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TRANSMITTAL

DATE: August 13, 2014 REFERENCE NO.: 240523
PROJECT NAME: 4212 First Street, Pleasanton
TO: Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

RECEIVED

By Alameda County Environmental Health at 2:54 pm, Aug 18, 2014

Please find enclosed: Draft Final
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QUANTITY	DESCRIPTION
1	Groundwater Monitoring Report - Second Quarter 2014

As Requested For Review and Comment
 For Your Use

COMMENTS:

If you have any questions regarding the content of this document, please call the CRA project manager Peter Schaefer at (510) 420-3319 or the Shell program manager Perry Pineda at (425) 413-1164.

Copy to: Perry Pineda, Shell Oil Products US (electronic copy)
Douglas E. & Mary M. Safreno (property owners), 1627 Vineyard Avenue, Pleasanton, CA 94566-6389 (electronic and hard copy)
Danielle Stefani, Livermore-Pleasanton Fire Department, 3560 Nevada Street, Pleasanton, CA 94566-6267
Clint Mercer (lessee), SC Fuels, 1800 West Katella Avenue, Orange, CA 92867
Colleen Winey, Zone 7 Water Agency (electronic copy)
Aaron O'Brien, Tamalpais Environmental Consultants (electronic copy)

Completed by: Peter Schaefer Signed: 

Filing: **Correspondence File**



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

Shell Oil Products US
Soil and Groundwater Focus Delivery Group
20945 S. Wilmington Avenue
Carson, CA 90810
Tel (425) 413 1164
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Email perry.pineda@shell.com
Internet <http://www.shell.com>

Re: 4212 First Street
Pleasanton, California
SAP Code 135782
Incident No. 98995840
ACEH Case No. RO0000360

Dear Mr. Wickham:

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

As always, please feel free to contact me directly at (425) 413-1164 with any questions or concerns.

Sincerely,
Shell Oil Products US

A handwritten signature in black ink, appearing to read 'Perry Pineda', is located below the typed name.

Perry Pineda
Senior Environmental Program Manager



GROUNDWATER MONITORING REPORT - SECOND QUARTER 2014

**SHELL-BRANDED SERVICE STATION
4212 FIRST STREET
PLEASANTON, CALIFORNIA**

**SAP CODE 135782
INCIDENT NO. 98995840
AGENCY NO. RO0000360**

**AUGUST 13, 2014
REF. NO. 240523 (27)**

This report is printed on recycled paper.

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

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1.0 INTRODUCTION

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

1.1 SITE INFORMATION

Site Address	4212 First Street, Pleasanton
Site Use	Shell-branded Service Station
Shell Project Manager	Perry Pineda
CRA Project Manager	Peter Schaefer
Lead Agency and Contact	ACEH, Jerry Wickham
Agency Case No.	RO0000360
Shell SAP Code	135782
Shell Incident No.	98995840

Date of most recent agency correspondence was June 17, 2014.

2.0 SITE ACTIVITIES, FINDINGS, AND DISCUSSION

2.1 CURRENT QUARTER'S ACTIVITIES

Blaine Tech Services, Inc. (Blaine) gauged and sampled the wells according to the modified 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.

On June 4, 2014, CRA submitted a *Soil Vapor Sampling Report*, which recommended no further soil vapor sampling.

Alameda County Environmental Health's (ACEH's) June 17, 2014 letter concurred with the recommendations in CRA's May 14, 2014 *Groundwater Monitoring Report - First Quarter 2014*, which proposed reducing groundwater sampling frequency from

quarterly to semiannual to be conducted in the second and fourth quarters, and concurred that no additional soil vapor sampling is warranted.

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Northerly to northeasterly
Hydraulic Gradient	0.07
Depth to Water	33.30 to 102.50 feet below top of well casing

2.3 PROPOSED ACTIVITIES

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

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

Peter Schaefer
Peter Schaefer, CHG, CEG

Aubrey K. Cool
Aubrey K. Cool, PG



FIGURES

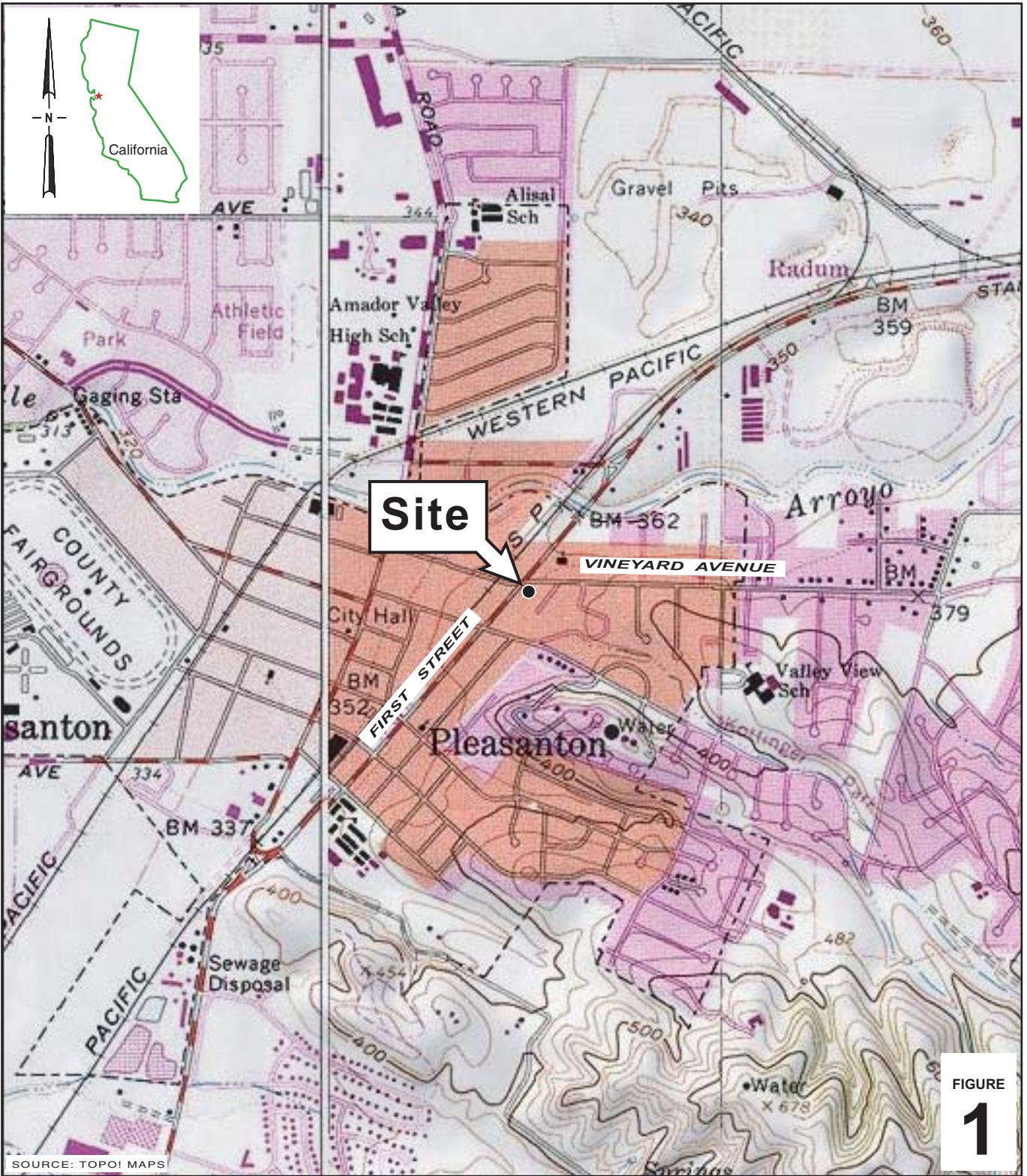


FIGURE
1

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

Shell-branded Service Station
4212 First Street
Pleasanton, California



**CONESTOGA-ROVERS
& ASSOCIATES**

Vicinity Map

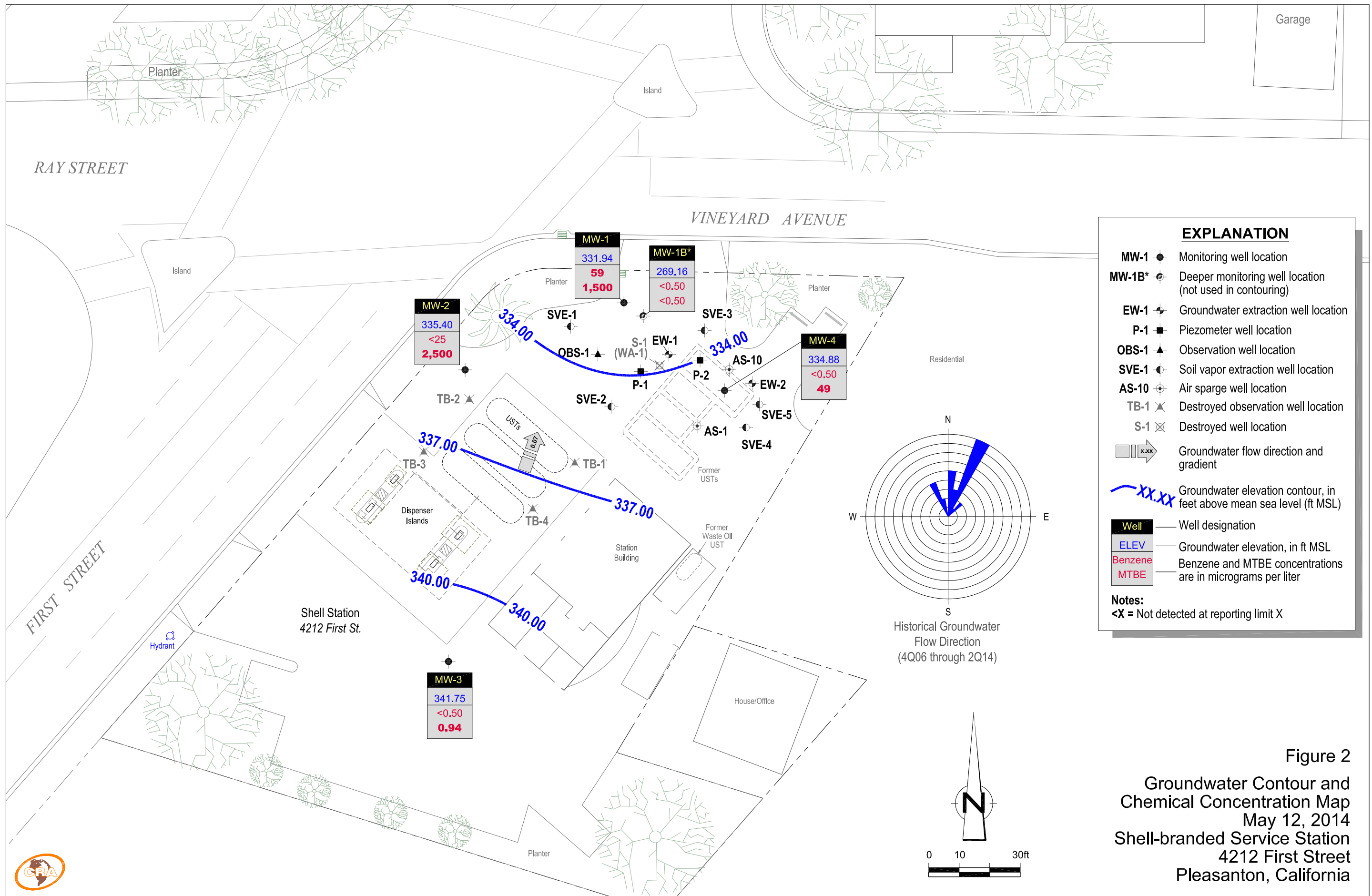


Figure 2
 Groundwater Contour and
 Chemical Concentration Map
 May 12, 2014
 Shell-branded Service Station
 4212 First Street
 Pleasanton, California

TABLE

TABLE 1

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

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE		TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Nitrate		Alkalinity as CaCO ₃ (µg/L)	Ferrous Iron (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO (mg/L)	ORP (mV)
							8020 (µg/L)	8260 (µg/L)					as N (µg/L)	Sulfate (µg/L)							
MW-1	06/16/1999	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	371.20	37.81	333.39	--	--
MW-1	06/30/1999	89.0	5.89	<0.500	<0.500	0.652	<5.00	--	--	--	--	--	--	--	--	--	371.20	33.65	337.55	--	--
MW-1	09/24/1999	1,560	473	<10.0	<10.0	22.8	<2.50	--	--	--	--	--	--	--	--	--	371.20	37.04	334.16	--	--
MW-1	12/08/1999	1,020	375	<5.00	<5.00	15.2	<50.0	--	--	--	--	--	--	--	--	--	371.20	36.79	334.41	--	--
MW-1	02/10/2000	523	106	<5.00	<5.00	31.8	2.9	--	--	--	--	--	--	--	--	--	371.20	34.90	336.30	--	--
MW-1	05/17/2000	<50.0	<0.500	<0.500	<0.500	<0.500	37	29.5	--	--	--	--	--	--	--	--	371.20	32.55	338.65	--	--
MW-1	08/03/2000	808	290	<2.50	<2.50	8.9	<12.5	--	--	--	--	--	--	--	--	--	371.20	39.13	332.07	--	--
MW-1	10/31/2000	507	250	0.962	<0.500	23.5	3.76	--	--	--	--	--	--	--	--	--	371.20	37.91	333.29	--	--
MW-1	03/01/2001	<50.0	<0.500	<0.500	<0.500	<0.500	74.6	--	--	--	--	--	--	--	--	--	371.20	39.60	331.60	--	--
MW-1	05/30/2001	780	280	<2.0	<2.0	11	--	<2.0	--	--	--	--	--	--	--	--	371.20	39.53	331.67	--	--
MW-1	08/02/2001	1,900	580	<2.5	<2.5	12	--	<25	--	--	--	--	--	--	--	--	371.20	39.61	331.59	--	--
MW-1	12/06/2001	840	190	<0.50	<0.50	13	--	<5.0	--	--	--	--	--	--	--	--	371.20	39.63	331.57	--	--
MW-1	02/05/2002	2,700	650	<2.5	<2.5	7.2	--	<25	--	--	--	--	--	--	--	--	371.20	35.53	335.67	--	--
MW-1	06/17/2002	2,500	550	<2.0	<2.0	5.9	--	<20	--	--	--	--	--	--	--	--	371.20	39.29	331.91	--	--
MW-1	07/25/2002	690	130	<0.50	<0.50	4.4	--	18	--	--	--	--	--	--	--	--	371.20	39.39	331.81	--	--
MW-1	11/14/2002	400	31	<0.50	<0.50	2.7	--	27	--	--	--	--	--	--	--	--	371.20	40.00	331.20	--	--
MW-1	02/12/2003	840	0.85	<0.50	<0.50	<0.50	--	40	--	--	--	--	--	--	--	--	371.20	32.92	338.28	--	--
MW-1	05/14/2003	680	190	<2.5	<2.5	<5.0	--	95	--	--	--	--	--	--	--	--	371.20	32.57	338.63	--	--
MW-1	07/29/2003	870	190	<2.5	<2.5	<5.0	--	150	--	--	--	--	--	--	--	--	371.20	33.82	337.38	--	--
MW-1	11/19/2003	<200	14	<2.0	<2.0	<4.0	--	230	--	--	--	--	--	--	--	--	371.20	38.28	332.92	--	--
MW-1	02/19/2004	58 c	11	<0.50	<0.50	<1.0	--	85	--	--	--	--	--	--	--	--	371.20	36.93	334.27	--	--
MW-1	05/03/2004	670	310	<2.5	<2.5	<5.0	--	420	--	--	--	--	--	--	--	--	371.20	32.70	338.50	--	--
MW-1	08/24/2004	430 c	34	<2.5	<2.5	<5.0	--	690	--	--	--	--	--	--	--	--	371.20	34.66	336.54	--	--
MW-1	11/15/2004	<250	29	<2.5	<2.5	<5.0	--	470	--	--	--	--	--	--	--	--	371.20	38.27	332.93	--	--
MW-1	02/02/2005	540 e	87	<2.5	<2.5	<5.0	--	700	--	--	--	--	--	--	--	--	371.20	32.02	339.18	--	--
MW-1	05/05/2005	460 e	88	<2.5	<2.5	<5.0	--	300	--	--	--	--	--	--	--	--	371.20	36.82	334.38	--	--
MW-1	08/05/2005	910	230	<2.5	<2.5	<5.0	--	480	--	--	--	--	--	--	--	--	371.20	33.35	337.85	--	--
MW-1	11/22/2005	1,760	27	<0.500	<0.500	1.18	--	1,160	--	--	--	--	--	--	--	--	371.20	33.42	337.78	--	--
MW-1	02/07/2006	4,620	225	<0.500	<0.500	<0.500	--	1,480	--	--	--	--	--	--	--	--	371.20	31.63	339.57	--	--
MW-1	05/16/2006	1,100	130	<0.50	2.0	2.1	--	1,600	--	--	--	--	--	--	--	--	371.20	31.16	340.04	--	--
MW-1	08/21/2006	2,700	86	<0.500	0.79	0.81	--	1,960	--	--	--	--	--	--	--	--	371.20	33.07	338.13	--	--
MW-1	11/14/2006	1,400 c	30	<25	<25	<25	--	2,100	<1,000	<25	<25	<25	--	--	--	--	371.20	33.73	337.47	--	--
MW-1	02/01/2007	800	21	<0.50	<0.50	<1.0	--	2,300	--	--	--	--	--	--	--	--	371.20	33.02	338.18	--	--
MW-1	06/01/2007	1,400 d,e	68	<20	<20	4.4 f	--	2,200	--	--	--	--	--	--	--	--	371.20	32.87	338.33	--	--
MW-1	08/22/2007	250 d	20	<20	<20	<20	--	3,100	1,500	--	--	--	--	--	--	--	371.20	34.64	336.56	--	--
MW-1	11/26/2007	1,800 d	33	<20	<20	<20	--	3,100	930	<40	<40	<40	--	--	--	--	371.20	35.59	335.61	--	--
MW-1	02/19/2008	1,800 d	33	<20	<20	<20	--	3,700	1,700	--	--	--	--	--	--	--	371.20	31.05	340.15	--	--
MW-1	05/23/2008	3,700	100	<25	<25	<25	--	3,100	1,300	--	--	--	--	--	--	--	371.20	31.80	339.40	--	--
MW-1	08/07/2008	4,200	33	<25	<25	<25	--	3,500	<250	--	--	--	--	--	--	--	371.20	33.03	338.17	--	--
MW-1	12/03/2008	3,400	34	<25	<25	<25	--	3,200	980	--	--	--	--	--	--	--	371.20	35.19	336.01	--	--
MW-1	02/05/2009	2,100	26	<25	<25	<25	--	1,700	340	--	--	--	--	--	--	--	371.20	35.07	336.13	--	--
MW-1	05/07/2009	4,400	230	<25	<25	<25	--	3,700	980	--	--	--	--	--	--	--	371.20	32.45	338.75	--	--

TABLE 1

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

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE		TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Nitrate		Alkalinity as CaCO ₃ (µg/L)	Ferrous Iron (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW		
							8020 (µg/L)	8260 (µg/L)					as N (µg/L)	Sulfate (µg/L)					Elevation (ft MSL)	DO (mg/L)	ORP (mV)
MW-1	08/20/2009	3,100	86	<25	<25	<25	---	2,500	730	---	---	---	---	---	---	---	371.20	34.48	336.72	---	---
MW-1	11/09/2009	3,200	230	<20	<20	33	---	2,100	530	<40	<40	<40	---	---	---	---	371.20	35.84	335.36	---	---
MW-1	02/11/2010	4,400	30	<20	<20	<20	---	3,000	730	---	---	---	---	---	---	---	371.20	34.06	337.14	---	---
MW-1	05/13/2010	3,300	38	<20	<20	<20	---	3,300	1,100	---	---	---	---	---	---	---	371.20	31.99	339.21	---	---
MW-1	08/05/2010	4,200	12	<20	<20	<20	---	3,800	1,300	---	---	---	---	---	---	---	371.20	33.70	337.50	---	---
MW-1	10/30/2010	2,700	<10	<20	<20	<20	---	3,400	770	<40	<40	<40	---	---	---	---	371.20	33.12	338.08	---	---
MW-1	02/09/2011	2,600	32	<12	<12	<25	---	3,400	1,100	---	---	---	---	---	---	---	371.20	33.03	338.17	---	---
MW-1	05/31/2011	<2,500	26	<25	<25	<50	---	3,000	1,000	---	---	---	---	---	---	---	371.20	32.21	338.99	---	---
MW-1	07/27/2011	3,900 c	28	<10	<10	<20	---	4,100	1,400	---	---	---	---	---	---	---	371.20	33.60	337.60	---	---
MW-1	11/04/2011	4,200	<25	<25	<25	<50	---	4,800	790	<50	<50	<50	---	---	---	---	371.20	31.20	340.00	---	---
MW-1	05/23/2012	3,300	12	<10	<10	<20	---	3,400	710	---	---	---	5,000 g	19,000	630,000	<100	371.20	32.61	338.59	2.28	63
MW-1	08/31/2012	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	371.20	34.72	336.48	---	---
MW-1	09/04/2012	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	371.20	31.31	339.89	---	---
MW-1	09/07/2012	<5,000	<50	<50	<50	<100	---	2,700	<1,000	---	---	---	4,500 a	20,000	640,000	---	371.20	35.82	335.38	1.21	96
MW-1	11/13/2012	2,600	52	<25	<25	<50	---	2,700	<500	<25	<25	<25	4,700	21,000	630,000	---	371.20	37.19	334.01	1.93	54
MW-1	05/14/2013	6,500	410	<5.0	<5.0	<10	---	1,600	940	---	---	---	1,900	17,000	670,000	---	371.20	36.01	335.19	1.25	112
MW-1	07/31/2013	4,700	550	<5.0	<5.0	59	---	870	470	---	---	---	350	42,000	530,000	---	371.20	37.02	334.18	1.75	-10
MW-1	11/12/2013	2,100	71	<5.0	<5.0	<10	---	1,300	810	---	---	---	970	19,000	710,000	---	371.20	39.50	331.70	1.68	88
MW-1	02/04/2014	1,200	13	<0.50	<0.50	<1.0	---	1,500	890	---	---	---	2,200	18,000	700,000	---	371.20	39.84	331.36	1.19	140
MW-1	05/12/2014	2,000	59	<10	<10	<20	---	1,500	670	---	---	---	280	21,000	650,000	---	371.20	39.26	331.94	1.44	72
MW-1B	09/21/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	371.67	76.94	294.73	---	---
MW-1B	09/28/2006	<50	<0.50	<0.50	<0.50	<0.50	---	21	<20	---	---	---	---	---	---	---	371.67	77.15	294.52	---	---
MW-1B	11/14/2006	320 c	<5.0	<5.0	<5.0	<5.0	---	310	<200	<5.0	<5.0	<5.0	---	---	---	---	371.67	69.38	302.29	---	---
MW-1B	02/01/2007	77	0.53	<0.50	<0.50	<1.0	---	150	---	---	---	---	---	---	---	---	371.67	60.92	310.75	---	---
MW-1B	06/01/2007	<50 d,e	0.25 f	<1.0	<1.0	<1.0	---	74	---	---	---	---	---	---	---	---	371.67	61.07	310.60	---	---
MW-1B	08/22/2007	<50 d	0.25 f	<1.0	<1.0	<1.0	---	35	7.1 f	---	---	---	---	---	---	---	371.67	77.54	294.13	---	---
MW-1B	11/26/2007	<50 d	<0.50	<1.0	<1.0	<1.0	---	1.7	<10	<2.0	<2.0	<2.0	---	---	---	---	371.67	68.50	303.17	---	---
MW-1B	02/19/2008	65 d	2.6	4.2	<1.0	1.1	---	58	<10	---	---	---	---	---	---	---	371.67	57.21	314.46	---	---
MW-1B	05/23/2008	<50	<0.50	<1.0	<1.0	<1.0	---	3.6	<10	---	---	---	---	---	---	---	371.67	57.53	314.14	---	---
MW-1B	08/07/2008	<50	<0.50	<1.0	<1.0	<1.0	---	1.1	<10	---	---	---	---	---	---	---	371.67	72.51	299.16	---	---
MW-1B	12/03/2008	<50	<0.50	<1.0	<1.0	<1.0	---	3.4	<10	---	---	---	---	---	---	---	371.67	80.84	290.83	---	---
MW-1B	02/05/2009	<50	<0.50	<1.0	<1.0	<1.0	---	4.4	<10	---	---	---	---	---	---	---	371.67	76.11	295.56	---	---
MW-1B	05/07/2009	<50	<0.50	<1.0	<1.0	<1.0	---	2.5	13	---	---	---	---	---	---	---	371.67	66.97	304.70	---	---
MW-1B	08/20/2009	<50	<0.50	<1.0	<1.0	<1.0	---	1.7	<10	---	---	---	---	---	---	---	371.67	97.32	274.35	---	---
MW-1B	11/09/2009	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	---	371.67	98.90	272.77	---	---
MW-1B	02/11/2010	<50	<0.50	<1.0	<1.0	<1.0	---	1.1	<10	---	---	---	---	---	---	---	371.67	90.72	280.95	---	---
MW-1B	05/13/2010	<50	<0.50	<1.0	<1.0	<1.0	---	2.0	<10	---	---	---	---	---	---	---	371.67	80.56	291.11	---	---
MW-1B	08/05/2010	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	---	---	---	---	---	---	---	371.67	90.10	281.57	---	---
MW-1B	10/30/2010	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	---	371.67	102.21	269.46	---	---
MW-1B	02/09/2011	<50	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	---	---	---	---	---	---	---	371.67	90.24	281.43	---	---
MW-1B	05/31/2011	<50	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	---	---	---	---	---	---	---	371.67	73.83	297.84	---	---

TABLE 1

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

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE		TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Nitrate		Alkalinity as CaCO ₃ (µg/L)	Ferrous Iron (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW		
							8020 (µg/L)	8260 (µg/L)					as N (µg/L)	Sulfate (µg/L)					Elevation (ft MSL)	DO (mg/L)	ORP (mV)
MW-1B	07/27/2011	<50	<0.50	<0.50	<0.50	<1.0	--	<1.0	<10	--	--	--	--	--	--	--	371.67	82.90	288.77	--	--
MW-1B	11/04/2011	<50	<0.50	<0.50	<0.50	<1.0	--	<1.0	<10	<1.0	<1.0	<1.0	--	--	--	--	371.67	89.19	282.48	--	--
MW-1B	05/23/2012	<50	<0.50	<0.50	<0.50	<1.0	--	1.2	<10	--	--	--	18,000	51,000	270,000	<100	371.67	82.10	289.57	2.67	207
MW-1B	09/07/2012	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	<10	--	--	--	19,000 a	49,000	260,000	--	371.66	102.45	269.21	1.54	204
MW-1B	11/13/2012	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	<10	<0.50	<0.50	<0.50	21,000	70,000	270,000	--	371.66	102.33	269.33	2.25	121
MW-1B	05/14/2013	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	<10	--	--	--	25,000	53,000	280,000	--	371.66	99.32	272.35	1.41	96
MW-1B	07/31/2013	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	<10	--	--	--	20,000	50,000	270,000	--	371.66	102.77	268.90	1.98	20
MW-1B	11/12/2013	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	<10	--	--	--	19,000	49,000	300,000	--	371.66	102.83	268.83	1.96	92
MW-1B	02/04/2014	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	<10	--	--	--	22,000	54,000	330,000	--	371.66	102.89	268.77	1.09	154
MW-1B	05/12/2014	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	<10	--	--	--	22,000	54,000	290,000	--	371.66	102.50	269.16	1.77	83
MW-2	02/03/2000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	372.40	32.65	339.75	--	--
MW-2	02/07/2000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	372.40	35.51	336.89	--	--
MW-2	02/10/2000	<50.0	<0.500	<0.500	<0.500	<0.500	2.61	--	--	--	--	--	--	--	--	--	372.40	36.62	335.78	--	--
MW-2	05/17/2000	120	4.09	<0.500	<0.500	<0.500	29	--	--	--	--	--	--	--	--	--	372.40	32.14	340.26	--	--
MW-2	08/03/2000	<50.0	0.692	<0.500	<0.500	<0.500	40.5	36.6 b	--	--	--	--	--	--	--	--	372.40	32.42	339.98	--	--
MW-2	10/31/2000	<50.0	<0.500	<0.500	<0.500	<0.500	57.4	44.8 a	--	--	--	--	--	--	--	--	372.40	33.02	339.38	--	--
MW-2	03/01/2001	173	1.64	1.65	2.86	3.97	127	167	--	--	--	--	--	--	--	--	372.40	32.54	339.86	--	--
MW-2	05/30/2001	<50	<0.50	<0.50	<0.50	<0.50	--	170	--	--	--	--	--	--	--	--	372.40	32.42	339.98	--	--
MW-2	08/02/2001	<50	<0.50	<0.50	<0.50	<0.50	--	160	--	--	--	--	--	--	--	--	372.40	32.55	339.85	--	--
MW-2	12/06/2001	<50	<0.50	<0.50	<0.50	<0.50	--	170	--	--	--	--	--	--	--	--	372.40	33.15	339.25	--	--
MW-2	02/05/2002	<50	0.72	<0.50	<0.50	1.7	--	170	--	--	--	--	--	--	--	--	372.40	32.29	340.11	--	--
MW-2	06/17/2002	<50	<0.50	<0.50	<0.50	<0.50	--	260	--	--	--	--	--	--	--	--	372.40	32.63	339.77	--	--
MW-2	07/25/2002	<50	<0.50	<0.50	<0.50	<0.50	--	280	--	--	--	--	--	--	--	--	372.40	32.80	339.60	--	--
MW-2	11/14/2002	120	13	9.0	3.8	14	--	430	--	--	--	--	--	--	--	--	372.40	33.31	339.09	--	--
MW-2	02/12/2003	<100	<1.0	<1.0	<1.0	<1.0	--	430	--	--	--	--	--	--	--	--	372.40	32.15	340.25	--	--
MW-2	05/14/2003	<250	<2.5	<2.5	<2.5	<5.0	--	470	--	--	--	--	--	--	--	--	372.40	32.01	340.39	--	--
MW-2	07/29/2003	<250	<2.5	<2.5	<2.5	<5.0	--	670	--	--	--	--	--	--	--	--	372.40	32.51	339.89	--	--
MW-2	11/19/2003	<50	<0.50	<0.50	<0.50	<1.0	--	54	--	--	--	--	--	--	--	--	372.40	33.83	338.57	--	--
MW-2	02/19/2004	65	<0.50	3.4	1.4	6.5	--	8.2	--	--	--	--	--	--	--	--	372.40	32.68	339.72	--	--
MW-2	05/03/2004	<50	<0.50	<0.50	<0.50	<1.0	--	5.2	--	--	--	--	--	--	--	--	372.40	32.07	340.33	--	--
MW-2	08/24/2004	<50	<0.50	<0.50	<0.50	<1.0	--	2.7	--	--	--	--	--	--	--	--	372.40	32.44	339.96	--	--
MW-2	11/15/2004	<50	<0.50	<0.50	<0.50	<1.0	--	1.3	--	--	--	--	--	--	--	--	372.40	32.95	339.45	--	--
MW-2	02/02/2005	<50	<0.50	<0.50	<0.50	<1.0	--	24	--	--	--	--	--	--	--	--	372.40	31.94	340.46	--	--
MW-2	05/05/2005	72 c	<0.50	<0.50	<0.50	<1.0	--	4.9	--	--	--	--	--	--	--	--	372.40	31.91	340.49	--	--
MW-2	08/05/2005	<50	<0.50	<0.50	<0.50	<1.0	--	16	--	--	--	--	--	--	--	--	372.40	32.15	340.25	--	--
MW-2	11/22/2005	840	0.80	<0.500	<0.500	0.87	--	556	--	--	--	--	--	--	--	--	372.40	32.31	340.09	--	--
MW-2	02/07/2006	3,550	<0.500	<0.500	<0.500	<0.500	--	2,500	--	--	--	--	--	--	--	--	372.40	31.70	340.70	--	--
MW-2	05/16/2006	1,400	<5.0	<5.0	<5.0	<10	--	1,700	--	--	--	--	--	--	--	--	372.40	31.38	341.02	--	--
MW-2	08/21/2006	1,910	<0.500	<0.500	<0.500	<0.500	--	2,590	--	--	--	--	--	--	--	--	372.40	33.29	339.11	--	--
MW-2	11/14/2006	2,300 c	<25	<25	<25	<25	--	2,500	<1,000	<25	<25	<25	--	--	--	--	372.40	32.67	339.73	--	--
MW-2	02/01/2007	670	<0.50	<0.50	<0.50	<1.0	--	2,000	--	--	--	--	--	--	--	--	372.40	32.13	340.27	--	--

TABLE 1

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

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE		TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Nitrate		Alkalinity as CaCO ₃ (µg/L)	Ferrous Iron (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW		
							8020 (µg/L)	8260 (µg/L)					as N (µg/L)	Sulfate (µg/L)					Elevation (ft MSL)	DO (mg/L)	ORP (mV)
MW-2	06/01/2007	500 d,e	<10	<20	<20	<20	---	2,000	---	---	---	---	---	---	---	---	372.40	32.14	340.26	---	---
MW-2	08/22/2007	100 d,e	<10	<20	<20	<20	---	2,400	120 f	---	---	---	---	---	---	---	372.40	32.93	339.47	---	---
MW-2	11/26/2007	1,600 d,e	<10	<20	<20	<20	---	2,900	<200	<40	<40	<40	---	---	---	---	372.40	33.44	338.96	---	---
MW-2	02/19/2008	1,300 d,e	<10	<20	<20	<20	---	3,300	<200	---	---	---	---	---	---	---	372.40	31.18	341.22	---	---
MW-2	05/23/2008	1,900	<12	<25	<25	<25	---	1,700	<250	---	---	---	---	---	---	---	372.40	31.44	340.96	---	---
MW-2	08/07/2008	1,700	<10	<20	<20	<20	---	1,300	<200	---	---	---	---	---	---	---	372.40	31.94	340.46	---	---
MW-2	12/03/2008	3,000	<10	<20	<20	<20	---	2,900	<200	---	---	---	---	---	---	---	372.40	32.53	339.87	---	---
MW-2	02/05/2009	1,200	<10	<20	<20	<20	---	1,000	<200	---	---	---	---	---	---	---	372.40	32.29	340.11	---	---
MW-2	05/07/2009	2,400	<10	<20	<20	<20	---	2,400	<200	---	---	---	---	---	---	---	372.40	31.98	340.42	---	---
MW-2	08/20/2009	2,800	<10	<20	<20	<20	---	2,400	<200	---	---	---	---	---	---	---	372.40	32.51	339.89	---	---
MW-2	11/09/2009	4,100	<12	<25	<25	<25	---	3,800	<250	<50	<50	<50	---	---	---	---	372.40	32.43	339.97	---	---
MW-2	02/11/2010	4,300	<12	<25	<25	<25	---	3,200	<250	---	---	---	---	---	---	---	372.40	32.07	340.33	---	---
MW-2	05/13/2010	2,400	<10	<20	<20	<20	---	2,500	<200	---	---	---	---	---	---	---	372.40	31.63	340.77	---	---
MW-2	08/05/2010	1,500	<5.0	<10	<10	<10	---	1,400	210	---	---	---	---	---	---	---	372.40	33.82	338.58	---	---
MW-2	10/30/2010	1,700	<5.0	<10	<10	<10	---	2,200	130	<20	<20	<20	---	---	---	---	372.40	32.82	339.58	---	---
MW-2	02/09/2011	1,400	<12	<12	<12	<25	---	1,900	<250	---	---	---	---	---	---	---	372.40	32.11	340.29	---	---
MW-2	05/31/2011	<1,000	<10	<10	<10	<20	---	1,200	<200	---	---	---	---	---	---	---	372.40	31.97	340.43	---	---
MW-2	07/27/2011	1,600 c	<10	<10	<10	<20	---	2,000	<200	---	---	---	---	---	---	---	372.40	32.30	340.10	---	---
MW-2	11/04/2011	2,100	<10	<10	<10	<20	---	2,500	<200	<20	<20	<20	---	---	---	---	372.40	33.20	339.20	---	---
MW-2	05/23/2012	2,700	<10	<10	<10	<20	---	3,000	<200	---	---	---	7,500	70,000	300,000	300	372.40	31.92	340.48	1.51	42
MW-2	09/07/2012	2,500 c	<25	<25	<25	<50	---	2,100	<500	---	---	---	5,800 a	80,000	300,000	---	372.40	33.32	339.08	1.75	68
MW-2	11/13/2012	2,100	<20	<20	<20	<40	---	2,500	<400	<20	<20	<20	8,400	77,000	310,000	---	372.40	34.91	337.49	1.27	22
MW-2	05/14/2013	840 i	<5.0	<5.0	<5.0	<10	---	730	<100	---	---	---	5,800	55,000	420,000	---	372.40	33.61	338.79	0.53	78
MW-2	07/31/2013	1,500	<10	<10	<10	<20	---	1,100	<200	---	---	---	9,500	79,000	300,000	---	372.40	35.00	337.40	1.07	1
MW-2	11/12/2013	1,800	<10	<10	<10	<20	---	1,600	<200	---	---	---	7,300	77,000	340,000	---	372.40	37.25	335.15	1.03	28
MW-2	02/04/2014	1,600	<10	<10	<10	<20	---	2,000	<200	---	---	---	9,200	72,000	170,000	---	372.40	37.25	335.15	1.18	129
MW-2	05/12/2014	2,600 i	<25	<25	<25	<50	---	2,500	<500	---	---	---	230	71,000	340,000	---	372.40	37.00	335.40	1.12	36
MW-2	06/10/2014	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	372.26	---	---	---	---
MW-3	02/03/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	375.05	32.06	342.99	---	---
MW-3	02/07/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	375.05	32.57	342.48	---	---
MW-3	02/10/2000	180	5.12	<0.500	<0.500	0.714	26.8	21.5a	---	---	---	---	---	---	---	---	375.05	32.77	342.28	---	---
MW-3	05/17/2000	1,360	414	<5.00	<5.00	17.6	<25.0	---	---	---	---	---	---	---	---	---	375.05	31.00	344.05	---	---
MW-3	08/03/2000	<50.0	0.536	<0.500	<0.500	<0.500	22	---	---	---	---	---	---	---	---	---	375.05	31.03	344.02	---	---
MW-3	10/31/2000	<50.0	<0.500	<0.500	<0.500	<0.500	31.1	---	---	---	---	---	---	---	---	---	375.05	31.28	343.77	---	---
MW-3	03/01/2001	384	172	0.815	<0.500	8.0	5.16	---	---	---	---	---	---	---	---	---	375.05	31.21	343.84	---	---
MW-3	05/30/2001	<50	<0.50	<0.50	<0.50	<0.50	---	110	---	---	---	---	---	---	---	---	375.05	31.02	344.03	---	---
MW-3	08/02/2001	<50	<0.50	<0.50	<0.50	<0.50	---	93	---	---	---	---	---	---	---	---	375.05	30.94	344.11	---	---
MW-3	12/06/2001	110	<0.50	<0.50	<0.50	2.3	---	180	---	---	---	---	---	---	---	---	375.05	31.28	343.77	---	---
MW-3	02/05/2002	<50	0.89	0.60	<0.50	2.1	---	130	---	---	---	---	---	---	---	---	375.05	31.12	343.93	---	---
MW-3	06/17/2002	<50	<0.50	<0.50	<0.50	<0.50	---	72	---	---	---	---	---	---	---	---	375.05	31.21	343.84	---	---
MW-3	07/25/2002	<50	<0.50	<0.50	<0.50	<0.50	---	81	---	---	---	---	---	---	---	---	375.05	30.96	344.09	---	---

TABLE 1

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

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE		TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Nitrate		Alkalinity as CaCO ₃ (µg/L)	Ferrous Iron (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW		
							8020 (µg/L)	8260 (µg/L)					as N (µg/L)	Sulfate (µg/L)					Elevation (ft MSL)	DO (mg/L)	ORP (mV)
MW-3	11/14/2002	<50	<0.50	<0.50	<0.50	<0.50	---	60	---	---	---	---	---	---	---	---	375.05	31.44	343.61	---	---
MW-3	02/12/2003	<50	<0.50	<0.50	<0.50	<0.50	---	43	---	---	---	---	---	---	---	---	375.05	31.28	343.77	---	---
MW-3	05/14/2003	<50	<0.50	<0.50	<0.50	<1.0	---	24	---	---	---	---	---	---	---	---	375.05	31.20	343.85	---	---
MW-3	07/29/2003	<50	<0.50	<0.50	<0.50	<1.0	---	21	---	---	---	---	---	---	---	---	375.05	31.29	343.76	---	---
MW-3	11/19/2003	<50	<0.50	<0.50	<0.50	<1.0	---	8.2	---	---	---	---	---	---	---	---	375.05	31.86	343.19	---	---
MW-3	02/19/2004	81	0.67	4.4	1.8	8.6	---	13	---	---	---	---	---	---	---	---	375.05	31.66	343.39	---	---
MW-3	05/03/2004	<50	<0.50	<0.50	<0.50	<1.0	---	13	---	---	---	---	---	---	---	---	375.05	31.72	343.33	---	---
MW-3	08/24/2004	<50	<0.50	<0.50	<0.50	<1.0	---	10	---	---	---	---	---	---	---	---	375.05	32.09	342.96	---	---
MW-3	11/15/2004	<50	<0.50	<0.50	<0.50	<1.0	---	6.6	---	---	---	---	---	---	---	---	375.05	31.50	343.55	---	---
MW-3	02/02/2005	<50	<0.50	<0.50	<0.50	<1.0	---	3.1	---	---	---	---	---	---	---	---	375.05	31.28	343.77	---	---
MW-3	05/05/2005	<50	<0.50	<0.50	<0.50	<1.0	---	2.3	---	---	---	---	---	---	---	---	375.05	31.42	343.63	---	---
MW-3	08/05/2005	<50	<0.50	<0.50	<0.50	<1.0	---	2.4	---	---	---	---	---	---	---	---	375.05	31.35	343.70	---	---
MW-3	11/22/2005	<50	<0.500	<0.500	<0.500	<0.500	---	3.84	---	---	---	---	---	---	---	---	375.05	31.98	343.07	---	---
MW-3	02/07/2006	<50.0	<0.500	<0.500	<0.500	<0.500	---	<0.500	---	---	---	---	---	---	---	---	375.05	31.24	343.81	---	---
MW-3	05/16/2006	<50	<0.50	<0.50	<0.50	<1.0	---	4.5	---	---	---	---	---	---	---	---	375.05	31.37	343.68	---	---
MW-3	08/21/2006	<50.0	<0.500	<0.500	<0.500	<0.500	---	4.04	---	---	---	---	---	---	---	---	375.05	31.95	343.10	---	---
MW-3	11/14/2006	<50	<0.50	<0.50	<0.50	<0.50	---	3.8	<20	<0.50	<0.50	<0.50	---	---	---	---	375.05	32.24	342.81	---	---
MW-3	02/01/2007	<50	<0.50	<0.50	<0.50	<1.0	---	2.8	---	---	---	---	---	---	---	---	375.05	32.17	342.88	---	---
MW-3	06/01/2007	<50 d	<0.50	<1.0	<1.0	<1.0	---	3.1	---	---	---	---	---	---	---	---	375.05	31.86	343.19	---	---
MW-3	08/22/2007	<50 d	<0.50	<1.0	<1.0	<1.0	---	4.6	<10	---	---	---	---	---	---	---	375.05	32.18	342.87	---	---
MW-3	11/26/2007	<50 d	<0.50	<1.0	<1.0	<1.0	---	3.5	<10	<2.0	<2.0	<2.0	---	---	---	---	375.05	32.69	342.36	---	---
MW-3	02/19/2008	<50 d	<0.50	1.2	<1.0	<1.0	---	2.6	<10	---	---	---	---	---	---	---	375.05	30.94	344.11	---	---
MW-3	05/23/2008	<50	<0.50	<1.0	<1.0	<1.0	---	3.6	<10	---	---	---	---	---	---	---	375.05	31.45	343.60	---	---
MW-3	08/07/2008	<50	<0.50	<1.0	<1.0	<1.0	---	3.0	<10	---	---	---	---	---	---	---	375.05	31.40	343.65	---	---
MW-3	12/03/2008	<50	<0.50	<1.0	<1.0	<1.0	---	2.1	<10	---	---	---	---	---	---	---	375.05	32.12	342.93	---	---
MW-3	02/05/2009	<50	<0.50	<1.0	<1.0	<1.0	---	1.1	<10	---	---	---	---	---	---	---	375.05	32.74	342.31	---	---
MW-3	05/07/2009	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	---	---	---	---	---	---	---	375.05	31.69	343.36	---	---
MW-3	08/20/2009	<50	<0.50	<1.0	<1.0	<1.0	---	2.0	<10	---	---	---	---	---	---	---	375.05	32.42	342.63	---	---
MW-3	11/09/2009	<50	<0.50	<1.0	<1.0	<1.0	---	1.7	<10	<2.0	<2.0	<2.0	---	---	---	---	375.05	32.54	342.51	---	---
MW-3	02/11/2010	<50	<0.50	<1.0	<1.0	<1.0	---	2.1	<10	---	---	---	---	---	---	---	375.05	31.81	343.24	---	---
MW-3	05/13/2010	<50	<0.50	<1.0	<1.0	<1.0	---	1.7	<10	---	---	---	---	---	---	---	375.05	31.25	343.80	---	---
MW-3	08/05/2010	<50	<0.50	<1.0	<1.0	<1.0	---	1.2	<10	---	---	---	---	---	---	---	375.05	32.00	343.05	---	---
MW-3	10/30/2010	<50	<0.50	<1.0	<1.0	<1.0	---	1.4	<10	<2.0	<2.0	<2.0	---	---	---	---	375.05	32.18	342.87	---	---
MW-3	02/09/2011	<50	<0.50	<0.50	<0.50	<1.0	---	1.7	<10	---	---	---	---	---	---	---	375.05	31.80	343.25	---	---
MW-3	05/31/2011	<50	<0.50	<0.50	<0.50	<1.0	---	1.9	<10	---	---	---	---	---	---	---	375.05	31.60	343.45	---	---
MW-3	07/27/2011	<50	<0.50	<0.50	<0.50	<1.0	---	1.8	<10	---	---	---	---	---	---	---	375.05	32.00	343.05	---	---
MW-3	11/04/2011	<50	<0.50	<0.50	<0.50	<1.0	---	2.1	<10	<1.0	<1.0	<1.0	---	---	---	---	375.05	32.55	342.50	---	---
MW-3	05/23/2012	<50	0.67	<0.50	<0.50	1.9	---	0.91	<10	---	---	---	1,400	36,000	250,000	5,000	375.05	31.52	343.53	1.81	-5
MW-3	09/07/2012	<50	<0.50	<0.50	<0.50	<1.0	---	1.6	<10	---	---	---	<110 a	28,000	270,000	---	375.05	32.66	342.39	1.06	-10
MW-3	11/13/2012	<50	<0.50	<0.50	<0.50	<1.0	---	1.8	<10	<0.50	<0.50	<0.50	<110	7,300	330,000	---	375.05	33.35	341.70	1.44	-26
MW-3	05/14/2013	<50	<0.50	<0.50	<0.50	<1.0	---	1.2	<10	---	---	---	<110	17,000	280,000	---	375.05	32.92	342.13	1.10	78
MW-3	07/31/2013	<50	<0.50	<0.50	<0.50	<1.0	---	2.5	<10	---	---	---	<110	2,400	370,000	---	375.05	33.56	341.49	1.56	-82

TABLE 1

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

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE		TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Nitrate		Alkalinity as CaCO ₃ (µg/L)	Ferrous Iron (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW		
							8020 (µg/L)	8260 (µg/L)					as N (µg/L)	Sulfate (µg/L)					Elevation (ft MSL)	DO (mg/L)	ORP (mV)
MW-3	11/12/2013	<50	<0.50	<0.50	<0.50	<1.0	---	1.2	<10	---	---	---	---	---	---	---	375.05	34.20	340.85	1.26	-8
MW-3	02/04/2014	Insufficient water		---	---	---	---	---	---	---	---	---	---	---	---	---	375.05	34.12	340.93	---	---
MW-3	05/12/2014	<50	<0.50	<0.50	<0.50	<1.0	---	0.94	<10	---	---	---	<110	150,000	250,000	---	375.05	33.30	341.75	1.19	-31
MW-4	09/21/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	372.78	31.58	341.20	---	---
MW-4	09/28/2006	11,000	<250	<250	<250	<250	---	13,000	<10,000	---	---	---	---	---	---	---	372.78	31.57	341.21	---	---
MW-4	11/14/2006	30,000	<250	<250	<250	<250 a	---	14,000	<10,000	<250	<250	<250	---	---	---	---	372.78	32.11	340.67	---	---
MW-4	02/01/2007	6,300	50	<5.0	19	120	---	14,000	---	---	---	---	---	---	---	---	372.78	33.23	339.55	---	---
MW-4	06/01/2007	8,200 d	52	<25	26	150	---	11,000	---	---	---	---	---	---	---	---	372.78	31.57	341.21	---	---
MW-4	08/22/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	372.78	33.40	339.38	---	---
MW-4	11/26/2007	12,000 d	71	<100	<100	<100	---	20,000	<1,000	<200	<200	<200	---	---	---	---	372.78	34.74	338.04	---	---
MW-4	02/19/2008	13,000 d	<100	<200	<200	<200	---	18,000	2,900	---	---	---	---	---	---	---	372.78	29.70	343.08	---	---
MW-4	05/23/2008	21,000	<100	<200	<200	<200	---	16,000	<2,000	---	---	---	---	---	---	---	372.78	31.67	341.11	---	---
MW-4	08/07/2008	27,000	<100	<200	<200	<200	---	21,000	<2,000	---	---	---	---	---	---	---	372.78	31.90	340.88	---	---
MW-4	12/03/2008	20,000	19	<25	<25	29	---	21,000	2,500	---	---	---	---	---	---	---	372.78	34.32	338.46	---	---
MW-4	02/05/2009	15,000	200	<200	<200	<200	---	13,000	<2,000	---	---	---	---	---	---	---	372.78	34.58	338.20	---	---
MW-4	05/07/2009	18,000	<100	<200	<200	<200	---	17,000	<2,000	---	---	---	---	---	---	---	372.78	31.34	341.44	---	---
MW-4	08/20/2009	15,000	<50	<100	<100	<100	---	13,000	1,900	---	---	---	---	---	---	---	372.78	33.56	339.22	---	---
MW-4	11/09/2009	13,000	<50	<100	<100	<100	---	11,000	<1000	<200	<200	<200	---	---	---	---	372.78	33.57	339.21	---	---
MW-4	02/11/2010	11,000	95	<100	<100	110	---	7,500	3,200	---	---	---	---	---	---	---	372.78	31.21	341.57	---	---
MW-4	05/13/2010	8,800	48	<50	57	96	---	7,800	2,900	---	---	---	---	---	---	---	372.78	30.19	342.59	---	---
MW-4	08/05/2010	4,000	<12	<25	<25	<25	---	3,600	600	---	---	---	---	---	---	---	372.78	32.22	340.56	---	---
MW-4	10/30/2010	6,800	<12	<25	<25	<25	---	8,200	1,400	<50	<50	<50	---	---	---	---	372.78	33.95	338.83	---	---
MW-4	02/09/2011	<5,000	<50	<50	<50	<100	---	5,800	2,700	---	---	---	---	---	---	---	372.78	31.56	341.22	---	---
MW-4	05/31/2011	<5,000	<50	<50	<50	<100	---	5,600	1,200	---	---	---	---	---	---	---	372.78	30.78	342.00	---	---
MW-4	07/27/2011	4,500 c	<10	<10	18	21	---	5,200	2,100	---	---	---	---	---	---	---	372.78	31.64	341.14	---	---
MW-4	11/04/2011	3,400 c	<25	<25	<25	<50	---	4,400	1,800	<50	<50	<50	---	---	---	---	372.78	33.53	339.25	---	---
MW-4	05/23/2012	3,500	<10	<10	13	<20	---	4,900	1,400	---	---	---	5,300	69,000	300,000	1,000	372.78	31.12	341.66	1.44	-6
MW-4	08/31/2012	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	372.79	33.77	339.02	---	---
MW-4	09/04/2012	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	372.79	34.18	338.61	---	---
MW-4	09/07/2012	5,900 c	<50	<50	<50	<100	---	5,000	<1,000	---	---	---	4,300 a	71,000	320,000	---	372.79	34.55	338.24	1.21	66
MW-4	11/13/2012	1,200	<10	<10	<10	<20	---	1,400	970	<10	<10	<10	2,100	53,000	300,000	---	372.79	36.25	336.54	1.38	85
MW-4	04/01/2013	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	372.79	28.95	343.83	---	---
MW-4	05/14/2013	910	<0.50	<0.50	1.4	7.5	---	46	290	---	---	---	1,700	130,000	80,000	---	372.79	35.48	337.30	1.34	70
MW-4	07/31/2013	1,200	<0.50	<0.50	2.0	2.8	---	200	630	---	---	---	1,900	81,000	100,000	---	372.79	36.00	336.78	1.43	31
MW-4	11/12/2013	1,200	1.3	<0.50	2.3	2.2	---	96	1,100	---	---	---	470	55,000	170,000	---	372.79	38.15	334.64	1.70	38
MW-4	02/04/2014	1,600	<0.50	<0.50	2.1	<1.0	---	77	990	---	---	---	1,300	48,000	340,000	---	372.79	38.84	333.95	0.74	136
MW-4	05/12/2014	420	<0.50	<0.50	<0.50	<1.0	---	49	170	---	---	---	790	62,000	140,000	---	372.79	37.91	334.88	1.62	44
TB-1	02/12/2003	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TB-1	02/28/2003	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	12.54	---	---	---
TB-1	05/14/2003	<50	<0.50	<0.50	<0.50	<1.0	---	<5.0	---	---	---	---	---	---	---	---	---	12.31	---	---	---

TABLE 1

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

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Nitrate as N (µg/L)	Sulfate (µg/L)	Alkalinity as CaCO ₃ (µg/L)	Ferrous Iron (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO (mg/L)	ORP (mV)
TB-2	02/12/2003	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TB-2	02/28/2003	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	12.56	---	---	---
TB-2	05/14/2003	Insufficient water		---	---	---	---	---	---	---	---	---	---	---	---	---	---	12.54	---	---	---
TB-3	02/12/2003	Well dry		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TB-3	02/28/2003	Well dry		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TB-3	05/14/2003	Well dry		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TB-4	02/12/2003	Well dry		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TB-4	02/28/2003	Well dry		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TB-4	05/14/2003	Well dry		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AS-1	08/31/2012	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	373.39	34.55	338.84	---	---
AS-1	09/04/2012	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	373.39	35.08	338.31	---	---
AS-1	09/07/2012	8,500	<50	<50	<50	<100	---	10,000	---	---	---	---	---	---	---	---	373.39	34.55	338.84	1.17	187
EW-1	08/31/2012	Well dry		---	---	---	---	---	---	---	---	---	---	---	---	---	372.14	---	---	---	---
EW-1	09/07/2012	Well dry		---	---	---	---	---	---	---	---	---	---	---	---	---	372.14	---	---	---	---
EW-1	09/14/2012	<50	<0.50	<0.50	<0.50	<1.0	---	3.9	<10	---	---	---	---	---	---	---	372.14	19.03	353.11	---	---
EW-1	09/14/2012	1,600 h	3.8 h	0.84 h	20 h	76 h	---	36 h	1,200 h	---	---	---	---	---	---	---	372.14	---	---	---	---
EW-2	08/31/2012	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	372.74	33.61	339.13	---	---
EW-2	09/04/2012	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	372.74	34.16	338.58	---	---
EW-2	09/07/2012	3,600	<25	<25	<25	<50	---	4,100	---	---	---	---	---	---	---	---	372.74	35.02	337.72	1.83	166
EW-2	09/14/2012	3,800	<25	<25	<25	<50	---	3,400	670	---	---	---	---	---	---	---	372.74	---	---	---	---
OBS-1	08/31/2012	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	372.28	33.50	338.78	---	---
OBS-1	09/04/2012	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	372.28	35.18	337.10	---	---
P-1	08/31/2012	Well dry		---	---	---	---	---	---	---	---	---	---	---	---	---	372.51	---	---	---	---
P-1	09/07/2012	Well dry		---	---	---	---	---	---	---	---	---	---	---	---	---	372.51	---	---	---	---
P-2	08/31/2012	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	372.39	33.42	338.97	---	---
P-2	09/04/2012	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	372.39	34.00	338.39	---	---
P-2	09/07/2012	7,700	580	<10	30	<20	---	1,800	---	---	---	---	---	---	---	---	372.39	34.61	337.78	1.62	193
SVE-5	08/31/2012	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	372.93	33.83	339.10	---	---
SVE-5	09/04/2012	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	372.93	35.30	337.63	---	---
SVE-5	09/07/2012	4,200	<25	<25	<25	<50	---	4,900	---	---	---	---	---	---	---	---	372.93	36.20	336.73	1.49	180

Notes:

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

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE	MTBE	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Nitrate	Sulfate	Alkalinity	Ferrous	Depth to Water (ft MSL)	GW Elevation (ft MSL)	DO (mg/L)	ORP (mV)
							8020 (µg/L)	8260 (µg/L)					as N (µg/L)	as CaCO ₃ (µg/L)	Iron (µg/L)	TOC (ft MSL)				

TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B; prior to 5/30/2001, analyzed by EPA Method 8015 unless otherwise noted.

BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B; prior to 5/30/2001, analyzed by EPA Method 8020.

MTBE = Methyl tertiary-butyl ether analyzed as noted

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

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

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

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

Nitrate as N and sulfate analyzed by EPA Method 300.0

Alkalinity as CaCO₃ analyzed by SM 2320 B

Ferrous iron analyzed by SM 3500 Fe B

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

GW = Groundwater

DO = Dissolved oxygen

ORP = Oxidation reduction potential

µg/L = Micrograms per liter

ft = Feet

MSL = Mean sea level

mg/L = Milligrams per liter

mV = Millivolts

<x = Not detected at reporting limit x

--- = Not analyzed or available

a = Sample was analyzed outside the EPA recommended holding time.

b = Concentration is an estimate value above the linear quantitation range.

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

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

e = 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.

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

g = Result exceeded calibration range

h = Post pilot test samples

i = Concentration reported is due to the presence of discrete peak of MTBE.

Well MW-1 surveyed on May 4, 1999 by Virgil Chavez Land Surveying

Site wells surveyed on March 19, 2000 by Virgil Chavez Land Surveying

Site wells surveyed on January 15, 2002 by Virgil Chavez Land Surveying

Site wells surveyed on September 5, 2012 by Virgil Chavez Land Surveying

September 21, 2006 survey data for wells MW-1B and MW-4 provided by Delta Environmental Consultants, Inc.

APPENDIX A

BLAINE TECH SERVICES, INC. -
FIELD NOTES

WELL GAUGING DATA

Project # 14052-104 Date 5-12-14 Client Snell

Site 4212 1st St. 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
MW-1	1206	2					39.26	57.17	↓	
MW-1B	1204	4				102.50	108.00			
MW-2	1209	4				37.00	45.77			
MW-3	1202	4				33.30	34.60			
MW-4	1210	4				37.91	46.75			

SHELL WELL MONITORING DATA SHEET

BTS #: 140512-504	Site: 99995840
Sampler: J0	Date: 5-12-14
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8
Total Well Depth (TD): 57.17	Depth to Water (DTW): 39.26
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]: 42.84	

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

$11.6 \text{ (Gals.)} \times 3 = 34.8 \text{ Gals.}$ <p>1 Case Volume Specified Volumes Calculated Volume</p>	<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 μS)	Turbidity (NTUs)	Gals. Removed	Observations
1258	71.6	6.42	1621	72	11.6	
		Well dewatered		13.0		
1310	72.7	6.50	1611	38	—	
						TC = 0.0

Did well dewater? (Yes) No Gallons actually evacuated: 13.0

Sampling Date: 5-12-14 Sampling Time: 1310 Depth to Water: 50.96 (2nd)

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

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

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

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	1.44 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	72 mV

SHELL WELL MONITORING DATA SHEET

BTS #: 140512-304	Site: 98995840
Sampler: JO	Date: 5-12-14
Well I.D.: MW-1B	Well Diameter: 2 3 (4) 6 8
Total Well Depth (TD): 100.00	Depth to Water (DTW): 102.50
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]: 430.0 103.60	

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: _____

$3.5 \text{ (Gals.)} \times 3 = 10.5 \text{ Gals.}$ <p>I Case Volume Specified Volumes Calculated Volume</p>	<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 μS)	Turbidity (NTUs)	Gals. Removed	Observations
1228	71.2	7.01	1229	7000	3.5	
		Well dewatered @ 6 gallons				
1440	71.8	7.00	1221	139	—	
						Re st = 0.0

Did well dewater? Yes No Gallons actually evacuated: 6.0

Sampling Date: 5-12-14 Sampling Time: 1440 Depth to Water: 103.22

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

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

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:	1.77	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	83	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 140512-504	Site: 98995840
Sampler: JO	Date: 5-12-14
Well I.D.: MW-2	Well Diameter: 2 3 ④ 6 8
Total Well Depth (TD): 45.77	Depth to Water (DTW): 37.00
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 38.75	

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

$5.7 \text{ (Gals.)} \times 3 = \text{_____ Gals.}$ <p>1 Case Volume Specified Volumes Calculated Volume</p>	<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 μS)	Turbidity (NTUs)	Gals. Removed	Observations
1248	72.1	6.78	922	26	5.7	
		Well dewatered @		6.5		
1300	73.2	6.80	931	24	—	
						R ₂ = 0.4 mg/L

Did well dewater? Yes No Gallons actually evacuated: 6.5

Sampling Date: 5-12-14 Sampling Time: 1300 Depth to Water: 40.26 (2nd)

Sample I.D.: MW-2 Laboratory: Test America Other _____

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

EB I.D. (if applicable): @ _____ 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:	1.12 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	36 mV

SHELL WELL MONITORING DATA SHEET

BTS #: 140512-801	Site: 98995846
Sampler: SD	Date: 5-12-14
Well I.D.: MW-3	Well Diameter: 2 3 ④ 6 8
Total Well Depth (TD): 34.60	Depth to Water (DTW): 33.30
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 33.55	

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: _____

$0.8 \text{ (Gals.)} \times 3 = 2.4 \text{ Gals.}$ I Case Volume Specified Volumes Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <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 μS)	Turbidity (NTUs)	Gals. Removed	Observations
1218	70.9	6.81	942	200	0.8	
1430	72.1	6.84	950	100	—	Well dewatered @ 0.9 gals Fe ²⁺ 1.6 mg/L

Did well dewater? Yes No Gallons actually evacuated: 0.9

Sampling Date: 5-12-14 Sampling Time: 1430 Depth to Water: 33.80 (2hr)

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

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: Soe 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: 1.19 mg/L
O.R.P. (if req'd): Pre-purge: _____ mV	Post-purge: -31 mV

SHELL WELL MONITORING DATA SHEET

BTS #: 140512-001	Site: 98995840
Sampler: JD	Date: 5-12-14
Well I.D.: MW-4	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 46.75	Depth to Water (DTW): 37.91
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: <u>PVG</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 39.67	

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;"> <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
12:30	73.0	6.80	912	>1000	5.7	
					6.0	Well dewatered @
1:50	73.0	6.81	920	221	→	
						Fe ²⁺ = 0.0

Did well dewater? Yes No Gallons actually evacuated: 6.0

Sampling Date: 5-12-14 Sampling Time: 1:50 Depth to Water: 38.26

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

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

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
				1.62
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV
				44

INCIDENT # 98995846

ADDRESS 4212 1st St.

DATE: 5-12-14

CITY & STATE Pleasanton CA.

Well ID	Observations Upon Arrival														Note Repairs Made Detailed Explanation of Maintenance Recommended and Performed	Photos of Well Condition	Repair Date and PM Initials					
	Manway Cover, Type, Condition & Size					Well Labeled / Painted Property*		Well Cap (Gripper) Condition		Well Lock Condition			Well Pad / Surface Condition									
MW-1	Standpipe	Flush	G	P	Size (Inch) 12	Y	N	G	R	G	R	NL	G	P		Y	N					
MW-1B	Standpipe	Flush	G	P	Size (Inch) 12	Y	N	G	R	G	R	NL	G	P		Y	N					
MW-2	Standpipe	Flush	G	P	Size (Inch) 12	Y	N	G	R	G	R	NL	G	P	Cap crushed by I.D. Casing needs to be lowered.	Y	N					
MW-3	Standpipe	Flush	G	P	Size (Inch) 12	Y	N	G	R	G	R	NL	G	P		Y	N					
MW-4	Standpipe	Flush	G	P	Size (Inch) 12	Y	N	G	R	G	R	NL	G	P		Y	N					
	Standpipe	Flush	G	P	Size (Inch)	Y	N	G	R	G	R	NL	G	P		Y	N					
	Standpipe	Flush	G	P	Size (Inch)	Y	N	G	R	G	R	NL	G	P		Y	N					
	Standpipe	Flush	G	P	Size (Inch)	Y	N	G	R	G	R	NL	G	P		Y	N					
	Standpipe	Flush	G	P	Size (Inch)	Y	N	G	R	G	R	NL	G	P		Y	N					
	Standpipe	Flush	G	P	Size (Inch)	Y	N	G	R	G	R	NL	G	P		Y	N					
	Standpipe	Flush	G	P	Size (Inch)	Y	N	G	R	G	R	NL	G	P		Y	N					
TOTAL # CAPS REPLACED =						0	TOTAL # OF LOCKS REPLACED						0									
Condition of Soil Boring Patches or Abandoned Monitoring Wells:		G	P	N/A	If POOR, Borings/Well IDs or Location Description:													Y	N			
Remediation Compound Type (Check boxes that apply)		Condition of Enclosure			Condition of Area Inside Enclosure			Compound Security			Emergency Contact Info Visible			Cleaning / Repairs Recommended and Conducted				Photos of Condition		Repair Date and PM Initials		
NA																						
Building																						
Building w/ Fence Comp.		G	P	N/A	G	P	N/A	G	P	N/A	Y	N	N/A					Y	N			
Fenced Compound																						
Trailer																						
Number of Drums On-site		Does the Label Reveal the Source of the Contents			Labeled Correctly and Writing Legible			Drum Condition			Confirm Drums Related to Environmental		Drums Located to Min Business Interference			Detailed Explanation of Any Issues Resolved				Photos of Drum Condition		Date Drums Removed from Site and PM Initials
		Y	N	N/A	Y	N	N/A	G	P	N/A	Y	N	Y	N	N/A					Y	N	

G = Good (Acceptable) R = Replaced
P = Poor (needs attention) NL = No Lock Required

Note: All repairs other than locks and grippers require Shell PM approval prior to repair.

* = Groundwater monitoring well covers must be painted and labeled in accordance with applicable regulations.
Version 2.4, March 2008

All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above).

J. Ortiz Blain Tech
Print or type Name of Field Personnel & Consultant Company

SHELL WELLHEAD REPAIR FORM

(FOR REPAIR TECHNICIAN)

Site Address 4212 First Street, Pleasanton Date 6/10/14
 Job Number 140610-203 Technician JD Page 1 of 1

Inspection Point (Well ID or description of location)	Well Inspected, Cleaned, Labeled - No Further Corrective Action Required	Replaced Cap	Replaced Lock	Replaced Lid Seal	Check Indicates deficiency										All Repairs Completed	Remaining Deficiencies Logged onto Repair Order	Remaining Deficiencies Logged onto Notice of Deficient Condition - BLAINE Unable to Repair			
					Casing	Annular Seal	Tabs / Bolts	Box Structure	Apron	Trip Hazard	Below Grade	Not Securable by Design (12" diameter or less)	Lid not marked with words "MONITORING WELL"	Other Deficiency				Not Securable by Design (greater than 12" diameter)	Well Not Inspected (explain in notes)	
MW-2																				
Notes: <u>S.T. (71-59) / 120 = 0.14'</u>																				
Well box type / size:										Materials used:										
MW-2 (cont'd)		<input checked="" type="checkbox"/>																		<input checked="" type="checkbox"/>
Notes: <u>Lowered casing 0.14' new cap Lock</u>																				
Well box type / size: <u>12" PMCO</u>										Materials used:										
Notes:																				
Well box type / size:										Materials used:										
Notes:																				
Well box type / size:										Materials used:										
Notes:																				
Well box type / size:										Materials used:										

APPENDIX B

TESTAMERICA LABORATORIES, INC. -
ANALYTICAL REPORT

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

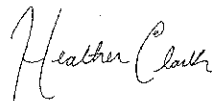
ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

TestAmerica Job ID: 440-78207-1
Client Project/Site: 4212 First St., Pleasanton, CA

For:
Conestoga-Rovers & Associates, Inc.
5900 Hollis Street
Suite A
Emeryville, California 94608

Attn: Peter Schaefer



Authorized for release by:
5/27/2014 4:01:48 PM

Heather Clark, Project Manager I
(949)261-1022
heather.clark@testamericainc.com

LINKS

Review your project
results through

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Have a Question?

Ask
The
Expert

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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Method Summary	9
Lab Chronicle	10
QC Sample Results	12
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Certification Summary	20
Chain of Custody	21
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Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 4212 First St., Pleasanton, CA

TestAmerica Job ID: 440-78207-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-78207-1	MW-1	Ground Water	05/12/14 13:10	05/13/14 10:40
440-78207-2	MW-1B	Ground Water	05/12/14 14:40	05/13/14 10:40
440-78207-3	MW-2	Ground Water	05/12/14 15:00	05/13/14 10:40
440-78207-4	MW-3	Ground Water	05/12/14 14:30	05/13/14 10:40
440-78207-5	MW-4	Ground Water	05/12/14 14:50	05/13/14 10:40

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 4212 First St., Pleasanton, CA

TestAmerica Job ID: 440-78207-1

Job ID: 440-78207-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-78207-1

Comments

No additional comments.

Receipt

The samples were received on 5/13/2014 10:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.4° C.

GC/MS VOA

Method(s) 8260B/CA_LUFTMS: The Gasoline Range Organics (GRO) concentration reported for the following sample(s) is due to the presence of discrete peaks: MW-2 (440-78207-3). Methyl tert-butyl ether.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

HPLC

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 4212 First St., Pleasanton, CA

TestAmerica Job ID: 440-78207-1

Client Sample ID: MW-1

Lab Sample ID: 440-78207-1

Date Collected: 05/12/14 13:10

Matrix: Ground Water

Date Received: 05/13/14 10:40

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	2000		1000		ug/L			05/15/14 13:55	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	104		76 - 132					05/15/14 13:55	20
4-Bromofluorobenzene (Surr)	101		80 - 120					05/15/14 13:55	20
Toluene-d8 (Surr)	104		80 - 128					05/15/14 13:55	20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	59		10		ug/L			05/15/14 13:55	20
Ethylbenzene	ND		10		ug/L			05/15/14 13:55	20
m,p-Xylene	ND		20		ug/L			05/15/14 13:55	20
Methyl-t-Butyl Ether (MTBE)	1500		10		ug/L			05/15/14 13:55	20
o-Xylene	ND		10		ug/L			05/15/14 13:55	20
tert-Butyl alcohol (TBA)	670		200		ug/L			05/15/14 13:55	20
Toluene	ND		10		ug/L			05/15/14 13:55	20
Xylenes, Total	ND		20		ug/L			05/15/14 13:55	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		80 - 120					05/15/14 13:55	20
Dibromofluoromethane (Surr)	104		76 - 132					05/15/14 13:55	20
Toluene-d8 (Surr)	104		80 - 128					05/15/14 13:55	20

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.28		0.11		mg/L			05/13/14 18:51	1
Sulfate	21		0.50		mg/L			05/13/14 18:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3	650000		4000		ug/L			05/14/14 14:20	1

Client Sample ID: MW-1B

Lab Sample ID: 440-78207-2

Date Collected: 05/12/14 14:40

Matrix: Ground Water

Date Received: 05/13/14 10:40

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			05/15/14 15:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	117		76 - 132					05/15/14 15:21	1
4-Bromofluorobenzene (Surr)	104		80 - 120					05/15/14 15:21	1
Toluene-d8 (Surr)	105		80 - 128					05/15/14 15:21	1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			05/15/14 15:21	1
Ethylbenzene	ND		0.50		ug/L			05/15/14 15:21	1
m,p-Xylene	ND		1.0		ug/L			05/15/14 15:21	1

TestAmerica Irvine

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 4212 First St., Pleasanton, CA

TestAmerica Job ID: 440-78207-1

Client Sample ID: MW-1B

Lab Sample ID: 440-78207-2

Date Collected: 05/12/14 14:40

Matrix: Ground Water

Date Received: 05/13/14 10:40

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			05/15/14 15:21	1
o-Xylene	ND		0.50		ug/L			05/15/14 15:21	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			05/15/14 15:21	1
Toluene	ND		0.50		ug/L			05/15/14 15:21	1
Xylenes, Total	ND		1.0		ug/L			05/15/14 15:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		80 - 120		05/15/14 15:21	1
Dibromofluoromethane (Surr)	117		76 - 132		05/15/14 15:21	1
Toluene-d8 (Surr)	105		80 - 128		05/15/14 15:21	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	22		2.2		mg/L			05/13/14 19:42	20
Sulfate	54		10		mg/L			05/13/14 19:42	20

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3	290000		4000		ug/L			05/14/14 14:26	1

Client Sample ID: MW-2

Lab Sample ID: 440-78207-3

Date Collected: 05/12/14 15:00

Matrix: Ground Water

Date Received: 05/13/14 10:40

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	2600		2500		ug/L			05/15/14 15:50	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	120		76 - 132		05/15/14 15:50	50
4-Bromofluorobenzene (Surr)	98		80 - 120		05/15/14 15:50	50
Toluene-d8 (Surr)	106		80 - 128		05/15/14 15:50	50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		25		ug/L			05/15/14 15:50	50
Ethylbenzene	ND		25		ug/L			05/15/14 15:50	50
m,p-Xylene	ND		50		ug/L			05/15/14 15:50	50
Methyl-t-Butyl Ether (MTBE)	2500		25		ug/L			05/15/14 15:50	50
o-Xylene	ND		25		ug/L			05/15/14 15:50	50
tert-Butyl alcohol (TBA)	ND		500		ug/L			05/15/14 15:50	50
Toluene	ND		25		ug/L			05/15/14 15:50	50
Xylenes, Total	ND		50		ug/L			05/15/14 15:50	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		80 - 120		05/15/14 15:50	50
Dibromofluoromethane (Surr)	120		76 - 132		05/15/14 15:50	50
Toluene-d8 (Surr)	106		80 - 128		05/15/14 15:50	50

TestAmerica Irvine

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 4212 First St., Pleasanton, CA

TestAmerica Job ID: 440-78207-1

Client Sample ID: MW-2

Lab Sample ID: 440-78207-3

Date Collected: 05/12/14 15:00

Matrix: Ground Water

Date Received: 05/13/14 10:40

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.23		0.11		mg/L			05/13/14 19:55	1
Sulfate	71		10		mg/L			05/13/14 20:08	20

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3	340000		4000		ug/L			05/14/14 14:33	1

Client Sample ID: MW-3

Lab Sample ID: 440-78207-4

Date Collected: 05/12/14 14:30

Matrix: Ground Water

Date Received: 05/13/14 10:40

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			05/15/14 16:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	119		76 - 132		05/15/14 16:19	1
4-Bromofluorobenzene (Surr)	100		80 - 120		05/15/14 16:19	1
Toluene-d8 (Surr)	106		80 - 128		05/15/14 16:19	1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			05/15/14 16:19	1
Ethylbenzene	ND		0.50		ug/L			05/15/14 16:19	1
m,p-Xylene	ND		1.0		ug/L			05/15/14 16:19	1
Methyl-t-Butyl Ether (MTBE)	0.94		0.50		ug/L			05/15/14 16:19	1
o-Xylene	ND		0.50		ug/L			05/15/14 16:19	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			05/15/14 16:19	1
Toluene	ND		0.50		ug/L			05/15/14 16:19	1
Xylenes, Total	ND		1.0		ug/L			05/15/14 16:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		80 - 120		05/15/14 16:19	1
Dibromofluoromethane (Surr)	119		76 - 132		05/15/14 16:19	1
Toluene-d8 (Surr)	106		80 - 128		05/15/14 16:19	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.11		mg/L			05/13/14 20:21	1
Sulfate	150		10		mg/L			05/13/14 20:34	20

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3	250000		4000		ug/L			05/14/14 14:40	1

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 4212 First St., Pleasanton, CA

TestAmerica Job ID: 440-78207-1

Client Sample ID: MW-4

Lab Sample ID: 440-78207-5

Date Collected: 05/12/14 14:50

Matrix: Ground Water

Date Received: 05/13/14 10:40

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	420		50		ug/L			05/15/14 16:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	120		76 - 132					05/15/14 16:48	1
4-Bromofluorobenzene (Surr)	100		80 - 120					05/15/14 16:48	1
Toluene-d8 (Surr)	110		80 - 128					05/15/14 16:48	1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			05/15/14 16:48	1
Ethylbenzene	ND		0.50		ug/L			05/15/14 16:48	1
m,p-Xylene	ND		1.0		ug/L			05/15/14 16:48	1
Methyl-t-Butyl Ether (MTBE)	49		0.50		ug/L			05/15/14 16:48	1
o-Xylene	ND		0.50		ug/L			05/15/14 16:48	1
tert-Butyl alcohol (TBA)	170		10		ug/L			05/15/14 16:48	1
Toluene	ND		0.50		ug/L			05/15/14 16:48	1
Xylenes, Total	ND		1.0		ug/L			05/15/14 16:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		80 - 120					05/15/14 16:48	1
Dibromofluoromethane (Surr)	120		76 - 132					05/15/14 16:48	1
Toluene-d8 (Surr)	110		80 - 128					05/15/14 16:48	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.79		0.11		mg/L			05/13/14 21:31	1
Sulfate	62		5.0		mg/L			05/13/14 20:47	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3	140000		4000		ug/L			05/14/14 14:47	1

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 4212 First St., Pleasanton, CA

TestAmerica Job ID: 440-78207-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL IRV
8260B/CA_LUFTM	Volatile Organic Compounds by GC/MS	SW846	TAL IRV
S			
300.0	Anions, Ion Chromatography	MCAWW	TAL IRV
SM 2320B	Alkalinity	SM	TAL IRV

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 4212 First St., Pleasanton, CA

TestAmerica Job ID: 440-78207-1

Client Sample ID: MW-1

Lab Sample ID: 440-78207-1

Date Collected: 05/12/14 13:10

Matrix: Ground Water

Date Received: 05/13/14 10:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	10 mL	10 mL	182498	05/15/14 13:55	YK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		20	10 mL	10 mL	182499	05/15/14 13:55	YK	TAL IRV
Total/NA	Analysis	300.0		1	5 mL		181803	05/13/14 18:51	NN	TAL IRV
Total/NA	Analysis	300.0		1	5 mL		181804	05/13/14 18:51	NN	TAL IRV
Total/NA	Analysis	SM 2320B		1			182472	05/14/14 14:20	YZ	TAL IRV

Client Sample ID: MW-1B

Lab Sample ID: 440-78207-2

Date Collected: 05/12/14 14:40

Matrix: Ground Water

Date Received: 05/13/14 10:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	182498	05/15/14 15:21	YK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	182499	05/15/14 15:21	YK	TAL IRV
Total/NA	Analysis	300.0		20	5 mL		181803	05/13/14 19:42	NN	TAL IRV
Total/NA	Analysis	300.0		20	5 mL		181804	05/13/14 19:42	NN	TAL IRV
Total/NA	Analysis	SM 2320B		1			182472	05/14/14 14:26	YZ	TAL IRV

Client Sample ID: MW-2

Lab Sample ID: 440-78207-3

Date Collected: 05/12/14 15:00

Matrix: Ground Water

Date Received: 05/13/14 10:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	10 mL	10 mL	182498	05/15/14 15:50	YK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		50	10 mL	10 mL	182499	05/15/14 15:50	YK	TAL IRV
Total/NA	Analysis	300.0		1	5 mL		181803	05/13/14 19:55	NN	TAL IRV
Total/NA	Analysis	300.0		20	5 mL		181804	05/13/14 20:08	NN	TAL IRV
Total/NA	Analysis	SM 2320B		1			182472	05/14/14 14:33	YZ	TAL IRV

Client Sample ID: MW-3

Lab Sample ID: 440-78207-4

Date Collected: 05/12/14 14:30

Matrix: Ground Water

Date Received: 05/13/14 10:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	182498	05/15/14 18:19	YK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	182499	05/15/14 18:19	YK	TAL IRV
Total/NA	Analysis	300.0		1	5 mL		181803	05/13/14 20:21	NN	TAL IRV
Total/NA	Analysis	300.0		20	5 mL		181804	05/13/14 20:34	NN	TAL IRV
Total/NA	Analysis	SM 2320B		1			182472	05/14/14 14:40	YZ	TAL IRV

TestAmerica Irvine

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 4212 First St., Pleasanton, CA

TestAmerica Job ID: 440-78207-1

Client Sample ID: MW-4

Lab Sample ID: 440-78207-5

Date Collected: 05/12/14 14:50

Matrix: Ground Water

Date Received: 05/13/14 10:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	182498	05/15/14 16:48	YK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	182499	05/15/14 16:48	YK	TAL IRV
Total/NA	Analysis	300.0		10	5 mL		181804	05/13/14 20:47	NN	TAL IRV
Total/NA	Analysis	300.0		1	5 mL		181803	05/13/14 21:31	NN	TAL IRV
Total/NA	Analysis	SM 2320B		1			182472	05/14/14 14:47	YZ	TAL IRV

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 4212 First St., Pleasanton, CA

TestAmerica Job ID: 440-78207-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 440-182498/8

Matrix: Water

Analysis Batch: 182498

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	ND		0.50		ug/L			05/15/14 10:03	1
Ethylbenzene	ND		0.50		ug/L			05/15/14 10:03	1
m,p-Xylene	ND		1.0		ug/L			05/15/14 10:03	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			05/15/14 10:03	1
o-Xylene	ND		0.50		ug/L			05/15/14 10:03	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			05/15/14 10:03	1
Toluene	ND		0.50		ug/L			05/15/14 10:03	1
Xylenes, Total	ND		1.0		ug/L			05/15/14 10:03	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	101		80 - 120		05/15/14 10:03	1
Dibromofluoromethane (Surr)	99		76 - 132		05/15/14 10:03	1
Toluene-d8 (Surr)	103		80 - 128		05/15/14 10:03	1

Lab Sample ID: LCS 440-182498/9

Matrix: Water

Analysis Batch: 182498

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Benzene	25.0	23.9		ug/L		96	68 - 130
Ethylbenzene	25.0	23.6		ug/L		94	70 - 130
m,p-Xylene	50.0	47.0		ug/L		94	70 - 130
Methyl-t-Butyl Ether (MTBE)	25.0	26.3		ug/L		105	63 - 131
o-Xylene	25.0	24.2		ug/L		97	70 - 130
tert-Butyl alcohol (TBA)	125	122		ug/L		98	70 - 130
Toluene	25.0	24.4		ug/L		98	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	106		76 - 132
Toluene-d8 (Surr)	103		80 - 128

Lab Sample ID: 440-78207-1 MS

Matrix: Ground Water

Analysis Batch: 182498

Client Sample ID: MW-1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec. Limits
				Result	Qualifier				
Benzene	59		500	562		ug/L		100	66 - 130
Ethylbenzene	ND		500	496		ug/L		99	70 - 130
m,p-Xylene	ND		1000	1000		ug/L		100	70 - 133
Methyl-t-Butyl Ether (MTBE)	1500		500	1990		ug/L		103	70 - 130
o-Xylene	ND		500	521		ug/L		104	70 - 133
tert-Butyl alcohol (TBA)	670		2500	3110		ug/L		98	70 - 130
Toluene	ND		500	514		ug/L		103	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	104		80 - 120

TestAmerica Irvine

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 4212 First St., Pleasanton, CA

TestAmerica Job ID: 440-78207-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-78207-1 MS
 Matrix: Ground Water
 Analysis Batch: 182498

Client Sample ID: MW-1
 Prep Type: Total/NA

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	109		76 - 132
Toluene-d8 (Surr)	104		80 - 128

Lab Sample ID: 440-78207-1 MSD
 Matrix: Ground Water
 Analysis Batch: 182498

Client Sample ID: MW-1
 Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Benzene	59		500	552		ug/L		98	66 - 130	2	20
Ethylbenzene	ND		500	478		ug/L		96	70 - 130	4	20
m,p-Xylene	ND		1000	946		ug/L		95	70 - 133	6	25
Methyl-t-Butyl Ether (MTBE)	1500		500	2020		ug/L		108	70 - 130	1	25
o-Xylene	ND		500	502		ug/L		100	70 - 133	4	20
tert-Butyl alcohol (TBA)	670		2500	3020		ug/L		94	70 - 130	3	25
Toluene	ND		500	500		ug/L		100	70 - 130	3	20

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	105		80 - 120
Dibromofluoromethane (Surr)	112		76 - 132
Toluene-d8 (Surr)	105		80 - 128

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 440-182499/8
 Matrix: Water
 Analysis Batch: 182499

Client Sample ID: Method Blank
 Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			05/15/14 10:03	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Dibromofluoromethane (Surr)	99		76 - 132		05/15/14 10:03	1
4-Bromofluorobenzene (Surr)	101		80 - 120		05/15/14 10:03	1
Toluene-d8 (Surr)	103		80 - 128		05/15/14 10:03	1

Lab Sample ID: LCS 440-182499/10
 Matrix: Water
 Analysis Batch: 182499

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
Volatile Fuel Hydrocarbons (C4-C12)	500	483		ug/L		97	55 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	104		76 - 132
4-Bromofluorobenzene (Surr)	100		80 - 120
Toluene-d8 (Surr)	106		80 - 128

TestAmerica Irvine

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 4212 First St., Pleasanton, CA

TestAmerica Job ID: 440-78207-1

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 440-78207-1 MS

Client Sample ID: MW-1

Matrix: Ground Water

Prep Type: Total/NA

Analysis Batch: 182499

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				
Volatile Fuel Hydrocarbons (C4-C12)	2000		34500	32900		ug/L		90	50 - 145
Surrogate	%Recovery	Qualifier	Limits						
Dibromofluoromethane (Surr)	109		76 - 132						
4-Bromofluorobenzene (Surr)	104		80 - 120						
Toluene-d8 (Surr)	104		80 - 128						

Lab Sample ID: 440-78207-1 MSD

Client Sample ID: MW-1

Matrix: Ground Water

Prep Type: Total/NA

Analysis Batch: 182499

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD
	Result	Qualifier	Added	Result	Qualifier					
Volatile Fuel Hydrocarbons (C4-C12)	2000		34500	32100		ug/L		87	50 - 145	3 20
Surrogate	%Recovery	Qualifier	Limits							
Dibromofluoromethane (Surr)	112		76 - 132							
4-Bromofluorobenzene (Surr)	105		80 - 120							
Toluene-d8 (Surr)	105		80 - 128							

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 440-181803/4

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 181803

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Nitrate as N	ND		0.11		mg/L			05/13/14 11:02	1

Lab Sample ID: LCS 440-181803/2

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 181803

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				
Nitrate as N	1.13	1.18		mg/L		105	90 - 110

Lab Sample ID: 440-78201-A-1 MS

Client Sample ID: Matrix Spike

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 181803

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				
Nitrate as N	8.5		11.3	19.9		mg/L		101	80 - 120

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 4212 First St., Pleasanton, CA

TestAmerica Job ID: 440-78207-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 440-78201-A-1 MSD

Matrix: Water

Analysis Batch: 181803

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Nitrate as N	8.5		11.3	19.7		mg/L		100	80 - 120	1	20

Lab Sample ID: 440-78207-1 MS

Matrix: Ground Water

Analysis Batch: 181803

Client Sample ID: MW-1

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Nitrate as N	ND		11.3	11.5		mg/L		102	80 - 120		

Lab Sample ID: 440-78207-1 MSD

Matrix: Ground Water

Analysis Batch: 181803

Client Sample ID: MW-1

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Nitrate as N	ND		11.3	11.8		mg/L		104	80 - 120	2	20

Lab Sample ID: MB 440-181804/4

Matrix: Water

Analysis Batch: 181804

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Sulfate	ND		0.50		mg/L			05/13/14 11:02	1

Lab Sample ID: LCS 440-181804/2

Matrix: Water

Analysis Batch: 181804

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.
							Result
Sulfate	5.00	4.97		mg/L		99	90 - 110

Method: 300.0 - Anions, Ion Chromatography - DL

Lab Sample ID: 440-78207-1 MS

Matrix: Ground Water

Analysis Batch: 181804

Client Sample ID: MW-1

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Sulfate - DL	37		50.0	77.1		mg/L		80	80 - 120		

Lab Sample ID: 440-78207-1 MSD

Matrix: Ground Water

Analysis Batch: 181804

Client Sample ID: MW-1

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Sulfate - DL	37		50.0	76.6		mg/L		80	80 - 120	1	20

TestAmerica Irvine

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 4212 First St., Pleasanton, CA

TestAmerica Job ID: 440-78207-1

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 440-182472/3						Client Sample ID: Method Blank			
Matrix: Water						Prep Type: Total/NA			
Analysis Batch: 182472									
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3	ND		4000		ug/L			05/14/14 13:05	1

Lab Sample ID: LCS 440-182472/2						Client Sample ID: Lab Control Sample			
Matrix: Water						Prep Type: Total/NA			
Analysis Batch: 182472									
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity as CaCO3	88300	87700		ug/L		102	90 - 110		

Lab Sample ID: 440-77709-H-6 DU						Client Sample ID: Duplicate			
Matrix: Water						Prep Type: Total/NA			
Analysis Batch: 182472									
Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit	
Alkalinity as CaCO3	350000		347000		ug/L		0.2	20	

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 4212 First St., Pleasanton, CA

TestAmerica Job ID: 440-78207-1

GC/MS VOA

Analysis Batch: 182498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-78207-1	MW-1	Total/NA	Ground Water	8260B	
440-78207-1 MS	MW-1	Total/NA	Ground Water	8260B	
440-78207-1 MSD	MW-1	Total/NA	Ground Water	8260B	
440-78207-2	MW-1B	Total/NA	Ground Water	8260B	
440-78207-3	MW-2	Total/NA	Ground Water	8260B	
440-78207-4	MW-3	Total/NA	Ground Water	8260B	
440-78207-5	MW-4	Total/NA	Ground Water	8260B	
LCS 440-182498/9	Lab Control Sample	Total/NA	Water	8260B	
MB 440-182498/8	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 182499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-78207-1	MW-1	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-78207-1 MS	MW-1	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-78207-1 MSD	MW-1	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-78207-2	MW-1B	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-78207-3	MW-2	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-78207-4	MW-3	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-78207-5	MW-4	Total/NA	Ground Water	8260B/CA_LUFT MS	
LCS 440-182499/10	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
MB 440-182499/8	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

HPLC/IC

Analysis Batch: 181803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-78201-A-1 MS	Matrix Spike	Total/NA	Water	300.0	
440-78201-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	
440-78207-1	MW-1	Total/NA	Ground Water	300.0	
440-78207-1 MS	MW-1	Total/NA	Ground Water	300.0	
440-78207-1 MSD	MW-1	Total/NA	Ground Water	300.0	
440-78207-2	MW-1B	Total/NA	Ground Water	300.0	
440-78207-3	MW-2	Total/NA	Ground Water	300.0	
440-78207-4	MW-3	Total/NA	Ground Water	300.0	
440-78207-5	MW-4	Total/NA	Ground Water	300.0	
LCS 440-181803/2	Lab Control Sample	Total/NA	Water	300.0	
MB 440-181803/4	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 181804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-78207-1	MW-1	Total/NA	Ground Water	300.0	
440-78207-1 MS - DL	MW-1	Total/NA	Ground Water	300.0	
440-78207-1 MSD - DL	MW-1	Total/NA	Ground Water	300.0	
440-78207-2	MW-1B	Total/NA	Ground Water	300.0	

TestAmerica Irvine

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 4212 First St., Pleasanton, CA

TestAmerica Job ID: 440-78207-1

HPLC/IC (Continued)

Analysis Batch: 181804 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-78207-3	MW-2	Total/NA	Ground Water	300.0	
440-78207-4	MW-3	Total/NA	Ground Water	300.0	
440-78207-5	MW-4	Total/NA	Ground Water	300.0	
LCS 440-181804/2	Lab Control Sample	Total/NA	Water	300.0	
MB 440-181804/4	Method Blank	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 182472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-77709-H-6 DU	Duplicate	Total/NA	Water	SM 2320B	
440-78207-1	MW-1	Total/NA	Ground Water	SM 2320B	
440-78207-2	MW-1B	Total/NA	Ground Water	SM 2320B	
440-78207-3	MW-2	Total/NA	Ground Water	SM 2320B	
440-78207-4	MW-3	Total/NA	Ground Water	SM 2320B	
440-78207-5	MW-4	Total/NA	Ground Water	SM 2320B	
LCS 440-182472/2	Lab Control Sample	Total/NA	Water	SM 2320B	
MB 440-182472/3	Method Blank	Total/NA	Water	SM 2320B	

Definitions/Glossary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 4212 First St., Pleasanton, CA

TestAmerica Job ID: 440-78207-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 4212 First St., Pleasanton, CA

TestAmerica Job ID: 440-78207-1

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska	State Program	10	CA01531	06-30-14
Arizona	State Program	9	AZ0671	10-13-14
California	LA Cty Sanitation Districts	9	10256	01-31-15
California	State Program	9	2706	06-30-14
Guam	State Program	9	Cert. No. 12.002r	01-23-15
Hawaii	State Program	9	N/A	01-29-15 *
Nevada	State Program	9	CA015312007A	07-31-14
New Mexico	State Program	6	N/A	01-29-15
Northern Mariana Islands	State Program	9	MP0002	01-31-14 *
Oregon	NELAP	10	4005	01-29-15
USDA	Federal		P330-09-00080	06-06-15
USEPA UCMR	Federal	1	CA01531	01-31-15

* Expired certification is currently pending renewal and is considered valid.

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 440-78207-1

Login Number: 78207

List Source: TestAmerica Irvine

List Number: 1

Creator: Kim, Guerry

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	