/28/1993	4,600	390	780	<0.50	250	<0.50	---	---	---	---	---	---	---	326.73	9.07	317.66	---
S-1	9/22/1993	3,000	610 a	660	28	160	17	---	---	---	---	---	---	---	326.73	8.68	318.05	---
S-1	12/8/1993	520	280	210	<2.5	49	<2.5	---	---	---	---	---	---	---	326.73	8.23	318.50	---
S-1	3/4/1994	640	---	190	1.4	18	1.3	---	---	---	---	---	---	---	326.73	8.81	317.92	---
S-1 (D)	3/4/1994	640	---	180	1.7	17	1.3	---	---	---	---	---	---	---	326.73	8.81	317.92	---
S-1	6/16/1994	2,500	---	390	9.5	31	7.5	---	---	---	---	---	---	---	326.73	8.80	317.93	---
S-1 (D)	6/16/1994	2,000	---	410	7.8	120	20	---	---	---	---	---	---	---	326.73	8.80	317.93	---
S-1	9/13/1994	1,400	---	310	7.7	29	8.5	---	---	---	---	---	---	---	326.73	8.62	318.11	---
S-1 (D)	9/13/1994	1,400	---	240	7.9	44	6.3	---	---	---	---	---	---	---	326.73	8.62	318.11	---
S-1	5/5/1995	800	---	120	3.6	26	2.7	---	---	---	---	---	---	---	326.73	11.54	315.19	---
S-1 (D)	5/5/1995	710	---	110	3.4	19	2.7	---	---	---	---	---	---	---	326.73	11.54	315.19	---
S-1	5/21/1996	1,500	---	170	8.5	120	6.7	---	---	---	---	---	---	---	326.73	8.88	317.85	---
S-1	5/12/1997	4,700	---	200	15	210	20	2,300	---	---	---	---	---	---	326.73	11.19	315.54	2.4
S-1 (D)	5/12/1997	4,800	---	210	16	190	16	3,200	2,900	---	---	---	---	---	326.73	11.19	315.54	2.4
S-1	5/8/1998	500	---	18	2.1	2.3	2.0	1,000	---	---	---	---	---	---	326.73	8.38	318.35	2.1
S-1	6/27/1999	2,970	---	117	32.0	69.1	17.5	374	---	---	---	---	---	---	326.73	8.79	317.94	2.4
S-1	4/28/2000	1,920	---	50.5	15.0	67.2	46.7	276	---	---	---	---	---	---	326.73	8.50	318.23	2.8
S-1	5/30/2001	3,900	---	27	12	140	28	---	140	---	---	---	---	---	326.73	8.18	318.55	2.6
S-1	6/17/2002	2,700	---	25	11	51	14	---	140	---	---	---	---	---	326.73	8.39	318.34	3.2
S-1	5/30/2003	3,900	---	12	8.2	47	12	---	270	---	---	---	---	---	326.74	7.41	319.33	1.2
S-1	5/3/2004	3,700	---	32	21	170	34	---	410	---	---	---	---	---	326.74	11.18	315.56	2.4
S-1	1/14/2005	4,200	---	22	34	380	33	---	100	---	---	---	---	---	326.74	7.10	319.64	0.58
S-1	5/5/2005	5,000	---	33	110	970	210	---	190	<0.50	<0.50	0.95	630	---	326.74	11.32	315.42	---
S-1	08/05/2005 I	4,600	---	32	52	420	69	---	110	<40	<40	<40	410	---	326.74	9.04	317.70	---
S-1	9/16/2005	3,300	---	14	28	280	43	---	60	51	<10	<10	260	---	326.74	11.37	315.37	---
S-1	11/8/2005	4,700	---	19.2	47.0	416	84.0	---	50.2	<0.500	<0.500	<0.500	<10.0	---	326.74	9.06	317.68	---
S-1	1/31/2006	6,380	---	21.0	33.1	280	31.0	---	59.9	<0.500	<0.500	<0.500	306	---	326.74	8.12	318.62	---
S-1	5/16/2006	9,080	---	25.8	46.6	517	86.6 m	---	69.5	<0.500	<0.500	<0.500	268	---	326.74	7.95	318.79	---
S-1	8/23/2006	4,980	---	19.0	22.7	74.7	38.7	---	42.9	<0.500	<0.500	<0.500	252	---	326.74	7.95	318.79	---
S-1	11/13/2006	7,900	---	38	41	480	52	---	44	<5.0	<5.0	<5.0	480	---	326.74	7.99	318.75	---

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

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE	MTBE	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
								8020 (ug/L)	8260 (ug/L)									
S-1	2/1/2007	1,500	---	18	15	110	17	---	27	<10	<10	<10	640	---	326.74	8.19	318.55	---
S-1	5/23/2007	5,300 n	---	35	42	260	67.9	---	<5.0	<10	<10	<10	720	---	326.74	10.50	316.24	---
S-1	8/7/2007	6,900 n	---	26	31	240	40.9 o	---	30	<10	<10	<10	270	---	326.74	8.13	318.61	---
S-1	11/29/2007	840 n	---	16	18	120	14.5	---	26	<2.0	<2.0	<2.0	190	---	326.74	9.40	317.34	---
S-1	2/8/2008	4,500 n	---	25	39	410	37	---	28	<10	<10	<10	330	---	326.74	7.91	318.83	---
S-1	2/20/2008	5,700 n	---	29	56	650	89	---	35	<10	<10	<10	200	<500	326.74	8.70	318.04	---
S-1	3/7/2008	6,800 n	---	25	37	310	59.2	---	<5.0	<10	<10	<10	240	<500	326.74	10.54	316.20	---
S-1	3/21/2008	5,300	---	22	23	210	38.7	---	<2.0	<4.0	<4.0	<4.0	220	<200	326.74	9.79	316.95	---
S-1	4/8/2008	4,200	---	15	18	230	26.4	---	<2.0	<4.0	<4.0	<4.0	240	<200	326.74	8.27	318.47	---
S-1	4/21/2008	6,600	---	21	27	440	53	---	<2.0	<4.0	<4.0	<4.0	170	<200	326.74	8.17	318.57	---
S-1	5/6/2008	5,700	---	21	29	440	56	---	<5.0	<10	<10	<10	270	<500	326.74	8.00	318.74	---
S-1	5/21/2008	7,800	---	29	51	620	108	---	40	<10	<10	<10	190	<500	326.74	8.27	318.47	---
S-1	8/6/2008	7,600	---	17	27	140	30	---	24	<10	<10	<10	180	---	326.74	8.01	318.73	---
S-1	11/18/2008	6,500	---	27	35	310	45.0	---	22	<20	<20	<20	180	---	326.74	7.59	319.15	---
S-1	1/20/2009	5,100	---	19	21	140	22	---	21	<10	<10	<10	230	---	326.74	8.28	318.46	---
S-1	5/6/2009	6,100	---	26	37	520	51	---	27	<10	<10	<10	180	---	326.74	8.04	318.70	---
S-1	7/6/2009	5,800	---	25	34	370	44	---	22	<10	<10	<10	180	---	326.74	8.42	318.32	---
S-1	2/9/2010	8,800	---	18	33	340	37	---	13	---	---	---	66	---	326.74	8.18	318.56	---
S-1	8/12/2010	Unable to access	---	---	---	---	---	---	---	---	---	---	---	---	326.74	---	---	---
S-1	8/18/2010	4,000	---	15	26	87	34	---	10	---	---	---	---	---	326.74	7.92	318.82	---
S-1	2/1/2011	5,900 q	---	13	21	38	21	---	14	---	---	---	56	---	326.74	7.91	318.83	---
S-2	1/25/1991	<50	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	326.59	---	---	---
S-2	4/16/1991	<50	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	326.59	---	---	---
S-2	7/24/1991	<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	1/23/1992	<50	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	326.59	---	---	---
S-2	4/27/1992	<50	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	326.59	---	---	---
S-2	7/17/1992	<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	1/23/1993	<50	140 b	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	326.59	8.10	318.49	---
S-2	4/28/1993	<50	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	326.59	9.06	317.53	---
S-2	9/22/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	326.59	8.91	317.68	---
S-2	12/8/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	326.59	9.07	317.52	---
S-2	3/4/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	326.59	8.90	317.69	---
S-2	6/16/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	326.59	8.98	317.61	---
S-2	9/13/1994	<50	---	<0.50	2.5	<0.50	<0.50	---	---	---	---	---	---	---	326.59	8.78	317.81	---
S-2	5/5/1995	<50	---	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	326.59	8.60	317.99	---
S-2	5/21/1996	<50	---	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	326.59	8.75	317.84	---

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

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE	MTBE	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
								8020 (ug/L)	8260 (ug/L)									
S-2	5/12/1997	<50	---	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	326.59	8.72	317.87	3.4
S-2	5/8/1998	<50	---	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	326.59	8.63	317.96	3.1
S-2	6/27/1999	<50.0	---	<0.500	<0.500	<0.500	<0.500	<2.00	---	---	---	---	---	---	326.59	8.79	317.80	2.6
S-2	4/28/2000	<50.0	---	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	---	326.59	8.33	318.26	2.0
S-2	5/30/2001	<50	---	<0.50	<0.50	<0.50	<0.50	---	<0.50	---	---	---	---	---	326.59	8.56	318.03	1.8
S-2	6/17/2002	<50	---	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	---	326.59	8.87	317.72	i
S-2	5/30/2003	<50	---	<0.50	<0.50	<0.50	<1.0	---	18	---	---	---	---	---	326.47	7.89	318.58	1.7
S-2	5/3/2004	<250	---	<2.5	<2.5	<2.5	<5.0	---	510	---	---	---	---	---	326.47	5.44	321.03	0.1
S-2	1/14/2005	<250	---	<2.5	<2.5	<2.5	<5.0	---	270	---	---	---	---	---	326.47	7.88	318.59	---
S-2	5/5/2005	<50	---	<0.50	<0.50	<0.50	<0.50	---	280	<0.50	<0.50	0.55	8.9 j	---	326.47	8.14	318.33	---
S-2	08/05/2005 I	<50	---	<0.50	<0.50	<0.50	<1.0	---	320	<2.0	<2.0	<2.0	510	---	326.47	8.24	318.23	---
S-2	9/16/2005	<250	---	<2.5	<2.5	<2.5	<5.0	---	320	<10	<10	<10	1,800	---	326.47	8.06	318.41	---
S-2	11/8/2005	<50.0	---	<0.500	<0.500	<0.500	<0.500	---	375	<0.500	<0.500	0.610	1,130	---	326.47	8.20	318.27	---
S-2	1/31/2006	281	---	<0.500	<0.500	<0.500	<0.500	---	354	<0.500	<0.500	<0.500	3,090	---	326.47	8.18	318.29	---
S-2	5/16/2006	785	---	<0.500	<0.500	<0.500	<0.500	---	282	<0.500	<0.500	<0.500	3,250	---	326.47	8.34	318.13	---
S-2	8/23/2006	344	---	<0.500	<0.500	<0.500	<0.500	---	194	<0.500	<0.500	0.560	10,600	---	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	<5.0 f	<5.0 f	<5.0 f	6,000 f	---	326.50	8.37	318.13	---
S-2	2/1/2007	160	---	<0.50	<0.50	<0.50	<1.0	---	130	<2.0	<2.0	<2.0	3,900	---	326.50	8.13	318.37	---
S-2	5/23/2007	120 n	---	<0.50	<1.0	<1.0	<1.0	---	110	<2.0	<2.0	<2.0	1,500	---	326.50	8.55	317.95	---
S-2	8/7/2007	93 n,p	---	<2.5	<5.0	<5.0	<5.0	---	120	<10	<10	<10	1,700	---	326.50	8.26	318.24	---
S-2	11/29/2007	110 n,p	---	<0.50	<1.0	<1.0	<1.0	---	98	<2.0	<2.0	<2.0	880	---	326.50	8.29	318.21	---
S-2	2/8/2008	110 n,p	---	<0.50	<1.0	<1.0	<1.0	---	110	<2.0	<2.0	<2.0	830	---	326.50	8.07	318.43	---
S-2	2/20/2008	73 n,p	---	<0.50	<1.0	<1.0	<1.0	---	100	<2.0	<2.0	<2.0	650	<100	326.50	8.30	318.20	---
S-2	3/7/2008	<50 n	---	<0.50	<1.0	<1.0	<1.0	---	57	<2.0	<2.0	<2.0	240	<100	326.50	9.25	317.25	---
S-2	3/21/2008	73	---	<0.50	<1.0	<1.0	<1.0	---	91	<2.0	<2.0	<2.0	480	<100	326.50	9.01	317.49	---
S-2	4/8/2008	88	---	<0.50	<1.0	<1.0	<1.0	---	72	<2.0	<2.0	<2.0	310	<100	326.50	8.46	318.04	---
S-2	4/21/2008	60	---	<0.50	<1.0	<1.0	<1.0	---	8.6	<2.0	<2.0	<2.0	310	<100	326.50	9.60	316.90	---
S-2	5/6/2008	62	---	<0.50	<1.0	<1.0	<1.0	---	53	<2.0	<2.0	<2.0	300	<100	326.50	10.55	315.95	---
S-2	5/21/2008	130	---	<0.50	<1.0	<1.0	<1.0	---	61	<2.0	<2.0	<2.0	320	<100	326.50	9.43	317.07	---
S-2	8/6/2008	76	---	<0.50	<1.0	<1.0	<1.0	---	46	<2.0	<2.0	<2.0	77	---	326.50	8.41	318.09	---
S-2	11/18/2008	<50	---	<0.50	<1.0	<1.0	<1.0	---	42	<2.0	<2.0	<2.0	18	---	326.50	8.38	318.12	---
S-2	1/20/2009	57	---	<0.50	<1.0	<1.0	<1.0	---	46	<2.0	<2.0	<2.0	13	---	326.50	8.64	317.86	---
S-2	5/6/2009	64	---	<0.50	<1.0	<1.0	<1.0	---	58	<2.0	<2.0	<2.0	<10	---	326.50	8.31	318.19	---
S-2	7/6/2009	110	---	<0.50	<1.0	<1.0	<1.0	---	59	<2.0	<2.0	<2.0	<10	---	326.50	8.53	317.97	---
S-2	2/9/2010	62	---	<0.50	<1.0	<1.0	<1.0	---	42	---	---	---	<10	---	326.50	8.20	318.30	---
S-2	8/12/2010	Unable to access	---	---	---	---	---	---	---	---	---	---	---	---	326.50	---	---	---
S-2	8/18/2010	<50	---	<0.50	<1.0	<1.0	<1.0	---	24	---	---	---	---	---	326.50	8.40	318.10	---
S-2	2/1/2011	<50	---	<0.50	<0.50	<0.50	<1.0	---	6.9	---	---	---	<10	---	326.50	8.39	318.11	---

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

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE	MTBE	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
								8020 (ug/L)	8260 (ug/L)									
S-3	1/25/1991	870	330	230	<2.5	130	<2.5	---	---	---	---	---	---	---	327.38	---	---	---
S-3	4/16/1991	190	140 a	12	0.80	6.2	1.5	---	---	---	---	---	---	---	327.38	---	---	---
S-3	7/24/1991	1,700	1,200 a	450	4.4	150	2.9	---	---	---	---	---	---	---	327.38	---	---	---
S-3	10/18/1991	1,900	500	370	3.1	120	220	---	---	---	---	---	---	---	327.38	9.64	317.74	---
S-3	1/23/1992	2,000	650 a	580	3.0	200	<0.5	---	---	---	---	---	---	---	327.38	---	---	---
S-3	4/27/1992	1,100	230 a	150	<3.0	76	14	---	---	---	---	---	---	---	327.38	---	---	---
S-3	7/17/1992	810	58	200	<2.5	57	3.8	---	---	---	---	---	---	---	327.38	---	---	---
S-3	10/16/1992	440	190 c	79	1.8	18	4.6	---	---	---	---	---	---	---	327.38	---	---	---
S-3	1/23/1993	670	170 d	79	1.5	46	15	---	---	---	---	---	---	---	327.38	8.81	318.57	---
S-3	4/28/1993	2,000	<50	300	3.4	210	38	---	---	---	---	---	---	---	327.38	9.87	317.51	---
S-3	9/22/1993	4,800	670 a	2,000	34	150	51	---	---	---	---	---	---	---	327.38	9.65	317.73	---
S-3	12/8/1993	1,200	11	440	<5.0	120	29	---	---	---	---	---	---	---	327.38	9.26	318.12	---
S-3	3/4/1994	630	---	130	<0.50	17	0.80	---	---	---	---	---	---	---	327.38	9.64	317.74	---
S-3	6/16/1994	1,800	---	430	19	35	21	---	---	---	---	---	---	---	327.38	9.78	317.60	---
S-3	5/5/1995	160	---	50	0.90	7.2	4.1	---	---	---	---	---	---	---	327.38	9.38	318.00	---
S-3	5/21/1996	270	---	45	<0.50	1.4	<0.50	---	---	---	---	---	---	---	327.38	9.41	317.97	---
S-3 (D)	5/21/1996	210	---	<0.5	<0.50	0.95	<0.50	---	---	---	---	---	---	---	327.38	9.41	317.97	---
S-3	5/12/1997	420	---	<1.0	<1.0	<1.0	<1.0	57	---	---	---	---	---	---	327.38	9.30	318.08	2.5
S-3	5/8/1998	<50	---	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	327.38	9.12	318.26	2.2
S-3	6/27/1999	106	---	8.51	<0.500	<0.500	<0.500	31.0	---	---	---	---	---	---	327.38	9.39	317.99	2.1
S-3	4/28/2000	139	---	7.58	<0.500	<0.500	<0.500	42.6	---	---	---	---	---	---	327.38	9.04	318.34	1.8
S-3	5/30/2001	2,200	---	510	6.9	100	21	---	33	---	---	---	---	---	327.38	9.19	318.19	2.0
S-3	6/17/2002	600	---	150	2.1	30	11	---	36	---	---	---	---	---	327.38	9.35	318.03	0.1
S-3	5/30/2003	<50	---	<0.50	<0.50	<0.50	<1.0	---	9.0	---	---	---	---	---	327.04	8.39	318.65	1.2
S-3	5/3/2004	61 k	---	0.90	<0.50	<0.50	<1.0	---	9.8	---	---	---	---	---	327.04	8.73	318.31	1.2
S-3	1/14/2005	94	---	4.6	<0.50	3.1	1.0	---	13	---	---	---	---	---	327.04	8.00	319.04	---
S-3	5/5/2005	<50	---	<0.50	<0.50	<0.50	<0.50	---	5.7	<0.50	<0.50	<0.50	<5.0	---	327.04	8.31	318.73	---
S-3	08/05/2005 1	<50	---	0.51	<0.50	<0.50	<1.0	---	6.0	<2.0	<2.0	<2.0	42	---	327.04	8.32	318.72	---
S-3	9/16/2005	<50	---	0.62	<0.50	<0.50	<1.0	---	7.9	<2.0	<2.0	<2.0	<5.0	---	327.04	8.29	318.75	---
S-3	11/8/2005	166	---	63.0	1.32	7.20	2.99	---	8.67	<0.500	<0.500	<0.500	<10.0	---	327.04	8.17	318.87	---
S-3	1/31/2006	<50.0	---	<0.500	<0.500	<0.500	<0.500	---	7.05	<0.500	<0.500	<0.500	<10.0	---	327.04	8.05	318.99	---
S-3	5/16/2006	<50.0	---	3.23	<0.500	1.42	1.63 m	---	3.92	<0.500	<0.500	<0.500	<10.0	---	327.04	8.62	318.42	---
S-3	8/23/2006	<50.0	---	18.9	<0.500	1.72	0.800	---	7.65	<0.500	<0.500	<0.500	<10.0	---	327.04	8.54	318.50	---
S-3	11/13/2006	530	---	130 f	3.4 f	10 f	4.6 f	---	17 f	<2.0 f	<2.0 f	<2.0 f	<80 f	---	327.01	8.65	318.36	---
S-3	2/1/2007	430	---	230	4.4	4.0	<5.0	---	17	<10	<10	<10	<25	---	327.01	8.41	318.60	---
S-3	5/23/2007	1,400 n	---	370	11	17	11.58 o	---	21	<2.0	<2.0	<2.0	12	---	327.01	8.37	318.64	---
S-3	8/7/2007	1,000 n	---	150	4.6 o	4.1 o	4.0 o	---	21	<10	<10	<10	<50	---	327.01	8.59	318.42	---
S-3	11/29/2007	710 n	---	110	3.1	3.8	5.3 o	---	17	<2.0	<2.0	<2.0	<10	---	327.01	8.78	318.23	---
S-3	2/8/2008	300 n	---	2.7	<1.0	<1.0	<1.0	---	19	<2.0	<2.0	<2.0	<10	---	327.01	8.05	318.96	---

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

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE	MTBE	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to	GW	DO
								8020 (ug/L)	8260 (ug/L)							Water (ft.)	Elevation (MSL)	Reading (ppm)
S-3	2/20/2008	620 n	---	150	4.1	11	11	---	19	<2.0	<2.0	<2.0	<10	<100	327.01	8.57	318.44	---
S-3	3/7/2008	170 n	---	15	<1.0	2.5	4.0	---	12	<2.0	<2.0	<2.0	<10	<100	327.01	8.87	318.14	---
S-3	3/21/2008	68	---	4.8	<1.0	1.3	1.6	---	8.6	<2.0	<2.0	<2.0	<10	<100	327.01	9.00	318.01	---
S-3	4/8/2008	170	---	7.8	<1.0	2.6	4.0	---	8.1	<2.0	<2.0	<2.0	<10	<100	327.01	8.55	318.46	---
S-3	4/21/2008	350	---	2.8	<1.0	1.2	1.9	---	12	<2.0	<2.0	<2.0	<10	<100	327.01	8.65	318.36	---
S-3	5/6/2008	210	---	2.3	<1.0	<1.0	<1.0	---	9.1	<2.0	<2.0	<2.0	<10	<100	327.01	8.60	318.41	---
S-3	5/21/2008	430	---	21	<1.0	3.5	4.2	---	17	<2.0	<2.0	<2.0	<10	<100	327.01	8.81	318.20	---
S-3	8/6/2008	210	---	<0.50	<1.0	<1.0	<1.0	---	13	<2.0	<2.0	<2.0	11	---	327.01	8.71	318.30	---
S-3	11/18/2008	930	---	130	3.5	15	19	---	18	<2.0	<2.0	<2.0	10	---	327.01	8.79	318.22	---
S-3	1/20/2009	950	---	100	1.2	1.8	<1.0	---	18	<2.0	<2.0	<2.0	16	---	327.01	9.10	317.91	---
S-3	5/6/2009	2,000	---	490	5.9	14	4.8	---	21	<2.0	<2.0	<2.0	14	---	327.01	8.51	318.50	---
S-3	7/6/2009	2,300	---	500	10	30	13	---	21	<10	<10	<10	<50	---	327.01	8.80	318.21	---
S-3	2/9/2010	1,400	---	180	4.7	11	13	---	12	---	---	---	32	---	327.01	8.36	318.65	---
S-3	8/12/2010	1,300	---	270	3.5	47	46	---	4.5	---	---	---	21	---	327.01	8.46	318.55	---
S-3	8/18/2010	---	---	---	---	---	---	---	---	---	---	---	---	---	327.01	8.43	318.58	---
S-3	2/1/2011	900	---	<0.50	<0.50	<0.50	<1.0	---	8.8	---	---	---	20	---	327.01	8.75	318.26	---
S-4	1/25/1991	<50	<50	<0.50	1.5	<0.50	2.8	---	---	---	---	---	---	---	327.38	---	---	---
S-4	4/16/1991	<50	0.7	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	327.38	---	---	---
S-4	7/24/1991	<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	1/23/1992	<50	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	327.38	---	---	---
S-4	4/27/1992	<50	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	327.38	---	---	---
S-4	7/17/1992	<500	74	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	327.38	---	---	---
S-4	10/16/1992	<500	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	327.38	---	---	---
S-4	1/23/1993	<500	94 b	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	327.38	8.32	319.06	---
S-4	4/28/1993	<50	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	327.38	9.76	317.62	---
S-4	9/22/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	327.38	9.30	318.08	---
S-4	12/8/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	327.38	9.74	317.64	---
S-4	3/4/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	327.38	9.60	317.78	---
S-4	6/16/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	327.38	9.42	317.96	---
S-4	5/5/1995	<50	---	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	327.38	9.02	318.36	---
S-4	5/21/1996	<50	---	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	327.38	9.29	318.09	---
S-4	5/12/1997	<50	---	<0.50	<0.50	<0.50	<0.50	140	---	---	---	---	---	---	327.38	7.95	319.43	2.5
S-4	5/8/1998	<50	---	<0.50	<0.50	<0.50	<0.50	250	---	---	---	---	---	---	327.38	8.96	318.42	2.0
S-4	6/27/1999	303	---	35.8	24.8	12.4	69.8	106	---	---	---	---	---	---	327.38	8.90	318.48	2.6
S-4	4/28/2000	<50.0	---	<0.500	<0.500	<0.500	<0.500	40.2	---	---	---	---	---	---	327.38	8.37	319.01	1.9
S-4	5/30/2001	<50	---	<0.50	<0.50	<0.50	<0.50	---	6.8	---	---	---	---	---	327.38	8.83	318.55	1.8
S-4	6/17/2002	<50	---	<0.50	<0.50	<0.50	<0.50	---	31	---	---	---	---	---	327.38	9.37	318.01	4.8

TABLE 1

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

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-4	5/30/2003	<50	---	<0.50	<0.50	<0.50	<1.0	---	130	---	---	---	---	---	327.24	8.46	318.78	1.4
S-4	5/3/2004	<50	---	<0.50	<0.50	<0.50	<1.0	---	170	---	---	---	---	---	327.24	8.70	318.54	1.1
S-4	1/14/2005	<50	---	<0.50	<0.50	<0.50	<1.0	---	25	---	---	---	---	---	327.24	8.17	319.07	---
S-4	5/5/2005	<50	---	<0.50	<0.50	<0.50	<0.50	---	15	<0.50	<0.50	<0.50	<5.0	---	327.24	8.25	318.99	---
S-4	8/5/2005	<50	---	<0.50	<0.50	<0.50	<1.0	---	6.1	<2.0	<2.0	<2.0	<5.0	---	327.24	8.14	319.10	---
S-4	11/8/2005	<50.0	---	<0.500	<0.500	<0.500	<0.500	---	1.01	<0.500	<0.500	<0.500	<10.0	---	327.24	8.33	318.91	---
S-4	1/31/2006	<50.0	---	<0.500	<0.500	<0.500	<0.500	---	<0.500	<0.500	<0.500	<0.500	<10.0	---	327.24	8.29	318.95	---
S-4	5/16/2006	<50.0	---	<0.500	<0.500	<0.500	<0.500	---	<0.500	<0.500	<0.500	<0.500	<10.0	---	327.24	8.46	318.78	---
S-4	8/23/2006	<50.0	---	<0.500	<0.500	<0.500	<0.500	---	<0.500	<0.500	<0.500	<0.500	<10.0	---	327.24	8.34	318.90	---
S-4	11/13/2006	<50	---	<0.50	<0.50	<0.50	<0.50	---	<0.50	<0.50	<0.50	<0.50	<20	---	327.24	8.23	319.01	---
S-4	2/1/2007	<50	---	<0.50	<0.50	<0.50	<1.0	---	<0.50	<2.0	<2.0	<2.0	<5.0	---	327.24	8.56	318.68	---
S-4	5/23/2007	<50 n	---	<0.50	<1.0	<1.0	<1.0	---	0.60 o	<2.0	<2.0	<2.0	<10	---	327.24	7.92	319.32	---
S-4	8/7/2007	<50 n	---	<0.50	<1.0	<1.0	<1.0	---	0.32 o	<2.0	<2.0	<2.0	<10	---	327.24	8.52	318.72	---
S-4	11/29/2007	<50 n	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	---	327.24	8.58	318.66	---
S-4	2/8/2008	<50 n	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	---	327.24	8.07	319.17	---
S-4	5/21/2008	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	<100	327.24	8.80	318.44	---
S-4	8/6/2008	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	---	327.24	8.73	318.51	---
S-4	11/18/2008	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	---	327.24	8.77	318.47	---
S-4	1/20/2009	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	---	327.24	9.32	317.92	---
S-4	5/6/2009	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	---	327.24	8.45	318.79	---
S-4	7/6/2009	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	---	327.24	8.79	318.45	---
S-4	2/9/2010	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	<10	---	327.24	8.59	318.65	---
S-4	8/12/2010	Unable to access	---	---	---	---	---	---	---	---	---	---	---	---	327.24	---	---	---
S-4	8/18/2010	---	---	---	---	---	---	---	---	---	---	---	---	---	327.24	8.50	318.74	---
S-4	2/1/2011	<50	---	<0.50	<0.50	<0.50	<1.0	---	<1.0	---	---	---	<10	---	327.24	8.71	318.53	---
S-5	1/25/1991	<50	<50	<0.50	<0.50	<0.50	0.70	---	---	---	---	---	---	---	327.76	---	---	---
S-5	4/16/1991	<50	<50	<0.50	<0.50	<0.50	0.80	---	---	---	---	---	---	---	327.76	---	---	---
S-5	7/24/1991	<50	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	327.76	---	---	---
S-5	10/18/1991	120 e	<50	4.3	<0.50	1.0	0.70	---	---	---	---	---	---	---	327.76	10.00	317.76	---
S-5	1/23/1992	<50	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	327.76	---	---	---
S-5	4/27/1992	50	<50	<0.50	<0.50	<0.50	0.60	---	---	---	---	---	---	---	327.76	---	---	---
S-5	7/17/1992	<50	70	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	327.76	---	---	---
S-5	10/16/1992	230	57	13	<0.50	4.9	4.3	---	---	---	---	---	---	---	327.76	---	---	---
S-5	1/23/1993	<50	150 b	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	327.76	8.88	318.88	---
S-5	4/28/1993	<50	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	327.76	10.20	317.56	---
S-5	9/22/1993	<50	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	327.76	9.92	317.84	---
S-5	12/8/1993	<50	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	327.76	10.19	317.57	---
S-5	3/4/1994	<50	---	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	327.76	9.95	317.81	---

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

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE	MTBE	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
								8020 (ug/L)	8260 (ug/L)									
S-5	6/16/1994	<50	---	0.90	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	327.76	10.02	317.74	---
S-5	5/5/1995	<50	---	<0.5	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	327.76	9.58	318.18	---
S-5	5/21/1996	<50	---	<0.5	<0.50	<0.5	<0.50	---	---	---	---	---	---	---	327.76	9.84	317.92	---
S-5	5/12/1997	360	---	3.3	<0.50	17	9.8	130	---	---	---	---	---	---	327.76	9.16	318.60	4.2
S-5	5/8/1998	<50	---	<0.50	<0.50	<0.50	<0.50	92	---	---	---	---	---	---	327.76	9.25	318.51	3.8
S-5 (D)	5/8/1998	<50	---	<0.50	<0.50	<0.50	<0.50	100	---	---	---	---	---	---	327.76	9.25	318.51	3.8
S-5	6/27/1999	223	---	13.7	12.9	8.20	45.8	106	---	---	---	---	---	---	327.76	9.39	318.37	3.0
S-5	4/28/2000	<50.0	---	<0.500	<0.500	<0.500	<0.500	255	---	---	---	---	---	---	327.76	9.43	318.33	1.2
S-5	5/30/2001	<100	---	<1.0	<1.0	<1.0	<1.0	---	480	---	---	---	---	---	327.76	9.47	318.29	1.1
S-5	6/17/2002	<50	---	<0.50	<0.50	<0.50	<0.50	---	210	---	---	---	---	---	327.76	9.74	318.02	0.2
S-5	5/30/2003	<250	---	<2.5	<2.5	<2.5	<5.0	---	450	---	---	---	---	---	327.43	8.87	318.56	1.7
S-5	5/3/2004	<250	---	<2.5	<2.5	<2.5	<5.0	---	470	---	---	---	---	---	327.43	9.10	318.33	0.7
S-5	1/14/2005	<100	---	<1.0	<1.0	<1.0	<2.0	---	230	---	---	---	---	---	327.43	8.43	319.00	---
S-5	5/5/2005	76	---	16	<0.50	<0.50	<0.50	---	120	<0.50	<0.50	<0.50	630	---	327.43	8.71	318.72	---
S-5	08/05/2005 I	1,900	---	57	7.5	22	17	---	240	<4	<4	<4	480	---	327.43	8.90	318.53	---
S-5	9/16/2005	1,400	---	87	2.0	7.8	5.8	---	75	<4.0	<4.0	<4.0	630	---	327.43	8.84	318.59	---
S-5	11/8/2005	315	---	35.8	<0.500	<0.500	1.07	---	49.1	<0.500	<0.500	<0.500	<10.0	---	327.43	8.86	318.57	---
S-5	1/31/2006	335	---	7.74	<0.500	<0.500	<0.500	---	48.2	<0.500	<0.500	<0.500	337	---	327.43	8.66	318.77	---
S-5	5/16/2006	349	---	3.54	<0.500	<0.500	<0.500	---	24.7	<0.500	<0.500	<0.500	182	---	327.43	9.00	318.43	---
S-5	8/23/2006	<50.0	---	5.39	<0.500	<0.500	<0.500	---	17.0	<0.500	<0.500	<0.500	91.0	---	327.43	8.97	318.46	---
S-5	11/13/2006	420	---	19	1.7	<0.50	1.7	---	19	<0.50	<0.50	<0.50	80	---	327.43	8.77	318.66	---
S-5	2/1/2007	280	---	14	2.1	<0.50	1.4	---	13	<2.0	<2.0	<2.0	42	---	327.43	9.30	318.13	---
S-5	5/23/2007	590 n	---	19	2.0	<1.0	0.92 o	---	11	<2.0	<2.0	<2.0	24	---	327.43	8.73	318.70	---
S-5	8/7/2007	450 n	---	10	1.0	<1.0	<1.0	---	13	<2.0	<2.0	<2.0	17	---	327.43	9.00	318.43	---
S-5	11/29/2007	340 n	---	4.1	0.34 o	<1.0	<1.0	---	7.1	<2.0	<2.0	<2.0	<10	---	327.43	9.06	318.37	---
S-5	2/8/2008	270 n	---	4.7	<1.0	<1.0	<1.0	---	6.0	<2.0	<2.0	<2.0	<10	---	327.43	8.75	318.68	---
S-5	2/20/2008	340 n	---	4.6	<1.0	<1.0	<1.0	---	5.5	<2.0	<2.0	<2.0	<10	<100	327.43	9.03	318.40	---
S-5	3/7/2008	220 n	---	1.8	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	<100	327.43	9.20	318.23	---
S-5	3/21/2008	150	---	0.71	<1.0	<1.0	<1.0	---	5.2	<2.0	<2.0	<2.0	<10	<100	327.43	9.43	318.00	---
S-5	4/8/2008	120	---	0.76	<1.0	<1.0	<1.0	---	5.2	<2.0	<2.0	<2.0	<10	<100	327.43	9.11	318.32	---
S-5	4/21/2008	190	---	0.63	<1.0	<1.0	<1.0	---	3.4	<2.0	<2.0	<2.0	<10	<100	327.43	9.17	318.26	---
S-5	5/6/2008	150	---	1.0	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	190	327.43	8.80	318.63	---
S-5	5/21/2008	250	---	1.6	<1.0	<1.0	<1.0	---	3.8	<2.0	<2.0	<2.0	<10	<100	327.43	9.20	318.23	---
S-5	8/6/2008	<50	---	<0.50	<1.0	<1.0	<1.0	---	6.2	<2.0	<2.0	<2.0	<10	---	327.43	9.11	318.32	---
S-5	11/18/2008	93	---	<0.50	<1.0	<1.0	<1.0	---	3.5	<2.0	<2.0	<2.0	<10	---	327.43	9.06	318.37	---
S-5	1/20/2009	59	---	<0.50	<1.0	<1.0	<1.0	---	2.7	<2.0	<2.0	<2.0	<10	---	327.43	9.60	317.83	---
S-5	5/6/2009	<50	---	<0.50	<1.0	<1.0	<1.0	---	2.5	<2.0	<2.0	<2.0	<10	---	327.43	8.94	318.49	---
S-5	7/6/2009	62	---	<0.50	<1.0	<1.0	<1.0	---	2.5	<2.0	<2.0	<2.0	11	---	327.43	9.18	318.25	---
S-5	2/9/2010	130	---	2.3	<1.0	<1.0	<1.0	---	2.4	---	---	---	<10	---	327.43	8.90	318.53	---

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

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-5	8/12/2010	220	---	3.3	<1.0	<1.0	<1.0	---	2.8	---	---	---	<10	---	327.43	9.22	318.21	---
S-5	8/18/2010	---	---	---	---	---	---	---	---	---	---	---	---	---	327.43	9.12	318.31	---
S-5	2/1/2011	130	---	0.95	<0.50	<0.50	<1.0	---	1.6	---	---	---	<10	---	327.43	9.09	318.34	---
S-6	1/25/1991	<50	<50	<0.50	1.7	<0.5	2.8	---	---	---	---	---	---	---	326.56	---	---	---
S-6	4/16/1991	<50	<50	<0.50	<0.50	<0.50	0.6	---	---	---	---	---	---	---	326.56	---	---	---
S-6	7/24/1991	<50	<50	<0.50	<0.50	<0.50	0.5	---	---	---	---	---	---	---	326.56	---	---	---
S-6	10/18/1991	<50	<50	<0.50	<0.50	<0.50	0.5	---	---	---	---	---	---	---	326.56	8.84	317.72	---
S-6	1/23/1992	<50	<50	<0.50	<0.50	<0.50	0.5	---	---	---	---	---	---	---	326.56	---	---	---
S-6	4/27/1992	<50	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	326.56	---	---	---
S-6	7/17/1992	400	130	<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	1/23/1993	<50	230 b	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	326.56	7.82	318.74	---
S-6	4/28/1993	<50	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	326.56	9.00	317.56	---
S-6	9/22/1993	<50	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	326.56	8.61	317.95	---
S-6	12/8/1993	<50	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	326.56	10.02	316.54	---
S-6	3/4/1994	<50	---	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	326.56	8.88	317.68	---
S-6	6/16/1994	<50	---	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	326.56	9.04	317.52	---
S-6	5/5/1995	<50	---	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	326.56	8.54	318.02	---
S-6	5/21/1996	<50	---	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	326.56	8.62	317.94	---
S-6	5/12/1997	<50	---	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	326.56	8.60	317.96	2.6
S-6	5/8/1998	<50	---	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	326.56	7.90	318.66	2.2
S-6	6/27/1999	430	---	50.1	30.5	15.2	83.5	8.05	---	---	---	---	---	---	326.56	8.01	318.55	2.3
S-6	4/28/2000	<50.0	---	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	---	326.56	8.84	317.72	2.0
S-6	5/30/2001	<50	---	<0.50	<0.50	<0.50	<0.50	---	<0.50	---	---	---	---	---	326.56	8.54	318.02	1.9
S-6	6/17/2002	<50	---	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	---	326.56	8.48	318.08	1.3
S-6	5/30/2003	<50	---	<0.50	<0.50	<0.50	<1.0	---	8.7	---	---	---	---	---	326.35	7.36	318.99	1.0
S-6	5/3/2004	<50	---	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	---	326.35	8.08	318.27	0.9
S-6	1/14/2005	<50	---	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	---	326.35	7.38	318.97	---
S-6	5/5/2005	<50	---	<0.50	<0.50	<0.50	<0.50	---	<0.50	<0.50	<0.50	<0.50	<5.0	---	326.35	7.55	318.80	---
S-6	8/5/2005	<50	---	<0.50	<0.50	<0.50	<1.0	---	<0.50	<2.0	<2.0	<2.0	<5.0	---	326.35	7.61	318.74	---
S-6	11/8/2005	<50.0	---	<0.500	<0.500	<0.500	<0.500	---	<0.500	<0.500	<0.500	<0.500	<10.0	---	326.35	7.64	318.71	---
S-6	1/31/2006	<50.0	---	<0.500	<0.500	<0.500	<0.500	---	<0.500	<0.500	<0.500	<0.500	30.5	---	326.35	7.90	318.45	---
S-6	5/16/2006	<50.0	---	<0.500	<0.500	<0.500	<0.500	---	<0.500	<0.500	<0.500	<0.500	<10.0	---	326.35	8.16	318.19	---
S-6	8/23/2006	<50.0	---	<0.500	<0.500	<0.500	<0.500	---	<0.500	<0.500	<0.500	<0.500	10.9	---	326.35	7.77	318.58	---
S-6	11/13/2006	<50	---	<0.50	<0.50	<0.50	<0.50	---	<0.50	<0.50	<0.50	<0.50	<20	---	326.35	8.15	318.20	---
S-6	2/1/2007	<50	---	<0.50	<0.50	<0.50	<1.0	---	1.2	<2.0	<2.0	<2.0	<5.0	---	326.35	8.36	317.99	---
S-6	5/23/2007	<50 n	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	---	326.35	7.80	318.55	---
S-6	8/7/2007	<50 n	---	<0.50	<1.0	<1.0	<1.0	---	0.39 o	<2.0	<2.0	<2.0	<10	---	326.35	8.07	318.28	---

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

<i>Well ID</i>	<i>Date</i>	<i>TPPH (ug/L)</i>	<i>TEPH (ug/L)</i>	<i>B (ug/L)</i>	<i>T (ug/L)</i>	<i>E (ug/L)</i>	<i>X (ug/L)</i>	<i>MTBE 8020 (ug/L)</i>	<i>MTBE 8260 (ug/L)</i>	<i>DIPE (ug/L)</i>	<i>ETBE (ug/L)</i>	<i>TAME (ug/L)</i>	<i>TBA (ug/L)</i>	<i>Ethanol (ug/L)</i>	<i>TOC (MSL)</i>	<i>Depth to Water (ft.)</i>	<i>GW Elevation (MSL)</i>	<i>DO Reading (ppm)</i>
S-6	11/29/2007	<50 n	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	---	326.35	8.17	318.18	---
S-6	2/8/2008	<50 n	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	---	326.35	7.67	318.68	---
S-6	5/21/2008	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	<100	326.35	8.17	318.18	---
S-6	8/6/2008	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	---	326.35	7.89	318.46	---
S-6	11/18/2008	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	---	326.35	8.30	318.05	---
S-6	1/20/2009	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	---	326.35	8.01	318.34	---
S-6	5/6/2009	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	---	326.35	7.96	318.39	---
S-6	7/6/2009	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	---	326.35	8.32	318.03	---
S-6	2/9/2010	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	<10	---	326.35	7.99	318.36	---
S-6	8/12/2010	---	---	---	---	---	---	---	---	---	---	---	---	---	326.35	7.84	318.51	---
S-6	2/1/2011	<50	---	<0.50	<0.50	<0.50	<1.0	---	<1.0	---	---	---	<10	---	326.35	7.96	318.39	---
S-7	1/25/1991	<50	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	326.49	---	---	---
S-7	4/16/1991	<50	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	326.49	---	---	---
S-7	7/24/1991	<50	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	326.49	---	---	---
S-7	10/18/1991	<50	140 f	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	326.49	8.92	317.57	---
S-7	1/23/1992	<50	140 f	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	326.49	---	---	---
S-7	4/27/1992	<50	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	326.49	---	---	---
S-7	7/17/1992	<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	1/23/1993	<50	110 b	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	326.49	8.06	318.43	---
S-7	4/28/1993	<50	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	326.49	8.94	317.55	---
S-7	9/22/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	326.49	8.57	317.92	---
S-7	12/8/1993	---	---	---	---	---	---	---	---	---	---	---	---	---	326.49	9.00	317.49	---
S-7	3/4/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	326.49	8.96	317.53	---
S-7	6/16/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	326.49	9.12	317.37	---
S-7	5/5/1995	<50	---	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	326.49	8.58	317.91	---
S-7	5/21/1996	<50	---	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	326.49	8.64	317.85	---
S-7	5/12/1997	<50	---	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	326.49	8.74	317.75	2.3
S-7	5/8/1998	<50	---	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	326.49	8.00	318.49	2.5
S-7	6/27/1999	<50.0	---	<0.500	<0.500	<0.500	<0.500	<2.00	---	---	---	---	---	---	326.49	8.75	317.74	2.9
S-7	4/28/2000	<50.0	---	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	---	326.49	8.96	317.53	2.2
S-7	5/30/2001	<50	---	<0.50	<0.50	<0.50	<0.50	---	<0.50	---	---	---	---	---	326.49	8.65	317.84	2.0
S-7	6/17/2002	<50	---	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	---	326.49	8.55	317.94	2.3
S-7	5/30/2003	<50	---	<0.50	<0.50	<0.50	<1.0	---	12	---	---	---	---	---	326.36	7.88	318.48	1.8
S-7	5/3/2004	<50	---	<0.50	<0.50	<0.50	<1.0	---	100	---	---	---	---	---	326.36	8.30	318.06	1.2
S-7	1/14/2005	<50	---	<0.50	<0.50	<0.50	<1.0	---	41	---	---	---	---	---	326.36	7.70	318.66	---
S-7	5/5/2005	<50	---	<0.50	<0.50	<0.50	<0.50	---	91	<0.50	<0.50	6.8	<5.0	---	326.36	7.60	318.76	---
S-7	8/5/2005	<50	---	<0.50	<0.50	<0.50	<1.0	---	100	<2.0	<2.0	7.5	<5.0	---	326.36	8.42	317.94	---

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

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE	MTBE	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
								8020 (ug/L)	8260 (ug/L)									
S-7	11/8/2005	<50.0	---	<0.500	<0.500	<0.500	<0.500	---	124	<0.500	<0.500	8.70	<10.0	---	326.36	7.61	318.75	---
S-7	1/31/2006	<50.0	---	<0.500	<0.500	<0.500	<0.500	---	93.0	<0.500	<0.500	4.50	<10.0	---	326.36	7.85	318.51	---
S-7	5/16/2006	<50.0	---	<0.500	<0.500	<0.500	<0.500	---	76.3	<0.500	<0.500	2.98	<10.0	---	326.36	8.08	318.28	---
S-7	8/23/2006	<50.0	---	<0.500	<0.500	<0.500	<0.500	---	34.7	<0.500	<0.500	2.02	<10.0	---	326.36	7.93	318.43	---
S-7	11/13/2006	<50	---	<0.50	<0.50	<0.50	<0.50	---	27	<0.50	<0.50	1.6	<20	---	326.36	8.15	318.21	---
S-7	2/1/2007	<50	---	<0.50	<0.50	<0.50	<1.0	---	45	<2.0	<2.0	2.9	28	---	326.36	8.35	318.01	---
S-7	5/23/2007	<50 n	---	<0.50	<1.0	<1.0	<1.0	---	1.7	<2.0	<2.0	<2.0	<10	---	326.36	8.11	318.25	---
S-7	8/7/2007	<50 n	---	<0.50	<1.0	<1.0	<1.0	---	23	<2.0	<2.0	<2.0	<10	---	326.36	8.36	318.00	---
S-7	11/29/2007	<50 n	---	<0.50	<1.0	<1.0	<1.0	---	10	<2.0	<2.0	<2.0	<10	---	326.36	8.19	318.17	---
S-7	2/8/2008	<50 n	---	<0.50	<1.0	<1.0	<1.0	---	9.2	<2.0	<2.0	<2.0	<10	---	326.36	7.73	318.63	---
S-7	5/21/2008	<50	---	<0.50	<1.0	<1.0	<1.0	---	8.8	<2.0	<2.0	<2.0	<10	<100	326.36	8.10	318.26	---
S-7	8/6/2008	<50	---	<0.50	<1.0	<1.0	<1.0	---	1.2	<2.0	<2.0	<2.0	<10	---	326.36	8.49	317.87	---
S-7	11/18/2008	<50	---	<0.50	<1.0	<1.0	<1.0	---	7.6	<2.0	<2.0	<2.0	<10	---	326.36	8.31	318.05	---
S-7	1/20/2009	<50	---	<0.50	<1.0	<1.0	<1.0	---	7.7	<2.0	<2.0	<2.0	<10	---	326.36	8.39	317.97	---
S-7	5/6/2009	<50	---	<0.50	<1.0	<1.0	<1.0	---	6.4	<2.0	<2.0	<2.0	<10	---	326.36	8.39	317.97	---
S-7	7/6/2009	58	---	<0.50	<1.0	<1.0	<1.0	---	4.3	<2.0	<2.0	<2.0	<10	---	326.36	8.63	317.73	---
S-7	2/9/2010	<50	---	<0.50	<1.0	<1.0	<1.0	---	8.4	---	---	---	<10	---	326.36	8.15	318.21	---
S-7	8/12/2010	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	<10	---	326.36	7.98	318.38	---
S-7	2/1/2011	<50	---	<0.50	<0.50	<0.50	<1.0	---	62	---	---	---	33	---	326.36	8.18	318.18	---
S-8	1/25/1991	<50	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	325.32	---	---	---
S-8	4/16/1991	<50	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	325.32	---	---	---
S-8	7/24/1991	<50	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	325.32	---	---	---
S-8	10/18/1991	<50	360 f	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	325.32	7.62	317.70	---
S-8	1/23/1992	<50	90	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	325.32	---	---	---
S-8	4/27/1992	<50	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	325.32	---	---	---
S-8	7/17/1992	53	<50	<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	1/23/1993	<50	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	325.32	7.00	318.32	---
S-8	4/28/1993	<50	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	325.32	7.77	317.55	---
S-8	9/22/1993	<50	160	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	325.32	7.67	317.65	---
S-8	12/8/1993	<50	210	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	325.32	7.76	317.56	---
S-8	3/4/1994	<50	---	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	325.32	7.66	317.66	---
S-8	6/16/1994	<50	---	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	325.32	7.78	317.54	---
S-8	5/5/1995	<50	---	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	325.32	7.42	317.90	---
S-8	5/21/1996	<50	---	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	325.32	7.50	317.82	---
S-8	5/12/1997	<50	---	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	325.32	7.56	317.76	1.6
S-8	5/8/1998	<50	---	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	325.32	7.64	317.68	2.0
S-8	6/27/1999	<50.0	---	<0.500	<0.500	<0.500	<0.500	<2.00	---	---	---	---	---	---	325.32	7.75	317.57	2.3

TABLE 1

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

<i>Well ID</i>	<i>Date</i>	<i>TPPH (ug/L)</i>	<i>TEPH (ug/L)</i>	<i>B (ug/L)</i>	<i>T (ug/L)</i>	<i>E (ug/L)</i>	<i>X (ug/L)</i>	<i>MTBE 8020 (ug/L)</i>	<i>MTBE 8260 (ug/L)</i>	<i>DIPE (ug/L)</i>	<i>ETBE (ug/L)</i>	<i>TAME (ug/L)</i>	<i>TBA (ug/L)</i>	<i>Ethanol (ug/L)</i>	<i>TOC (MSL)</i>	<i>Depth to Water (ft.)</i>	<i>GW Elevation (MSL)</i>	<i>DO Reading (ppm)</i>
S-8	4/28/2000	<50.0	---	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	---	325.32	8.02	317.30	1.8
S-8	5/30/2001	<50	---	<0.50	<0.50	<0.50	<0.50	---	<0.50	---	---	---	---	---	325.32	7.34	317.98	1.8
S-8	6/17/2002	<50	---	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	---	325.32	7.45	317.87	1.8
S-8	5/30/2003	<50	---	<0.50	<0.50	<0.50	<1.0	---	14	---	---	---	---	---	325.03	7.39	317.64	3.0
S-8	5/3/2004	<50	---	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	---	325.03	7.00	318.03	1.0
S-8	1/14/2005	<50	---	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	---	325.03	8.65	316.39	---
S-8	5/5/2005	<50	---	<0.50	<0.50	<0.50	<0.50	---	<0.50	<0.50	<0.50	<0.50	<5.0	---	325.03	6.73	318.30	---
S-8	8/5/2005	<50	---	<0.50	<0.50	<0.50	<1.0	---	<0.50	<2.0	<2.0	<2.0	<5.0	---	325.03	6.93	318.10	---
S-8	11/8/2005	<50.0	---	<0.500	<0.500	<0.500	<0.500	---	<0.500	<0.500	<0.500	<0.500	<10.0	---	325.03	6.95	318.08	---
S-8	1/31/2006	<50.0	---	<0.500	<0.500	<0.500	<0.500	---	<0.500	<0.500	<0.500	<0.500	<10.0	---	325.03	6.91	318.12	---
S-8	5/16/2006	<50.0	---	<0.500	<0.500	<0.500	<0.500	---	<0.500	<0.500	<0.500	<0.500	<10.0	---	325.03	7.02	318.01	---
S-8	8/23/2006	<50.0	---	<0.500	<0.500	<0.500	<0.500	---	<0.500	<0.500	<0.500	<0.500	<10.0	---	325.03	6.98	318.05	---
S-8	11/13/2006	<50	---	<0.50	<0.50	<0.50	<0.50	---	<0.50	<0.50	<0.50	<0.50	<20	---	325.03	7.09	317.94	---
S-8	2/1/2007	<50	---	<0.50	<0.50	<0.50	<1.0	---	<0.50	<2.0	<2.0	<2.0	<5.0	---	325.03	7.27	317.76	---
S-8	5/23/2007	<50 n	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	---	325.03	6.80	318.23	---
S-8	8/7/2007	<50 n	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	---	325.03	7.04	317.99	---
S-8	11/29/2007	<50 n	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	---	325.03	7.04	317.99	---
S-8	2/8/2008	<50 n	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	---	325.03	6.77	318.26	---
S-8	5/21/2008	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	<100	325.03	7.10	317.93	---
S-8	8/6/2008	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	---	325.03	6.94	318.09	---
S-8	11/18/2008	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	---	325.03	7.10	317.93	---
S-8	1/20/2009	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	---	325.03	7.18	317.85	---
S-8	1/20/2009	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	---	325.03	7.18	317.85	---
S-8	5/6/2009	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	---	325.03	7.01	318.02	---
S-8	7/6/2009	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	---	325.03	7.83	317.20	---
S-8	2/9/2010	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	<10	---	325.03	6.91	318.12	---
S-8	8/12/2010	---	---	---	---	---	---	---	---	---	---	---	---	---	325.03	7.14	317.89	---
S-8	2/1/2011	<50	---	<0.50	<0.50	<0.50	<1.0	---	<1.0	---	---	---	<10	---	325.03	7.04	317.99	---
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	<2.0	<2.0	<2.0	<5.0	---	325.89	7.77	318.12	---
S-9	2/1/2007	<50	---	<0.50	<0.50	<0.50	<1.0	---	<0.50	<2.0	<2.0	<2.0	<5.0	---	325.89	8.14	317.75	---
S-9	5/23/2007	<50 n	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	---	325.89	7.85	318.04	---
S-9	8/7/2007	<50 n	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	---	325.89	7.77	318.12	---
S-9	11/29/2007	<50 n	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	---	325.89	7.99	317.90	---
S-9	2/8/2008	<50 n	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	---	325.89	7.78	318.11	---
S-9	5/21/2008	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	<100	325.89	7.84	318.05	---
S-9	8/6/2008	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	---	325.89	7.69	318.20	---
S-9	11/18/2008	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	---	325.89	7.93	317.96	---

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

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-9	1/20/2009	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	---	325.89	8.13	317.76	---
S-9	5/6/2009	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	---	325.89	8.02	317.87	---
S-9	7/6/2009	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	---	325.89	8.06	317.83	---
S-9	2/9/2010	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	<10	---	325.89	7.80	318.09	---
S-9	8/12/2010	---	---	---	---	---	---	---	---	---	---	---	---	---	325.89	7.96	317.93	---
S-9	8/18/2010	---	---	---	---	---	---	---	---	---	---	---	---	---	325.89	7.86	318.03	---
S-9	2/1/2011	<50	---	<0.50	<0.50	<0.50	<1.0	---	<1.0	---	---	---	<10	---	325.89	7.84	318.05	---
S-10	6/30/2009	---	---	---	---	---	---	---	---	---	---	---	---	---	326.24	8.04	318.20	---
S-10	7/6/2009	340	---	<1.0	<2.0	<2.0	<2.0	---	<2.0	<4.0	<4.0	<4.0	5,100	---	326.24	8.11	318.13	---
S-10	2/9/2010	65	---	<0.50	<1.0	<1.0	<1.0	---	1.7	---	---	---	1,400	---	326.24	7.90	318.34	---
S-10	8/12/2010	<100	---	<1.0	<2.0	<2.0	<2.0	---	<2.0	---	---	---	610	---	326.24	8.04	318.20	---
S-10	8/18/2010	---	---	---	---	---	---	---	---	---	---	---	---	---	326.24	8.04	318.20	---
S-10	2/1/2011	<50	---	<0.50	<0.50	<0.50	<1.0	---	<1.0	---	---	---	110	---	326.24	7.82	318.42	---
S-11	6/30/2009	---	---	---	---	---	---	---	---	---	---	---	---	---	326.12	7.97	318.15	---
S-11	7/6/2009	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	<2.0	<2.0	<2.0	<10	---	326.12	7.98	318.14	---
S-11	2/9/2010	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	<10	---	326.12	9.99	316.13	---
S-11	8/12/2010	<50	---	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	<10	---	326.12	8.17	317.95	---
S-11	8/18/2010	---	---	---	---	---	---	---	---	---	---	---	---	---	326.12	7.91	318.21	---
S-11	2/1/2011	<50	---	<0.50	<0.50	<0.50	<1.0	---	<1.0	---	---	---	<10	---	326.12	7.36	318.76	---
S-12	6/30/2009	---	---	---	---	---	---	---	---	---	---	---	---	---	326.91	8.49	318.42	---
S-12	7/6/2009	83	---	<0.50	<1.0	<1.0	<1.0	---	37	<2.0	<2.0	<2.0	<10	---	326.91	8.89	318.02	---
S-12	2/9/2010	57	---	<0.50	<1.0	<1.0	<1.0	---	26	---	---	---	11	---	326.91	7.97	318.94	---
S-12	8/12/2010	Unable to access		---	---	---	---	---	---	---	---	---	---	---	326.91	---	---	---
S-12	8/18/2010	<50	---	<0.50	<1.0	<1.0	<1.0	---	20	---	---	---	---	---	326.91	8.33	318.58	---
S-12	2/1/2011	<50	---	<0.50	<0.50	<0.50	<1.0	---	14	---	---	---	12	---	326.91	8.48	318.43	---
EW-1	2/20/2008	9,100 n	---	110	180	840	146.9	---	<5.0	<10	<10	<10	<50	<500	---	8.07	---	---
EW-1	3/7/2008	11,000 n	---	380	200	370	317.0	---	<5.0	<10	<10	<10	<50	<500	---	17.80	---	---
EW-1	3/21/2008	14,000	---	690	430	750	614	---	<5.0	<10	<10	<10	<50	<500	---	8.61	---	---
EW-1	4/8/2008	12,000	---	430	200	430	302	---	<5.0	<10	<10	<10	<50	<500	---	8.40	---	---
EW-1	4/21/2008	22,000	---	430	510	1,100	747	---	<5.0	<10	<10	<10	71	<500	---	8.33	---	---
EW-1	5/6/2008	20,000	---	280	620	1,000	616	---	<10	<20	<20	<20	<100	<1,000	---	8.30	---	---
EW-1	5/21/2008	17,000	---	180	440	830	484	---	<10	<20	<20	<20	<100	<1,000	---	8.60	---	---
EW-1	8/6/2008	12,000	---	140	79	720	110	---	<10	<20	<20	<20	<100	---	---	8.41	---	---
EW-1	11/18/2008	16,000	---	94	170	970	310	---	<20	<40	<40	<40	<200	---	---	8.03	---	---
EW-1	1/20/2009	10,000	---	110	58	440	61	---	<20	<40	<40	<40	<200	---	---	8.98	---	---

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

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE	MTBE	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to	GW	DO
								8020 (ug/L)	8260 (ug/L)							Water (ft.)	Elevation (MSL)	Reading (ppm)
EW-1	5/6/2009	14,000	---	73	120	690	120	---	<20	<40	<40	<40	<200	---	---	7.92	---	---
EW-1	7/6/2009	17,000	---	18	82	750	140	---	<10	<20	<20	<20	<100	---	326.98	8.21	318.77	---
EW-1	2/9/2010	12,000	---	13	41	490	120	---	<5.0	---	---	---	<50	---	326.98	8.20	318.78	---
EW-1	8/12/2010	11,000	---	2.9	17	370	113.4	---	<2.0	---	---	---	<20	---	326.98	8.03	318.95	---
EW-1	8/18/2010	---	---	---	---	---	---	---	---	---	---	---	---	---	326.98	8.09	318.89	---
EW-1	2/1/2011	10,000	---	10	35	520	34	---	5.0	---	---	---	<50	---	326.98	8.22	318.76	---
EW-2	12/14/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.25	---	---
EW-2	2/8/2008	70 n,p	---	<0.50	<1.0	<1.0	<1.0	---	8.9	<2.0	<2.0	<2.0	940	---	---	8.42	---	---
EW-2	2/20/2008	59 n,p	---	<1.0	<2.0	<2.0	<2.0	---	10	<4.0	<4.0	<4.0	1,300	<200	---	8.85	---	---
EW-2	3/7/2008	850 n,p	---	<1.0	<2.0	<2.0	<2.0	---	8.0	<4.0	<4.0	<4.0	1,200	<200	---	9.75	---	---
EW-2	3/21/2008	350	---	5.3	4.6	6.2	18	---	<2.0	<4.0	<4.0	<4.0	990	<200	---	9.51	---	---
EW-2	4/8/2008	<50	---	<0.50	<1.0	<1.0	<1.0	---	8.9	<2.0	<2.0	<2.0	180	<100	---	9.12	---	---
EW-2	4/21/2008	140	---	<0.50	<1.0	<1.0	<1.0	---	57	<2.0	<2.0	<2.0	230	<100	---	8.86	---	---
EW-2	5/6/2008	<50	---	<0.50	<1.0	<1.0	<1.0	---	8.3	<2.0	<2.0	<2.0	590	<100	---	8.87	---	---
EW-2	5/21/2008	53	---	<0.50	<1.0	<1.0	<1.0	---	11	<2.0	<2.0	<2.0	380	<100	---	9.00	---	---
EW-2	8/6/2008	60	---	<0.50	<1.0	<1.0	<1.0	---	10	<2.0	<2.0	<2.0	560	---	---	8.81	---	---
EW-2	11/18/2008	140	---	8.0	<1.0	6.2	29	---	7.4	<2.0	<2.0	<2.0	410	---	---	8.92	---	---
EW-2	1/20/2009	<50	---	<0.50	<1.0	<1.0	<1.0	---	6.8	<2.0	<2.0	<2.0	390	---	---	9.28	---	---
EW-2	5/6/2009	---	---	---	---	---	---	---	---	---	---	---	---	---	327.21	---	---	---

Abbreviations:

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

TEPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015.

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

MTBE = Methyl tertiary-butyl ether

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

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

TOC = Top of casing elevation

GW = Groundwater

DO = Dissolved oxygen

ug/L = Micrograms per liter

ppm = Parts per million

mg/L = Milligrams per liter

MSL = Mean sea level

ft. = Feet

<n = Below detection limit

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

<i>Well ID</i>	<i>Date</i>	<i>TPPH</i> (ug/L)	<i>TEPH</i> (ug/L)	<i>B</i> (ug/L)	<i>T</i> (ug/L)	<i>E</i> (ug/L)	<i>X</i> (ug/L)	<i>MTBE</i> 8020 (ug/L)	<i>MTBE</i> 8260 (ug/L)	<i>DIPE</i> (ug/L)	<i>ETBE</i> (ug/L)	<i>TAME</i> (ug/L)	<i>TBA</i> (ug/L)	<i>Ethanol</i> (ug/L)	<i>TOC</i> (MSL)	<i>Depth to</i> <i>Water</i> (ft.)	<i>GW</i> <i>Elevation</i> (MSL)	<i>DO</i> <i>Reading</i> (ppm)
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--- = Not applicable

(D) = Duplicate sample

Notes:

Ethanol analyzed by EPA Method 8260B

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

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

c = The concentration reported as TEPH 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 TEPH 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 TEPH 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.

i = DO reading not taken.

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

Site surveyed April 16, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.

Beginning May 30, 2003, depth to water referenced to Top of Casing elevation.

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.

TABLE 2

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

<i>Well ID</i>	<i>Date</i>	<i>Volume MgSO₄ Applied (gallons)</i>	<i>Depth to Water (ft.)</i>	<i>pH</i>	<i>Sulfate (mg/L)</i>	<i>Fe²⁺ (mg/L)</i>	<i>Fe³⁺ (mg/L)</i>	<i>TPPH (ug/L)</i>	<i>B (ug/L)</i>	<i>T (ug/L)</i>	<i>E (ug/L)</i>	<i>X (ug/L)</i>	<i>MTBE (ug/L)</i>
<i>Injection Wells</i>													
EW-1	10/30/2009	---	---	---	3.1	2.1	---	8,400	14	21	360	84	<2.0
EW-1	4/8/10 9:45 ^a	55	7.81	7.05	2.7	<0.10 ^b	10.2	7,100	16	25	95	29	3.7
EW-1	4/8/10 17:10	---	---	---	90,000	---	---	---	---	---	---	---	---
EW-1	4/21/10 12:00	---	---	---	7,800	---	---	---	---	---	---	---	---
EW-1	5/11/10 9:45	---	---	7.24	2,000	2.4	7.6	5,500	13	9.5	100	43	<1.0
EW-1	5/27/10 11:00 ^c	25	---	7.1	960	1.8	5.72	8,000	17	9.8	200	66	<5.0
EW-1	6/9/10 10:05	---	---	---	4,800	---	---	---	---	---	---	---	---
EW-1	6/22/10 10:30	---	---	7.38	1,300	2.8	2.29	6,600	5.2	4.5	53	20	<2.0
EW-1	7/15/10 14:40 ^d	25	7.78	7.82	300	2.4	0.49	5,800	4.7	4.5	52	27	<2.0
EW-1	8/2/10 13:50	---	---	4.65	2,100	2.6	---	---	---	---	---	---	---
EW-1 ^e	8/12/10 13:10	---	8.03	6.98	730	1.2	---	11,000	2.9	17	370	110	<2.0
EW-1	8/17/10 11:00	---	---	7.71	740	0.9	1.07	4,000	5.0	3.8	2.9	52	<2.0
EW-1 ^f	9/9/10 11:30	55	---	---	---	---	---	---	---	---	---	---	---
EW-1	10/1/10 14:20	---	8.55	6.89	14,000	6.5	0.69	3,100	1.4	1.4	2.2	3.2	<1.0
EW-1	10/19/10 14:15	---	---	7.49	5,800	4.8	1.56	5,600	1.8	1.4	6.3	9	<1.0
EW-1^g	2/1/11 16:30	---	8.22	7.29	740	0.1	---	10,000	10	35	520	34	5.0
S-3	10/30/2009	---	---	---	35	<0.10	---	2,300	390	12	15	24	14
S-3	4/8/10 10:15 ^a	55	8.45	7.46	19	<0.10 ^b	1.82	2,400	270	6.0	4.0	3.6	11
S-3	4/8/10 19:30	---	---	---	99,000	---	---	---	---	---	---	---	---
S-3	4/21/10 11:45	---	---	---	7,700	---	---	---	---	---	---	---	---
S-3	5/11/10 9:55	---	---	7.11	3,600	4.8	1.43	2,100	230	2.9	15	2.7	9.3
S-3	5/27/10 11:15 ^c	40	---	6.9	1,600	3.0	1.42	1,900	210	<2.0	4.1	<2.0	8.2
S-3	6/9/10 10:00	---	---	---	11,000	---	---	---	---	---	---	---	---
S-3	6/22/10 10:15	---	---	6.93	6,400	4.5	4.43	1,800	270	2.4	26	4	5.8
S-3	7/15/10 14:50 ^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	8/2/10 13:20	---	---	7.01	4,300	3.6	---	---	---	---	---	---	---
S-3 ^e	8/12/10 13:00	---	8.46	6.89	2,700	0.6	---	1,300	270	3.5	47	46	4.5
S-3	8/17/10 10:40	---	---	7.11	1,700	1.0	<0.10	870	90	1.3	17	15	4.9
S-3 ^f	9/9/10 0:30	55	---	---	NS	---	---	---	---	---	---	---	---
S-3	10/1/10 14:40	---	8.88	6.68	14,000	6.8	10.4	2,000	240	5.1	140	65	4.5
S-3	10/19/10 13:50	---	---	7.20	9,300	5.6	10.7	3,000	190	<2.0	80	24	6.9
S-3^g	2/1/11 15:45	---	8.75	7.03	11,000	0.2	---	900	<0.50	<0.50	<0.50	<1.0	8.8

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

<i>Well ID</i>	<i>Date</i>	<i>Volume MgSO₄ Applied (gallons)</i>	<i>Depth to Water (ft.)</i>	<i>pH</i>	<i>Sulfate (mg/L)</i>	<i>Fe²⁺ (mg/L)</i>	<i>Fe³⁺ (mg/L)</i>	<i>TPPH (ug/L)</i>	<i>B (ug/L)</i>	<i>T (ug/L)</i>	<i>E (ug/L)</i>	<i>X (ug/L)</i>	<i>MTBE (ug/L)</i>
<i>Monitoring Wells</i>													
S-1	4/8/10 10:35	---	7.95	7.49	3.1	<0.10 ^b	0.511	9,300	23	38	320	56	17
S-1	5/27/10 10:30	---	---	7.5	<1.0	0.8	<0.10	14,000	20	36	200	57	<2.0
S-1	7/15/10 15:10	---	7.96	7.90	<1.0	0.6	<0.10	12,000	20	38	200	54	<2.0
S-1 ^e	8/18/10 14:35	---	7.92	7.85	3.3	0.4	---	4,000	15	26	87	34	10
S-1	10/19/10 14:40	---	---	8.00	1.7	0.8	<0.10	13,000	20	33	92	29	7.2
S-1^g	2/1/11 15:50	---	7.91	7.91	2.3	0.3	---	5,900^h	13	21	38	21	14
S-2	10/30/2009	---	---	---	540	<0.10	---	<50	<0.50	<1.0	<1.0	<1.0	33
S-2	4/8/10 11:35	---	8.14	7.52	600	<0.10 ^b	0.120	<50	<0.50	<1.0	<1.0	<1.0	38
S-2	5/27/10 10:15	---	---	7.2	570	0.0	<0.10	80	<0.50	<1.0	<1.0	<1.0	36
S-2	7/15/10 14:10	---	8.30	7.72	570	0.0	<0.10	<50	<0.50	<1.0	<1.0	<1.0	19
S-2 ^e	8/18/10 13:25	---	8.40	8.19	450	0.0	---	<50	<0.50	<1.0	<1.0	<1.0	24
S-2	10/19/10 14:40	---	---	7.68	510	0.0	<0.10	<50	<0.50	<1.0	<1.0	<1.0	17
S-2^g	2/1/11 13:40	---	8.39	7.49	180	0.0	---	<50	<0.50	<0.50	<0.50	<1.0	6.9
S-10	10/30/2009	---	---	---	170	<0.10	---	<50	<0.50	<1.0	<1.0	<1.0	1.8
S-10	4/8/10 11:15	---	7.68	7.71	170	<0.10 ^b	0.915	<50	<0.50	<1.0	<1.0	<1.0	1.5
S-10	5/27/10 9:45	---	---	6.3	160	0.0	0.367	<50	<0.50	<1.0	<1.0	<1.0	1.6
S-10	7/15/10 13:50	---	7.92	7.75	150	0.0	0.12	<50	<0.50	<1.0	<1.0	<1.0	<1.0
S-10 ^e	8/12/10 11:25	---	8.04	7.47	110	0.0	---	<100	<1.0	<2.0	<2.0	<2.0	<2.0
S-10	10/19/10 15:00	---	---	8.16	140	0.0	0.26	<50	<0.50	<0.50	<0.50	<1.0	<1.0
S-10^g	2/1/11 14:05	---	7.82	7.94	92	0.0	---	<50	<0.50	<0.50	<0.50	<1.0	<1.0

Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B.

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B.

MTBE = Methyl tertiary-butyl ether by EPA Method 8260B

Sulfate analyzed by EPA Method 300.0

Fe²⁺ = Ferrous iron analyzed using field kit by SM 3500-FeBFe³⁺ = Ferric iron analyzed by EPA Method 6010B

µg/L = Micrograms per liter

mg/L = Milligrams per liter

ft. = Feet

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

<i>Well ID</i>	<i>Date</i>	<i>Volume MgSO₄ Applied (gallons)</i>	<i>Depth to Water (ft.)</i>	<i>pH</i>	<i>Sulfate (mg/L)</i>	<i>Fe²⁺ (mg/L)</i>	<i>Fe³⁺ (mg/L)</i>	<i>TPPH (ug/L)</i>	<i>B (ug/L)</i>	<i>T (ug/L)</i>	<i>E (ug/L)</i>	<i>X (ug/L)</i>	<i>MTBE (ug/L)</i>
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<n = Below detection limit

--- = Not applicable, not available, or not analyzed

Notes:

a = Initial MgSO₄ application following baseline sampling of all wells in study.

b = Ferrous Iron (Fe+2) 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.

APPENDIX A

BLAINE TECH SERVICES, INC. -
FIELD NOTES

WELL GAUGING DATA

Project # 110201-DR1 Date 2/1/11 Client Shell

Site 5251 Hayward Rd. Pleasanton Ca.

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	0912	3					7.91	28.36	↓	
S-2	0851	3					8.39	24.09		
S-3	0909	3					8.75	24.07		
S-4	0807	3					8.71	24.17		
S-5	0902	3					9.09	24.10		
S-6	0950	3					7.96	25.55		
S-7	1020	3					8.18	25.12		
S-8	1059	3					7.04	24.54		
S-9	0815	2					7.84	19.57		
S-10	0857	4					7.82	19.13		
S-11	0821	4					7.36	19.79		
S-12	0831	4					8.48	20.22		
EW-1	0917	4					8.22	19.69	✓	

SHELL WELL MONITORING DATA SHEET

BTS #: 110201-DRI	Site: 5251 Hopyard Rd. Pleasanton Ca.
Sampler: DR	Date: 2/1/11
Well I.D.: 5-1	Well Diameter: 2 (3) 4 6 8
Total Well Depth (TD): 28.36	Depth to Water (DTW): 7.91
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.00	

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: _____

7.6 (Gals.) X	3	= 22.8 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (μS))	Turbidity (NTUs)	Gals. Removed	Observations
1535	66.1	8.01	2048	229	7.6	odor
* Well	dewatered @		14.5 gal.		15.2 DR	
1550	66.0	7.91	2164	94	-	odor
	Post:	7.91				Fe ²⁺ = 0.3 mg/L

Did well dewater? Yes No Gallons actually evacuated: 14.5

Sampling Date: 2/1/11 Sampling Time: 1550 Depth to Water: 11.57

Sample I.D.: 5-1 Laboratory: Test America Other _____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 110201-DRI	Site: 5251 Hopyard Rd. Pleasanton Ca.
Sampler: DR	Date: 2/1/11
Well I.D.: 5.2	Well Diameter: 2 (3) 4 6 8
Total Well Depth (TD): 24.09	Depth to Water (DTW): 8.39
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.21	

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: _____

5.8 (Gals.) X 3 = 17.4 Gals.
 1 Case Volume Specified Volumes Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	Gals. Removed	Observations
1329	64.9	7.35	2575	22	5.8	
1331	66.0	7.47	278	20	11.6	
1333	66.0	7.48	2839	23	17.4	
	Post: 7.49					Fe ²⁺ = 0.0 mg/L

Did well dewater? Yes No Gallons actually evacuated: 17.4

Sampling Date: 2/1/11 Sampling Time: 1340 Depth to Water: 12.76

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

SHELL WELL MONITORING DATA SHEET

BTS #: 110201-DRI	Site: 5251 Hopyard Rd. Pleasanton Ca.
Sampler: DR	Date: 2/1/11
Well I.D.: 5-3	Well Diameter: 2 <u>3</u> 4 6 8
Total Well Depth (TD): 24.07	Depth to Water (DTW): 8.75
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]: 11.81	

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: _____

$5.7 \text{ (Gals.)} \times 3 = 17.1 \text{ Gals.}$	<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														
1 Case Volume	Specified Volumes	Calculated Volume															

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
1443	63.5	7.16	8698	42	5.7	odor
1445	66.9	7.08	9049	107	11.4	odor
Well dewatered @			12.5 gpl.			
1545	66.3	7.03	9126	56	—	odor
	Post:	7.03				Fe ²⁺ = 0.2 mg/L

Did well dewater? Yes No Gallons actually evacuated: 12.5

Sampling Date: 2/1/11 Sampling Time: 1545 Depth to Water: 9.76

Sample I.D.: 5-3 Laboratory: Test America Other _____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 110201-DRI	Site: 5251 Hopyard Rd. Pleasanton Ca.
Sampler: DR	Date: 2/1/11
Well I.D.: 5-4	Well Diameter: 2 <u>3</u> 4 6 8
Total Well Depth (TD): 24.17	Depth to Water (DTW): 8.71
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]: 11.80	

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: _____

$5.7 \text{ (Gals.)} \times 3 = 17.1 \text{ Gals.}$ 1 Case Volume Specified Volumes Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> <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> </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 <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
1133	64.2	7.76	893	70	5.7	
1135	65.4	7.59	885	102	11.4	
1137	65.5	7.56	881	113	17.1	
	Post: 7.62					

Did well dewater? Yes No Gallons actually evacuated: 17.1

Sampling Date: 2/1/11 Sampling Time: 1145 Depth to Water: 9.98

Sample I.D.: 5-4 Laboratory: Test America Other _____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 110201-DRI	Site: 5251 Hopyard Rd. Pleasanton Ca.
Sampler: DR	Date: 2/1/11
Well I.D.: S-5	Well Diameter: 2 <input checked="" type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 6 <input type="radio"/> 8 <input type="radio"/>
Total Well Depth (TD): 24.10	Depth to Water (DTW): 9.09
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="radio"/> HACH <input type="radio"/>
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.09	

Purge Method: Bailer Disposable Bailer Positive Air Displacement <input checked="" type="radio"/> Electric Submersible	Waterra Peristaltic Extraction Pump Other _____	Sampling Method: <input checked="" type="radio"/> Bailer Disposable Bailer Extraction Port Dedicated Tubing Other: _____
---	--	--

5.6 (Gals.) X	3 Specified Volumes	= 16.8 Gals. Calculated Volume
---------------	---------------------	--------------------------------

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

Time	Temp (°F)	pH	Cond. (mS or <input checked="" type="radio"/> μS)	Turbidity (NTUs)	Gals. Removed	Observations
1416	62.8	7.42	1438	41	5.6	
1418	64.1	7.27	1436	28	11.2	
1420	64.1	7.29	1437	21	16.8	
	Post:	7.31				

Did well dewater? Yes No Gallons actually evacuated: 16.8

Sampling Date: 2/1/11 Sampling Time: 1430 Depth to Water: 11.72

Sample I.D.: S-5 Laboratory: Test America Other _____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 110201-DRI	Site: 5251 Hopyard Rd. Pleasanton Ca.
Sampler: DR	Date: 2/1/11
Well I.D.: 5-6	Well Diameter: 2 <u>3</u> 4 6 8
Total Well Depth (TD): 25.55	Depth to Water (DTW): 7.96
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]: 11.48	

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

6.5 (Gals.) X	3	= 19.5 Gals.
I Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
1005	66.1	6.79	7888	67	6.5	
1009	67.9	7.05	8431	80	13.0	
1013	68.1	7.07	8500	92	19.5	DTW = 12.91
	Post:	6.92				

Did well dewater? Yes No Gallons actually evacuated: 19.5

Sampling Date: 2/1/11 Sampling Time: 1050 Depth to Water: 11.40

Sample I.D.: 5-6 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 #: 110201-DRI	Site: 5251 Hopyard Rd. Pleasanton Ca.
Sampler: DR	Date: 2/1/11
Well I.D.: 5-7	Well Diameter: 2 ③ 4 6 8
Total Well Depth (TD): 25.12	Depth to Water (DTW): 8.18
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]: 11.57	

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: _____

6.3 (Gals.) X 3 = 18.9 Gals.
 1 Case Volume Specified Volumes Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	Gals. Removed	Observations
1027	67.7	7.15	7986	59	6.3	
1031	69.5	7.03	8367	47	12.6	
1035	69.7	7.00	8391	79	18.9	DTW = 12.09
	Post: 7.07					

Did well dewater? Yes No Gallons actually evacuated: 18.9

Sampling Date: 2/1/11 Sampling Time: 1045 Depth to Water: ^(waited) 11.56

Sample I.D.: 5-7 Laboratory: Test America Other _____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 110201-DRI	Site: 5251 Hopyard Rd. Pleasanton Ca.
Sampler: DR	Date: 2/1/11
Well I.D.: 5-8	Well Diameter: 2 <input checked="" type="radio"/> 3 4 6 8
Total Well Depth (TD): 24.54	Depth to Water (DTW): 7.04
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <input checked="" type="radio"/> PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.54	

Purge Method: Bailer	Wattera	Sampling Method: <input checked="" type="radio"/> Bailer
Disposable Bailer	Peristaltic	Disposable Bailer
Positive Air Displacement	Extraction Pump	Extraction Port
<input checked="" type="radio"/> Electric Submersible	Other _____	Dedicated Tubing
Other: _____		

6.5 (Gals.) X 3 = 19.5 Gals.
 1 Case Volume Specified Volumes Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or µS DR)	Turbidity (NTUs)	Gals. Removed	Observations
1106	65.1	7.30	13.22	29	6.5	
1110	66.8	7.00	13.67	41	13.0	
1114	66.9	6.97	13.71	65	19.5	DTW = 10.79
	Post:	7.11				

Did well dewater? Yes No Gallons actually evacuated: 19.5
 Sampling Date: 2/1/11 Sampling Time: 1130 Depth to Water: ^(wanted) 10.51
 Sample I.D.: 5-8 Laboratory: Test America Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See CoC
 EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):
 Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

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

SHELL WELL MONITORING DATA SHEET

BTS #: 110201-DRI	Site: 5251 Hopyard Rd. Pleasanton Ca.
Sampler: DR	Date: 2/1/11
Well I.D.: 5-9	Well Diameter: (2) 3 4 6 8 _____
Total Well Depth (TD): 19.57	Depth to Water (DTW): 7.84
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.19	

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

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

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

Time	Temp (°F)	pH	Cond. (mS or (μS))	Turbidity (NTUs)	Gals. Removed	Observations
1159	66.0	7.39	4922	226	1.9	
1202	66.8	7.33	4993	197	3.8	
1205	66.9	7.31	4984	174	5.7	
	Post:	7.32				

Did well dewater? Yes No Gallons actually evacuated: 5.7

Sampling Date: 2/1/11 Sampling Time: 1210 Depth to Water: 9.79

Sample I.D.: 5-9 Laboratory: (Test America) Other _____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 110201-DRI	Site: 5251 Hopyard Rd. Pleasanton Ca.
Sampler: DR	Date: 2/1/11
Well I.D.: S-10	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 19.13	Depth to Water (DTW): 7.82
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]: 10.08	

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

$7.4 \text{ (Gals.)} \times 3 = 22.2 \text{ Gals.}$ 1 Case Volume Specified Volumes Calculated Volume	<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 <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
1348	64.9	7.99	1866	209	7.4	
1351	66.8	7.92	1833	411	14.8	
1354	67.0	7.91	1841	674	22.2	
	Post:	7.94				Fe2+ = 0.0 mg/L

Did well dewater? Yes No Gallons actually evacuated: 22.2

Sampling Date: 2/1/11 Sampling Time: 1405 Depth to Water: 9.97

Sample I.D.: S-10 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 #: 110201-DRI	Site: 5251 Hopyard Rd. Pleasanton Ca.
Sampler: DR	Date: 2/1/11
Well I.D.: 5-11	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 19.79	Depth to Water (DTW): 7.36
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]: 9.85	

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: _____

$8.1 \text{ (Gals.)} \times 3 = 24.3 \text{ Gals.}$	<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														
1 Case Volume Specified Volumes Calculated Volume																	

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
1220	65.1	7.58	6789	27	8.1	
1222	67.1	7.43	6796	40	16.2	
1224	67.2	7.41	6802	45	24.3	
	Post:	7.43				

Did well dewater? Yes No _____ Gallons actually evacuated: 24.3

Sampling Date: 2/1/11 Sampling Time: 1235 Depth to Water: 9.49

Sample I.D.: 5-11 Laboratory: Test America Other _____

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

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

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

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

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address S251 Honeyard Rd. Pleasanton Ca. Date 2/1/11

Job Number 110201-DRI Technician DR 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		DR					X		-1/2 bolts. No tag.
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		-1/2 bolts. No tag.
S-8	X								Christy box. No tag.
S-9	X		X						No tag.
S-10	X		X						No tag.
S-11	X		X						No tag.
S-12	X		X						No tag.
EW-1	DR	X					X		-1/2 bolts.

*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
135785

Sampled: 02/01/11
Received: 02/03/11
Issued: 02/17/11 12:13

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(s) of Custody, 2 pages, are included and are an integral part of this report.

This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
IUB0431-01	S-6	Water
IUB0431-02	S-7	Water
IUB0431-03	S-8	Water
IUB0431-04	S-4	Water
IUB0431-05	S-9	Water
IUB0431-06	S-11	Water
IUB0431-07	S-12	Water
IUB0431-08	S-2	Water
IUB0431-09	S-10	Water
IUB0431-10	S-5	Water
IUB0431-11	S-3	Water
IUB0431-12	S-1	Water
IUB0431-13	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
 135785
 Report Number: IUB0431

Sampled: 02/01/11
 Received: 02/03/11

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: IUB0431-01 (S-6 - Water)				Sampled: 02/01/11				
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11B1554	50	ND	1	2/12/2011	2/12/2011	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				<i>100 %</i>				
<i>Surrogate: Toluene-d8 (80-120%)</i>				<i>106 %</i>				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				<i>95 %</i>				
Sample ID: IUB0431-02 (S-7 - Water)				Sampled: 02/01/11				
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11B1554	50	ND	1	2/12/2011	2/12/2011	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				<i>100 %</i>				
<i>Surrogate: Toluene-d8 (80-120%)</i>				<i>104 %</i>				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				<i>94 %</i>				
Sample ID: IUB0431-03 (S-8 - Water)				Sampled: 02/01/11				
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11B1554	50	ND	1	2/12/2011	2/12/2011	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				<i>101 %</i>				
<i>Surrogate: Toluene-d8 (80-120%)</i>				<i>104 %</i>				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				<i>93 %</i>				
Sample ID: IUB0431-04 (S-4 - Water)				Sampled: 02/01/11				
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11B1554	50	ND	1	2/12/2011	2/12/2011	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				<i>100 %</i>				
<i>Surrogate: Toluene-d8 (80-120%)</i>				<i>104 %</i>				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				<i>95 %</i>				
Sample ID: IUB0431-05 (S-9 - Water)				Sampled: 02/01/11				
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11B1554	50	ND	1	2/12/2011	2/12/2011	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				<i>104 %</i>				
<i>Surrogate: Toluene-d8 (80-120%)</i>				<i>103 %</i>				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				<i>94 %</i>				
Sample ID: IUB0431-06 (S-11 - Water)				Sampled: 02/01/11				
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11B1554	50	ND	1	2/12/2011	2/12/2011	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				<i>101 %</i>				
<i>Surrogate: Toluene-d8 (80-120%)</i>				<i>103 %</i>				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				<i>94 %</i>				

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
135785
Report Number: IUB0431

Sampled: 02/01/11
Received: 02/03/11

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: IUB0431-07 (S-12 - Water)				Sampled: 02/01/11				
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11B1554	50	ND	1	2/12/2011	2/12/2011	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				<i>102 %</i>				
<i>Surrogate: Toluene-d8 (80-120%)</i>				<i>104 %</i>				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				<i>93 %</i>				
Sample ID: IUB0431-08 (S-2 - Water)				Sampled: 02/01/11				
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11B1554	50	ND	1	2/12/2011	2/12/2011	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				<i>107 %</i>				
<i>Surrogate: Toluene-d8 (80-120%)</i>				<i>104 %</i>				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				<i>92 %</i>				
Sample ID: IUB0431-09 (S-10 - Water)				Sampled: 02/01/11				
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11B1554	50	ND	1	2/12/2011	2/13/2011	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				<i>104 %</i>				
<i>Surrogate: Toluene-d8 (80-120%)</i>				<i>105 %</i>				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				<i>92 %</i>				
Sample ID: IUB0431-10 (S-5 - Water)				Sampled: 02/01/11				
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11B1554	50	130	1	2/12/2011	2/13/2011	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				<i>101 %</i>				
<i>Surrogate: Toluene-d8 (80-120%)</i>				<i>104 %</i>				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				<i>92 %</i>				
Sample ID: IUB0431-11 (S-3 - Water)				Sampled: 02/01/11				
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11B1554	50	900	1	2/12/2011	2/13/2011	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				<i>103 %</i>				
<i>Surrogate: Toluene-d8 (80-120%)</i>				<i>105 %</i>				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				<i>96 %</i>				
Sample ID: IUB0431-12 (S-1 - Water)				Sampled: 02/01/11				
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11B1633	1000	5900	20	2/14/2011	2/14/2011	P-HS
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				<i>111 %</i>				
<i>Surrogate: Toluene-d8 (80-120%)</i>				<i>105 %</i>				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				<i>88 %</i>				

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
135785
Report Number: IUB0431

Sampled: 02/01/11
Received: 02/03/11

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: IUB0431-13 (EW-1 - Water)				Sampled: 02/01/11				
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11B1554	250	10000	5	2/12/2011	2/13/2011	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				102 %				
<i>Surrogate: Toluene-d8 (80-120%)</i>				105 %				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				94 %				

TestAmerica Irvine

Philip Sanelle
Project Manager

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IUB0431 <Page 4 of 18>

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
 135785
 Report Number: IUB0431

Sampled: 02/01/11
 Received: 02/03/11

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUB0431-01 (S-6 - Water)				Sampled: 02/01/11				
Reporting Units: ug/l								
Benzene	EPA 8260B	11B1554	0.50	ND	1	2/12/2011	2/12/2011	
Ethylbenzene	EPA 8260B	11B1554	0.50	ND	1	2/12/2011	2/12/2011	
Toluene	EPA 8260B	11B1554	0.50	ND	1	2/12/2011	2/12/2011	
Xylenes, Total	EPA 8260B	11B1554	1.0	ND	1	2/12/2011	2/12/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11B1554	1.0	ND	1	2/12/2011	2/12/2011	
tert-Butanol (TBA)	EPA 8260B	11B1554	10	ND	1	2/12/2011	2/12/2011	
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>								95 %
<i>Surrogate: Dibromofluoromethane (80-120%)</i>								100 %
<i>Surrogate: Toluene-d8 (80-120%)</i>								106 %
Sample ID: IUB0431-02 (S-7 - Water)				Sampled: 02/01/11				
Reporting Units: ug/l								
Benzene	EPA 8260B	11B1554	0.50	ND	1	2/12/2011	2/12/2011	
Ethylbenzene	EPA 8260B	11B1554	0.50	ND	1	2/12/2011	2/12/2011	
Toluene	EPA 8260B	11B1554	0.50	ND	1	2/12/2011	2/12/2011	
Xylenes, Total	EPA 8260B	11B1554	1.0	ND	1	2/12/2011	2/12/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11B1554	1.0	62	1	2/12/2011	2/12/2011	
tert-Butanol (TBA)	EPA 8260B	11B1554	10	33	1	2/12/2011	2/12/2011	
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>								94 %
<i>Surrogate: Dibromofluoromethane (80-120%)</i>								100 %
<i>Surrogate: Toluene-d8 (80-120%)</i>								104 %
Sample ID: IUB0431-03 (S-8 - Water)				Sampled: 02/01/11				
Reporting Units: ug/l								
Benzene	EPA 8260B	11B1554	0.50	ND	1	2/12/2011	2/12/2011	
Ethylbenzene	EPA 8260B	11B1554	0.50	ND	1	2/12/2011	2/12/2011	
Toluene	EPA 8260B	11B1554	0.50	ND	1	2/12/2011	2/12/2011	
Xylenes, Total	EPA 8260B	11B1554	1.0	ND	1	2/12/2011	2/12/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11B1554	1.0	ND	1	2/12/2011	2/12/2011	
tert-Butanol (TBA)	EPA 8260B	11B1554	10	ND	1	2/12/2011	2/12/2011	
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>								93 %
<i>Surrogate: Dibromofluoromethane (80-120%)</i>								101 %
<i>Surrogate: Toluene-d8 (80-120%)</i>								104 %

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
 135785
 Report Number: IUB0431

Sampled: 02/01/11
 Received: 02/03/11

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUB0431-04 (S-4 - Water)				Sampled: 02/01/11				
Reporting Units: ug/l								
Benzene	EPA 8260B	11B1554	0.50	ND	1	2/12/2011	2/12/2011	
Ethylbenzene	EPA 8260B	11B1554	0.50	ND	1	2/12/2011	2/12/2011	
Toluene	EPA 8260B	11B1554	0.50	ND	1	2/12/2011	2/12/2011	
Xylenes, Total	EPA 8260B	11B1554	1.0	ND	1	2/12/2011	2/12/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11B1554	1.0	ND	1	2/12/2011	2/12/2011	
tert-Butanol (TBA)	EPA 8260B	11B1554	10	ND	1	2/12/2011	2/12/2011	
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				<i>95 %</i>				
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				<i>100 %</i>				
<i>Surrogate: Toluene-d8 (80-120%)</i>				<i>104 %</i>				
Sample ID: IUB0431-05 (S-9 - Water)				Sampled: 02/01/11				
Reporting Units: ug/l								
Benzene	EPA 8260B	11B1554	0.50	ND	1	2/12/2011	2/12/2011	
Ethylbenzene	EPA 8260B	11B1554	0.50	ND	1	2/12/2011	2/12/2011	
Toluene	EPA 8260B	11B1554	0.50	ND	1	2/12/2011	2/12/2011	
Xylenes, Total	EPA 8260B	11B1554	1.0	ND	1	2/12/2011	2/12/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11B1554	1.0	ND	1	2/12/2011	2/12/2011	
tert-Butanol (TBA)	EPA 8260B	11B1554	10	ND	1	2/12/2011	2/12/2011	
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				<i>94 %</i>				
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				<i>104 %</i>				
<i>Surrogate: Toluene-d8 (80-120%)</i>				<i>103 %</i>				
Sample ID: IUB0431-06 (S-11 - Water)				Sampled: 02/01/11				
Reporting Units: ug/l								
Benzene	EPA 8260B	11B1554	0.50	ND	1	2/12/2011	2/12/2011	
Ethylbenzene	EPA 8260B	11B1554	0.50	ND	1	2/12/2011	2/12/2011	
Toluene	EPA 8260B	11B1554	0.50	ND	1	2/12/2011	2/12/2011	
Xylenes, Total	EPA 8260B	11B1554	1.0	ND	1	2/12/2011	2/12/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11B1554	1.0	ND	1	2/12/2011	2/12/2011	
tert-Butanol (TBA)	EPA 8260B	11B1554	10	ND	1	2/12/2011	2/12/2011	
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				<i>94 %</i>				
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				<i>101 %</i>				
<i>Surrogate: Toluene-d8 (80-120%)</i>				<i>103 %</i>				

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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
135785
Report Number: IUB0431

Sampled: 02/01/11
Received: 02/03/11

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUB0431-07 (S-12 - Water)				Sampled: 02/01/11				
Reporting Units: ug/l								
Benzene	EPA 8260B	11B1554	0.50	ND	1	2/12/2011	2/12/2011	
Ethylbenzene	EPA 8260B	11B1554	0.50	ND	1	2/12/2011	2/12/2011	
Toluene	EPA 8260B	11B1554	0.50	ND	1	2/12/2011	2/12/2011	
Xylenes, Total	EPA 8260B	11B1554	1.0	ND	1	2/12/2011	2/12/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11B1554	1.0	14	1	2/12/2011	2/12/2011	
tert-Butanol (TBA)	EPA 8260B	11B1554	10	12	1	2/12/2011	2/12/2011	
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				93 %				
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				102 %				
<i>Surrogate: Toluene-d8 (80-120%)</i>				104 %				
Sample ID: IUB0431-08 (S-2 - Water)				Sampled: 02/01/11				
Reporting Units: ug/l								
Benzene	EPA 8260B	11B1554	0.50	ND	1	2/12/2011	2/12/2011	
Ethylbenzene	EPA 8260B	11B1554	0.50	ND	1	2/12/2011	2/12/2011	
Toluene	EPA 8260B	11B1554	0.50	ND	1	2/12/2011	2/12/2011	
Xylenes, Total	EPA 8260B	11B1554	1.0	ND	1	2/12/2011	2/12/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11B1554	1.0	6.9	1	2/12/2011	2/12/2011	
tert-Butanol (TBA)	EPA 8260B	11B1554	10	ND	1	2/12/2011	2/12/2011	
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				92 %				
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				107 %				
<i>Surrogate: Toluene-d8 (80-120%)</i>				104 %				
Sample ID: IUB0431-09 (S-10 - Water)				Sampled: 02/01/11				
Reporting Units: ug/l								
Benzene	EPA 8260B	11B1554	0.50	ND	1	2/12/2011	2/13/2011	
Ethylbenzene	EPA 8260B	11B1554	0.50	ND	1	2/12/2011	2/13/2011	
Toluene	EPA 8260B	11B1554	0.50	ND	1	2/12/2011	2/13/2011	
Xylenes, Total	EPA 8260B	11B1554	1.0	ND	1	2/12/2011	2/13/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11B1554	1.0	ND	1	2/12/2011	2/13/2011	
tert-Butanol (TBA)	EPA 8260B	11B1554	10	110	1	2/12/2011	2/13/2011	
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				92 %				
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				104 %				
<i>Surrogate: Toluene-d8 (80-120%)</i>				105 %				

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San Jose, CA 95112-1105
Attention: Lorin King

Project ID: 5251 Hopyard Rd., Pleasanton, CA - Shell
135785
Report Number: IUB0431

Sampled: 02/01/11
Received: 02/03/11

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUB0431-10 (S-5 - Water)				Sampled: 02/01/11				
Reporting Units: ug/l								
Benzene	EPA 8260B	11B1554	0.50	0.95	1	2/12/2011	2/13/2011	
Ethylbenzene	EPA 8260B	11B1554	0.50	ND	1	2/12/2011	2/13/2011	
Toluene	EPA 8260B	11B1554	0.50	ND	1	2/12/2011	2/13/2011	
Xylenes, Total	EPA 8260B	11B1554	1.0	ND	1	2/12/2011	2/13/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11B1554	1.0	1.6	1	2/12/2011	2/13/2011	
tert-Butanol (TBA)	EPA 8260B	11B1554	10	ND	1	2/12/2011	2/13/2011	
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				92 %				
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				101 %				
<i>Surrogate: Toluene-d8 (80-120%)</i>				104 %				
Sample ID: IUB0431-11 (S-3 - Water)				Sampled: 02/01/11				
Reporting Units: ug/l								
Benzene	EPA 8260B	11B1554	0.50	ND	1	2/12/2011	2/13/2011	
Ethylbenzene	EPA 8260B	11B1554	0.50	ND	1	2/12/2011	2/13/2011	
Toluene	EPA 8260B	11B1554	0.50	ND	1	2/12/2011	2/13/2011	
Xylenes, Total	EPA 8260B	11B1554	1.0	ND	1	2/12/2011	2/13/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11B1554	1.0	8.8	1	2/12/2011	2/13/2011	
tert-Butanol (TBA)	EPA 8260B	11B1554	10	20	1	2/12/2011	2/13/2011	
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				96 %				
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				103 %				
<i>Surrogate: Toluene-d8 (80-120%)</i>				105 %				
Sample ID: IUB0431-12 (S-1 - Water)				Sampled: 02/01/11				
Reporting Units: ug/l								
Benzene	EPA 8260B	11B1554	0.50	13	1	2/12/2011	2/13/2011	
Ethylbenzene	EPA 8260B	11B1554	0.50	38	1	2/12/2011	2/13/2011	
Toluene	EPA 8260B	11B1554	0.50	21	1	2/12/2011	2/13/2011	
Xylenes, Total	EPA 8260B	11B1554	1.0	21	1	2/12/2011	2/13/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11B1554	1.0	14	1	2/12/2011	2/13/2011	
tert-Butanol (TBA)	EPA 8260B	11B1554	10	56	1	2/12/2011	2/13/2011	
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				98 %				
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				102 %				
<i>Surrogate: Toluene-d8 (80-120%)</i>				103 %				

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 San Jose, CA 95112-1105
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Project ID: 5251 Hopyard Rd., Pleasanton, CA - Shell
 135785
 Report Number: IUB0431

Sampled: 02/01/11
 Received: 02/03/11

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUB0431-13 (EW-1 - Water)				Sampled: 02/01/11				
Reporting Units: ug/l								
Benzene	EPA 8260B	11B1554	2.5	10	5	2/12/2011	2/13/2011	
Ethylbenzene	EPA 8260B	11B1554	2.5	520	5	2/12/2011	2/13/2011	
Toluene	EPA 8260B	11B1554	2.5	35	5	2/12/2011	2/13/2011	
Xylenes, Total	EPA 8260B	11B1554	5.0	34	5	2/12/2011	2/13/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11B1554	5.0	5.0	5	2/12/2011	2/13/2011	
tert-Butanol (TBA)	EPA 8260B	11B1554	50	ND	5	2/12/2011	2/13/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				94 %				
Surrogate: Dibromofluoromethane (80-120%)				102 %				
Surrogate: Toluene-d8 (80-120%)				105 %				

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Sampled: 02/01/11
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Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUB0431-08 (S-2 - Water)				Sampled: 02/01/11				
Reporting Units: ug/l								
Sulfate	EPA 300.0	11B0568	50000	180000	100	2/4/2011	2/4/2011	
Sample ID: IUB0431-09 (S-10 - Water)				Sampled: 02/01/11				
Reporting Units: ug/l								
Sulfate	EPA 300.0	11B0568	25000	92000	50	2/4/2011	2/4/2011	
Sample ID: IUB0431-11 (S-3 - Water)				Sampled: 02/01/11				
Reporting Units: ug/l								
Sulfate	EPA 300.0	11B0568	250000	11000000	500	2/4/2011	2/4/2011	
Sample ID: IUB0431-12 (S-1 - Water)				Sampled: 02/01/11				
Reporting Units: ug/l								
Sulfate	EPA 300.0	11B0681	500	2300	1	2/5/2011	2/5/2011	
Sample ID: IUB0431-13 (EW-1 - Water)				Sampled: 02/01/11				
Reporting Units: ug/l								
Sulfate	EPA 300.0	11B0568	50000	740000	100	2/4/2011	2/4/2011	

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San Jose, CA 95112-1105
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135785
Report Number: IUB0431

Sampled: 02/01/11
Received: 02/03/11

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: 11B1554 Extracted: 02/12/11										
Blank Analyzed: 02/12/2011 (11B1554-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	50	ug/l							
Surrogate: Dibromofluoromethane	24.0		ug/l	25.0		96	80-120			
Surrogate: Toluene-d8	25.8		ug/l	25.0		103	80-120			
Surrogate: 4-Bromofluorobenzene	22.7		ug/l	25.0		91	80-120			
LCS Analyzed: 02/12/2011 (11B1554-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	412	50	ug/l	500		82	55-130			
Surrogate: Dibromofluoromethane	24.2		ug/l	25.0		97	80-120			
Surrogate: Toluene-d8	26.4		ug/l	25.0		106	80-120			
Surrogate: 4-Bromofluorobenzene	23.5		ug/l	25.0		94	80-120			
Matrix Spike Analyzed: 02/12/2011 (11B1554-MS1)					Source: IUB0527-07					
Volatile Fuel Hydrocarbons (C4-C12)	854	50	ug/l	1720	ND	50	50-145			
Surrogate: Dibromofluoromethane	25.7		ug/l	25.0		103	80-120			
Surrogate: Toluene-d8	25.5		ug/l	25.0		102	80-120			
Surrogate: 4-Bromofluorobenzene	23.7		ug/l	25.0		95	80-120			
Matrix Spike Dup Analyzed: 02/12/2011 (11B1554-MSD1)					Source: IUB0527-07					
Volatile Fuel Hydrocarbons (C4-C12)	998	50	ug/l	1720	ND	58	50-145	16	20	
Surrogate: Dibromofluoromethane	25.3		ug/l	25.0		101	80-120			
Surrogate: Toluene-d8	25.5		ug/l	25.0		102	80-120			
Surrogate: 4-Bromofluorobenzene	23.7		ug/l	25.0		95	80-120			
Batch: 11B1633 Extracted: 02/14/11										
Blank Analyzed: 02/14/2011 (11B1633-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	50	ug/l							
Surrogate: Dibromofluoromethane	23.9		ug/l	25.0		95	80-120			
Surrogate: Toluene-d8	25.4		ug/l	25.0		102	80-120			
Surrogate: 4-Bromofluorobenzene	23.6		ug/l	25.0		95	80-120			

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Project Manager

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 San Jose, CA 95112-1105
 Attention: Lorin King

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 135785
 Report Number: IUB0431

Sampled: 02/01/11
 Received: 02/03/11

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: 11B1633 Extracted: 02/14/11										
LCS Analyzed: 02/14/2011 (11B1633-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	481	50	ug/l	500		96	55-130			
Surrogate: Dibromofluoromethane	25.0		ug/l	25.0		100	80-120			
Surrogate: Toluene-d8	25.7		ug/l	25.0		103	80-120			
Surrogate: 4-Bromofluorobenzene	23.6		ug/l	25.0		94	80-120			
Matrix Spike Analyzed: 02/14/2011 (11B1633-MS1)										
					Source: IUB0436-01					
Volatile Fuel Hydrocarbons (C4-C12)	1450	50	ug/l	1720	ND	84	50-145			
Surrogate: Dibromofluoromethane	25.9		ug/l	25.0		104	80-120			
Surrogate: Toluene-d8	26.2		ug/l	25.0		105	80-120			
Surrogate: 4-Bromofluorobenzene	24.4		ug/l	25.0		98	80-120			
Matrix Spike Dup Analyzed: 02/14/2011 (11B1633-MSD1)										
					Source: IUB0436-01					
Volatile Fuel Hydrocarbons (C4-C12)	1390	50	ug/l	1720	ND	80	50-145	4	20	
Surrogate: Dibromofluoromethane	25.6		ug/l	25.0		102	80-120			
Surrogate: Toluene-d8	25.1		ug/l	25.0		101	80-120			
Surrogate: 4-Bromofluorobenzene	25.7		ug/l	25.0		103	80-120			

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 Project Manager

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1680 Rogers Avenue
San Jose, CA 95112-1105
Attention: Lorin King

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135785
Report Number: IUB0431

Sampled: 02/01/11
Received: 02/03/11

METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11B1554 Extracted: 02/12/11										
Blank Analyzed: 02/12/2011 (11B1554-BLK1)										
Benzene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
o-Xylene	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Di-isopropyl Ether (DIPE)	ND	1.0	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	1.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	1.0	ug/l							
tert-Butanol (TBA)	ND	10	ug/l							
Surrogate: 4-Bromofluorobenzene	22.7		ug/l	25.0		91	80-120			
Surrogate: Dibromofluoromethane	24.0		ug/l	25.0		96	80-120			
Surrogate: Toluene-d8	25.8		ug/l	25.0		103	80-120			
LCS Analyzed: 02/12/2011 (11B1554-BS1)										
Benzene	26.1	0.50	ug/l	25.0		104	70-120			
Ethylbenzene	26.5	0.50	ug/l	25.0		106	75-125			
Toluene	26.9	0.50	ug/l	25.0		108	70-120			
m,p-Xylenes	53.5	1.0	ug/l	50.0		107	75-125			
o-Xylene	26.8	0.50	ug/l	25.0		107	75-125			
Xylenes, Total	80.3	1.0	ug/l	75.0		107	70-125			
Di-isopropyl Ether (DIPE)	27.9	1.0	ug/l	25.0		111	60-135			
Ethyl tert-Butyl Ether (ETBE)	21.0	1.0	ug/l	25.0		84	65-135			
Methyl-tert-butyl Ether (MTBE)	25.6	1.0	ug/l	25.0		102	60-135			
tert-Amyl Methyl Ether (TAME)	19.5	1.0	ug/l	25.0		78	60-135			
tert-Butanol (TBA)	141	10	ug/l	125		113	70-135			
Surrogate: 4-Bromofluorobenzene	23.4		ug/l	25.0		94	80-120			
Surrogate: Dibromofluoromethane	24.3		ug/l	25.0		97	80-120			
Surrogate: Toluene-d8	25.6		ug/l	25.0		102	80-120			

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Report Number: IUB0431

Sampled: 02/01/11
Received: 02/03/11

METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11B1554 Extracted: 02/12/11										
Matrix Spike Analyzed: 02/12/2011 (11B1554-MS1)					Source: IUB0527-07					
Benzene	20.6	0.50	ug/l	25.0	0.450	81	65-125			
Ethylbenzene	20.4	0.50	ug/l	25.0	0.400	80	65-130			
Toluene	21.8	0.50	ug/l	25.0	1.22	82	70-125			
m,p-Xylenes	41.8	1.0	ug/l	50.0	1.11	81	65-130			
o-Xylene	21.9	0.50	ug/l	25.0	0.430	86	65-125			
Xylenes, Total	63.7	1.0	ug/l	75.0	1.54	83	60-130			
Di-isopropyl Ether (DIPE)	25.6	1.0	ug/l	25.0	ND	102	60-140			
Ethyl tert-Butyl Ether (ETBE)	20.0	1.0	ug/l	25.0	ND	80	60-135			
Methyl-tert-butyl Ether (MTBE)	26.6	1.0	ug/l	25.0	ND	106	55-145			
tert-Amyl Methyl Ether (TAME)	19.1	1.0	ug/l	25.0	ND	76	60-140			
tert-Butanol (TBA)	142	10	ug/l	125	ND	114	65-140			
Surrogate: 4-Bromofluorobenzene	23.7		ug/l	25.0		95	80-120			
Surrogate: Dibromofluoromethane	25.7		ug/l	25.0		103	80-120			
Surrogate: Toluene-d8	25.5		ug/l	25.0		102	80-120			
Matrix Spike Dup Analyzed: 02/12/2011 (11B1554-MSD1)					Source: IUB0527-07					
Benzene	25.5	0.50	ug/l	25.0	0.450	100	65-125	21	20	R
Ethylbenzene	25.3	0.50	ug/l	25.0	0.400	100	65-130	21	20	R
Toluene	26.6	0.50	ug/l	25.0	1.22	102	70-125	20	20	
m,p-Xylenes	51.1	1.0	ug/l	50.0	1.11	100	65-130	20	25	
o-Xylene	25.5	0.50	ug/l	25.0	0.430	100	65-125	15	20	
Xylenes, Total	76.6	1.0	ug/l	75.0	1.54	100	60-130	18	20	
Di-isopropyl Ether (DIPE)	28.0	1.0	ug/l	25.0	ND	112	60-140	9	25	
Ethyl tert-Butyl Ether (ETBE)	22.9	1.0	ug/l	25.0	ND	92	60-135	13	25	
Methyl-tert-butyl Ether (MTBE)	27.3	1.0	ug/l	25.0	ND	109	55-145	3	25	
tert-Amyl Methyl Ether (TAME)	21.4	1.0	ug/l	25.0	ND	86	60-140	12	30	
tert-Butanol (TBA)	134	10	ug/l	125	ND	107	65-140	6	25	
Surrogate: 4-Bromofluorobenzene	23.7		ug/l	25.0		95	80-120			
Surrogate: Dibromofluoromethane	25.3		ug/l	25.0		101	80-120			
Surrogate: Toluene-d8	25.5		ug/l	25.0		102	80-120			

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
 135785
 Report Number: IUB0431

Sampled: 02/01/11
 Received: 02/03/11

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11B0568 Extracted: 02/04/11										
Blank Analyzed: 02/04/2011 (11B0568-BLK1)										
Sulfate	ND	500	ug/l							
LCS Analyzed: 02/04/2011 (11B0568-BS1)										
Sulfate	9870	500	ug/l	10000		99	90-110			
Matrix Spike Analyzed: 02/04/2011 (11B0568-MS1)										
Sulfate	290000	10000	ug/l	100000	192000	98	80-120			
Matrix Spike Analyzed: 02/04/2011 (11B0568-MS2)										
Sulfate	53400	2500	ug/l	10000	40000	135	80-120			MHA
Matrix Spike Dup Analyzed: 02/04/2011 (11B0568-MSD1)										
Sulfate	293000	10000	ug/l	100000	192000	100	80-120	0.9	20	
Matrix Spike Dup Analyzed: 02/05/2011 (11B0568-MSD2)										
Sulfate	51000	2500	ug/l	10000	40000	110	80-120	5	20	MHA
Batch: 11B0681 Extracted: 02/05/11										
Blank Analyzed: 02/05/2011 (11B0681-BLK1)										
Sulfate	ND	500	ug/l							
LCS Analyzed: 02/05/2011 (11B0681-BS1)										
Sulfate	9640	500	ug/l	10000		96	90-110			
Matrix Spike Analyzed: 02/05/2011 (11B0681-MS1)										
Sulfate	101000	5000	ug/l	100000	18800	83	80-120			

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
135785
Report Number: IUB0431

Sampled: 02/01/11
Received: 02/03/11

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11B0681 Extracted: 02/05/11										
Matrix Spike Dup Analyzed: 02/05/2011 (11B0681-MSD1)										
Sulfate	105000	5000	ug/l	100000	18800	86	80-120	4	20	

TestAmerica Irvine

Philip Sanelle
Project Manager

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IUB0431 <Page 16 of 18>

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
135785
Report Number: IUB0431

Sampled: 02/01/11
Received: 02/03/11

DATA QUALIFIERS AND DEFINITIONS

- MHA** Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
- P-HS** Sample container contained headspace.
- R** The RPD exceeded the method control limit due to sample matrix effects. The individual analyte QA/QC recoveries, however, were within acceptance limits.
- 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.

TestAmerica Irvine

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Project Manager

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IUB0431 <Page 17 of 18>

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
135785
Report Number: IUB0431

Sampled: 02/01/11
Received: 02/03/11

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
EPA 300.0	Water	X	X
EPA 8260B	Water	X	X
TPH by GC/MS	Water	X	X

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

TestAmerica Irvine

Philip Sanelle
Project Manager

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IUB0431 <Page 18 of 18>

LAB (LOCATION)

- CALSCIENCE ()
- SPL ()
- XENCO ()
- TEST AMERICA (IRVINE)
- OTHER ()



Shell Oil Products Chain Of Custody Record

Please Check Appropriate Box:

<input type="checkbox"/> ENV. SERVICES	<input type="checkbox"/> MOTIVA RETAIL	<input type="checkbox"/> SHELL RETAIL
<input type="checkbox"/> MOTIVA SD&CM	<input checked="" type="checkbox"/> CONSULTANT	<input type="checkbox"/> LUBES
<input type="checkbox"/> SHELL PIPELINE	<input type="checkbox"/> OTHER _____	

Print Bill-To-Contact Name:
Peter Schaefer 135785

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

INCIDENT # (ENV-SERVICES)
9 8 9 9 5 8 4 3

SAP #

DATE: 2/1/11

PAGE: 1 of 2

SAMPLING COMPANY: Blaine Tech Services

LOG CODE: BTSS

SITE ADDRESS: Street and City
5251 Hopyard Rd., Pleasanton

State: CA

GLOBAL ID NO.: T0600101267

ADDRESS:
1880 Rogers Avenue, San Jose, CA

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

PHONE NO.: 510-420-3343

E-MAIL: shelledf@croworld.com

CONSULTANT PROJECT NO.: 110211-DRI

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

SAMPLER NAME(S) (Print): D. Reynal

LAB-USE ONLY: EUB0431

TELEPHONE: 310-995-4455 x 108

FAX: 310-637-5802

E-MAIL: lking@blainetech.com

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

REQUESTED ANALYSIS

LA - RWQCB REPORT FORMAT

UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES:
Email invoice and copy of final report to Shell.Lab.Billing@croworld.com

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

TPH -GRO, Purgeable (8260B)	TPH -DRO, Extractable (8015M)	TPHg (8015M)	BTEX (8260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B)	BTEX + 5 OXYs (MTBE, TBA, DIPE, TAME, ETBE) 8260B	Full VOC list (8260B)	Single Compound: (8260B)	1,2-DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	Sulfate	TEMPERATURE ON REPORT °C 235
-----------------------------	-------------------------------	--------------	--------------	---------------------	---------------------------	---	-----------------------	--------------------------	-----------------	-------------	-----------------	------------------	---------	---------------------------------

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	PRESERVATIVE					NO. OF CONT.	REQUESTED ANALYSIS													Container PID Readings or Laboratory Notes			
		DATE	TIME		HCL	HNO3	H2SO4	NONE	OTHER		TPH -GRO, Purgeable (8260B)	TPH -DRO, Extractable (8015M)	TPHg (8015M)	BTEX (8260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B)	BTEX + 5 OXYs (MTBE, TBA, DIPE, TAME, ETBE) 8260B	Full VOC list (8260B)	Single Compound: (8260B)	1,2-DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)		Sulfate		
	S-6	2/1/11	1050	W	3						3	X															
	S-7		1045	W	3						3	X															
	S-8		1130	W	3						3	X															
	S-4		1145	W	3						3	X															
	S-9		1210	W	3						3	X															
	S-11		1235	W	3						3	X															
	S-12		1325	W	3						3	X															
	S-2		1340	W	3					1	4	X													X		
	S-10		1405	W	3					1	4	X													X		
	S-5		1430	W	3						3	X															

Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>D-O-R (Sample custodian)</i>	Date: 2/1/11	Time: 1725
Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date: 2/2/11	Time: 0830
Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date: 02/02/11	Time: 12:00

Derald Reynal 2-2-11 17:00

[Signature] 2/03/11 11:25

[Signature] 2-3-11 1705

05/2/08 Revision #07A15 (3)

LAB (LOCATION)

- CALSCIENCE ()
- SPL ()
- XENCO ()
- TEST AMERICA (IRVINE)
- OTHER ()



Shell Oil Products Chain Of Custody Record

Please Check Appropriate Box:

<input type="checkbox"/> ENV. SERVICES	<input type="checkbox"/> MOTIVA RETAIL	<input type="checkbox"/> SHELL RETAIL
<input type="checkbox"/> MOTIVA SD&CM	<input checked="" type="checkbox"/> CONSULTANT	<input type="checkbox"/> LUBES
<input type="checkbox"/> SHELL PIPELINE	<input type="checkbox"/> OTHER _____	

Print Bill To Contact Name:
Peter Schaefer 135785

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

INCIDENT # (ENV SERVICES)
9 8 9 9 5 8 4 3

SAP #

CHECK IF NO INCIDENT # APPLIES

DATE: 2/1/11

PAGE: 2 of 2

SAMPLING COMPANY:
Blaine Tech Services

LOG CODE:
BTSS

ADDRESS:
1680 Rogers Avenue, San Jose, CA

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

TELEPHONE: 310-995-4455 x 108 FAX: 310-837-5802 E-MAIL: lking@blainetech.com

SITE ADDRESS: Street and City
5251 Hopyard Rd., Pleasanton

State: CA GLOBAL ID NO.: T0800101267

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

PHONE NO.: 510-420-3343 E-MAIL: shelledf@croworld.com

CONSULTANT PROJECT NO.: 110201-DR1

SAMPLER NAME(S) (P#):
D. Raynal

LAB USE ONLY
IUB0431

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

LA - RWQCB REPORT FORMAT UST AGENCY:

REQUESTED ANALYSIS

TEMPERATURE ON RECEPTION °C
2.31

Container PID Readings or Laboratory Notes

SPECIAL INSTRUCTIONS OR NOTES :

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

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

LAB USE ONLY	Field Sample Identification		SAMPLING		MATRIX	PRESERVATIVE					NO. OF CONT.	TPH-GRO, Purgeable (8260B)	TPH-DRO, Extractable (8015M)	TPHg (8015M)	BTEX (8260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B)	BTEX + 5 OXYs (MTBE, TBA, DIPE, TAME, ETBE) 8260B	Full VOC list (8260B)	Single Compound: (8260B)	1,2-DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	Sulfate	TEMPERATURE ON RECEPTION °C	Container PID Readings or Laboratory Notes								
	DATE	TIME	HCL	HNO3		H2SO4	NONE	OTHER																											
	S-3		2/1/11	1545	W	3			1		4	X				X																			
	S-1		↓	1550	W	3			1		4	X				X																			
	FW-1		↓	1630	W	3			1		4	X				X																			

Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i> (sample custodian)	Date: 2/1/11	Time: 1725
Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i> / TASF	Date: 2/2/11	Time: 0830
Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date: 02/02/11	Time: 12:00

[Handwritten signatures and notes]

2-2-11 17:00

2/02/11 1125

05/2009 Revision #03A05

(9) (4)