



**CONESTOGA-ROVERS
& ASSOCIATES**

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TRANSMITTAL

DATE: February 8, 2012 REFERENCE NO.: 240366
PROJECT NAME: 999 San Pablo Avenue, Albany
TO: Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

RECEIVED

3:28 pm, Feb 15, 2012

Alameda County
Environmental Health

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QUANTITY	DESCRIPTION
1	Groundwater Monitoring Report - Fourth 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)
Gregg Biggs (property owner), 3640 Valley Road, Casper, WY 82604
Sam Anabi (lessee), CAR Enterprises, 1040 North Benson Avenue, Upland, CA 91786-2157

Completed by: Peter Schaefer Signed: *Peter Schaefer*

Filing: **Correspondence File**



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
999 San Pablo Avenue
Albany, California
SAP Code 135037
Incident No. 98995143
ACEH Case No. RO0000121

Dear Mr. Wickham:

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

If you have any questions or concerns, please call me at (707) 865-0251.

Sincerely,

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

Denis L. Brown
Senior Program Manager



GROUNDWATER MONITORING REPORT - FOURTH QUARTER 2011

**SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE
ALBANY, CALIFORNIA**

**SAP CODE 135037
INCIDENT NO. 98995143
AGENCY NO. RO0000121**

**FEBRUARY 8, 2012
REF. NO. 240366 (9)**

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	999 San Pablo Avenue, Albany
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.	RO0000121
Shell SAP Code	135037
Shell Incident No.	98995143

Date of most recent agency correspondence was January 26, 2012 (electronic).

2.0 SITE ACTIVITIES, FINDINGS, AND DISCUSSION

2.1 CURRENT QUARTER'S ACTIVITIES

Blaine Tech Services, Inc. (Blaine) gauged and sampled the wells according to the established monitoring program for this site. Blaine coordinated groundwater monitoring with adjacent ARCO Station No. 2035 located at 1001 San Pablo Avenue, Albany.

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 reports are presented in Appendix B. The groundwater monitoring data tables for the ARCO site are included in Appendix C.

Blaine installed a hydrocarbon-absorbent canister in well S-8 on February 10, 2011 and has replaced the canisters quarterly since then. During the August 10, 2011 gauging

event, Blaine measured 0.01 feet of separate-phase hydrocarbons (SPHs) in well S-8 and bailed 25 milliliters (0.04 pounds) of SPHs from the well. In addition, approximately 0.74 pounds of SPHs (weight of the canister upon removal minus the dry weight of the canister) were removed from S-8 with the SPH canister during third quarter 2011. During the November 28, 2011 monitoring event, Blaine did not measure any SPHs in well MW-8. Approximately 1.63 pounds of SPHs were removed from S-8 with the SPH canister during fourth quarter 2011. A total of approximately 2.41 pounds of SPHs were removed from S-8 during this period. An SPH removal summary is provided below.

SPH REMOVAL SUMMARY	
<i>This Period (pounds)</i>	<i>Cumulative Removal (pounds)</i>
2.41	17.9

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Variable but predominantly westerly
Hydraulic Gradient	Variable
Depth to Water	6.45 to 8.97 feet below top of well casing

2.3 PROPOSED ACTIVITIES

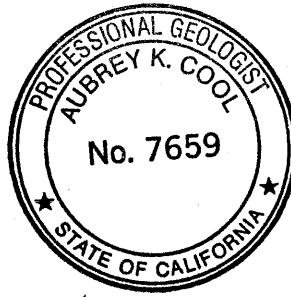
CRA's January 26, 2012 electronic correspondence to Alameda County Environmental Health (ACEH) requested suspending analysis of groundwater samples from wells S-2, S-3, and S-8 for di-isopropyl ether, ethyl tertiary-butyl ether, and tertiary-amyl methyl ether. ACEH's January 26, 2012 electronic correspondence approved our request.

Blaine will gauge and sample wells according to the modified monitoring program for this site discussed above. This site is monitored semiannually during the second and fourth quarters, and CRA will issue groundwater monitoring reports semiannually following the sampling events. In addition, Blaine will replace the SPH-absorbent canister in well S-8 quarterly. If no SPHs are recovered for four consecutive quarters, the SPH-absorbent canister will be removed.

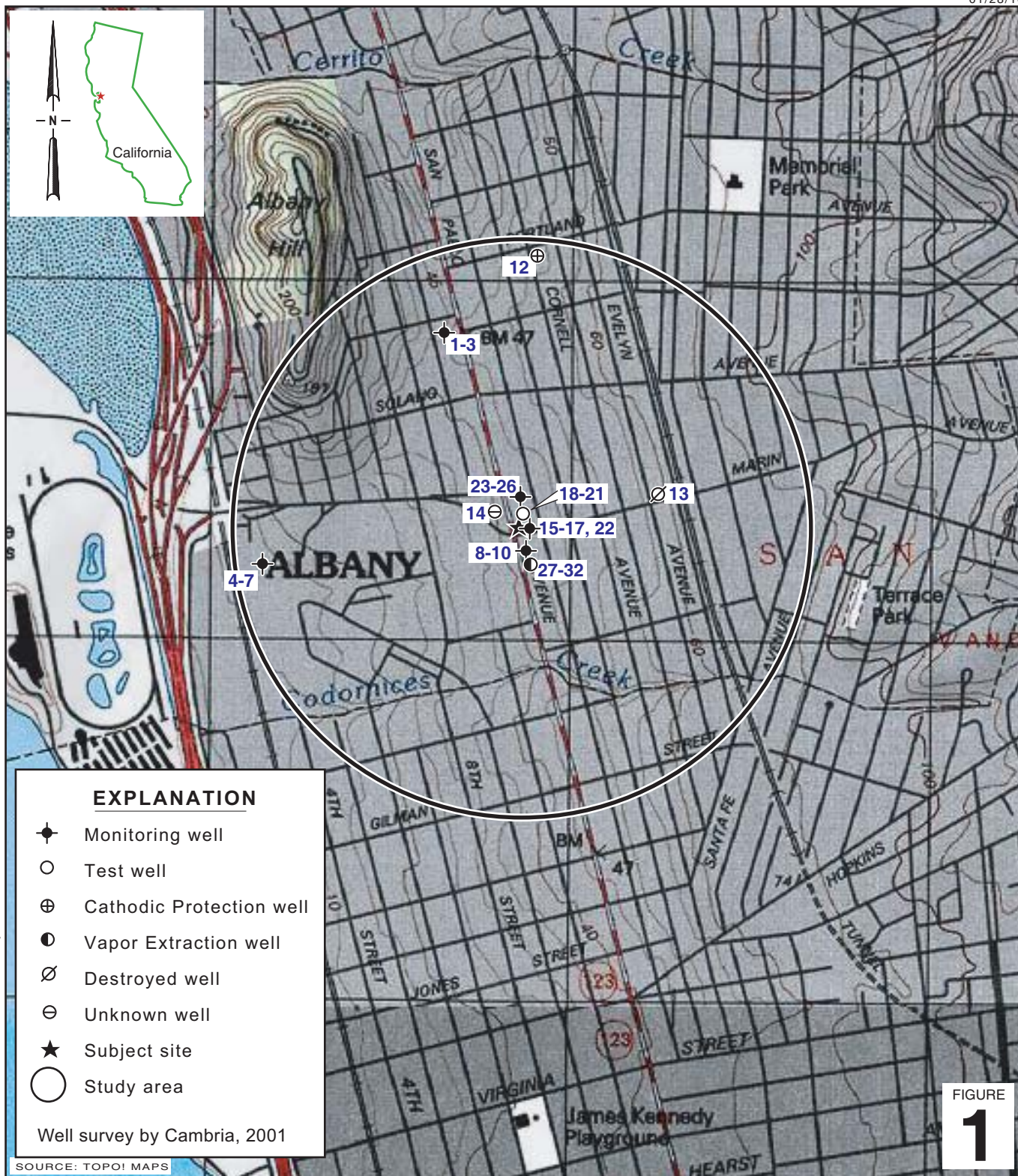
All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

Peter Schaefer
Peter Schaefer, CHG, CEG

Aubrey K. Cool
Aubrey K. Cool, PG



FIGURES



I:\Shell\6-chars\2403--\240366-Albany, 999 San Pablo Ave\240366-FIGURES\240366 VICINITY.A1

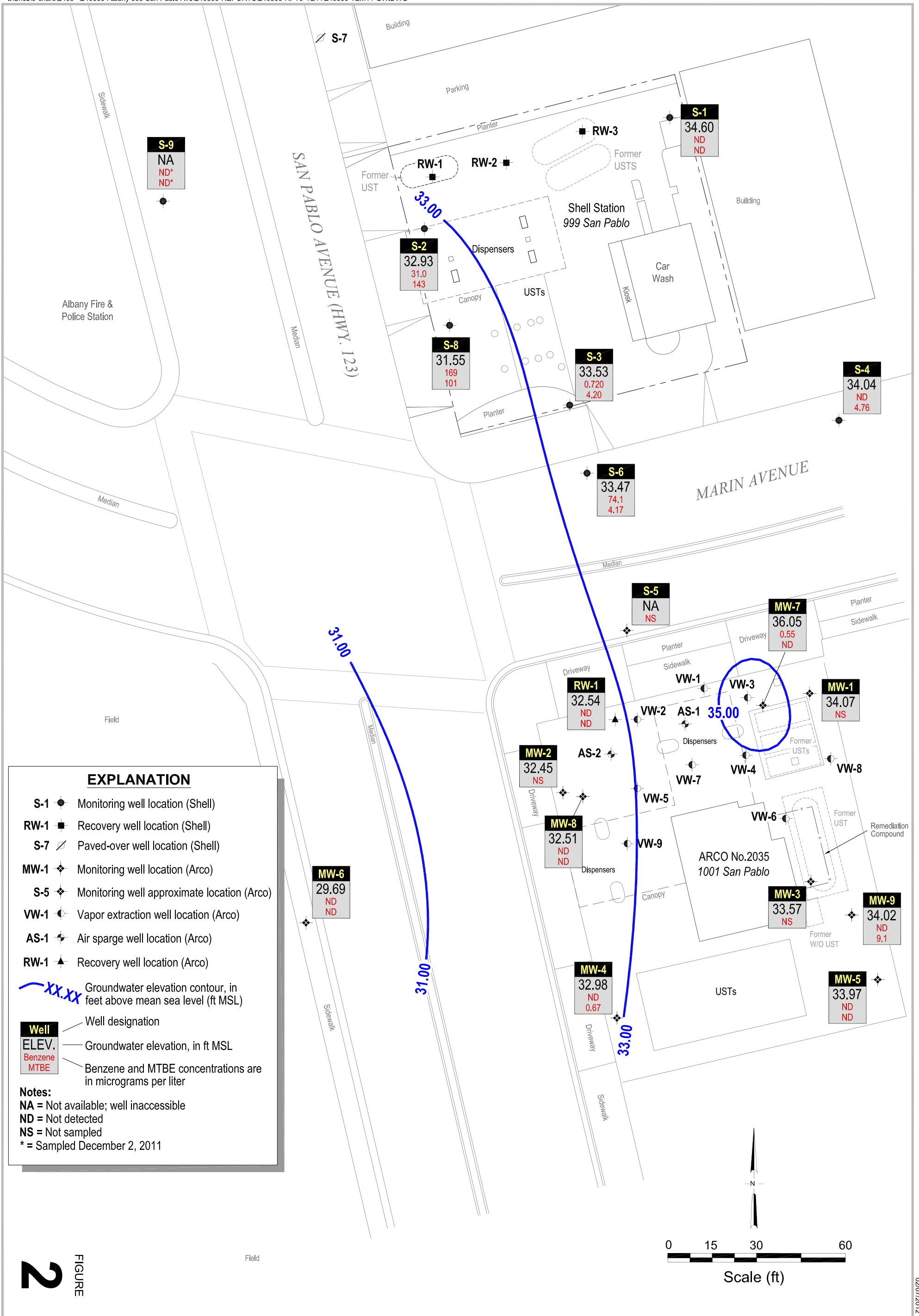


Shell-branded Service Station
 999 San Pablo Avenue
 Albany, California



**CONESTOGA-ROVERS
 & ASSOCIATES**

Vicinity Map



2 FIGURE

Shell-branded Service Station
 999 San Pablo Avenue
 Albany, California



Groundwater Contour and Chemical Concentration Map

November 28, 2011

TABLE

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, 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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)
S-1	05/13/1991	1,500	20	2.6	86	74	---	---	---	---	---	---	42.73	8.24	34.49	---	---
S-1	08/23/1991	2,900	27	<2.5	75	18	---	---	---	---	---	---	42.73	8.37	34.36	---	---
S-1	11/07/1991	2,900	8.0	2.5	46	26	---	---	---	---	---	---	42.73	8.30	34.43	---	---
S-1	01/28/1992	2,000	11	<2.5	60	20	---	---	---	---	---	---	42.73	7.84	34.89	---	---
S-1	05/06/1992	1,200	5.5	<2.5	80	36	---	---	---	---	---	---	42.73	7.95	34.78	---	---
S-1	08/26/1992	2,000	9.4	<2.5	130	<2.5	---	---	---	---	---	---	42.73	8.24	34.49	---	---
S-1	10/28/1992	1,300	27	3.2	72	13	---	---	---	---	---	---	42.73	8.52	34.21	---	---
S-1	01/19/1993	1,500	13	3.0	29	31	---	---	---	---	---	---	42.73	6.54	36.19	---	---
S-1	04/29/1993	2,000	15	<2.5	82	<6.5	---	---	---	---	---	---	42.73	7.93	34.80	---	---
S-1	07/22/1993	620	1.1	4.2	3.5	13	---	---	---	---	---	---	42.73	8.09	34.64	---	---
S-1	10/21/1993	1,200	34	25	15	9.5	---	---	---	---	---	---	42.73	9.43	33.30	---	---
S-1	01/04/1994	860	<2.5	<2.5	5.7	5.3	---	---	---	---	---	---	42.73	8.25	34.48	---	---
S-1	04/13/1994	---	---	---	---	---	---	---	---	---	---	---	42.73	8.02	34.71	---	---
S-1	07/25/1994	1,200	8.3	7.4	15	20	---	---	---	---	---	---	42.73	8.22	34.51	---	---
S-1	10/10/1994	---	---	---	---	---	---	---	---	---	---	---	42.73	8.29	34.44	---	---
S-1	01/26/1995	1,000	12	0.60	12	420	---	---	---	---	---	---	42.73	6.88	35.85	---	---
S-1	04/21/1995	---	---	---	---	---	---	---	---	---	---	---	42.73	7.65	35.08	---	---
S-1	07/28/1995	660	7.2	1.0	11	8.9	---	---	---	---	---	---	42.73	7.90	34.83	---	4
S-1	10/31/1995	---	---	---	---	---	---	---	---	---	---	---	42.73	7.72	35.01	---	---
S-1	01/10/1996	1,100	3.5	7.0	5.1	9.4	---	---	---	---	---	---	42.73	8.24	34.49	---	7.4
S-1	04/25/1996	---	---	---	---	---	---	---	---	---	---	---	42.73	7.74	34.99	---	---
S-1	07/23/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	42.73	7.92	34.81	---	2.7
S-1	12/10/1996	---	---	---	---	---	---	---	---	---	---	---	42.73	7.56	35.17	---	0.6
S-1	02/20/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	42.73	7.95	34.78	---	3
S-1	05/22/1997	---	---	---	---	---	---	---	---	---	---	---	42.73	8.11	34.62	---	0.5
S-1	08/22/1997	810	18	<2.0	5.1	4.4	18	---	---	---	---	---	42.73	7.86	34.87	---	3
S-1	11/03/1997	---	---	---	---	---	---	---	---	---	---	---	42.73	8.35	34.38	---	1.1
S-1	02/20/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	42.73	6.09	36.64	---	2.9
S-1	05/18/1998	---	---	---	---	---	---	---	---	---	---	---	42.73	7.69	35.04	---	1.1
S-1	08/20/1998	390	6.7	<0.50	0.64	<0.50	14	---	---	---	---	---	42.73	8.20	34.53	---	1.9
S-1	11/06/1998	---	---	---	---	---	---	---	---	---	---	---	42.73	8.23	34.50	---	---
S-1	02/16/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	42.73	7.47	35.26	---	1.5
S-1	05/28/1999	---	---	---	---	---	---	---	---	---	---	---	42.73	7.60	35.13	---	1.3

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, 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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)
S-1	08/24/1999	72.4	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	42.73	7.95	34.78	---	1.4
S-1	11/16/1999	---	---	---	---	---	---	---	---	---	---	---	42.73	7.87	34.86	---	1.3
S-1	02/02/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	---	---	---	---	---	42.73	7.26	35.47	---	1.4
S-1	05/09/2000	---	---	---	---	---	---	---	---	---	---	---	42.73	8.13	34.60	---	1.0
S-1	08/03/2000	209	6.42	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	42.73	8.12	34.61	---	1.4
S-1	11/15/2000	---	---	---	---	---	---	---	---	---	---	---	42.73	8.06	34.67	---	1.0
S-1	02/14/2001	179	4.46	<0.500	<0.500	<0.500	8.72	---	---	---	---	---	42.73	8.08	34.65	---	1.1
S-1	05/31/2001	---	---	---	---	---	---	---	---	---	---	---	42.73	8.05	34.68	---	1.0
S-1	08/15/2001	270	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	42.73	8.40	34.33	---	1.3
S-1	12/31/2001	---	---	---	---	---	---	---	---	---	---	---	42.73	7.42	35.31	---	0.4
S-1	02/06/2002	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	42.73	7.60	35.13	---	2.2
S-1	06/04/2002	---	---	---	---	---	---	---	---	---	---	---	42.73	8.16	34.57	---	0.8
S-1	07/25/2002	230	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	42.57	7.84	34.73	---	0.9
S-1	11/27/2002	---	---	---	---	---	---	---	---	---	---	---	42.57	8.01	34.56	---	0.6
S-1	01/30/2003	310	<0.50	<0.50	3.6	1.6	---	<5.0	---	---	---	---	42.57	7.56	35.01	---	1.5
S-1	06/03/2003	---	---	---	---	---	---	---	---	---	---	---	42.57	7.87	34.70	---	1.6
S-1	08/08/2003	730	<0.50	<0.50	12	6.4	---	<0.50	---	---	---	---	42.57	7.95	34.62	---	1.3
S-1	11/13/2003	---	---	---	---	---	---	---	---	---	---	---	42.57	7.90	34.67	---	0.8
S-1	02/04/2004	220	<0.50	<0.50	1.8	1.1	---	<0.50	---	---	---	---	42.57	7.37	35.20	---	1.2
S-1	05/12/2004	---	---	---	---	---	---	---	---	---	---	---	42.57	8.05	34.52	---	1.1
S-1	08/23/2004	110 g	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	42.57	8.10	34.47	---	0.6
S-1	12/01/2004	---	---	---	---	---	---	---	---	---	---	---	42.57	7.84	34.73	---	---
S-1	02/07/2005	53 g	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	42.57	7.48	35.09	---	0.49
S-1	05/02/2005	---	---	---	---	---	---	---	---	---	---	---	42.57	8.05	34.52	---	---
S-1	08/04/2005	850	<0.50	<0.50	4.5	1.0	---	<0.50	---	---	---	---	42.57	8.05	34.52	---	0.01
S-1	11/16/2005	---	---	---	---	---	---	---	---	---	---	---	42.57	8.19	34.38	---	---
S-1	03/02/2006	170	<0.50	<0.50	2.4	0.91	---	<0.50	---	---	---	---	42.57	7.58	34.99	---	0.32
S-1	05/31/2006	---	---	---	---	---	---	---	---	---	---	---	42.57	8.03	34.54	---	---
S-1	08/29/2006	<50.0	<0.500	<0.500	<0.500	<0.500	---	<0.500	---	---	---	---	42.57	7.99	34.58	---	1.05
S-1	12/06/2006	---	---	---	---	---	---	---	---	---	---	---	42.57	8.07	34.50	---	0.4
S-1	01/30/2007	640	<0.50	<0.50	1.9	<1.0	---	<0.50	---	---	---	---	42.57	8.32	34.25	---	1.20
S-1	05/15/2007	---	---	---	---	---	---	---	---	---	---	---	42.57	7.85	34.72	---	0.16
S-1	08/29/2007	980 j	0.371	<1.0	3.3	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	42.57	7.87	34.70	---	2.54

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, 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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)
S-1	11/29/2007	---	---	---	---	---	---	---	---	---	---	---	42.57	8.18	34.39	---	0.28
S-1	02/21/2008	430 j	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	42.57	7.94	34.63	---	0.27
S-1	05/06/2008	---	---	---	---	---	---	---	---	---	---	---	42.57	8.00	34.57	---	0.1
S-1	08/27/2008	170	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	42.57	8.45	34.12	---	0.21
S-1	11/24/2008	---	---	---	---	---	---	---	---	---	---	---	42.57	8.49	34.08	---	0.06
S-1	01/28/2009	390	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	42.57	8.29	34.28	---	1.70
S-1	05/26/2009	---	---	---	---	---	---	---	---	---	---	---	42.57	8.11	34.46	---	---
S-1	11/24/2009	230	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	42.57	8.34	34.23	---	1.47
S-1	05/26/2010	490	<0.50	<1.0	1.3	2.1	---	<1.0	---	---	---	---	42.57	7.99	34.58	---	0.38
S-1	11/30/2010	220	1.7	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	42.57	7.98	34.59	---	0.65
S-1	05/11/2011	<50	<0.50	<0.50	<0.50	1.0	---	<1.0	---	---	---	---	42.57	8.19	34.38	---	1.49
S-1	11/28/2011	56	<0.500	<0.500	<0.500	<0.500	---	<0.500	---	---	---	---	42.57	7.97	34.60	---	1.62
S-2	05/13/1991	23,000	3,900	230	1,100	3,200	---	---	---	---	---	---	40.73	8.50	32.23	---	---
S-2	08/23/1991	23,000	4,400	260	1,900	2,400	---	---	---	---	---	---	40.73	8.80	31.93	---	---
S-2	11/07/1991	40,000	4,000	160	1,020	3,400	---	---	---	---	---	---	40.73	8.61	32.12	---	---
S-2	01/28/1992	22,000	1,600	70	420	1,700	---	---	---	---	---	---	40.73	7.80	32.93	---	---
S-2	05/06/1992	20,000	2,600	110	860	1,900	---	---	---	---	---	---	40.73	8.10	32.63	---	---
S-2	08/26/1992	42,000	5,000	160	1,100	3,500	---	---	---	---	---	---	40.73	8.37	32.36	---	---
S-2	10/28/1992	34,000	4,800	330	1,600	2,900	---	---	---	---	---	---	40.73	8.64	32.09	---	---
S-2	01/19/1993	20,000	2,300	370	660	1,300	---	---	---	---	---	---	40.73	5.82	34.91	---	---
S-2	04/29/1993	40,000	2,000	67	900	1,900	---	---	---	---	---	---	40.73	7.70	33.03	---	---
S-2	07/22/1993	22,000	3,000	120	1,000	1,600	---	---	---	---	---	---	40.73	8.38	32.35	---	---
S-2 (D)	07/22/1993	17,000	3,000	110	1,000	1,500	---	---	---	---	---	---	40.73	8.38	32.35	---	---
S-2	10/21/1993	14,000	2,800	74	870	1,100	---	---	---	---	---	---	40.73	8.58	32.15	---	---
S-2 (D)	10/21/1993	13,000	3,200	53	960	820	---	---	---	---	---	---	40.73	8.58	32.15	---	---
S-2	01/04/1994	21,000	2,100	67	990	770	---	---	---	---	---	---	40.73	7.70	33.03	---	---
S-2 (D)	01/04/1994	22,000	2,000	64	910	750	---	---	---	---	---	---	40.73	7.70	33.03	---	---
S-2	04/13/1994	---	---	---	---	---	---	---	---	---	---	---	40.73	7.62	33.11	---	---
S-2	07/25/1994	43,000	2,600	490	990	1,300	---	---	---	---	---	---	40.73	7.86	32.87	---	---
S-2	10/10/1994	---	---	---	---	---	---	---	---	---	---	---	40.73	8.12	32.61	---	---
S-2	01/26/1995	21,000	790	12	290	570	---	---	---	---	---	---	40.73	6.38	34.35	---	5.5
S-2	04/21/1995	---	---	---	---	---	---	---	---	---	---	---	40.73	7.01	33.72	---	---

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, 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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)
S-2	07/28/1995	14,000	2,400	360	960	370	---	---	---	---	---	---	40.73	7.82	32.91	---	4
S-2	10/31/1995	---	---	---	---	---	---	---	---	---	---	---	40.73	7.57	33.16	---	---
S-2	01/10/1996	17,000	1,400	<50	480	170	---	---	---	---	---	---	40.73	8.13	32.60	---	7.2
S-2	04/25/1996	---	---	---	---	---	---	---	---	---	---	---	40.73	7.72	33.01	---	---
S-2	07/23/1996	16,000	2,700	69	1,100	110	9,500	---	---	---	---	---	40.73	8.10	32.63	---	2.2
S-2 (D)	07/23/1996	11,000	2,600	68	1,000	96	10,000	11,000	---	---	---	---	40.73	8.10	32.63	---	2.2
S-2	12/10/1996	---	---	---	---	---	---	---	---	---	---	---	40.73	8.57	32.16	---	0.5
S-2	02/20/1997	10,000	500	<10	90	130	6,400	---	---	---	---	---	40.73	8.15	32.58	---	4
S-2	05/22/1997	---	---	---	---	---	---	---	---	---	---	---	40.73	8.79	31.94	---	1.1
S-2	08/22/1997	23,000	1,300	65	740	290	4,500	---	---	---	---	---	40.73	8.05	32.68	---	3.2
S-2 (D)	08/22/1997	20,000	1,200	<100	630	250	3,900	---	---	---	---	---	40.73	8.05	32.68	---	3.2
S-2	11/03/1997	---	---	---	---	---	---	---	---	---	---	---	40.73	8.75	31.98	---	1.2
S-2	02/20/1998	450	28	1.3	7.4	12	35	---	---	---	---	---	40.73	6.34	34.39	---	0.4
S-2	05/18/1998	---	---	---	---	---	---	---	---	---	---	---	40.73	7.95	32.78	---	0.8
S-2	08/20/1998	22,000	290	44	420	410	7,300	---	---	---	---	---	40.73	7.73	33.00	---	1.9
S-2	11/06/1998	---	---	---	---	---	---	---	---	---	---	---	40.73	8.47	32.26	---	---
S-2	02/16/1999	27,000	200	<200	770	840	5,400	---	---	---	---	---	40.73	7.24	33.49	---	1.4
S-2	05/28/1999	---	---	---	---	---	---	---	---	---	---	---	40.73	7.82	32.91	---	1.3
S-2	08/24/1999	13,400	196	<25.0	439	113	597	---	---	---	---	---	40.73	8.61	32.12	---	1.2
S-2	11/16/1999	---	---	---	---	---	---	---	---	---	---	---	40.73	8.17	32.56	---	1.1
S-2	02/02/2000	7,850	176	88.0	134	111	540	---	---	---	---	---	40.73	7.57	33.16	---	1.2
S-2	05/09/2000	---	---	---	---	---	---	---	---	---	---	---	40.73	7.94	32.79	---	1.3
S-2	08/03/2000	35,000	255	122	842	224	905	726e	---	---	---	---	40.73	8.07	32.66	---	1.1
S-2	11/15/2000	---	---	---	---	---	---	---	---	---	---	---	40.73	8.13	32.60	---	1.3
S-2	02/14/2001	13,000	147	<25.0	309	54.4	581	---	---	---	---	---	40.73	6.39	34.34	---	1.4
S-2	05/31/2001	---	---	---	---	---	---	---	---	---	---	---	40.73	7.21	33.52	---	1.5
S-2	08/15/2001	15,000	67	4.1	220	33	---	440	---	---	---	---	40.73	8.27	32.46	---	0.6
S-2	12/31/2001	---	---	---	---	---	---	270	---	---	---	---	40.73	6.07	34.66	---	0.2
S-2	02/06/2002	15,000	53	2.8	120	31	---	220	---	---	---	---	40.73	7.98	32.75	---	1.8
S-2	06/04/2002	---	---	---	---	---	---	---	---	---	---	---	40.73	6.70	34.03	---	0.2
S-2	07/25/2002	9,000	75	4.0	180	24	---	460	---	---	---	---	40.63	7.67	32.96	---	0.9
S-2	11/27/2002	---	---	---	---	---	---	---	---	---	---	---	40.63	7.84	32.79	---	0.7
S-2	01/30/2003	15,000	26	<2.5	92	22	---	210	---	---	---	---	40.63	7.29	33.34	---	15.6

**GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, 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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)
S-2	06/03/2003	17,000	<25	<25	130	<50	---	290	---	---	---	---	40.63	7.87	32.76	---	5.4
S-2	08/08/2003	4,500	<2.5	<2.5	9.4	<5.0	---	140	---	---	---	---	40.63	8.18	32.45	---	16.2
S-2	11/13/2003	10,000	18	<10	47	21	---	180	---	---	---	---	40.63	7.98	32.65	---	19.5
S-2	02/04/2004	5,700	54	<10	54	<20	---	270	---	---	---	---	40.63	7.21	33.42	---	>15
S-2	05/12/2004	8,200	18	<10	<10	<20	---	250	---	---	---	---	40.63	8.07	32.56	---	3.1
S-2	08/23/2004	4,100	<10	<10	<10	<20	---	84	<100	<40	<40	<40	40.63	8.52	32.11	---	10.7
S-2	12/01/2004	2,000	3.4	<2.5	6.2	<5.0	---	77	---	---	---	---	40.63	8.70	31.93	---	11.8
S-2	02/07/2005	7,400	32	1.6	29	3.1	---	210	---	---	---	---	40.63	7.58	33.05	---	0.11
S-2	05/02/2005	8,100	84	4.9	83	5.5	---	320	---	---	---	---	40.63	7.45	33.18	---	0.6
S-2	08/04/2005	4,900	48	2.1	19	2.8	---	330	55	<4.0	<4.0	<4.0	40.63	7.90	32.73	---	0.4
S-2	11/16/2005	13,700	43.8	2.79	25.1	5.92	---	156	---	---	---	---	40.63	8.33	32.30	---	0.5
S-2	03/02/2006	5,800	44	3.2	20	5.6	---	190	---	---	---	---	40.63	6.74	33.89	---	0.63
S-2	05/31/2006	11,100	72.0	4.20	22.4	5.36	---	308	---	---	---	---	40.63	7.46	33.17	---	0.6
S-2	08/29/2006	37,400	72.1	5.08	39.6	6.89	---	377	46.7	<0.500	<0.500	<0.500	40.63	8.02	32.61	---	0.70
S-2	12/06/2006	5,000	41	3.2	11	5.2	---	170	---	---	---	---	40.63	8.04	32.59	---	0.5
S-2	01/30/2007	4,200	24	1.7	5.9	2.3	---	140	---	---	---	---	40.63	8.08	32.55	---	0.11
S-2	05/15/2007	8,100 j	48	3.5	19	6.21	---	180	---	---	---	---	40.63	8.05	32.58	---	0.11
S-2	08/29/2007	8,400 j	60	3.8	12	4.68 l	---	270	64	<4.0	<4.0	<4.0	40.63	8.01	32.62	---	1.02
S-2	11/29/2007	4,100 j	48	4.8 m	11	12.3	---	280	---	---	---	---	40.63	8.25	32.38	---	0.55
S-2	02/21/2008	7,300 j	57	4.0	13	4.7	---	250	---	---	---	---	40.63	7.25	33.38	---	0.40
S-2	05/06/2008	8,900	42	3.1	9.8	4.1	---	270	---	---	---	---	40.63	6.30	34.34	0.01	0.10/2.0
S-2	08/27/2008	9,400	67	<5.0	27	6.0	---	240	67	<10	<10	<10	40.63	8.33	32.30	---	0.15
S-2	11/24/2008	7,100	55	<5.0	9.3	<5.0	---	210	---	---	---	---	40.63	8.43	32.20	---	0.7
S-2	01/28/2009	6,000	29	<5.0	6.5	<5.0	---	130	---	---	---	---	40.63	8.19	32.44	---	0.15
S-2	05/26/2009	20,000	52	3.2	13	6.0	---	330	---	---	---	---	40.63	7.85	32.78	---	0.43
S-2	11/24/2009	5,200	19	<2.0	6.8	4.7	---	120	80	<4.0	<4.0	<4.0	40.63	8.32	32.31	---	0.18
S-2	05/26/2010	7,500	78	<5.0	11	<5.0	---	330	---	---	---	---	40.63	7.62	33.01	---	0.34
S-2	11/30/2010	7,000	32	2.7	4.5	5.0	---	170	86	<4.0	<4.0	<4.0	40.63	7.74	32.89	---	0.65
S-2	05/11/2011	13,000	61	4.0	16	7.0	---	210	---	---	---	---	40.63	7.60	33.03	---	0.97
S-2	11/28/2011	4,800	31.0	2.65	5.73	7.13	---	143	<10.0	<0.500	<0.500	<0.500	40.63	7.70	32.93	---	1.08
S-3	05/13/1991	3,300	30	3.6	26	13	---	---	---	---	---	---	41.46	7.90	33.56	---	---
S-3	08/23/1991	2,000	25	4.0	9.3	4.5	---	---	---	---	---	---	41.46	8.14	33.32	---	---

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, 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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)
S-3	11/07/1991	4,000	20	3.9	5.0	4.9	---	---	---	---	---	---	41.46	7.91	33.55	---	---
S-3	01/28/1992	2,100	21	7.6	6.7	15	---	---	---	---	---	---	41.46	7.53	33.93	---	---
S-3 (D)	01/28/1992	2,100	18	6.1	7.1	14	---	---	---	---	---	---	41.46	7.53	33.93	---	---
S-3	05/06/1992	6,600	38	51	45	65	---	---	---	---	---	---	41.46	7.55	33.91	---	---
S-3	08/26/1992	5,800	18	12	29	60	---	---	---	---	---	---	41.46	7.53	33.93	---	---
S-3	10/28/1992	3,000	55	11	16	32	---	---	---	---	---	---	41.46	7.95	33.51	---	---
S-3	01/19/1993	3,100	<5	5.1	11	16	---	---	---	---	---	---	41.46	6.12	35.34	---	---
S-3	04/29/1993	3,000	31	22	<5	14	---	---	---	---	---	---	41.46	7.27	34.19	---	---
S-3	07/22/1993	2,600	3.1	43	23	53	---	---	---	---	---	---	41.46	7.62	33.84	---	---
S-3	10/21/1993	2,500	73	14	16	32	---	---	---	---	---	---	41.46	7.81	33.65	---	---
S-3	01/04/1994	4,800	13	21	<12.5	33	---	---	---	---	---	---	41.46	7.49	33.97	---	---
S-3	04/13/1994	---	---	---	---	---	---	---	---	---	---	---	41.46	7.32	34.14	---	---
S-3	07/25/1994	2,600	6.1	4.0	3.8	12	---	---	---	---	---	---	41.46	7.66	33.80	---	---
S-3	10/10/1994	---	---	---	---	---	---	---	---	---	---	---	41.46	7.49	33.97	---	---
S-3	01/26/1995	3,600	30	6.8	5.6	19	---	---	---	---	---	---	41.46	6.50	34.96	---	---
S-3 (D)	01/26/1995	2,200	9.9	15	14	22	---	---	---	---	---	---	41.46	6.50	34.96	---	---
S-3	04/21/1995	---	---	---	---	---	---	---	---	---	---	---	41.46	6.79	34.67	---	---
S-3	07/28/1995	3,700	27	9.3	20	34	---	---	---	---	---	---	41.46	7.28	34.18	---	4
S-3	10/31/1995	---	---	---	---	---	---	---	---	---	---	---	41.46	6.74	34.72	---	---
S-3	01/10/1996	4,000	10	<0.50	13	28	---	---	---	---	---	---	41.46	7.48	33.98	---	6.1
S-3	04/25/1996	---	---	---	---	---	---	---	---	---	---	---	41.46	6.90	34.56	---	---
S-3	07/23/1996	2,100	20	<0.50	<0.50	<0.50	<25	---	---	---	---	---	41.46	7.04	34.42	---	2.1
S-3	12/10/1996	---	---	---	---	---	---	---	---	---	---	---	41.46	7.96	33.50	---	0.7
S-3	02/20/1997	3,500	83	<5.0	18	16	130	---	---	---	---	---	41.46	7.44	34.02	---	3
S-3 (D)	02/20/1997	3,000	69	<5.0	14	12	70	---	---	---	---	---	41.46	7.44	34.02	---	3
S-3	05/22/1997	---	---	---	---	---	---	---	---	---	---	---	41.46	7.13	34.33	---	0.6
S-3	08/22/1997	4,700	60	12	19	21	40	---	---	---	---	---	41.46	6.81	34.65	---	2.9
S-3	11/03/1997	---	---	---	---	---	---	---	---	---	---	---	41.46	7.40	34.06	---	0.9
S-3	02/20/1998	3,400	<10	<10	14	18	85	---	---	---	---	---	41.46	6.55	34.91	---	0.8
S-3 (D)	02/20/1998	3,100	8.6	7.8	12	16	57	---	---	---	---	---	41.46	6.55	34.91	---	0.8
S-3	05/18/1998	---	---	---	---	---	---	---	---	---	---	---	41.46	6.81	34.65	---	0.7
S-3	08/20/1998	4,400	67	23	9.8	22	240	---	---	---	---	---	41.46	6.98	34.48	---	2.2
S-3	11/06/1998	---	---	---	---	---	---	---	---	---	---	---	41.46	6.96	34.50	---	---

**GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, 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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)
S-3	02/16/1999	2,000	6.9	6.2	3.7	4.8	47	---	---	---	---	---	41.46	6.93	34.53	---	2.0
S-3	05/28/1999	---	---	---	---	---	---	---	---	---	---	---	41.46	6.74	34.72	---	1.8
S-3	08/24/1999	4,170	54.8	14.2	6.65	13.7	43.4	---	---	---	---	---	41.46	9.05	32.41	---	1.9
S-3	11/16/1999	---	---	---	---	---	---	---	---	---	---	---	41.46	7.09	34.37	---	1.6
S-3	02/02/2000	2,410	133	112	24.9	104	46.0	---	---	---	---	---	41.46	6.59	34.87	---	1.9
S-3	05/09/2000	---	---	---	---	---	---	---	---	---	---	---	41.46	7.13	34.33	---	1.9
S-3	08/03/2000	3,890	17.2	21.9	<10.0	<10.0	166	---	---	---	---	---	41.46	6.82	34.64	---	1.8
S-3	11/15/2000	---	---	---	---	---	---	---	---	---	---	---	41.46	6.98	34.48	---	1.6
S-3	02/14/2001	2,800	35.8	5.57	3.83	2.94	1,070	1,250	---	---	---	---	41.46	6.57	34.89	---	1.1
S-3	05/31/2001	---	---	---	---	---	---	---	---	---	---	---	41.46	6.72	34.74	---	1.6
S-3	08/15/2001	2,700	2.0	0.52	<0.50	2.0	---	140	---	---	---	---	41.46	7.44	34.02	---	0.6
S-3	12/31/2001	2,300	<2.0	<2.0	<2.0	<2.0	---	470	---	---	---	---	41.46	6.62	34.84	---	0.6
S-3	02/06/2002	2,000	2.6	1.6	4.3	7.8	---	170	---	---	---	---	41.46	7.22	34.24	---	2.2
S-3	06/04/2002	2,400	1.0	1.1	0.54	4.5	---	120	---	---	---	---	41.46	7.34	34.12	---	0.5
S-3	07/25/2002	3,100	0.86	<0.50	<0.50	2.0	---	92	---	---	---	---	41.37	6.98	34.39	---	1.0
S-3	11/27/2002	2,600	2.0	0.55	<0.50	2.1	---	44	---	---	---	---	41.37	7.62	33.75	---	0.7
S-3	01/30/2003	1,200	2.1	1.3	1.6	3.4	---	42	---	---	---	---	41.37	7.14	34.23	---	13.6
S-3	06/03/2003	2,700	2.9	<0.50	0.50	2.8	---	43	---	---	---	---	41.37	7.25	34.12	---	1.7
S-3	08/08/2003	1,400	2.4	0.71	<0.50	2.2	---	32	---	---	---	---	41.37	7.67	33.70	---	>20
S-3	11/13/2003	5,200	5.1	2.4	<1.0	5.6	---	69	---	---	---	---	41.37	7.56	33.81	---	19.6
S-3	02/04/2004	2,800	1.9	<1.0	1.0	2.6	---	20	---	---	---	---	41.37	7.12	34.25	---	>15
S-3	05/12/2004	1,900	2.8	<1.0	<1.0	2.2	---	9.7	---	---	---	---	41.37	7.94	33.43	---	4.0
S-3	08/23/2004	1,400	7.6	1.1	<1.0	2.9	---	13	<10	<4.0	<4.0	<4.0	41.37	8.09	33.28	---	13.3
S-3	12/01/2004	950	1.9	<1.0	<1.0	<2.0	---	5.6	---	---	---	---	41.37	8.21	33.16	---	13.0
S-3	02/07/2005	1,800	1.4	<1.0	<1.0	2.1	---	9.9	---	---	---	---	41.37	7.69	33.68	---	0.25
S-3	05/02/2005	4,000	2.3	1.1	1.6	3.0	---	9.9	---	---	---	---	41.37	7.20	34.17	---	0.5
S-3	08/04/2005	3,600	2.1	<1.0	<2.0	3.6	---	8.5	33	<4.0	<4.0	<4.0	41.37	8.14	33.23	---	0.2
S-3	11/16/2005	6,000	2.24	0.800	0.660	3.35	---	3.83	---	---	---	---	41.37	8.39	32.98	---	0.6
S-3	03/02/2006	1,500	1.3	<0.50	0.57	2.0	---	5.1	---	---	---	---	41.37	7.09	34.28	---	0.52
S-3	05/31/2006	5,560	1.71	0.730	1.24	3.89	---	8.01	i	---	---	---	41.37	7.95	33.42	---	0.5
S-3	08/29/2006	4,850	1.82	0.680	1.19	2.22	---	3.16	<10.0	<0.500	<0.500	<0.500	41.37	6.35	35.02	---	0.88
S-3	12/06/2006	2,900	1.1	<0.50	<0.50	2.2	---	<0.50	---	---	---	---	41.37	8.41	32.96	---	0.3
S-3	01/30/2007	2,100	1.0	<0.50	0.53	1.8	---	5.7	---	---	---	---	41.37	8.31	33.06	---	0.36

**GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, 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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)
S-3	05/15/2007	3,500 j	1.1	0.51 l	0.76 l	2.38 l	---	8.0	---	---	---	---	41.37	7.60	33.77	---	0.11
S-3	08/29/2007	<50 j	1.5	0.48 l	0.50 l	2.81 l	---	<1.0	<10	<2.0	<2.0	<2.0	41.37	8.64	32.73	---	0.57
S-3	11/29/2007	3,800 j	1.8	0.80 l,m	0.65 l	3.34 l	---	5.9	---	---	---	---	41.37	8.36	33.01	---	0.22
S-3	02/21/2008	2,900 j	0.60	<1.0	<1.0	1.2	---	5.0	---	---	---	---	41.37	7.35	34.02	---	0.44
S-3	05/06/2008	2,400	1.2	<1.0	<1.0	1.7	---	<1.0	---	---	---	---	41.37	8.00	33.37	---	0.2/1.4
S-3	08/27/2008	3,100	1.5	<1.0	<1.0	2.3	---	<1.0	<10	<2.0	<2.0	<2.0	41.37	8.56	32.81	---	0.13
S-3	11/24/2008	2,900	1.5	<1.0	<1.0	2.2	---	<1.0	---	---	---	---	41.37	8.71	32.66	---	0.32
S-3	01/28/2009	3,900	1.4	<1.0	<1.0	2.2	---	<1.0	---	---	---	---	41.37	8.22	33.15	---	0.48
S-3	05/26/2009	3,600	1.1	<1.0	<1.0	1.5	---	5.2	---	---	---	---	41.37	8.23	33.14	---	1.54
S-3	11/24/2009	2,200	0.98	<1.0	<1.0	1.7	---	<1.0	<10	<2.0	<2.0	<2.0	41.37	8.71	32.66	---	0.42
S-3	05/26/2010	2,800	1.0	<1.0	<1.0	2.4	---	7.8	---	---	---	---	41.37	7.80	33.57	---	0.32
S-3	11/30/2010	3,800	0.94	<1.0	<1.0	1.9	---	4.5	<10	<2.0	<2.0	<2.0	41.37	7.65	33.72	---	0.87
S-3	05/11/2011	3,000	0.77	0.51	<0.50	1.8	---	7.4	---	---	---	---	41.37	8.01	33.36	---	0.80
S-3	11/28/2011	1,800	0.720	0.500	<0.500	2.51	---	4.20	<10.0	<0.500	<0.500	<0.500	41.37	7.84	33.53	---	0.73
S-4	05/13/1991	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	41.10	7.44	33.66	---	---
S-4	08/23/1991	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	41.10	8.32	32.78	---	---
S-4	11/07/1991	260	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	41.10	8.32	32.78	---	---
S-4	01/28/1992	110 g	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	41.10	7.40	33.70	---	---
S-4	05/06/1992	54	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	41.10	7.21	33.89	---	---
S-4	08/26/1992	67	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	41.10	8.13	32.97	---	---
S-4	10/28/1992	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	41.10	8.73	32.37	---	---
S-4	01/19/1993	86	1.2	0.70	2.7	15	---	---	---	---	---	---	41.10	5.86	35.24	---	---
S-4	04/29/1993	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	41.10	7.02	34.08	---	---
S-4 (D)	04/29/1993	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	41.10	7.02	34.08	---	---
S-4	07/22/1993	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	41.10	7.76	33.34	---	---
S-4	10/21/1993	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	41.10	8.53	32.57	---	---
S-4	01/04/1994	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	41.10	7.92	33.18	---	---
S-4	04/13/1994	---	---	---	---	---	---	---	---	---	---	---	41.10	7.71	33.39	---	---
S-4	07/25/1994	---	---	---	---	---	---	---	---	---	---	---	41.10	7.82	33.28	---	---
S-4	10/10/1994	---	---	---	---	---	---	---	---	---	---	---	41.10	8.15	32.95	---	---
S-4	01/26/1995	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	41.10	5.73	35.37	---	---
S-4	04/21/1995	---	---	---	---	---	---	---	---	---	---	---	41.10	6.26	34.84	---	---

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, 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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)
S-4	07/28/1995	---	---	---	---	---	---	---	---	---	---	---	41.10	7.80	33.30	---	---
S-4	10/31/1995	---	---	---	---	---	---	---	---	---	---	---	41.10	8.45	32.65	---	---
S-4	01/10/1996	<50	1.0	2.8	<0.50	2.1	---	---	---	---	---	---	41.10	8.26	32.84	---	2.8
S-4	04/25/1996	---	---	---	---	---	---	---	---	---	---	---	41.10	7.14	33.96	---	---
S-4	07/23/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	41.10	8.18	32.92	---	3.8
S-4	12/10/1996	---	---	---	---	---	---	---	---	---	---	---	41.10	7.04	34.06	---	3.9
S-4	02/20/1997	<50	<0.50	<0.50	<0.50	<0.50	6.7	---	---	---	---	---	41.10	7.07	34.03	---	5
S-4	05/22/1997	---	---	---	---	---	---	---	---	---	---	---	41.10	6.63	34.47	---	0.8
S-4	08/22/1997	---	---	---	---	---	---	---	---	---	---	---	41.10	7.69	33.41	---	3.7
S-4	11/03/1997	---	---	---	---	---	---	---	---	---	---	---	41.10	8.26	32.84	---	1.3
S-4	02/20/1998	130	6.9	4.6	5.2	17	2.8	---	---	---	---	---	41.10	5.57	35.53	---	1.8
S-4	05/18/1998	---	---	---	---	---	---	---	---	---	---	---	41.10	7.13	33.97	---	1.4
S-4	08/20/1998	---	---	---	---	---	---	---	---	---	---	---	41.10	7.77	33.33	---	4.0
S-4	11/06/1998	---	---	---	---	---	---	---	---	---	---	---	41.10	7.85	33.25	---	---
S-4	02/16/1999	<50	<0.50	<0.50	<0.50	<0.50	23	---	---	---	---	---	41.10	6.51	34.59	---	3.6
S-4	05/28/1999	---	---	---	---	---	---	---	---	---	---	---	41.10	7.00	34.10	---	3.2
S-4	08/24/1999	---	---	---	---	---	---	---	---	---	---	---	41.10	9.13	31.97	---	1.9
S-4	11/16/1999	---	---	---	---	---	---	---	---	---	---	---	41.10	7.79	33.31	---	1.7
S-4	02/02/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	---	---	---	---	---	41.10	7.19	33.91	---	1.9
S-4	05/09/2000	---	---	---	---	---	---	---	---	---	---	---	41.10	7.51	33.59	---	1.8
S-4	08/03/2000	---	---	---	---	---	---	---	---	---	---	---	41.10	7.83	33.27	---	1.9
S-4	11/15/2000	---	---	---	---	---	---	---	---	---	---	---	41.10	7.69	33.41	---	1.5
S-4	02/14/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	41.10	6.20	34.90	---	1.6
S-4	05/31/2001	---	---	---	---	---	---	---	---	---	---	---	41.10	6.56	34.54	---	1.6
S-4	08/15/2001	---	---	---	---	---	---	---	---	---	---	---	41.10	7.90	33.20	---	0.6
S-4	12/31/2001	---	---	---	---	---	---	---	---	---	---	---	41.10	5.62	35.48	---	2.7
S-4	02/06/2002	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	41.10	7.29	33.81	---	0.2
S-4	06/04/2002	---	---	---	---	---	---	---	---	---	---	---	41.10	7.45	33.65	---	0.6
S-4	07/25/2002	---	---	---	---	---	---	---	---	---	---	---	41.04	7.39	33.65	---	0.8
S-4	11/27/2002	---	---	---	---	---	---	---	---	---	---	---	41.04	7.60	33.44	---	---
S-4	01/30/2003	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	41.04	8.45	32.59	---	---
S-4	06/03/2003	---	---	---	---	---	---	---	---	---	---	---	41.04	6.82	34.22	---	---
S-4	08/08/2003	---	---	---	---	---	---	---	---	---	---	---	41.04	7.36	33.68	---	---

**GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, 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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)
S-4	11/13/2003	---	---	---	---	---	---	---	---	---	---	---	41.04	7.56	33.48	---	---
S-4	02/04/2004	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	41.04	6.47	34.57	---	---
S-4	05/12/2004	---	---	---	---	---	---	---	---	---	---	---	41.04	7.10	33.94	---	---
S-4	08/23/2004	---	---	---	---	---	---	---	---	---	---	---	41.04	7.60	33.44	---	---
S-4	12/01/2004	---	---	---	---	---	---	---	---	---	---	---	41.04	7.23	33.81	---	---
S-4	02/07/2005	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	41.04	6.12	34.92	---	---
S-4	05/02/2005	---	---	---	---	---	---	---	---	---	---	---	41.04	6.50	34.54	---	---
S-4	08/04/2005	---	---	---	---	---	---	---	---	---	---	---	41.04	7.13	33.91	---	---
S-4	11/16/2005	---	---	---	---	---	---	---	---	---	---	---	41.04	7.43	33.61	---	---
S-4	03/02/2006	<50	<0.50	<0.50	<0.50	<0.50	---	<0.50	---	---	---	---	41.04	6.05	34.99	---	---
S-4	05/31/2006	---	---	---	---	---	---	---	---	---	---	---	41.04	6.64	34.40	---	---
S-4	08/29/2006	---	---	---	---	---	---	---	---	---	---	---	41.04	7.25	33.79	---	---
S-4	12/06/2006	---	---	---	---	---	---	---	---	---	---	---	41.04	7.39	33.65	---	---
S-4	01/30/2007	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	41.04	7.24	33.80	---	---
S-4	05/15/2007	---	---	---	---	---	---	---	---	---	---	---	41.04	6.60	34.44	---	---
S-4	08/29/2007	---	---	---	---	---	---	---	---	---	---	---	41.04	7.42	33.62	---	---
S-4	11/29/2007	---	---	---	---	---	---	---	---	---	---	---	41.04	7.22	33.82	---	---
S-4	02/21/2008	<50 j	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	41.04	6.20	34.84	---	---
S-4	05/06/2008	---	---	---	---	---	---	---	---	---	---	---	41.04	7.19	33.85	---	---
S-4	08/27/2008	---	---	---	---	---	---	---	---	---	---	---	41.04	7.52	33.52	---	---
S-4	11/24/2008	---	---	---	---	---	---	---	---	---	---	---	41.04	7.73	33.31	---	---
S-4	01/28/2009	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	41.04	7.21	33.83	---	---
S-4	05/26/2009	---	---	---	---	---	---	---	---	---	---	---	41.04	6.95	34.09	---	---
S-4	11/24/2009	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	41.04	7.43	33.61	---	---
S-4	05/26/2010	---	---	---	---	---	---	---	---	---	---	---	41.04	6.68	34.36	---	---
S-4	11/30/2010	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	41.04	6.87	34.17	---	---
S-4	05/11/2011	<50	<0.50	<0.50	<0.50	<1.0	---	<1.0	---	---	---	---	41.04	6.90	34.14	---	---
S-4	11/28/2011	<50	<0.500	<0.500	<0.500	<0.500	---	4.76	---	---	---	---	41.04	7.00	34.04	---	---
S-5	05/13/1991	---	---	---	---	---	---	---	---	---	---	---	39.99	14.60	30.57	6.48	---
S-5	08/23/1991	---	---	---	---	---	---	---	---	---	---	---	39.99	15.14	29.25	5.50	---
S-5	11/07/1991	---	---	---	---	---	---	---	---	---	---	---	39.99	15.10	29.17	5.35	---
S-5	01/28/1992	---	---	---	---	---	---	---	---	---	---	---	39.99	14.05	29.86	4.90	---

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, 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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)
S-5	05/06/1992	---	---	---	---	---	---	---	---	---	---	---	39.99	14.31	30.21	5.66	---
S-5	08/26/1992	---	---	---	---	---	---	---	---	---	---	---	39.99	14.26	28.77	3.80	---
S-5	10/28/1992	---	---	---	---	---	---	---	---	---	---	---	39.99	14.22	28.82	3.81	---
S-5	01/19/1993	---	---	---	---	---	---	---	---	---	---	---	39.99	12.36	30.80	3.96	---
S-5	04/29/1993	---	---	---	---	---	---	---	---	---	---	---	39.99	9.64	31.07	0.90	---
S-5	07/22/1993	---	---	---	---	---	---	---	---	---	---	---	39.99	9.55	31.16	0.90	---
S-5	10/21/1993	---	---	---	---	---	---	---	---	---	---	---	39.99	11.23	29.34	0.73	---
S-5	01/04/1994	---	---	---	---	---	---	---	---	---	---	---	39.99	11.69	29.82	1.90	---
S-5	04/13/1994	---	---	---	---	---	---	---	---	---	---	---	39.99	11.42	29.87	1.62	---
S-5	07/25/1994	---	---	---	---	---	---	---	---	---	---	---	39.99	12.01	29.41	1.79	---
S-5	10/10/1994	---	---	---	---	---	---	---	---	---	---	---	39.99	12.05	29.38	1.80	---
S-5	01/26/1995	---	---	---	---	---	---	---	---	---	---	---	39.99	8.42	32.95	1.72	---
S-5	04/21/1995	---	---	---	---	---	---	---	---	---	---	---	39.99	10.03	30.90	1.17	---
S-5	07/28/1995	---	---	---	---	---	---	---	---	---	---	---	39.99	11.42	30.07	1.87	---
S-5	10/31/1995	---	---	---	---	---	---	---	---	---	---	---	39.99	13.21	27.21	0.54	---
S-5	01/10/1996	---	---	---	---	---	---	---	---	---	---	---	39.99	12.05	28.04	0.13	---
S-5	04/25/1996	---	---	---	---	---	---	---	---	---	---	---	39.99	9.68	30.33	0.03	---
S-5	07/23/1996	---	---	---	---	---	---	---	---	---	---	---	39.99	9.82	30.20	0.04	---
S-5	12/10/1996	270,000	8,800	29,000	5,200	37,000	<2,500	---	---	---	---	---	39.99	9.10	30.91	0.03	---
S-5 (D)	12/10/1996	400,000	9,200	32,000	7,200	50,000	<2,500	---	---	---	---	---	39.99	9.10	30.91	0.03	---
S-5	02/20/1997	88,000	2,000	11,000	1,600	19,000	<500	---	---	---	---	---	39.99	8.93	31.06	---	5
S-5	05/22/1997	---	---	---	---	---	---	---	---	---	---	---	39.99	10.07	29.94	0.02	---
S-5	08/22/1997	---	---	---	---	---	---	---	---	---	---	---	39.99	10.24	29.77	0.02	---
S-5	11/03/1997	---	---	---	---	---	---	---	---	---	---	---	39.99	10.91	29.10	0.02	---
S-5	02/20/1998	---	---	---	---	---	---	---	---	---	---	---	39.99	7.81	32.20	0.03	---
S-5	05/18/1998	---	---	---	---	---	---	---	---	---	---	---	39.99	9.64	30.37	0.02	---
S-5	05/31/2001	---	---	---	---	---	---	---	---	---	---	---	39.99	10.13	29.86	---	---
S-6	05/13/1991	13,000	600	140	210	310	---	---	---	---	---	---	40.12	7.82	32.30	---	---
S-6	08/23/1991	9,800	480	80	120	150	---	---	---	---	---	---	40.12	9.58	30.54	---	---
S-6	11/07/1991	6,200	240	23	25	27	---	---	---	---	---	---	40.12	10.86	29.26	---	---
S-6	01/28/1992	5,600	250	15	41	36	---	---	---	---	---	---	40.12	8.97	31.15	---	---
S-6	05/06/1992	7,100	330	29	110	210	---	---	---	---	---	---	40.12	8.27	31.85	---	---

**GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, 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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)
S-6	08/26/1992	13,000	240	<50	56	780	---	---	---	---	---	---	40.12	9.57	31.55	---	---
S-6	10/28/1992	10,000	470	210	67	170	---	---	---	---	---	---	40.12	8.90	32.22	---	---
S-6	01/19/1993	4,800	100	26	27	45	---	---	---	---	---	---	40.12	4.84	35.28	---	---
S-6	04/29/1993	7,000	430	20	<12.5	42	---	---	---	---	---	---	40.12	5.61	34.51	---	---
S-6	07/22/1993	5,800	260	120	65	150	---	---	---	---	---	---	40.12	6.56	33.56	---	---
S-6	10/21/1993	5,500	270	69	120	140	---	---	---	---	---	---	40.12	8.73	31.39	---	---
S-6	01/04/1994	7,100	180	58	63	62	---	---	---	---	---	---	40.12	7.14	32.98	---	---
S-6	04/13/1994	---	---	---	---	---	---	---	---	---	---	---	40.12	7.21	32.91	---	---
S-6	07/25/1994	12,000	190	52	30	39	---	---	---	---	---	---	40.12	6.85	33.27	---	---
S-6 (D)	07/25/1994	7,200	170	32	31	34	---	---	---	---	---	---	40.12	6.85	33.27	---	---
S-6	10/10/1994	---	---	---	---	---	---	---	---	---	---	---	40.12	6.20	33.92	---	---
S-6	01/26/1995	5,800	120	23	24	44	---	---	---	---	---	---	40.12	4.89	35.23	---	---
S-6	04/21/1995	---	---	---	---	---	---	---	---	---	---	---	40.12	5.61	34.51	---	---
S-6	07/28/1995	4,400	210	23	34	60	---	---	---	---	---	---	40.12	5.30	34.82	---	3
S-6 (D)	07/28/1995	6,100	230	20	38	59	---	---	---	---	---	---	40.12	5.30	34.82	---	3
S-6	10/31/1995	---	---	---	---	---	---	---	---	---	---	---	40.12	4.98	35.14	---	---
S-6	01/10/1996	6,800	170	87	35	105	---	---	---	---	---	---	40.12	5.67	34.45	---	2.2
S-6 (D)	01/10/1996	7,800	230	120	50	210	---	---	---	---	---	---	40.12	5.67	34.45	---	2.2
S-6	04/25/1996	---	---	---	---	---	---	---	---	---	---	---	40.12	5.23	34.89	---	---
S-6	07/23/1996	2,600	170	<0.50	<0.50	8.5	<25	---	---	---	---	---	40.12	5.40	34.72	---	1.4
S-6	12/10/1996	---	---	---	---	---	---	---	---	---	---	---	40.12	6.68	33.44	---	0.7
S-6	02/20/1997	6,300	160	7.7	14	31	77	---	---	---	---	---	40.12	5.70	34.42	---	2
S-6	05/22/1997	---	---	---	---	---	---	---	---	---	---	---	40.12	5.49	34.63	---	0.9
S-6	08/22/1997	6,200	160	26	15	27	49	---	---	---	---	---	40.12	5.71	34.41	---	2.8
S-6	11/03/1997	---	---	---	---	---	---	---	---	---	---	---	40.12	6.15	33.97	---	1.4
S-6	02/20/1998	4,100	150	<10	<10	15	55	---	---	---	---	---	40.12	5.25	34.87	---	0.4
S-6	05/18/1998	---	---	---	---	---	---	---	---	---	---	---	40.12	5.69	34.43	---	0.4
S-6	08/20/1998	7,800	240	38	16	39	110	---	---	---	---	---	40.12	6.04	34.08	---	1.5
S-6 (D)	08/20/1998	8,400	270	30	19	31	130	---	---	---	---	---	40.12	6.04	34.08	---	1.5
S-6	11/06/1998	---	---	---	---	---	---	---	---	---	---	---	40.12	6.10	34.02	---	---
S-6	02/16/1999	6,000	190	19	14	20	<2.5	---	---	---	---	---	40.12	5.84	34.28	---	1.7
S-6	05/28/1999	---	---	---	---	---	---	---	---	---	---	---	40.12	9.51	30.61	---	1.9
S-6	08/24/1999	6,870	193	32.1	18.8	36.4	<25.0	---	---	---	---	---	40.12	8.29	31.83	---	2.7

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, 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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)
S-6	11/16/1999	---	---	---	---	---	---	---	---	---	---	---	40.12	5.93	34.19	---	2.6
S-6	02/02/2000	2,310	164	122	28.6	133	63.1	---	---	---	---	---	40.12	5.33	34.79	---	2.6
S-6	05/09/2000	---	---	---	---	---	---	---	---	---	---	---	40.12	6.41	33.71	---	2.4
S-6	08/03/2000	5,600	188	27.4	<10.0	25.2	174	---	---	---	---	---	40.12	5.84	34.28	---	2.7
S-6	11/15/2000	---	---	---	---	---	---	---	---	---	---	---	40.12	5.58	34.54	---	2.3
S-6	02/14/2001	6,140	126	13.2	8.01	18.0	205	---	---	---	---	---	40.12	5.50	34.62	---	1.3
S-6	05/31/2001	---	---	---	---	---	---	---	---	---	---	---	40.12	5.52	34.60	---	1.2
S-6	08/15/2001	6,000	160	9.1	5.8	24	---	51	---	---	---	---	40.12	6.04	34.08	---	0.4
S-6	12/31/2001	6,900	120	12	6.6	24	---	44	---	---	---	---	40.12	5.52	34.60	---	0.4
S-6	02/06/2002	4,300	110	7.3	4.8	18	---	39	---	---	---	---	40.12	6.34	33.78	---	0.5
S-6	06/04/2002	4,300	140	8.4	4.9	22	---	26	---	---	---	---	40.12	6.19	33.93	---	0.4
S-6	07/25/2002	3,900	140	9.0	5.5	23	---	31	---	---	---	---	39.92	6.05	33.87	---	0.7
S-6	11/27/2002	5,200	160	9.6	4.9	24	---	26	---	---	---	---	39.92	6.26	33.66	---	---
S-6	01/30/2003	4,700	200	9.6	5.5	25	---	30	---	---	---	---	39.92	5.73	34.19	---	---
S-6	06/03/2003	3,900	160	10	<10	25	---	30	---	---	---	---	39.92	5.52	34.40	---	---
S-6	08/08/2003	2,900	150	8.8	3.6	18	---	18	---	---	---	---	39.92	6.14	33.78	---	---
S-6	11/13/2003	8,300	220	19	11	35	---	28	---	---	---	---	39.92	5.85	34.07	---	---
S-6	02/04/2004	7,400	310	17	10	31	---	30	---	---	---	---	39.92	5.51	34.41	---	---
S-6	05/12/2004	4,000	230	10	5.5	24	---	21	---	---	---	---	39.92	6.10	33.82	---	---
S-6	08/23/2004	6,000	260	16	9.0	32	---	19	---	---	---	---	39.92	6.38	33.54	---	---
S-6	12/01/2004	9,600	280	23	11	47	---	24	---	---	---	---	39.92	6.41	33.51	---	---
S-6	02/07/2005	7,100	300	14	8.4	35	---	21	---	---	---	---	39.92	5.94	33.98	---	---
S-6	05/02/2005	6,100	250	12	8.1	30	---	16	---	---	---	---	39.92	5.90	34.02	---	---
S-6	08/04/2005	5,200	180	13	8.0	31	---	15	---	---	---	---	39.92	6.67	33.25	---	---
S-6	11/16/2005	9,950	147	15.3	9.82	32.3	---	10.8	---	---	---	---	39.92	6.64	33.28	---	---
S-6	03/02/2006	2,400	72	9.2	7.0	21	---	6.4	---	---	---	---	39.92	5.92	34.00	---	---
S-6	05/31/2006	9,460	182	13.6	8.80	33.5	---	11.4 i	---	---	---	---	39.92	6.28	33.64	---	---
S-6	08/29/2006	8,840	108	26.6	12.4	37.7	---	10.1	---	---	---	---	39.92	7.19	32.73	---	---
S-6	12/06/2006	4,900	130	17	8.2	35	---	9.4	---	---	---	---	39.92	7.06	32.86	---	---
S-6	01/30/2007	4,500	100	22	12	38	---	8.1	---	---	---	---	39.92	6.94	32.98	---	---
S-6	05/15/2007	6,900 j	120	9.2	6.7	27.6	---	6.4	---	---	---	---	39.92	6.30	33.62	---	---
S-6	08/29/2007	9,300 j	110	30	14	52	---	6.4	<50	5.3 l	<10	<10	39.92	7.27	32.65	---	---
S-6	11/29/2007	4,300 j	110	19 m	14	53	---	8.7	---	---	---	---	39.92	6.87	33.05	---	---

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, 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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)
S-6	02/21/2008	5,600 j	110	8.6	5.0	28.3	---	6.4	---	---	---	---	39.92	5.75	34.17	---	---
S-6	05/06/2008	5,900	110	12	7.5	30.1	---	<1.0	---	---	---	---	39.92	6.60	33.32	---	---
S-6	08/27/2008	6,200	58	15	7.0	27.9	---	<2.0	---	---	---	---	39.92	7.40	32.52	---	---
S-6	11/24/2008	6,100	80	20	12	40	---	<2.0	---	---	---	---	39.92	7.30	32.62	---	---
S-6	11/24/2008	6,100	80	20	12	40	---	<2.0	---	---	---	---	39.92	7.30	32.62	---	---
S-6	01/28/2009	5,300	80	10	6.3	26	---	<1.0	---	---	---	---	39.92	6.61	33.31	---	---
S-6	05/26/2009	6,600	130	6.6	4.4	21	---	4.9	---	---	---	---	39.92	6.70	33.22	---	---
S-6	11/24/2009	6,200	69	13	8.4	32	---	4.5	---	---	---	---	39.92	7.03	32.89	---	---
S-6	05/26/2010	5,100	130	8.3	4.8	27	---	6.1	---	---	---	---	39.92	6.24	33.68	---	---
S-6	11/30/2010	5,500	74	10	6.2	32	---	5.6	---	---	---	---	39.92	6.12	33.80	---	---
S-6	05/11/2011	8,900	73	7.8	6.8	31	---	4.2	---	---	---	---	39.92	6.30	33.62	---	---
S-6	11/28/2011	3,300	74.1	7.49	5.33	30.0	---	4.17	---	---	---	---	39.92	6.45	33.47	---	---
S-7	05/13/1991	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	40.10	10.56	29.54	---	---
S-7	08/23/1991	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	40.10	11.16	28.94	---	---
S-7	11/07/1991	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	40.10	11.48	28.62	---	---
S-7	01/28/1992	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	40.10	10.72	29.38	---	---
S-7	05/06/1992	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	40.10	10.34	29.76	---	---
S-7	08/26/1992	160	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	40.10	11.13	28.97	---	---
S-7	10/28/1992	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	40.10	11.52	28.58	---	---
S-7	01/19/1993	50	1.1	0.60	1.9	9.2	---	---	---	---	---	---	40.10	8.68	31.42	---	---
S-7	04/29/1993	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	40.10	9.90	30.20	---	---
S-7	07/22/1993	Well inaccessible		---	---	---	---	---	---	---	---	---	40.10	---	---	---	---
S-7	10/21/1993	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	40.10	11.10	29.00	---	---
S-7	01/04/1994	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	40.10	10.40	29.70	---	---
S-7	04/13/1994	<50	1.4	0.61	<0.50	0.64	---	---	---	---	---	---	40.10	10.20	29.90	---	---
S-7 (D)	04/13/1994	<50	1.4	0.61	<0.50	0.66	---	---	---	---	---	---	40.10	10.20	29.90	---	---
S-7	07/25/1994	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	40.10	10.48	29.62	---	---
S-7 a	10/10/1994	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	40.10	10.64	29.46	---	---
S-7	01/26/1995	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	40.10	7.75	32.35	---	4.6
S-7	04/21/1995	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	40.10	8.51	31.59	---	---
S-7	07/28/1995	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	40.10	10.20	29.90	---	3
S-7	10/31/1995	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	40.10	10.86	29.24	---	4.9

**GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, 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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)
S-7	01/10/1996	<50	<0.50	2.0	<0.50	2.6	---	---	---	---	---	---	40.10	10.33	29.77	---	7.6
S-7	04/25/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	40.10	9.13	30.97	---	6.2
S-7	07/23/1996	<50	<0.50	<0.50	<0.50	<0.50	14	---	---	---	---	---	40.10	10.18	29.92	---	3.7
S-7	12/10/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	40.10	9.04	31.06	---	4.6
S-7	02/20/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	40.10	9.60	30.50	---	5
S-7	05/22/1997	<50	1.3	<0.50	<0.50	<0.50	5.5	---	---	---	---	---	40.10	10.63	29.47	---	0.8
S-7	08/22/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	40.10	10.95	29.15	---	2.6
S-7	11/03/1997	<50	2.2	1.7	0.58	3.4	<2.5	---	---	---	---	---	40.10	11.29	28.81	---	2.6
S-7	02/20/1998	350	23	13	14	42	3.8	---	---	---	---	---	40.10	7.73	32.37	---	4.6
S-7	05/18/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	40.10	10.29	29.81	---	4.4
S-7	08/20/1998	Well inaccessible	---	---	---	---	---	---	---	---	---	---	40.10	11.00	29.10	---	5.4
S-7	11/06/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	40.10	11.19	28.91	---	5.2
S-7	02/16/1999	Well inaccessible	---	---	---	---	---	---	---	---	---	---	40.10	---	---	---	---
S-7	05/28/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	---	---	---	---	---	40.10	9.76	30.34	---	2.7
S-7	08/24/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	40.10	10.61	29.49	---	2.1
S-7	11/16/1999	<50.0	<0.500	<0.500	<0.500	<0.500	3.68	---	---	---	---	---	40.10	10.90	29.20	---	2.3
S-7	02/02/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	---	---	---	---	---	40.10	10.30	29.80	---	2.1
S-7	05/09/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	40.10	10.25	29.85	---	2.7
S-7	08/03/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	40.10	10.65	29.45	---	2.5
S-7	11/15/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	40.10	10.53	29.57	---	4.6
S-7	02/14/2001	Well inaccessible	---	---	---	---	---	---	---	---	---	---	40.10	---	---	---	---
S-7	05/31/2001	<50	<0.50	<0.50	<0.50	0.77	---	4.6	---	---	---	---	40.10	9.46	30.64	---	2.1
S-7	08/15/2001	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	40.10	10.93	29.17	---	2.0
S-7	12/31/2001	<50	<0.50	<0.50	<0.50	<0.50	---	6.0	---	---	---	---	40.10	9.14	30.96	---	3.0
S-7	02/06/2002	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	40.10	8.61	31.49	---	3.2
S-7	06/04/2002	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	40.10	10.41	29.69	---	0.9
S-7	07/25/2002	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	39.91	10.37	29.54	---	1.1
S-7	11/27/2002	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	39.91	10.52	29.39	---	---
S-7	01/30/2003	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	39.91	9.38	30.53	---	---
S-7	06/03/2003	<50	<0.50	<0.50	<0.50	<1.0	---	0.72	---	---	---	---	39.91	10.18	29.73	---	---
S-7	08/08/2003	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	39.91	10.43	29.48	---	---
S-7	11/13/2003	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	39.91	10.39	29.52	---	---
S-7	02/04/2004	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	39.91	9.17	30.74	---	---

**GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, 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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)
S-7	05/12/2004	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	39.91	10.20	29.71	---	---
S-7	08/23/2004	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	39.72 f	10.53	29.19	---	---
S-7	12/01/2004	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	39.72	10.36	29.36	---	---
S-7	02/07/2005	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	39.72	8.78	30.94	---	---
S-7	05/02/2005	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	39.72	9.46	30.26	---	---
S-7	08/04/2005	Well paved over		---	---	---	---	---	---	---	---	---	---	---	---	---	---
S-8	05/10/2004	---	---	---	---	---	---	---	---	---	---	---	40.52	10.85	29.67	---	---
S-8	05/12/2004	<1,300	<13	<13	<13	<25	---	2,500	---	---	---	---	40.52	10.95	29.57	---	---
S-8	08/23/2004	1,300	15	<13	<13	<25	---	2,500	570	<50	<50	<50	40.52	11.40	29.12	---	---
S-8	12/01/2004	1,400 g	<13	<13	<13	<25	---	2,700	---	---	---	---	40.52	11.10	29.42	---	---
S-8	02/07/2005	6,400	240	27	290	100	---	370	---	---	---	---	40.52	10.22	30.30	---	---
S-8	05/02/2005	6,300	160	25	200	74	---	190	---	---	---	---	40.52	10.05	30.47	---	---
S-8	08/04/2005	2,500	130	7.5	<6.0	14	---	290	92	<8.0	<8.0	<8.0	40.52	10.88	29.64	---	---
S-8	11/16/2005	27,700	43.2	4.36	637	1,200	---	638	---	---	---	---	40.52	11.28	29.24	---	---
S-8	03/02/2006	9,900	160	13	490	530	---	110	---	---	---	---	40.52	8.85	31.67	---	---
S-8	05/31/2006	14,300	270	53.1	283	246	---	102 i	---	---	---	---	40.52	10.34	30.18	---	---
S-8	08/29/2006	14,700	107	9.42	196	195	---	278	36.1	<0.500	<0.500	<0.500	40.52	11.17	29.35	---	---
S-8	12/06/2006	7,800	150	8.6	120	110	---	200	---	---	---	---	40.52	11.21	29.31	---	---
S-8	01/30/2007	7,500	220	18	180	96	---	170	---	---	---	---	40.52	10.72	29.80	---	---
S-8	05/15/2007	9,600 j	---	24	160	112	---	130	---	---	---	---	40.52	10.50	30.02	---	---
S-8	08/29/2007	---	---	---	---	---	---	---	---	---	---	---	40.52	11.44	29.11	0.04	---
S-8	08/30/2007	6,100 j	35	2.7	140	234	---	170	820	<4.0	<4.0	<4.0	40.52	11.37	29.25	0.13	---
S-8	09/25/2007	---	---	---	---	---	---	---	---	---	---	---	40.52	11.56	29.22	0.32	---
S-8	10/29/2007	---	---	---	---	---	---	---	---	---	---	---	40.52	11.23	29.50	0.26	---
S-8	11/29/2007	---	---	---	---	---	---	---	---	---	---	---	40.52	11.08	29.60	0.20	---
S-8	12/11/2007	---	---	---	---	---	---	---	---	---	---	---	40.52	10.61	30.03	0.15	---
S-8	01/24/2008	---	---	---	---	---	---	---	---	---	---	---	40.52	9.61	30.97	0.08	---
S-8	02/21/2008	---	---	---	---	---	---	---	---	---	---	---	40.52	9.11	31.43	0.03	---
S-8	03/20/2008	---	---	---	---	---	---	---	---	---	---	---	40.52	10.22	30.40	0.12	---
S-8	04/30/2008	---	---	---	---	---	---	---	---	---	---	---	40.52	10.91	29.67	0.07	---
S-8	05/06/2008	---	---	---	---	---	---	---	---	---	---	---	40.52	10.50	30.05	0.04	---
S-8	06/04/2008	---	---	---	---	---	---	---	---	---	---	---	40.52	11.34	29.24	0.07	---

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, 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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)
S-8	07/29/2008	---	---	---	---	---	---	---	---	---	---	---	40.52	11.83	28.71	0.03	---
S-8	08/27/2008	---	---	---	---	---	---	---	---	---	---	---	40.52	11.40	29.14	0.03	---
S-8	09/30/2008	---	---	---	---	---	---	---	---	---	---	---	40.52	12.08	28.46	0.03	---
S-8	10/31/2008	---	---	---	---	---	---	---	---	---	---	---	40.52	11.35	29.37	0.25	---
S-8	11/24/2008	---	---	---	---	---	---	---	---	---	---	---	40.52	10.79	29.89	0.20	---
S-8	12/30/2008	---	---	---	---	---	---	---	---	---	---	---	40.52	8.90	31.75	0.16	---
S-8	01/14/2009	---	---	---	---	---	---	---	---	---	---	---	40.52	9.87	30.83	0.22	---
S-8	01/28/2009	---	---	---	---	---	---	---	---	---	---	---	40.52	9.52	31.10	0.13	---
S-8	03/31/2009	---	---	---	---	---	---	---	---	---	---	---	40.52	8.56	32.11	0.19	---
S-8	04/21/2009	---	---	---	---	---	---	---	---	---	---	---	40.52	8.90	31.75	0.16	---
S-8	05/26/2009	---	---	---	---	---	---	---	---	---	---	---	40.52	9.04	31.57	0.11	---
S-8	06/30/2009	---	---	---	---	---	---	---	---	---	---	---	40.52	10.28	30.32	0.10	---
S-8	07/23/2009	---	---	---	---	---	---	---	---	---	---	---	40.52	10.37	30.25	0.13	---
S-8	08/31/2009	---	---	---	---	---	---	---	---	---	---	---	40.52	10.78	29.80	0.08	---
S-8	11/24/2009	---	---	---	---	---	---	---	---	---	---	---	40.52	9.73	30.84	0.06	---
S-8	05/26/2010	59,000	150	32	2,100	4,400	---	78	---	---	---	---	40.52	7.59	32.93	0.00	---
S-8	11/30/2010	---	---	---	---	---	---	---	---	---	---	---	40.52	8.34	32.23	0.06	---
S-8	02/10/2011	---	---	---	---	---	---	---	---	---	---	---	40.52	8.28	32.30	0.08	---
S-8	05/11/2011	---	---	---	---	---	---	---	---	---	---	---	40.52	8.39	32.15	0.02	---
S-8	08/10/2011	---	---	---	---	---	---	---	---	---	---	---	40.52	8.72	31.81	0.01	---
S-8	11/28/2011	25,000	169	11.8	874	1,170	---	101	<10.0	<0.500	<0.500	<0.500	40.52	8.97	31.55	---	---
S-9	05/10/2004	---	---	---	---	---	---	---	---	---	---	---	39.72	10.34	29.38	---	---
S-9	05/12/2004	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	39.72	10.42	29.30	---	---
S-9	08/23/2004	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	39.72	11.32	28.40	---	---
S-9	12/01/2004	Unable to locate		---	---	---	---	---	---	---	---	---	39.72	---	---	---	---
S-9	02/07/2005	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	39.72	8.74	30.98	---	---
S-9	05/02/2005	Well inaccessible		---	---	---	---	---	---	---	---	---	39.72	---	---	---	---
S-9	08/04/2005	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	39.72	8.79	30.93	---	---
S-9	11/16/2005	<50.0	<0.500	<0.500	<0.500	<0.500	---	<0.500	---	---	---	---	39.72	10.30	29.42	---	---
S-9	03/02/2006	<50	<0.50	<0.50	<0.50	<0.50	---	<0.50	---	---	---	---	39.72	5.86	33.86	---	---
S-9	05/31/2006	<50.0	<0.500	<0.500	<0.500	0.540	---	<0.500	---	---	---	---	39.72	9.85	29.87	---	---
S-9	08/29/2006	<50.0	<0.500	<0.500	<0.500	<0.500	---	<0.500	---	---	---	---	39.72	10.75	28.97	---	---

**GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, 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)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)
S-9	12/06/2006	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	39.72	10.60	29.12	---	---
S-9	01/30/2007	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	39.72	10.45	29.27	---	---
S-9	05/15/2007	61 g,j	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	39.72	10.15	29.57	---	---
S-9	08/29/2007	71 j	<0.50	<1.0	1.3	2.1	---	<1.0	<10	<2.0	<2.0	<2.0	39.72	10.96	28.76	---	---
S-9	11/29/2007	Well inaccessible		---	---	---	---	---	---	---	---	---	39.72	---	---	---	---
S-9	02/21/2008	<50 j	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	39.72	7.36	32.36	---	---
S-9	05/06/2008	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	39.72	10.49	29.23	---	---
S-9	08/27/2008	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	39.72	11.19	28.53	---	---
S-9	11/24/2008	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	39.72	10.91	28.81	---	---
S-9	01/28/2009	Well inaccessible		---	---	---	---	---	---	---	---	---	39.72	---	---	---	---
S-9	05/26/2009	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	39.72	10.20	29.52	---	---
S-9	11/24/2009	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	39.72	10.52	29.20	---	---
S-9	05/26/2010	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	39.72	7.09	32.63	---	---
S-9	11/30/2010	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	39.72	7.42	32.30	---	---
S-9	05/11/2011	Well inaccessible		---	---	---	---	---	---	---	---	---	39.72	---	---	---	---
S-9	11/28/2011	Well inaccessible		---	---	---	---	---	---	---	---	---	39.72	---	---	---	---
S-9	12/02/2011	<50	<0.500	<0.500	<0.500	<0.500	---	<0.500	---	---	---	---	39.72	8.80	30.92	---	---

Notes:

TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B; prior to May 31, 2001, analyzed by EPA Method 8015 unless otherwise noted.

BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B; prior to May 31, 2001, analyzed by EPA Method 8020.

MTBE = Methyl tertiary-butyl ether analyzed by method 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

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

SPH = Separate-phase hydrocarbon

GW = Groundwater

DO = Dissolved oxygen

µg/L = Micrograms per liter

ft = Feet

MSL = Mean sea level

**GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
999 SAN PABLO AVENUE, ALBANY, CALIFORNIA**

<i>Well ID</i>	<i>Date</i>	<i>TPHg</i> ($\mu\text{g/L}$)	<i>B</i> ($\mu\text{g/L}$)	<i>T</i> ($\mu\text{g/L}$)	<i>E</i> ($\mu\text{g/L}$)	<i>X</i> ($\mu\text{g/L}$)	<i>MTBE</i> 8020 ($\mu\text{g/L}$)	<i>MTBE</i> 8260 ($\mu\text{g/L}$)	<i>TBA</i> ($\mu\text{g/L}$)	<i>DIPE</i> ($\mu\text{g/L}$)	<i>ETBE</i> ($\mu\text{g/L}$)	<i>TAME</i> ($\mu\text{g/L}$)	<i>TOC</i> (ft MSL)	<i>Depth to</i> <i>Water</i> (ft TOC)	<i>GW</i> <i>Elevation</i> (ft MSL)	<i>SPH</i> <i>Thickness</i> (ft)	<i>DO</i> <i>Reading</i> (mg/L)
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mg/L = Milligrams per liter

<x = Not detected at reporting limit x

--- = Not analyzed or not available

(D) = Duplicate sample

a = Sample analyzed for total dissolved solids (450 mg/L).

e = Concentration is an estimated value above the linear quantitation range.

f = TOC lowered 0.19 feet due to wellhead maintenance.

g = Hydrocarbon reported does not match the laboratory standard.

i = Secondary ion abundances were outside method requirements. Identification based on analytical judgment.

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

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

m = Analyte was present in the associated method blank.

When SPHs are present, GW elevation is adjusted using the relation:

Corrected GW elevation = TOC - depth to water + (0.8 x hydrocarbon thickness).

Since April 2002 well S-5 has been monitored by Arco.

Prior to July 25, 2002 depth to water referenced to top of well box.

Site wells surveyed January 9, 2002 by Virgil Chavez Land Surveying

Wells S-8 and S-9 surveyed May 11, 2004 by Virgil Chavez Land Surveying

APPENDIX A

BLAINE TECH SERVICES, INC. -
FIELD NOTES

SHELL WELL MONITORING DATA SHEET

BTS #: 110810-PH1	Site: 98996143
Sampler: PH	Date: 8/10/01
Well I.D.: 5-8	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): -	Depth to Water (DTW): 8.72
Depth to Free Product: 8.71	Thickness of Free Product (feet): 0.01
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]:	

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: _____

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

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
						0.01 ft of Product detected w/ Interface. Probe
						~25 mL of Product removed from well
						Removed 2 socks from well - Total weight = 0.63 Kg (1.40 lbs)
						Installed 2 new socks into well - Total weight = 0.27 Kg (0.60 lbs)

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: _____ Sampling Time: _____ Depth to Water: _____

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

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

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

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

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

WELL GAUGING DATA

Project # 11128-DW1 Date 11/28/11 Client Shell

Site 999 San Pablo Ave, Albany

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 <u>TOC</u>	Notes
S-1	0910	3					7.97	11.40	↓	
S-2	0920	3				7.70	11.75			
S-3	0915	3				7.84	11.93			
S-4	1000	3				7.00	13.70	Christy Box		
S-6	1021	3				6.45	14.74	Christy Box		
S-7	—	—	—	—	—	—	—	—		parked over
S-8	0930	4	odor				8.97	15.75		
S-9	—	—	—	—	—	—	—	—		↓ parked over

SHELL WELL MONITORING DATA SHEET

BTS #: 11128-DW1	Site: 999 San Pablo Ave, Albany
Sampler: DW	Date: 11/28/11
Well I.D.: S-3	Well Diameter: 2 (3) 4 6 8
Total Well Depth (TD): 11.93	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]: 8.66	

Purge Method: Bailer Disposable Bailer Positive Air Displacement Electric Submersible	Waterra Peristaltic Extraction Pump Other _____	Sampling Method: Bailer Disposable Bailer Extraction Port Dedicated Tubing Other: _____
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1.5 (Gals.) X	3	= 4.5 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)	Turbidity (NTUs)	Gals. Removed	Observations
1129	60.0	6.73	517.6	71000	1.5	
1129		well	dewatered @		1.6	
1235	66.4	6.96	592.2	61		

Did well dewater? Yes No Gallons actually evacuated: 1.6

Sampling Date: 11/28/11 Sampling Time: 1235 Depth to Water: 7.90

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 111128-DW1	Site: 999 San Pablo Ave, Albany
Sampler: DW	Date: 11/28/11
Well I.D.: S-4	Well Diameter: 2 (3) 4 6 8
Total Well Depth (TD): 13.70	Depth to Water (DTW): 13.70 ^{DW} 7.00
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]: 8.34	

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: _____
---	--	--

$2.4 \text{ (Gals.)} \times 3 = 7.2 \text{ Gals.}$ 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><u>0.37</u></td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	<u>0.37</u>	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	<u>0.37</u>	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
1005	66.6	6.51	364	6.94	2.4	
1005			well dewatered @ 3.0 gals			
1010	66.2	6.43	337	6.71		

Did well dewater? Yes No Gallons actually evacuated: 3.0

Sampling Date: 11/28/11 Sampling Time: 1010 Depth to Water: 11.20 (sampled due to heavy traffic)

Sample I.D.: S-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 #: 111128-DW1	Site: 999 San Pablo Ave, Albany
Sampler: DW	Date: 11/28/11
Well I.D.: S-6	Well Diameter: 2 <u>3</u> 4 6 8
Total Well Depth (TD): 14.74	Depth to Water (DTW): 14.74 ^{aw} 6.45
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]: 8.11	

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: _____
---	--	--

3.1 (Gals.) X	3	= 9.3 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 <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
1021	62.5	6.26	902.6	71000	3.1	
						well dewatered @ 3.5 gals
1030	65.0	6.70	904.7	71000		

Did well dewater? Yes No Gallons actually evacuated: 3.5

Sampling Date: 11/28/11 Sampling Time: 1030 Depth to Water: 12.61 (sampled due to heavy traffic)

Sample I.D.: S-6 Laboratory: Test America Other _____

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 11128-DW1	Site: 999 San Pablo Ave, Albany
Sampler: DW	Date: 11/28/11
Well I.D.: S-7	Well Diameter: 2 3 4 6 8
Total Well Depth (TD):	Depth to Water (DTW):
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

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

_____ (Gals.) X _____ = _____ 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 µS)	Turbidity (NTUs)	Gals. Removed	Observations
						WELL PAVED OVER

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: _____ Sampling Time: _____ Depth to Water: _____

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

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

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

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

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

O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV
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SHELL WELL MONITORING DATA SHEET

BTS #: 111128-DW1	Site: 999 San Pablo Ave, Albany
Sampler: DW	Date: 11/28/11
Well I.D.: S-8	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 15.75	Depth to Water (DTW): 8.97
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]: 10.33	

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

4.4 (Gals.) X 3 = 13.2 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 <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
1210	65.8	6.86	568.4	85	4.4	
1211		well	dewatered @		5.4 gals	
			* removed 2 Socks from well; total weight: 1.01kg (2.22lb)			
			* installed 2 Socks into well; total weight: 0.29kg (0.62lb)			
1415	66.0	6.69	616.3	38	—	

Did well dewater? Yes No Gallons actually evacuated: 5.4

Sampling Date: 11/28/11 Sampling Time: 1415 Depth to Water: 11.96 (2hr)

Sample I.D.: S-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 #: 11128-DW1	Site: 999 San Pablo Ave, Albany
Sampler: PVV	Date: 11/28/11
Well I.D.: 5.9	Well Diameter: 2 3 4 6 8
Total Well Depth (TD): _____	Depth to Water (DTW): _____
Depth to Free Product: _____	Thickness of Free Product (feet): _____
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

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

Other: _____

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

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
						Well parked over
						unable to access, no sample taken

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: _____ Sampling Time: _____ Depth to Water: _____

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

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

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

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

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

INCIDENT # 98998143
 DATE: 11/28/11

ADDRESS 999 San Pablo Ave
 CITY & STATE Albany CA

Well ID	Manway Cover, Type, Condition & Size				Observations Upon Arrival								Detailed Explanation of Maintenance Recommended and Performed	Photos of Well Condition	Repair Date and PM Initials		
					Well Labeled / Painted Properly*		Well Gap (Gripper) Condition		Well Lock Condition			Well Pad / Surface Condition					
S-1	Standpipe	Flush	G	P	Size (inch) 12	Y	N	G	R	G	R	NL	G	P	1/2 tebs stripped	Y	N
S-2	Standpipe	Flush	G	P	Size (inch) 12	Y	N	G	R	G	R	NL	G	P		Y	N
S-3	Standpipe	Flush	G	P	Size (inch) 12	Y	N	G	R	G	R	NL	G	P		Y	N
S-4	Standpipe	Flush	G	P	Size (inch) 12	Y	N	G	R	G	R	NL	G	P	Christy Box	Y	N
S-6	Standpipe	Flush	G	P	Size (inch) 12	Y	N	G	R	G	R	NL	G	P	Christy Box	Y	N
S-7	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P	paved over	Y	N
S-8	Standpipe	Flush	G	P	Size (inch) 12	Y	N	G	R	G	R	NL	G	P		Y	N
S-9	Standpipe	Flush	G	P	Size (inch) 12	Y	N	G	R	G	R	NL	G	P	parked over	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 =						1		TOTAL # OF LOCKS REPLACED						1			
Condition of Soil Boring Patches of 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		G			G			G		Y						Y	N
Building		G			G			G		Y						Y	N
Building w/ Fence Comp.		G			G			G		Y						Y	N
Fenced Compound		G			G			G		Y						Y	N
Trailer		G			G			G		Y						Y	N
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
2	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 2009

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

Daniel Allen, Blaine Tech Services
 Print or Type Name of Field Personnel & Consultant Company

SHELL WELL MONITORING DATA SHEET

BTS #: <u>111202-DW1</u>	Site: <u>999 San Pablo Ave</u>
Sampler: <u>DW</u>	Date: <u>12/2/11</u>
Well I.D.: <u>S-9</u>	Well Diameter: <u>(2)</u> 3 4 6 8
Total Well Depth (TD): <u>15.81</u>	Depth to Water (DTW): <u>8.80</u>
Depth to Free Product: <u>—</u>	Thickness of Free Product (feet): <u>—</u>
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>10.20</u>	

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

$1.1 \text{ (Gals.)} \times 3 = 3.3 \text{ Gals.}$	<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														
1 Case Volume	Specified Volumes	Calculated Volume															

Time	Temp (°F)	pH	Cond. (mS or <u>μS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
<u>0820</u>	<u>65.3</u>	<u>6.54</u>	<u>464.2</u>	<u>252</u>	<u>1.1</u>	
<u>0820</u>	<u>65.9</u>	<u>6.69</u>	<u>449.0</u>	<u>228</u>	<u>2.2</u>	
<u>0821</u>	<u>65.6</u>	<u>6.78</u>	<u>449.6</u>	<u>219</u>	<u>3.3</u>	<u>DTW=14.14</u>

Did well dewater? Yes No Gallons actually evacuated: 3.3

Sampling Date: 12/2/11 Sampling Time: 0945 Depth to Water: 10.13

Sample I.D.: S-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

INCIDENT # 98995143

ADDRESS

999 San Pablo Ave

DATE: 12/2/11

CITY & STATE

Albany, CA

Well ID	Manway Cover, Type, Condition & Size					Observations Upon Arrival								Detailed Explanation of Maintenance Recommended and Performed	Photos of Well Condition		Repair Date and PM Initials					
						Well Labeled / Painted Properly		Well Cap (Gripper) Condition		Well Lock Condition			Well Pad / Surface Condition									
S-9	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					
	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		G			G			G			Y						Y					
Building		G			G			G			Y						Y		N			
Building w/ Fence Comp.		G			G			G			Y						Y		N			
Fenced Compound		G			G			G			Y						Y		N			
Trailer		G			G			G			Y						Y		N			
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
2		Y			Y			G			Y			Y						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).

Daniel Allen, Blaine Tech Services

Print or type Name of Field Personnel & Consultant Company

APPENDIX B

TEST AMERICA -
LABORATORY REPORTS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Road
Nashville, TN 37204
Tel: 800-765-0980

TestAmerica Job ID: NVL0146
Client Project/Site: SAP 135037
Client Project Description: 999 San Pablo Avenue, Albany, CA

For:
Conestoga-Rovers & Assoc. (Emeryville) / SHELL
5900 Hollis Street, Suite A
Emeryville, CA 94608

Attn: Peter Schaefer



Authorized for release by:
12/13/2011 6:47:51 PM

Ryan Fitzwater
Project Manager
Ryan.Fitzwater@testamericainc.com

LINKS

Review your project
results through

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**Ask
The
Expert**

Visit us at:

www.testamericainc.com

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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Certification Summary	25
Chain of Custody	26

Sample Summary

Client: Conestoga-Rovers & Assoc. (Emeryville) / SHELL
Project/Site: SAP 135037

TestAmerica Job ID: NVL0146

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NVL0146-01	WG-111128-DW1-112811-DW-S-1	Ground Water	11/28/11 13:25	12/01/11 14:00
NVL0146-02	WG-111128-DW1-112811-DW-S-2	Ground Water	11/28/11 13:50	12/01/11 14:00
NVL0146-03	WG-111128-DW1-112811-DW-S-3	Ground Water	11/28/11 12:35	12/01/11 14:00
NVL0146-04	WG-111128-DW1-112811-DW-S-4	Ground Water	11/28/11 10:10	12/01/11 14:00
NVL0146-05	WG-111128-DW1-112811-DW-S-6	Ground Water	11/28/11 10:30	12/01/11 14:00
NVL0146-06	WG-111128-DW1-112811-DW-S-8	Ground Water	11/28/11 14:15	12/01/11 14:00

Case Narrative

Client: Conestoga-Rovers & Assoc. (Emeryville) / SHELL
Project/Site: SAP 135037

TestAmerica Job ID: NVL0146

Job ID: NVL0146

Laboratory: TestAmerica Nashville

Narrative

All samples were received in good condition, properly preserved, and properly labeled. All analyses were completed within holding times. There were no relevant protocol specific QC and/or performance standard non-conformances to report with the following exceptions:

No 8260B BTEX + Oxygenates(5) matrix spike or matrix spike duplicate analyzed for batch 11L1282 due to insufficient sample volume. See blank spike.

NELAC Certification

NELAC certifications are not held for the following analytes included in this report:

<u>Method</u>	<u>Matrix</u>	<u>Analyte</u>
CA LUFT GC/MS	Water	Gasoline Range Organics

Definitions/Glossary

Client: Conestoga-Rovers & Assoc. (Emeryville) / SHELL
Project/Site: SAP 135037

TestAmerica Job ID: NVL0146

Qualifiers

GCMS Volatiles

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

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
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Conestoga-Rovers & Assoc. (Emeryville) / SHELL
 Project/Site: SAP 135037

TestAmerica Job ID: NVL0146

Client Sample ID: WG-111128-DW1-112811-DW-S-1

Lab Sample ID: NVL0146-01

Date Collected: 11/28/11 13:25

Matrix: Ground Water

Date Received: 12/01/11 14:00

Method: CA LUFT GC/MS - Purgeable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	56		50		ug/L		12/02/11 09:20	12/02/11 23:24	1.0
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	99		70 - 130				12/02/11 09:20	12/02/11 23:24	1.0
Dibromofluoromethane	98		70 - 130				12/02/11 09:20	12/02/11 23:24	1.0
Toluene-d8	102		70 - 130				12/02/11 09:20	12/02/11 23:24	1.0
4-Bromofluorobenzene	99		70 - 130				12/02/11 09:20	12/02/11 23:24	1.0

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.500		ug/L		12/02/11 09:20	12/02/11 23:24	1.00
Ethylbenzene	ND		0.500		ug/L		12/02/11 09:20	12/02/11 23:24	1.00
Methyl tert-Butyl Ether	ND		0.500		ug/L		12/02/11 09:20	12/02/11 23:24	1.00
Toluene	ND		0.500		ug/L		12/02/11 09:20	12/02/11 23:24	1.00
Xylenes, total	ND		0.500		ug/L		12/02/11 09:20	12/02/11 23:24	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	104		70 - 130				12/02/11 09:20	12/02/11 23:24	1.00
Dibromofluoromethane	103		70 - 130				12/02/11 09:20	12/02/11 23:24	1.00
Toluene-d8	97		70 - 130				12/02/11 09:20	12/02/11 23:24	1.00
4-Bromofluorobenzene	96		70 - 130				12/02/11 09:20	12/02/11 23:24	1.00

Client Sample Results

Client: Conestoga-Rovers & Assoc. (Emeryville) / SHELL
 Project/Site: SAP 135037

TestAmerica Job ID: NVL0146

Client Sample ID: WG-111128-DW1-112811-DW-S-2

Lab Sample ID: NVL0146-02

Date Collected: 11/28/11 13:50

Matrix: Ground Water

Date Received: 12/01/11 14:00

Method: CA LUFT GC/MS - Purgeable Petroleum Hydrocarbons - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	4800		500		ug/L		12/02/11 09:20	12/09/11 07:39	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	99		70 - 130				12/02/11 09:20	12/09/11 07:39	10
Dibromofluoromethane	100		70 - 130				12/02/11 09:20	12/09/11 07:39	10
Toluene-d8	101		70 - 130				12/02/11 09:20	12/09/11 07:39	10
4-Bromofluorobenzene	102		70 - 130				12/02/11 09:20	12/09/11 07:39	10

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-Amyl Methyl Ether	ND		0.500		ug/L		12/02/11 09:20	12/02/11 23:50	1.00
Benzene	31.0		0.500		ug/L		12/02/11 09:20	12/02/11 23:50	1.00
Ethyl tert-Butyl Ether	ND		0.500		ug/L		12/02/11 09:20	12/02/11 23:50	1.00
Diisopropyl Ether	ND		0.500		ug/L		12/02/11 09:20	12/02/11 23:50	1.00
Ethylbenzene	5.73		0.500		ug/L		12/02/11 09:20	12/02/11 23:50	1.00
Methyl tert-Butyl Ether	143		0.500		ug/L		12/02/11 09:20	12/02/11 23:50	1.00
Toluene	2.65		0.500		ug/L		12/02/11 09:20	12/02/11 23:50	1.00
Tertiary Butyl Alcohol	ND		10.0		ug/L		12/02/11 09:20	12/02/11 23:50	1.00
Xylenes, total	7.13		0.500		ug/L		12/02/11 09:20	12/02/11 23:50	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	101		70 - 130				12/02/11 09:20	12/02/11 23:50	1.00
Dibromofluoromethane	100		70 - 130				12/02/11 09:20	12/02/11 23:50	1.00
Toluene-d8	96		70 - 130				12/02/11 09:20	12/02/11 23:50	1.00
4-Bromofluorobenzene	99		70 - 130				12/02/11 09:20	12/02/11 23:50	1.00

Client Sample Results

Client: Conestoga-Rovers & Assoc. (Emeryville) / SHELL
 Project/Site: SAP 135037

TestAmerica Job ID: NVL0146

Client Sample ID: WG-111128-DW1-112811-DW-S-3

Lab Sample ID: NVL0146-03

Date Collected: 11/28/11 12:35

Matrix: Ground Water

Date Received: 12/01/11 14:00

Method: CA LUFT GC/MS - Purgeable Petroleum Hydrocarbons - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	1800		500		ug/L		12/02/11 09:20	12/09/11 08:05	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	101		70 - 130				12/02/11 09:20	12/09/11 08:05	10
Dibromofluoromethane	101		70 - 130				12/02/11 09:20	12/09/11 08:05	10
Toluene-d8	103		70 - 130				12/02/11 09:20	12/09/11 08:05	10
4-Bromofluorobenzene	100		70 - 130				12/02/11 09:20	12/09/11 08:05	10

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-Amyl Methyl Ether	ND		0.500		ug/L		12/02/11 09:20	12/03/11 00:17	1.00
Benzene	0.720		0.500		ug/L		12/02/11 09:20	12/03/11 00:17	1.00
Ethyl tert-Butyl Ether	ND		0.500		ug/L		12/02/11 09:20	12/03/11 00:17	1.00
Diisopropyl Ether	ND		0.500		ug/L		12/02/11 09:20	12/03/11 00:17	1.00
Ethylbenzene	ND		0.500		ug/L		12/02/11 09:20	12/03/11 00:17	1.00
Methyl tert-Butyl Ether	4.20		0.500		ug/L		12/02/11 09:20	12/03/11 00:17	1.00
Toluene	0.500		0.500		ug/L		12/02/11 09:20	12/03/11 00:17	1.00
Tertiary Butyl Alcohol	ND		10.0		ug/L		12/02/11 09:20	12/03/11 00:17	1.00
Xylenes, total	2.51		0.500		ug/L		12/02/11 09:20	12/03/11 00:17	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	101		70 - 130				12/02/11 09:20	12/03/11 00:17	1.00
Dibromofluoromethane	103		70 - 130				12/02/11 09:20	12/03/11 00:17	1.00
Toluene-d8	100		70 - 130				12/02/11 09:20	12/03/11 00:17	1.00
4-Bromofluorobenzene	101		70 - 130				12/02/11 09:20	12/03/11 00:17	1.00

Client Sample Results

Client: Conestoga-Rovers & Assoc. (Emeryville) / SHELL
 Project/Site: SAP 135037

TestAmerica Job ID: NVL0146

Client Sample ID: WG-111128-DW1-112811-DW-S-4

Lab Sample ID: NVL0146-04

Date Collected: 11/28/11 10:10

Matrix: Ground Water

Date Received: 12/01/11 14:00

Method: CA LUFT GC/MS - Purgeable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		50		ug/L		12/04/11 09:44	12/04/11 18:35	1.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	100		70 - 130	12/04/11 09:44	12/04/11 18:35	1.0
Dibromofluoromethane	100		70 - 130	12/04/11 09:44	12/04/11 18:35	1.0
Toluene-d8	103		70 - 130	12/04/11 09:44	12/04/11 18:35	1.0
4-Bromofluorobenzene	99		70 - 130	12/04/11 09:44	12/04/11 18:35	1.0

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.500		ug/L		12/04/11 09:44	12/04/11 18:35	1.00
Ethylbenzene	ND		0.500		ug/L		12/04/11 09:44	12/04/11 18:35	1.00
Toluene	ND		0.500		ug/L		12/04/11 09:44	12/04/11 18:35	1.00
Xylenes, total	ND		0.500		ug/L		12/04/11 09:44	12/04/11 18:35	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	106		70 - 130	12/04/11 09:44	12/04/11 18:35	1.00
Dibromofluoromethane	105		70 - 130	12/04/11 09:44	12/04/11 18:35	1.00
Toluene-d8	98		70 - 130	12/04/11 09:44	12/04/11 18:35	1.00
4-Bromofluorobenzene	96		70 - 130	12/04/11 09:44	12/04/11 18:35	1.00

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-Butyl Ether	4.76		0.500		ug/L		12/02/11 09:20	12/05/11 15:51	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	89		70 - 130	12/02/11 09:20	12/05/11 15:51	1.00
Dibromofluoromethane	98		70 - 130	12/02/11 09:20	12/05/11 15:51	1.00
Toluene-d8	100		70 - 130	12/02/11 09:20	12/05/11 15:51	1.00
4-Bromofluorobenzene	94		70 - 130	12/02/11 09:20	12/05/11 15:51	1.00

Client Sample Results

Client: Conestoga-Rovers & Assoc. (Emeryville) / SHELL
 Project/Site: SAP 135037

TestAmerica Job ID: NVL0146

Client Sample ID: WG-111128-DW1-112811-DW-S-6

Lab Sample ID: NVL0146-05

Date Collected: 11/28/11 10:30

Matrix: Ground Water

Date Received: 12/01/11 14:00

Method: CA LUFT GC/MS - Purgeable Petroleum Hydrocarbons - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	3300		500		ug/L		12/02/11 09:20	12/09/11 08:32	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	100		70 - 130	12/02/11 09:20	12/09/11 08:32	10
Dibromofluoromethane	100		70 - 130	12/02/11 09:20	12/09/11 08:32	10
Toluene-d8	103		70 - 130	12/02/11 09:20	12/09/11 08:32	10
4-Bromofluorobenzene	103		70 - 130	12/02/11 09:20	12/09/11 08:32	10

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	74.1		0.500		ug/L		12/04/11 09:44	12/04/11 19:01	1.00
Ethylbenzene	5.33		0.500		ug/L		12/04/11 09:44	12/04/11 19:01	1.00
Toluene	7.49		0.500		ug/L		12/04/11 09:44	12/04/11 19:01	1.00
Xylenes, total	30.0		0.500		ug/L		12/04/11 09:44	12/04/11 19:01	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	110		70 - 130	12/04/11 09:44	12/04/11 19:01	1.00
Dibromofluoromethane	106		70 - 130	12/04/11 09:44	12/04/11 19:01	1.00
Toluene-d8	96		70 - 130	12/04/11 09:44	12/04/11 19:01	1.00
4-Bromofluorobenzene	98		70 - 130	12/04/11 09:44	12/04/11 19:01	1.00

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-Butyl Ether	4.17		0.500		ug/L		12/02/11 09:20	12/05/11 16:25	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	92		70 - 130	12/02/11 09:20	12/05/11 16:25	1.00
Dibromofluoromethane	98		70 - 130	12/02/11 09:20	12/05/11 16:25	1.00
Toluene-d8	107		70 - 130	12/02/11 09:20	12/05/11 16:25	1.00
4-Bromofluorobenzene	101		70 - 130	12/02/11 09:20	12/05/11 16:25	1.00

Client Sample Results

Client: Conestoga-Rovers & Assoc. (Emeryville) / SHELL
 Project/Site: SAP 135037

TestAmerica Job ID: NVL0146

Client Sample ID: WG-111128-DW1-112811-DW-S-8

Lab Sample ID: NVL0146-06

Date Collected: 11/28/11 14:15

Matrix: Ground Water

Date Received: 12/01/11 14:00

Method: CA LUFT GC/MS - Purgeable Petroleum Hydrocarbons - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	25000		500		ug/L		12/02/11 09:20	12/05/11 23:39	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	98		70 - 130				12/02/11 09:20	12/05/11 23:39	10
Dibromofluoromethane	99		70 - 130				12/02/11 09:20	12/05/11 23:39	10
Toluene-d8	100		70 - 130				12/02/11 09:20	12/05/11 23:39	10
4-Bromofluorobenzene	104		70 - 130				12/02/11 09:20	12/05/11 23:39	10

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-Amyl Methyl Ether	ND		0.500		ug/L		12/04/11 09:44	12/04/11 19:28	1.00
Benzene	169		0.500		ug/L		12/04/11 09:44	12/04/11 19:28	1.00
Ethyl tert-Butyl Ether	ND		0.500		ug/L		12/04/11 09:44	12/04/11 19:28	1.00
Diisopropyl Ether	ND		0.500		ug/L		12/04/11 09:44	12/04/11 19:28	1.00
Toluene	11.8		0.500		ug/L		12/04/11 09:44	12/04/11 19:28	1.00
Tertiary Butyl Alcohol	ND		10.0		ug/L		12/04/11 09:44	12/04/11 19:28	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	100		70 - 130				12/04/11 09:44	12/04/11 19:28	1.00
Dibromofluoromethane	100		70 - 130				12/04/11 09:44	12/04/11 19:28	1.00
Toluene-d8	100		70 - 130				12/04/11 09:44	12/04/11 19:28	1.00
4-Bromofluorobenzene	102		70 - 130				12/04/11 09:44	12/04/11 19:28	1.00

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	874		5.00		ug/L		12/02/11 09:20	12/05/11 23:39	10.0
Methyl tert-Butyl Ether	101		5.00		ug/L		12/02/11 09:20	12/05/11 23:39	10.0
Xylenes, total	1170		5.00		ug/L		12/02/11 09:20	12/05/11 23:39	10.0
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	104		70 - 130				12/02/11 09:20	12/05/11 23:39	10.0
Dibromofluoromethane	103		70 - 130				12/02/11 09:20	12/05/11 23:39	10.0
Toluene-d8	95		70 - 130				12/02/11 09:20	12/05/11 23:39	10.0
4-Bromofluorobenzene	101		70 - 130				12/02/11 09:20	12/05/11 23:39	10.0

QC Sample Results

Client: Conestoga-Rovers & Assoc. (Emeryville) / SHELL
 Project/Site: SAP 135037

TestAmerica Job ID: NVL0146

Method: CA LUFT GC/MS - Purgeable Petroleum Hydrocarbons

Lab Sample ID: 11L0313-BLK1

Matrix: Water

Analysis Batch: U021351

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L0313_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		50		ug/L		12/01/11 17:47	12/02/11 16:18	1.0
Surrogate	%Recovery	Blank Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	97		70 - 130				12/01/11 17:47	12/02/11 16:18	1.0
Dibromofluoromethane	99		70 - 130				12/01/11 17:47	12/02/11 16:18	1.0
Toluene-d8	103		70 - 130				12/01/11 17:47	12/02/11 16:18	1.0
4-Bromofluorobenzene	98		70 - 130				12/01/11 17:47	12/02/11 16:18	1.0

Lab Sample ID: 11L0313-BS2

Matrix: Water

Analysis Batch: U021351

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11L0313_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics	500	500		ug/L		99	67 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
1,2-Dichloroethane-d4	99		70 - 130				
Dibromofluoromethane	99		70 - 130				
Toluene-d8	102		70 - 130				
4-Bromofluorobenzene	99		70 - 130				

Lab Sample ID: 11L0385-BLK1

Matrix: Water

Analysis Batch: U021609

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L0385_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		50		ug/L		12/02/11 09:20	12/09/11 04:32	1.0
Surrogate	%Recovery	Blank Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	100		70 - 130				12/02/11 09:20	12/09/11 04:32	1.0
Dibromofluoromethane	99		70 - 130				12/02/11 09:20	12/09/11 04:32	1.0
Toluene-d8	103		70 - 130				12/02/11 09:20	12/09/11 04:32	1.0
4-Bromofluorobenzene	99		70 - 130				12/02/11 09:20	12/09/11 04:32	1.0

Lab Sample ID: 11L0385-BS2

Matrix: Water

Analysis Batch: U021609

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11L0385_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics	500	370		ug/L		74	67 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
1,2-Dichloroethane-d4	101		70 - 130				
Dibromofluoromethane	100		70 - 130				
Toluene-d8	103		70 - 130				
4-Bromofluorobenzene	101		70 - 130				

QC Sample Results

Client: Conestoga-Rovers & Assoc. (Emeryville) / SHELL
 Project/Site: SAP 135037

TestAmerica Job ID: NVL0146

Method: CA LUFT GC/MS - Purgeable Petroleum Hydrocarbons (Continued)

Lab Sample ID: 11L1165-BLK1							Client Sample ID: Method Blank			
Matrix: Water							Prep Type: Total			
Analysis Batch: U021372							Prep Batch: 11L1165_P			
Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics	ND		50		ug/L		12/05/11 12:05	12/05/11 15:13	1.0	
Surrogate	Blank %Recovery	Blank Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4	98		70 - 130				12/05/11 12:05	12/05/11 15:13	1.0	
Dibromofluoromethane	99		70 - 130				12/05/11 12:05	12/05/11 15:13	1.0	
Toluene-d8	103		70 - 130				12/05/11 12:05	12/05/11 15:13	1.0	
4-Bromofluorobenzene	99		70 - 130				12/05/11 12:05	12/05/11 15:13	1.0	

Lab Sample ID: 11L1165-BS2							Client Sample ID: Lab Control Sample			
Matrix: Water							Prep Type: Total			
Analysis Batch: U021372							Prep Batch: 11L1165_P			
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics		500	560		ug/L		112	67 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits							
1,2-Dichloroethane-d4	99		70 - 130							
Dibromofluoromethane	97		70 - 130							
Toluene-d8	101		70 - 130							
4-Bromofluorobenzene	99		70 - 130							

Lab Sample ID: 11L1282-BLK1							Client Sample ID: Method Blank			
Matrix: Water							Prep Type: Total			
Analysis Batch: U021390							Prep Batch: 11L1282_P			
Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics	ND		50		ug/L		12/04/11 09:44	12/04/11 18:08	1.0	
Surrogate	Blank %Recovery	Blank Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4	100		70 - 130				12/04/11 09:44	12/04/11 18:08	1.0	
Dibromofluoromethane	102		70 - 130				12/04/11 09:44	12/04/11 18:08	1.0	
Toluene-d8	103		70 - 130				12/04/11 09:44	12/04/11 18:08	1.0	
4-Bromofluorobenzene	99		70 - 130				12/04/11 09:44	12/04/11 18:08	1.0	

Lab Sample ID: 11L1282-BS2							Client Sample ID: Lab Control Sample			
Matrix: Water							Prep Type: Total			
Analysis Batch: U021390							Prep Batch: 11L1282_P			
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics		500	480		ug/L		96	67 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits							
1,2-Dichloroethane-d4	98		70 - 130							
Dibromofluoromethane	98		70 - 130							
Toluene-d8	103		70 - 130							
4-Bromofluorobenzene	101		70 - 130							

QC Sample Results

Client: Conestoga-Rovers & Assoc. (Emeryville) / SHELL
 Project/Site: SAP 135037

TestAmerica Job ID: NVL0146

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Lab Sample ID: 11L0313-BLK1

Matrix: Water

Analysis Batch: U021351

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L0313_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-Amyl Methyl Ether	ND		0.500		ug/L		12/01/11 17:47	12/02/11 16:18	1.00
Benzene	ND		0.500		ug/L		12/01/11 17:47	12/02/11 16:18	1.00
Benzene	ND		0.500		ug/L		12/01/11 17:47	12/02/11 16:18	1.00
Ethyl tert-Butyl Ether	ND		0.500		ug/L		12/01/11 17:47	12/02/11 16:18	1.00
Diisopropyl Ether	ND		0.500		ug/L		12/01/11 17:47	12/02/11 16:18	1.00
Ethylbenzene	ND		0.500		ug/L		12/01/11 17:47	12/02/11 16:18	1.00
Ethylbenzene	ND		0.500		ug/L		12/01/11 17:47	12/02/11 16:18	1.00
Methyl tert-Butyl Ether	ND		0.500		ug/L		12/01/11 17:47	12/02/11 16:18	1.00
Methyl tert-Butyl Ether	ND		0.500		ug/L		12/01/11 17:47	12/02/11 16:18	1.00
Toluene	ND		0.500		ug/L		12/01/11 17:47	12/02/11 16:18	1.00
Tertiary Butyl Alcohol	ND		10.0		ug/L		12/01/11 17:47	12/02/11 16:18	1.00
Toluene	ND		0.500		ug/L		12/01/11 17:47	12/02/11 16:18	1.00
Xylenes, total	ND		0.500		ug/L		12/01/11 17:47	12/02/11 16:18	1.00
Xylenes, total	ND		0.500		ug/L		12/01/11 17:47	12/02/11 16:18	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	103		70 - 130	12/01/11 17:47	12/02/11 16:18	1.00
1,2-Dichloroethane-d4	103		70 - 130	12/01/11 17:47	12/02/11 16:18	1.00
Dibromofluoromethane	104		70 - 130	12/01/11 17:47	12/02/11 16:18	1.00
Dibromofluoromethane	104		70 - 130	12/01/11 17:47	12/02/11 16:18	1.00
Toluene-d8	98		70 - 130	12/01/11 17:47	12/02/11 16:18	1.00
Toluene-d8	98		70 - 130	12/01/11 17:47	12/02/11 16:18	1.00
4-Bromofluorobenzene	95		70 - 130	12/01/11 17:47	12/02/11 16:18	1.00
4-Bromofluorobenzene	95		70 - 130	12/01/11 17:47	12/02/11 16:18	1.00

Lab Sample ID: 11L0313-BS1

Matrix: Water

Analysis Batch: U021351

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11L0313_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Tert-Amyl Methyl Ether	50.0	55.8		ug/L		112	63 - 135
Benzene	50.0	50.7		ug/L		101	80 - 121
Benzene	50.0	50.7		ug/L		101	80 - 121
Ethyl tert-Butyl Ether	50.0	58.8		ug/L		118	63 - 135
Diisopropyl Ether	50.0	52.7		ug/L		105	62 - 137
Ethylbenzene	50.0	51.4		ug/L		103	80 - 130
Ethylbenzene	50.0	51.4		ug/L		103	80 - 130
Methyl tert-Butyl Ether	50.0	57.1		ug/L		114	72 - 133
Methyl tert-Butyl Ether	50.0	57.1		ug/L		114	72 - 133
Toluene	50.0	50.4		ug/L		101	80 - 126
Tertiary Butyl Alcohol	500	588		ug/L		118	54 - 150
Toluene	50.0	50.4		ug/L		101	80 - 126
Xylenes, total	150	150		ug/L		100	80 - 132
Xylenes, total	150	150		ug/L		100	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4	114		70 - 130
1,2-Dichloroethane-d4	114		70 - 130
Dibromofluoromethane	98		70 - 130

QC Sample Results

Client: Conestoga-Rovers & Assoc. (Emeryville) / SHELL
 Project/Site: SAP 135037

TestAmerica Job ID: NVL0146

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11L0313-BS1
Matrix: Water
Analysis Batch: U021351

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11L0313_P

Surrogate	LCS		Limits
	%Recovery	Qualifier	
Dibromofluoromethane	98		70 - 130
Toluene-d8	97		70 - 130
Toluene-d8	97		70 - 130
4-Bromofluorobenzene	101		70 - 130
4-Bromofluorobenzene	101		70 - 130

Lab Sample ID: 11L0313-MS1
Matrix: Water
Analysis Batch: U021351

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 11L0313_P

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
Tert-Amyl Methyl Ether	ND		50.0	58.1		ug/L		116	61 - 138
Benzene	ND		50.0	53.2		ug/L		106	75 - 133
Ethyl tert-Butyl Ether	ND		50.0	58.3		ug/L		117	60 - 138
Diisopropyl Ether	ND		50.0	53.2		ug/L		106	54 - 147
Ethylbenzene	ND		50.0	52.7		ug/L		105	79 - 139
Methyl tert-Butyl Ether	2.40		50.0	60.0		ug/L		115	66 - 141
Methyl tert-Butyl Ether	2.40		50.0	60.0		ug/L		115	66 - 141
Tertiary Butyl Alcohol	ND		500	583		ug/L		117	50 - 183
Toluene	ND		50.0	51.2		ug/L		102	75 - 136
Xylenes, total	ND		150	152		ug/L		101	74 - 141

Surrogate	Matrix Spike		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	118		70 - 130
Dibromofluoromethane	105		70 - 130
Toluene-d8	98		70 - 130
4-Bromofluorobenzene	101		70 - 130

Lab Sample ID: 11L0313-MSD1
Matrix: Water
Analysis Batch: U021351

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total
Prep Batch: 11L0313_P

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Tert-Amyl Methyl Ether	ND		50.0	52.9		ug/L		106	61 - 138	9	15
Benzene	ND		50.0	49.7		ug/L		99	75 - 133	7	17
Ethyl tert-Butyl Ether	ND		50.0	53.7		ug/L		107	60 - 138	8	19
Diisopropyl Ether	ND		50.0	49.2		ug/L		98	54 - 147	8	19
Ethylbenzene	ND		50.0	48.8		ug/L		98	79 - 139	8	15
Methyl tert-Butyl Ether	2.40		50.0	56.0		ug/L		107	66 - 141	7	16
Methyl tert-Butyl Ether	2.40		50.0	56.0		ug/L		107	66 - 141	7	16
Tertiary Butyl Alcohol	ND		500	537		ug/L		107	50 - 183	8	32
Toluene	ND		50.0	48.1		ug/L		96	75 - 136	6	15
Xylenes, total	ND		150	142		ug/L		94	74 - 141	7	15

Surrogate	Matrix Spike Dup		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	116		70 - 130
Dibromofluoromethane	105		70 - 130
Toluene-d8	97		70 - 130
4-Bromofluorobenzene	102		70 - 130

QC Sample Results

Client: Conestoga-Rovers & Assoc. (Emeryville) / SHELL
 Project/Site: SAP 135037

TestAmerica Job ID: NVL0146

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11L1165-BLK1

Matrix: Water

Analysis Batch: U021372

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L1165_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-Amyl Methyl Ether	ND		0.500		ug/L		12/05/11 12:05	12/05/11 15:13	1.00
Benzene	ND		0.500		ug/L		12/05/11 12:05	12/05/11 15:13	1.00
Ethyl tert-Butyl Ether	ND		0.500		ug/L		12/05/11 12:05	12/05/11 15:13	1.00
Diisopropyl Ether	ND		0.500		ug/L		12/05/11 12:05	12/05/11 15:13	1.00
Ethylbenzene	ND		0.500		ug/L		12/05/11 12:05	12/05/11 15:13	1.00
Methyl tert-Butyl Ether	ND		0.500		ug/L		12/05/11 12:05	12/05/11 15:13	1.00
Toluene	ND		0.500		ug/L		12/05/11 12:05	12/05/11 15:13	1.00
Tertiary Butyl Alcohol	ND		10.0		ug/L		12/05/11 12:05	12/05/11 15:13	1.00
Xylenes, total	ND		0.500		ug/L		12/05/11 12:05	12/05/11 15:13	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	103		70 - 130	12/05/11 12:05	12/05/11 15:13	1.00
Dibromofluoromethane	103		70 - 130	12/05/11 12:05	12/05/11 15:13	1.00
Toluene-d8	98		70 - 130	12/05/11 12:05	12/05/11 15:13	1.00
4-Bromofluorobenzene	95		70 - 130	12/05/11 12:05	12/05/11 15:13	1.00

Lab Sample ID: 11L1165-BS1

Matrix: Water

Analysis Batch: U021372

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11L1165_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Tert-Amyl Methyl Ether	50.0	54.8		ug/L		110	63 - 135
Benzene	50.0	48.1		ug/L		96	80 - 121
Ethyl tert-Butyl Ether	50.0	57.6		ug/L		115	63 - 135
Diisopropyl Ether	50.0	50.3		ug/L		101	62 - 137
Ethylbenzene	50.0	48.5		ug/L		97	80 - 130
Methyl tert-Butyl Ether	50.0	54.9		ug/L		110	72 - 133
Toluene	50.0	47.2		ug/L		94	80 - 126
Tertiary Butyl Alcohol	500	576		ug/L		115	54 - 150
Xylenes, total	150	142		ug/L		95	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4	114		70 - 130
Dibromofluoromethane	98		70 - 130
Toluene-d8	97		70 - 130
4-Bromofluorobenzene	100		70 - 130

Lab Sample ID: 11L1165-MS1

Matrix: Water

Analysis Batch: U021372

Client Sample ID: WG-111128-DW1-112811-DW-S-8

Prep Type: Total

Prep Batch: 11L1165_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Tert-Amyl Methyl Ether	ND		500	585		ug/L		117	61 - 138
Benzene	204		500	719		ug/L		103	75 - 133
Ethyl tert-Butyl Ether	ND		500	586		ug/L		117	60 - 138
Diisopropyl Ether	ND		500	548		ug/L		110	54 - 147
Ethylbenzene	874		500	1340		ug/L		94	79 - 139
Methyl tert-Butyl Ether	101		500	683		ug/L		116	66 - 141
Toluene	11.9		500	535		ug/L		105	75 - 136

QC Sample Results

Client: Conestoga-Rovers & Assoc. (Emeryville) / SHELL
 Project/Site: SAP 135037

TestAmerica Job ID: NVL0146

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11L1165-MS1

Matrix: Water

Analysis Batch: U021372

Client Sample ID: WG-111128-DW1-112811-DW-S-8

Prep Type: Total

Prep Batch: 11L1165_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Tertiary Butyl Alcohol	ND		5000	5860		ug/L		117	50 - 183
Xylenes, total	1170		1500	2580		ug/L		94	74 - 141

Surrogate	Matrix Spike %Recovery	Matrix Spike Qualifier	Matrix Spike Limits
1,2-Dichloroethane-d4	113		70 - 130
Dibromofluoromethane	99		70 - 130
Toluene-d8	95		70 - 130
4-Bromofluorobenzene	103		70 - 130

Lab Sample ID: 11L1165-MSD1

Matrix: Water

Analysis Batch: U021372

Client Sample ID: WG-111128-DW1-112811-DW-S-8

Prep Type: Total

Prep Batch: 11L1165_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Tert-Amyl Methyl Ether	ND		500	612		ug/L		122	61 - 138	4	15
Benzene	204		500	726		ug/L		104	75 - 133	0.9	17
Ethyl tert-Butyl Ether	ND		500	610		ug/L		122	60 - 138	4	19
Diisopropyl Ether	ND		500	567		ug/L		113	54 - 147	3	19
Ethylbenzene	874		500	1290		ug/L		83	79 - 139	4	15
Methyl tert-Butyl Ether	101		500	712		ug/L		122	66 - 141	4	16
Toluene	11.9		500	540		ug/L		106	75 - 136	1	15
Tertiary Butyl Alcohol	ND		5000	6110		ug/L		122	50 - 183	4	32
Xylenes, total	1170		1500	2520		ug/L		90	74 - 141	3	15

Surrogate	Matrix Spike Dup %Recovery	Matrix Spike Dup Qualifier	Matrix Spike Dup Limits
1,2-Dichloroethane-d4	114		70 - 130
Dibromofluoromethane	99		70 - 130
Toluene-d8	95		70 - 130
4-Bromofluorobenzene	103		70 - 130

Lab Sample ID: 11L1220-BLK1

Matrix: Water

Analysis Batch: U021395

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L1220_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.500		ug/L		12/05/11 12:23	12/05/11 15:03	1.00
Ethylbenzene	ND		0.500		ug/L		12/05/11 12:23	12/05/11 15:03	1.00
Methyl tert-Butyl Ether	ND		0.500		ug/L		12/05/11 12:23	12/05/11 15:03	1.00
Toluene	ND		0.500		ug/L		12/05/11 12:23	12/05/11 15:03	1.00
Xylenes, total	ND		0.500		ug/L		12/05/11 12:23	12/05/11 15:03	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Blank Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	94		70 - 130	12/05/11 12:23	12/05/11 15:03	1.00
Dibromofluoromethane	101		70 - 130	12/05/11 12:23	12/05/11 15:03	1.00
Toluene-d8	100		70 - 130	12/05/11 12:23	12/05/11 15:03	1.00
4-Bromofluorobenzene	95		70 - 130	12/05/11 12:23	12/05/11 15:03	1.00

QC Sample Results

Client: Conestoga-Rovers & Assoc. (Emeryville) / SHELL
 Project/Site: SAP 135037

TestAmerica Job ID: NVL0146

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11L1220-BS1

Matrix: Water

Analysis Batch: U021395

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11L1220_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Benzene	50.0	50.1		ug/L		100	80 - 121
Ethylbenzene	50.0	51.2		ug/L		102	80 - 130
Methyl tert-Butyl Ether	50.0	52.5		ug/L		105	72 - 133
Toluene	50.0	49.6		ug/L		99	80 - 126
Xylenes, total	150	152		ug/L		101	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane	100		70 - 130
Toluene-d8	99		70 - 130
4-Bromofluorobenzene	95		70 - 130

Lab Sample ID: 11L1220-MS1

Matrix: Water

Analysis Batch: U021395

Client Sample ID: Matrix Spike

Prep Type: Total

Prep Batch: 11L1220_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Benzene	209		500	760		ug/L		110	75 - 133
Ethylbenzene	24.6		500	606		ug/L		116	79 - 139
Methyl tert-Butyl Ether	558		500	1110		ug/L		110	66 - 141
Toluene	3.60		500	571		ug/L		113	75 - 136
Xylenes, total	11.1		1500	1720		ug/L		114	74 - 141

Surrogate	Matrix Spike %Recovery	Matrix Spike Qualifier	Limits
Dibromofluoromethane	97		70 - 130
Toluene-d8	101		70 - 130
4-Bromofluorobenzene	96		70 - 130

Lab Sample ID: 11L1220-MSD1

Matrix: Water

Analysis Batch: U021395

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total

Prep Batch: 11L1220_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	209		500	762		ug/L		111	75 - 133	0.4	17
Ethylbenzene	24.6		500	602		ug/L		115	79 - 139	0.7	15
Methyl tert-Butyl Ether	558		500	1140		ug/L		116	66 - 141	2	16
Toluene	3.60		500	563		ug/L		112	75 - 136	1	15
Xylenes, total	11.1		1500	1720		ug/L		114	74 - 141	0.2	15

Surrogate	Matrix Spike Dup %Recovery	Matrix Spike Dup Qualifier	Limits
Dibromofluoromethane	100		70 - 130
Toluene-d8	100		70 - 130
4-Bromofluorobenzene	97		70 - 130

QC Sample Results

Client: Conestoga-Rovers & Assoc. (Emeryville) / SHELL
 Project/Site: SAP 135037

TestAmerica Job ID: NVL0146

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11L1282-BLK1

Matrix: Water

Analysis Batch: U021390

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L1282_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-Amyl Methyl Ether	ND		0.500		ug/L		12/04/11 09:44	12/04/11 18:08	1.00
Benzene	ND		0.500		ug/L		12/04/11 09:44	12/04/11 18:08	1.00
Ethyl tert-Butyl Ether	ND		0.500		ug/L		12/04/11 09:44	12/04/11 18:08	1.00
Diisopropyl Ether	ND		0.500		ug/L		12/04/11 09:44	12/04/11 18:08	1.00
Ethylbenzene	ND		0.500		ug/L		12/04/11 09:44	12/04/11 18:08	1.00
Methyl tert-Butyl Ether	ND		0.500		ug/L		12/04/11 09:44	12/04/11 18:08	1.00
Methyl tert-Butyl Ether	ND		0.500		ug/L		12/04/11 09:44	12/04/11 18:08	1.00
Tertiary Butyl Alcohol	ND		10.0		ug/L		12/04/11 09:44	12/04/11 18:08	1.00
Toluene	ND		0.500		ug/L		12/04/11 09:44	12/04/11 18:08	1.00
Xylenes, total	ND		0.500		ug/L		12/04/11 09:44	12/04/11 18:08	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	105		70 - 130	12/04/11 09:44	12/04/11 18:08	1.00
Dibromofluoromethane	107		70 - 130	12/04/11 09:44	12/04/11 18:08	1.00
Toluene-d8	98		70 - 130	12/04/11 09:44	12/04/11 18:08	1.00
4-Bromofluorobenzene	95		70 - 130	12/04/11 09:44	12/04/11 18:08	1.00

Lab Sample ID: 11L1282-BS1

Matrix: Water

Analysis Batch: U021390

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11L1282_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Tert-Amyl Methyl Ether	50.0	57.3	MNR1	ug/L		115	63 - 135
Benzene	50.0	50.4	MNR1	ug/L		101	80 - 121
Ethyl tert-Butyl Ether	50.0	59.8	MNR1	ug/L		120	63 - 135
Diisopropyl Ether	50.0	52.9	MNR1	ug/L		106	62 - 137
Ethylbenzene	50.0	50.3	MNR1	ug/L		101	80 - 130
Methyl tert-Butyl Ether	50.0	57.7	MNR1	ug/L		115	72 - 133
Methyl tert-Butyl Ether	50.0	57.7	MNR1	ug/L		115	72 - 133
Tertiary Butyl Alcohol	500	598	MNR1	ug/L		120	54 - 150
Toluene	50.0	49.6	MNR1	ug/L		99	80 - 126
Xylenes, total	150	147	MNR1	ug/L		98	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4	114		70 - 130
Dibromofluoromethane	100		70 - 130
Toluene-d8	97		70 - 130
4-Bromofluorobenzene	102		70 - 130

QC Association Summary

Client: Conestoga-Rovers & Assoc. (Emeryville) / SHELL
 Project/Site: SAP 135037

TestAmerica Job ID: NVL0146

GCMS Volatiles

Analysis Batch: U021351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L0313-BLK1	Method Blank	Total	Water	SW846 8260B	11L0313_P
11L0313-BLK1	Method Blank	Total	Water	CA LUFT GC/MS	11L0313_P
11L0313-BS1	Lab Control Sample	Total	Water	SW846 8260B	11L0313_P
11L0313-BS2	Lab Control Sample	Total	Water	CA LUFT GC/MS	11L0313_P
11L0313-MS1	Matrix Spike	Total	Water	SW846 8260B	11L0313_P
11L0313-MSD1	Matrix Spike Duplicate	Total	Water	SW846 8260B	11L0313_P
NVL0146-01	WG-111128-DW1-112811-DW-S-1	Total	Ground Water	SW846 8260B	11L0313_P
NVL0146-01	WG-111128-DW1-112811-DW-S-1	Total	Ground Water	CA LUFT GC/MS	11L0313_P
NVL0146-02	WG-111128-DW1-112811-DW-S-2	Total	Ground Water	SW846 8260B	11L0313_P
NVL0146-03	WG-111128-DW1-112811-DW-S-3	Total	Ground Water	SW846 8260B	11L0313_P

Analysis Batch: U021372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L1165-BLK1	Method Blank	Total	Water	SW846 8260B	11L1165_P
11L1165-BLK1	Method Blank	Total	Water	CA LUFT GC/MS	11L1165_P
11L1165-BS1	Lab Control Sample	Total	Water	SW846 8260B	11L1165_P
11L1165-BS2	Lab Control Sample	Total	Water	CA LUFT GC/MS	11L1165_P
11L1165-MS1	WG-111128-DW1-112811-DW-S-8	Total	Water	SW846 8260B	11L1165_P
11L1165-MSD1	WG-111128-DW1-112811-DW-S-8	Total	Water	SW846 8260B	11L1165_P
NVL0146-06 - RE1	WG-111128-DW1-112811-DW-S-8	Total	Ground Water	SW846 8260B	11L1165_P
NVL0146-06 - RE1	WG-111128-DW1-112811-DW-S-8	Total	Ground Water	CA LUFT GC/MS	11L1165_P

Analysis Batch: U021390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L1282-BLK1	Method Blank	Total	Water	SW846 8260B	11L1282_P
11L1282-BLK1	Method Blank	Total	Water	CA LUFT GC/MS	11L1282_P
11L1282-BS1	Lab Control Sample	Total	Water	SW846 8260B	11L1282_P
11L1282-BS2	Lab Control Sample	Total	Water	CA LUFT GC/MS	11L1282_P
NVL0146-04	WG-111128-DW1-112811-DW-S-4	Total	Ground Water	SW846 8260B	11L1282_P
NVL0146-04	WG-111128-DW1-112811-DW-S-4	Total	Ground Water	CA LUFT GC/MS	11L1282_P
NVL0146-05	WG-111128-DW1-112811-DW-S-6	Total	Ground Water	SW846 8260B	11L1282_P
NVL0146-06	WG-111128-DW1-112811-DW-S-8	Total	Ground Water	SW846 8260B	11L1282_P

Analysis Batch: U021395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L1220-BLK1	Method Blank	Total	Water	SW846 8260B	11L1220_P
11L1220-BS1	Lab Control Sample	Total	Water	SW846 8260B	11L1220_P
11L1220-MS1	Matrix Spike	Total	Water	SW846 8260B	11L1220_P
11L1220-MSD1	Matrix Spike Duplicate	Total	Water	SW846 8260B	11L1220_P
NVL0146-04 - RE1	WG-111128-DW1-112811-DW-S-4	Total	Ground Water	SW846 8260B	11L1220_P
NVL0146-05 - RE1	WG-111128-DW1-112811-DW-S-6	Total	Ground Water	SW846 8260B	11L1220_P

Analysis Batch: U021609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L0385-BLK1	Method Blank	Total	Water	CA LUFT GC/MS	11L0385_P
11L0385-BS2	Lab Control Sample	Total	Water	CA LUFT GC/MS	11L0385_P
NVL0146-02 - RE1	WG-111128-DW1-112811-DW-S-2	Total	Ground Water	CA LUFT GC/MS	11L0385_P
NVL0146-03 - RE1	WG-111128-DW1-112811-DW-S-3	Total	Ground Water	CA LUFT GC/MS	11L0385_P
NVL0146-05 - RE1	WG-111128-DW1-112811-DW-S-6	Total	Ground Water	CA LUFT GC/MS	11L0385_P

QC Association Summary

Client: Conestoga-Rovers & Assoc. (Emeryville) / SHELL
 Project/Site: SAP 135037

TestAmerica Job ID: NVL0146

GCMS Volatiles (Continued)

Prep Batch: 11L0313_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L0313-BLK1	Method Blank	Total	Water	EPA 5030B	
11L0313-BS1	Lab Control Sample	Total	Water	EPA 5030B	
11L0313-BS2	Lab Control Sample	Total	Water	EPA 5030B	
11L0313-MS1	Matrix Spike	Total	Water	EPA 5030B	
11L0313-MSD1	Matrix Spike Duplicate	Total	Water	EPA 5030B	
NVL0146-01	WG-111128-DW1-112811-DW-S-1	Total	Ground Water	EPA 5030B	
NVL0146-02	WG-111128-DW1-112811-DW-S-2	Total	Ground Water	EPA 5030B	
NVL0146-03	WG-111128-DW1-112811-DW-S-3	Total	Ground Water	EPA 5030B	

Prep Batch: 11L0385_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L0385-BLK1	Method Blank	Total	Water	EPA 5030B	
11L0385-BS2	Lab Control Sample	Total	Water	EPA 5030B	
NVL0146-02 - RE1	WG-111128-DW1-112811-DW-S-2	Total	Ground Water	EPA 5030B	
NVL0146-03 - RE1	WG-111128-DW1-112811-DW-S-3	Total	Ground Water	EPA 5030B	
NVL0146-05 - RE1	WG-111128-DW1-112811-DW-S-6	Total	Ground Water	EPA 5030B	

Prep Batch: 11L1165_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L1165-BLK1	Method Blank	Total	Water	EPA 5030B	
11L1165-BS1	Lab Control Sample	Total	Water	EPA 5030B	
11L1165-BS2	Lab Control Sample	Total	Water	EPA 5030B	
11L1165-MS1	WG-111128-DW1-112811-DW-S-8	Total	Water	EPA 5030B	
11L1165-MSD1	WG-111128-DW1-112811-DW-S-8	Total	Water	EPA 5030B	
NVL0146-06 - RE1	WG-111128-DW1-112811-DW-S-8	Total	Ground Water	EPA 5030B	

Prep Batch: 11L1220_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L1220-BLK1	Method Blank	Total	Water	EPA 5030B	
11L1220-BS1	Lab Control Sample	Total	Water	EPA 5030B	
11L1220-MS1	Matrix Spike	Total	Water	EPA 5030B	
11L1220-MSD1	Matrix Spike Duplicate	Total	Water	EPA 5030B	
NVL0146-04 - RE1	WG-111128-DW1-112811-DW-S-4	Total	Ground Water	EPA 5030B	
NVL0146-05 - RE1	WG-111128-DW1-112811-DW-S-6	Total	Ground Water	EPA 5030B	

Prep Batch: 11L1282_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L1282-BLK1	Method Blank	Total	Water	EPA 5030B	
11L1282-BS1	Lab Control Sample	Total	Water	EPA 5030B	
11L1282-BS2	Lab Control Sample	Total	Water	EPA 5030B	
NVL0146-04	WG-111128-DW1-112811-DW-S-4	Total	Ground Water	EPA 5030B	
NVL0146-05	WG-111128-DW1-112811-DW-S-6	Total	Ground Water	EPA 5030B	
NVL0146-06	WG-111128-DW1-112811-DW-S-8	Total	Ground Water	EPA 5030B	

Lab Chronicle

Client: Conestoga-Rovers & Assoc. (Emeryville) / SHELL
 Project/Site: SAP 135037

TestAmerica Job ID: NVL0146

Client Sample ID: WG-111128-DW1-112811-DW-S-1

Lab Sample ID: NVL0146-01

Date Collected: 11/28/11 13:25

Matrix: Ground Water

Date Received: 12/01/11 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11L0313_P	12/02/11 09:20	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U021351	12/02/11 23:24	FNE	TAL NSH
Total	Prep	EPA 5030B		1.0	11L0313_P	12/02/11 09:20	TSP	TAL NSH
Total	Analysis	CA LUFT GC/MS		1.0	U021351	12/02/11 23:24	FNE	TAL NSH

Client Sample ID: WG-111128-DW1-112811-DW-S-2

Lab Sample ID: NVL0146-02

Date Collected: 11/28/11 13:50

Matrix: Ground Water

Date Received: 12/01/11 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11L0313_P	12/02/11 09:20	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U021351	12/02/11 23:50	FNE	TAL NSH
Total	Prep	EPA 5030B	RE1	1.0	11L0385_P	12/02/11 09:20	TSP	TAL NSH
Total	Analysis	CA LUFT GC/MS	RE1	10	U021609	12/09/11 07:39	FNE	TAL NSH

Client Sample ID: WG-111128-DW1-112811-DW-S-3

Lab Sample ID: NVL0146-03

Date Collected: 11/28/11 12:35

Matrix: Ground Water

Date Received: 12/01/11 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11L0313_P	12/02/11 09:20	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U021351	12/03/11 00:17	FNE	TAL NSH
Total	Prep	EPA 5030B	RE1	1.0	11L0385_P	12/02/11 09:20	TSP	TAL NSH
Total	Analysis	CA LUFT GC/MS	RE1	10	U021609	12/09/11 08:05	FNE	TAL NSH

Client Sample ID: WG-111128-DW1-112811-DW-S-4

Lab Sample ID: NVL0146-04

Date Collected: 11/28/11 10:10

Matrix: Ground Water

Date Received: 12/01/11 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11L1282_P	12/04/11 09:44	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U021390	12/04/11 18:35	FNE	TAL NSH
Total	Prep	EPA 5030B		1.0	11L1282_P	12/04/11 09:44	TSP	TAL NSH
Total	Analysis	CA LUFT GC/MS		1.0	U021390	12/04/11 18:35	FNE	TAL NSH
Total	Prep	EPA 5030B	RE1	1.00	11L1220_P	12/02/11 09:20	TSP	TAL NSH
Total	Analysis	SW846 8260B	RE1	1.00	U021395	12/05/11 15:51	FNE	TAL NSH

Client Sample ID: WG-111128-DW1-112811-DW-S-6

Lab Sample ID: NVL0146-05

Date Collected: 11/28/11 10:30

Matrix: Ground Water

Date Received: 12/01/11 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11L1282_P	12/04/11 09:44	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U021390	12/04/11 19:01	FNE	TAL NSH

Lab Chronicle

Client: Conestoga-Rovers & Assoc. (Emeryville) / SHELL
 Project/Site: SAP 135037

TestAmerica Job ID: NVL0146

Client Sample ID: WG-111128-DW1-112811-DW-S-6

Lab Sample ID: NVL0146-05

Date Collected: 11/28/11 10:30

Matrix: Ground Water

Date Received: 12/01/11 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B	RE1	1.00	11L1220_P	12/02/11 09:20	TSP	TAL NSH
Total	Analysis	SW846 8260B	RE1	1.00	U021395	12/05/11 16:25	FNE	TAL NSH
Total	Prep	EPA 5030B	RE1	1.0	11L0385_P	12/02/11 09:20	TSP	TAL NSH
Total	Analysis	CA LUFT GC/MS	RE1	10	U021609	12/09/11 08:32	FNE	TAL NSH

Client Sample ID: WG-111128-DW1-112811-DW-S-8

Lab Sample ID: NVL0146-06

Date Collected: 11/28/11 14:15

Matrix: Ground Water

Date Received: 12/01/11 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11L1282_P	12/04/11 09:44	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U021390	12/04/11 19:28	FNE	TAL NSH
Total	Prep	EPA 5030B	RE1	1.00	11L1165_P	12/02/11 09:20	TSP	TAL NSH
Total	Analysis	SW846 8260B	RE1	10.0	U021372	12/05/11 23:39	FNE	TAL NSH
Total	Prep	EPA 5030B	RE1	1.0	11L1165_P	12/02/11 09:20	TSP	TAL NSH
Total	Analysis	CA LUFT GC/MS	RE1	10	U021372	12/05/11 23:39	FNE	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Method Summary

Client: Conestoga-Rovers & Assoc. (Emeryville) / SHELL
Project/Site: SAP 135037

TestAmerica Job ID: NVL0146

Method	Method Description	Protocol	Laboratory
CA LUFT GC/MS	Purgeable Petroleum Hydrocarbons		TAL NSH
SW846 8260B	Volatile Organic Compounds by EPA Method 8260B		TAL NSH

Protocol References:

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

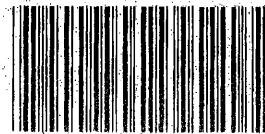
Certification Summary

Client: Conestoga-Rovers & Assoc. (Emeryville) / SHELL
 Project/Site: SAP 135037

TestAmerica Job ID: NVL0146

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville		ACIL		393
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	A2LA	WY UST		453.07
TestAmerica Nashville	AIHA - LAP	IHLAP		100790
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska	Alaska UST	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas	State Program	6	88-0737
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Canada (CALA)	Canada (CALA)		3744
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	Kentucky UST	4	19
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA100011
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Minnesota	NELAC	5	047-999-345
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana	MT DEQ UST	8	NA
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina	North Carolina DENR	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio	OVAP	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	USDA		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC Secondary AB	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia	West Virginia DEP	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



COOLER RECEIPT

NVL0146

Cooler Received/Opened On

12/1/2011 @ 1400

1. Tracking # 7456 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 95610068

2. Temperature of rep. sample or temp blank when opened: 1.7 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? 1 seal YES...NO...NA

If yes, how many and where: _____

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (Initial) _____

7. Were custody seals on containers: YES (NO) and intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Cool Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # _____

I certify that I unloaded the cooler and answered questions 7-14 (Initial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (Initial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (Initial) _____

I certify that I attached a label with the unique LIMS number to each container (Initial) _____

21. Were there Non-Conformance Issues at login? YES...NO Was a PIPE generated? YES...NO # _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Road
Nashville, TN 37204
Tel: 800-765-0980

TestAmerica Job ID: NVL0746
Client Project/Site: SAP 135037
Client Project Description: 999 San Pablo Avenue, Albany, CA

For:
Conestoga-Rovers & Assoc. (Emeryville) / SHELL
5900 Hollis Street, Suite A
Emeryville, CA 94608

Attn: Peter Schaefer

Madonna Myers

Authorized for release by:
12/20/2011 4:32:53 PM

Madonna Myers
Project Manager
madonna.myers@testamericainc.com

Designee for
Ryan Fitzwater
Project Manager
Ryan.Fitzwater@testamericainc.com

LINKS

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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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Sample Summary

Client: Conestoga-Rovers & Assoc. (Emeryville) / SHELL
Project/Site: SAP 135037

TestAmerica Job ID: NVL0746

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NVL0746-01	WG-111202-DW1-120211-DW-S-9	Water	12/02/11 09:45	12/06/11 08:50

Case Narrative

Client: Conestoga-Rovers & Assoc. (Emeryville) / SHELL
Project/Site: SAP 135037

TestAmerica Job ID: NVL0746

Job ID: NVL0746

Laboratory: TestAmerica Nashville

NELAC Certification

NELAC certifications are not held for the following analytes included in this report:

<u>Method</u>	<u>Matrix</u>	<u>Analyte</u>
CA LUFT GC/MS	Water	Gasoline Range Organics

Definitions/Glossary

Client: Conestoga-Rovers & Assoc. (Emeryville) / SHELL
Project/Site: SAP 135037

TestAmerica Job ID: NVL0746

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
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Conestoga-Rovers & Assoc. (Emeryville) / SHELL
 Project/Site: SAP 135037

TestAmerica Job ID: NVL0746

Client Sample ID: WG-111202-DW1-120211-DW-S-9

Lab Sample ID: NVL0746-01

Date Collected: 12/02/11 09:45

Matrix: Water

Date Received: 12/06/11 08:50

Method: CA LUFT GC/MS - Purgeable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		50		ug/L		12/06/11 17:25	12/14/11 09:19	1.0
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	98		70 - 130				12/06/11 17:25	12/14/11 09:19	1.0
Dibromofluoromethane	97		70 - 130				12/06/11 17:25	12/14/11 09:19	1.0
Toluene-d8	104		70 - 130				12/06/11 17:25	12/14/11 09:19	1.0
4-Bromofluorobenzene	102		70 - 130				12/06/11 17:25	12/14/11 09:19	1.0

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.500		ug/L		12/06/11 17:25	12/14/11 09:19	1.00
Ethylbenzene	ND		0.500		ug/L		12/06/11 17:25	12/14/11 09:19	1.00
Methyl tert-Butyl Ether	ND		0.500		ug/L		12/06/11 17:25	12/14/11 09:19	1.00
Toluene	ND		0.500		ug/L		12/06/11 17:25	12/14/11 09:19	1.00
Xylenes, total	ND		0.500		ug/L		12/06/11 17:25	12/14/11 09:19	1.00
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	103		70 - 130				12/06/11 17:25	12/14/11 09:19	1.00
Dibromofluoromethane	102		70 - 130				12/06/11 17:25	12/14/11 09:19	1.00
Toluene-d8	99		70 - 130				12/06/11 17:25	12/14/11 09:19	1.00
4-Bromofluorobenzene	98		70 - 130				12/06/11 17:25	12/14/11 09:19	1.00

QC Sample Results

Client: Conestoga-Rovers & Assoc. (Emeryville) / SHELL
 Project/Site: SAP 135037

TestAmerica Job ID: NVL0746

Method: CA LUFT GC/MS - Purgeable Petroleum Hydrocarbons

Lab Sample ID: 11L3164-BLK1

Matrix: Water

Analysis Batch: U021894

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L3164_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		50		ug/L		12/13/11 11:25	12/14/11 03:06	1.0

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	97		70 - 130	12/13/11 11:25	12/14/11 03:06	1.0
Dibromofluoromethane	98		70 - 130	12/13/11 11:25	12/14/11 03:06	1.0
Toluene-d8	104		70 - 130	12/13/11 11:25	12/14/11 03:06	1.0
4-Bromofluorobenzene	101		70 - 130	12/13/11 11:25	12/14/11 03:06	1.0

Lab Sample ID: 11L3164-BS2

Matrix: Water

Analysis Batch: U021894

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11L3164_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics	500	460		ug/L		92	67 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4	100		70 - 130
Dibromofluoromethane	97		70 - 130
Toluene-d8	103		70 - 130
4-Bromofluorobenzene	102		70 - 130

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Lab Sample ID: 11L3164-BLK1

Matrix: Water

Analysis Batch: U021894

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L3164_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.500		ug/L		12/13/11 11:25	12/14/11 03:06	1.00
Ethylbenzene	ND		0.500		ug/L		12/13/11 11:25	12/14/11 03:06	1.00
Methyl tert-Butyl Ether	ND		0.500		ug/L		12/13/11 11:25	12/14/11 03:06	1.00
Toluene	ND		0.500		ug/L		12/13/11 11:25	12/14/11 03:06	1.00
Xylenes, total	ND		0.500		ug/L		12/13/11 11:25	12/14/11 03:06	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	102		70 - 130	12/13/11 11:25	12/14/11 03:06	1.00
Dibromofluoromethane	103		70 - 130	12/13/11 11:25	12/14/11 03:06	1.00
Toluene-d8	99		70 - 130	12/13/11 11:25	12/14/11 03:06	1.00
4-Bromofluorobenzene	98		70 - 130	12/13/11 11:25	12/14/11 03:06	1.00

Lab Sample ID: 11L3164-BS1

Matrix: Water

Analysis Batch: U021894

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11L3164_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	50.5		ug/L		101	80 - 121
Ethylbenzene	50.0	50.4		ug/L		101	80 - 130
Methyl tert-Butyl Ether	50.0	55.1		ug/L		110	72 - 133

QC Sample Results

Client: Conestoga-Rovers & Assoc. (Emeryville) / SHELL
 Project/Site: SAP 135037

TestAmerica Job ID: NVL0746

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11L3164-BS1				Client Sample ID: Lab Control Sample			
Matrix: Water				Prep Type: Total			
Analysis Batch: U021894				Prep Batch: 11L3164_P			
Analyte	Spike Added	LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
Toluene	50.0	49.8		ug/L		100	80 - 126
Xylenes, total	150	147		ug/L		98	80 - 132

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	114		70 - 130
Dibromofluoromethane	99		70 - 130
Toluene-d8	98		70 - 130
4-Bromofluorobenzene	104		70 - 130

Lab Sample ID: 11L3164-MS1				Client Sample ID: Matrix Spike					
Matrix: Water				Prep Type: Total					
Analysis Batch: U021894				Prep Batch: 11L3164_P					
Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
	Benzene	560		500	1030				
Ethylbenzene	58.4		500	589		ug/L		106	79 - 139
Methyl tert-Butyl Ether	219		500	735		ug/L		103	66 - 141
Toluene	16.9		500	541		ug/L		105	75 - 136
Xylenes, total	91.4		1500	1640		ug/L		103	74 - 141

Surrogate	Matrix Spike		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	114		70 - 130
Dibromofluoromethane	100		70 - 130
Toluene-d8	98		70 - 130
4-Bromofluorobenzene	104		70 - 130

Lab Sample ID: 11L3164-MSD1				Client Sample ID: Matrix Spike Duplicate							
Matrix: Water				Prep Type: Total							
Analysis Batch: U021894				Prep Batch: 11L3164_P							
Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
	Benzene	560		500	1040						
Ethylbenzene	58.4		500	587		ug/L		106	79 - 139	0.3	15
Methyl tert-Butyl Ether	219		500	745		ug/L		105	66 - 141	1	16
Toluene	16.9		500	547		ug/L		106	75 - 136	1	15
Xylenes, total	91.4		1500	1640		ug/L		103	74 - 141	0.1	15

Surrogate	Matrix Spike Dup		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4	112		70 - 130
Dibromofluoromethane	100		70 - 130
Toluene-d8	97		70 - 130
4-Bromofluorobenzene	102		70 - 130

QC Association Summary

Client: Conestoga-Rovers & Assoc. (Emeryville) / SHELL
 Project/Site: SAP 135037

TestAmerica Job ID: NVL0746

GCMS Volatiles

Analysis Batch: U021894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L3164-BLK1	Method Blank	Total	Water	SW846 8260B	11L3164_P
11L3164-BLK1	Method Blank	Total	Water	CA LUFT GC/MS	11L3164_P
11L3164-BS1	Lab Control Sample	Total	Water	SW846 8260B	11L3164_P
11L3164-BS2	Lab Control Sample	Total	Water	CA LUFT GC/MS	11L3164_P
11L3164-MS1	Matrix Spike	Total	Water	SW846 8260B	11L3164_P
11L3164-MSD1	Matrix Spike Duplicate	Total	Water	SW846 8260B	11L3164_P
NVL0746-01	WG-111202-DW1-120211-DW-S-9	Total	Water	SW846 8260B	11L3164_P
NVL0746-01	WG-111202-DW1-120211-DW-S-9	Total	Water	CA LUFT GC/MS	11L3164_P

Prep Batch: 11L3164_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L3164-BLK1	Method Blank	Total	Water	EPA 5030B	
11L3164-BS1	Lab Control Sample	Total	Water	EPA 5030B	
11L3164-BS2	Lab Control Sample	Total	Water	EPA 5030B	
11L3164-MS1	Matrix Spike	Total	Water	EPA 5030B	
11L3164-MSD1	Matrix Spike Duplicate	Total	Water	EPA 5030B	
NVL0746-01	WG-111202-DW1-120211-DW-S-9	Total	Water	EPA 5030B	

Lab Chronicle

Client: Conestoga-Rovers & Assoc. (Emeryville) / SHELL
Project/Site: SAP 135037

TestAmerica Job ID: NVL0746

Client Sample ID: WG-111202-DW1-120211-DW-S-9

Lab Sample ID: NVL0746-01

Date Collected: 12/02/11 09:45

Matrix: Water

Date Received: 12/06/11 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11L3164_P	12/06/11 17:25	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U021894	12/14/11 09:19	FNE	TAL NSH
Total	Prep	EPA 5030B		1.0	11L3164_P	12/06/11 17:25	TSP	TAL NSH
Total	Analysis	CA LUFT GC/MS		1.0	U021894	12/14/11 09:19	FNE	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Method Summary

Client: Conestoga-Rovers & Assoc. (Emeryville) / SHELL
Project/Site: SAP 135037

TestAmerica Job ID: NVL0746

Method	Method Description	Protocol	Laboratory
CA LUFT GC/MS	Purgeable Petroleum Hydrocarbons		TAL NSH
SW846 8260B	Volatile Organic Compounds by EPA Method 8260B		TAL NSH

Protocol References:

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Certification Summary

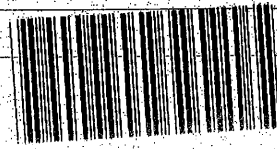
Client: Conestoga-Rovers & Assoc. (Emeryville) / SHELL
 Project/Site: SAP 135037

TestAmerica Job ID: NVL0746

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville		AÇIL		393
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	A2LA	WY UST		453.07
TestAmerica Nashville	AIHA - LAP	IHLAP		100790
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska	Alaska UST	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas	State Program	6	88-0737
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Canada (CALA)	Canada (CALA)		3744
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	Kentucky UST	4	19
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA100011
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Minnesota	NELAC	5	047-999-345
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana	MT DEQ UST	8	NA
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina	North Carolina DENR	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio	OVAP	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	USDA		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC Secondary AB	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia	West Virginia DEP	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

COOLER RECEIPT



NVL0746

Cooler Received/Opened On 12/6/2011@ 8:50

1. Tracking # 7607 (last 4 digits, FedEx)

Courier: Fedex IR Gun ID Rayner

2. Temperature of rep. sample or temp blank when opened: 2.1 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1 Front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) JH

7. Were custody seals on containers: YES NO and Intact YES...NO NA

Were these signed and dated correctly? YES...NO NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry Ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO NA If multiple coolers, sequence # _____

I certify that I unloaded the cooler and answered questions 7-14 (initial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) _____

17. Were custody papers properly filled out (Ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) _____

I certify that I attached a label with the unique LIMS number to each container (initial) _____

21. Were there Non-Conformance issues at login? YES...NO NO Was a PIPE generated? YES.. NO...# _____

APPENDIX C

BROADBENT & ASSOCIATES, INC. -
GROUNDWATER MONITORING DATA TABLES FOR ARCO STATION NO. 2035

Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
ARCO Service Station #2035, 1001 San Pablo Ave., Albany, CA

Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
MW-1														
4/11/2002	P	41.41	10.73	0.00	30.68	800	360	<5.0	<5.0	<5.0	<50	--	--	
11/27/2002	P		10.22	0.00	31.19	<50	<0.50	<0.50	<0.50	<0.50	1.7	1.1	--	
6/3/2003	--		9.14	0.00	32.27	1,700	430	<5.0	24	11	8.6	1.7	--	
11/13/2003	P	43.55	10.17	0.00	33.38	<50	<0.50	<0.50	<0.50	<0.50	0.95	2.3	6.5	a
05/12/2004	P		9.28	0.00	34.27	120	7.2	<0.50	<0.50	<0.50	3.0	1.6	6.0	
12/01/2004	P		9.16	0.00	34.39	<50	0.94	<0.50	<0.50	1.1	2.4	5.2	6.6	
05/02/2005	P		8.58	0.00	34.97	1,300	390	<5.0	12	6.4	8.8	2.8	6.5	
11/16/2005	P		9.50	0.00	34.05	<50	<0.50	<0.50	<0.50	0.54	0.92	1.7	6.4	
5/31/2006	P		7.36	0.00	36.19	850	200	<2.5	5.4	<2.5	4.0	2.4	6.5	
12/6/2006	P		9.91	0.00	33.64	<50	0.52	<0.50	<0.50	<0.50	0.72	4.50	6.99	
5/15/2007	P		9.65	0.00	33.90	67	6.6	<0.50	<0.50	<0.50	1.8	2.43	6.96	
11/29/2007	P		9.11	0.00	34.44	<50	<0.50	<0.50	<0.50	<0.50	0.98	4.51	6.81	
5/6/2008	P		8.25	0.00	35.30	890	140	0.53	5.4	5.8	<0.50	1.89	6.61	
11/24/2008	P		10.55	0.00	33.00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.83	6.67	
4/9/2009	--		9.02	0.00	34.53	--	--	--	--	--	--	--	--	d
11/24/2009	--		9.24	0.00	34.31	--	--	--	--	--	--	--	--	
5/26/2010	--		8.47	0.00	35.08	--	--	--	--	--	--	--	--	
11/30/2010	--		8.62	0.00	34.93	--	--	--	--	--	--	--	--	
2/16/2011	P		8.64	0.00	34.91	--	--	--	--	--	--	--	--	
5/11/2011	--		8.24	0.00	35.31	--	--	--	--	--	--	--	--	
11/28/2011	--		9.48	0.00	34.07	--	--	--	--	--	--	--	--	
MW-2														
4/11/2002	P	40.38	11.05	0.00	29.33	<50	<0.50	<0.50	<0.50	<0.50	24	--	--	
11/27/2002	P		10.51	0.00	29.87	<50	<0.50	<0.50	<0.50	<0.50	5.4	2.6	--	
6/3/2003	--		9.78	0.00	30.60	<50	<0.50	<0.50	<0.50	<0.50	23	1.7	--	
11/13/2003	P	42.52	10.69	0.00	31.83	<50	<0.50	<0.50	<0.50	<0.50	9.5	2.3	6.5	a
05/12/2004	P		10.34	0.00	32.18	<250	<2.5	<2.5	<2.5	<2.5	27	2.2	6.6	
12/01/2004	P		10.28	0.00	32.24	<50	<0.50	<0.50	<0.50	0.70	17	3.9	6.6	
05/02/2005	P		9.50	0.00	33.02	<50	<0.50	<0.50	<0.50	<0.50	25	3.1	6.6	
11/16/2005	P		10.50	0.00	32.02	<50	<0.50	<0.50	<0.50	0.50	7.6	2.8	6.4	

Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #2035, 1001 San Pablo Ave., Albany, CA

Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
MW-2 Cont.														
5/31/2006	P	42.52	10.03	0.00	32.49	<50	<0.50	<0.50	<0.50	<0.50	24	2.0	6.6	
12/6/2006	P		10.28	0.00	32.24	<50	<0.50	<0.50	<0.50	<0.50	1.6	3.72	6.91	
5/15/2007	P		10.00	0.00	32.52	<50	<0.50	<0.50	<0.50	<0.50	44	2.90	6.69	
11/29/2007	P		10.13	0.00	32.39	<50	<0.50	<0.50	<0.50	<0.50	1.9	4.83	6.89	
5/6/2008	P		9.55	0.00	32.97	<50	<0.50	<0.50	<0.50	<0.50	35	1.88	6.62	
11/24/2008	P		10.70	0.00	31.82	<50	<0.50	<0.50	<0.50	<0.50	4.3	1.83	6.74	
4/9/2009	--	42.57	9.68	0.00	32.89	--	--	--	--	--	--	--	--	d
11/24/2009	--		10.48	0.00	32.09	--	--	--	--	--	--	--	--	
5/26/2010	--		9.65	0.00	32.92	--	--	--	--	--	--	--	--	
11/30/2010	--		9.84	0.00	32.73	--	--	--	--	--	--	--	--	
2/16/2011	P		9.39	0.00	33.18	--	--	--	--	--	--	--	--	
5/11/2011	--		9.68	0.00	32.89	--	--	--	--	--	--	--	--	
11/28/2011	--		10.12	0.00	32.45	--	--	--	--	--	--	--	--	
MW-3														
4/11/2002	P	41.44	11.05	0.00	30.39	250	9.4	<0.50	<0.50	<0.50	120	--	--	
11/27/2002	P		10.49	0.00	30.95	<100	<1.0	<1.0	<1.0	2.5	56	2.2	--	
6/3/2003	--		9.44	0.00	32.00	130	<0.50	<0.50	<0.50	<0.50	47	4.1	--	
11/13/2003	P	43.62	10.68	0.00	32.94	53	<0.50	<0.50	<0.50	<0.50	36	3.8	6.8	a
05/12/2004	P		9.95	0.00	33.67	65	<0.50	<0.50	<0.50	<0.50	39	4.2	6.9	
12/01/2004	P		10.32	0.00	33.30	140	<0.50	<0.50	<0.50	<0.50	37	4.3	6.9	
05/02/2005	P		9.12	0.00	34.50	140	<0.50	<0.50	<0.50	<0.50	23	3.1	6.7	
11/16/2005	P		10.58	0.00	33.04	<50	<0.50	<0.50	<0.50	<0.50	32	4.1	6.5	
5/31/2006	P		9.41	0.00	34.21	<50	<0.50	<0.50	<0.50	<0.50	20	4.3	6.8	
12/6/2006	P		10.25	0.00	33.37	<50	<0.50	<0.50	<0.50	<0.50	20	2.71	7.00	
5/15/2007	P		9.70	0.00	33.92	<50	<0.50	<0.50	<0.50	<0.50	40	5.89	7.07	
11/29/2007	P		10.08	0.00	33.54	90	<0.50	<0.50	<0.50	<0.50	35	4.74	6.61	
5/6/2008	P		10.02	0.00	33.60	<50	<0.50	<0.50	<0.50	<0.50	14	2.05	6.61	
11/24/2008	P		10.80	0.00	32.82	<50	<1.0	<1.0	<1.0	<1.0	28	1.98	6.77	
4/9/2009	--	43.63	9.55	0.00	34.08	--	--	--	--	--	--	--	--	d
11/24/2009	--		10.29	0.00	33.34	--	--	--	--	--	--	--	--	

Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
ARCO Service Station #2035, 1001 San Pablo Ave., Albany, CA

Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
MW-3 Cont.														
5/26/2010	--	43.63	9.76	0.00	33.87	--	--	--	--	--	--	--	--	
11/30/2010	--		10.15	0.00	33.48	--	--	--	--	--	--	--	--	
2/16/2011	P		9.22	0.00	34.41	--	--	--	--	--	--	--	--	
5/11/2011	--		9.55	0.00	34.08	--	--	--	--	--	--	--	--	
11/28/2011	--		10.06	0.00	33.57	--	--	--	--	--	--	--	--	
MW-4														
4/11/2002	NP	40.33	10.81	0.00	29.52	<50	<0.50	<0.50	<0.50	<0.50	11	--	--	
11/27/2002	NP		10.09	0.00	30.24	<50	<0.50	<0.50	<0.50	<0.50	6.5	1.8	--	
6/3/2003	--		8.62	0.00	31.71	<250	<2.5	<2.5	<2.5	<2.5	120	1.1	--	
11/13/2003	NP	42.48	9.98	0.00	32.50	<50	<0.50	<0.50	<0.50	<0.50	20	1.3	6.2	a
05/12/2004	P		9.48	0.00	33.00	<250	<2.5	<2.5	<2.5	<2.5	79	2.9	6.6	
12/01/2004	NP		9.60	0.00	32.88	<50	<0.50	<0.50	<0.50	<0.50	1.8	1.9	6.7	
05/02/2005	NP		8.67	0.00	33.81	<50	<0.50	<0.50	<0.50	<0.50	11	2.8	6.6	
11/16/2005	NP		10.00	0.00	32.48	<50	<0.50	<0.50	<0.50	<0.50	0.93	1.7	6.3	
5/31/2006	NP		8.52	0.00	33.96	<50	<0.50	<0.50	<0.50	<0.50	2.4	1.0	7.0	
12/6/2006	NP		9.90	0.00	32.58	<50	<0.50	<0.50	<0.50	<0.50	7.8	0.85	7.10	
5/15/2007	NP		9.18	0.00	33.30	<50	<0.50	<0.50	<0.50	<0.50	2.2	1.37	6.85	
11/29/2007	NP		9.10	0.00	33.38	<50	<0.50	<0.50	<0.50	<0.50	9.1	1.81	7.14	
5/6/2008	P		9.40	0.00	33.08	<50	<0.50	<0.50	<0.50	<0.50	10	2.61	6.91	
11/24/2008	NP		10.20	0.00	32.28	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.67	6.88	
4/9/2009	P	42.51	9.00	0.00	33.51	<50	<0.50	<0.50	<0.50	<0.50	12	2.51	7.11	d
11/24/2009	P		9.89	0.00	32.62	<50	<0.50	<0.50	<0.50	<0.50	1.7	0.80	6.58	
5/26/2010	P		8.79	0.00	33.72	<50	<0.50	<0.50	<0.50	<0.50	1.4	0.98	6.0	
11/30/2010	P		9.31	0.00	33.20	--	--	--	--	--	--	1.40	6.4	f
2/16/2011	P		8.50	0.00	34.01	<50	<0.50	<0.50	<0.50	<0.50	2.1	0.91	7.1	
5/11/2011	P		8.80	0.00	33.71	<50	<0.50	<0.50	<0.50	<0.50	0.75	1.43	6.8	
11/28/2011	P		9.53	0.00	32.98	<50	<0.50	0.61	<0.50	0.69	0.67	0.75	6.8	
MW-5														
4/11/2002	NP	41.84	10.63	0.00	31.21	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	

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Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
MW-5 Cont.														
11/27/2002	NP	41.84	10.65	0.00	31.19	--	--	--	--	--	--	--	--	
6/3/2003	--		8.92	0.00	32.92	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	--	
11/13/2003	NP	44.03	10.58	0.00	33.45	<50	<0.50	<0.50	<0.50	<0.50	0.79	1.4	5.7	a
05/12/2004	--		9.95	0.00	34.08	--	--	--	--	--	--	--	--	
12/01/2004	NP		10.05	0.00	33.98	<50	<0.50	<0.50	<0.50	<0.50	0.55	1.8	6.3	
05/02/2005	--		8.75	0.00	35.28	--	--	--	--	--	--	--	--	
11/16/2005	NP		10.37	0.00	33.66	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	6.2	
5/31/2006	--		9.07	0.00	34.96	--	--	--	--	--	--	--	--	
12/6/2006	NP		10.25	0.00	33.78	<50	<0.50	<0.50	<0.50	<0.50	0.99	1.24	6.88	
5/15/2007	--		9.51	0.00	34.52	--	--	--	--	--	--	--	--	
11/29/2007	NP		9.95	0.00	34.08	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.93	6.98	
5/6/2008	--		9.67	0.00	34.36	--	--	--	--	--	--	--	--	
11/24/2008	NP		10.62	0.00	33.41	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.43	6.52	
4/9/2009	--		12.00	0.00	32.03	--	--	--	--	--	--	--	--	d
11/24/2009	P		10.34	0.00	33.69	<50	<0.50	1.4	<0.50	<0.50	0.89	0.94	6.1	
5/26/2010	--		9.21	0.00	34.82	--	--	--	--	--	--	--	--	
11/30/2010	P		9.85	0.00	34.18	--	--	--	--	--	--	--	6.17	f
2/16/2011	P		9.01	0.00	35.02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.23	6.9	
5/11/2011	--		9.44	0.00	34.59	--	--	--	--	--	--	--	--	
11/28/2011	P		10.06	0.00	33.97	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.10	6.5	
MW-6														
4/11/2002	NP	40.13	11.42	0.00	28.71	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	
11/27/2002	NP		13.11	0.00	27.02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	--	
6/3/2003	--		12.48	0.00	27.65	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	--	
11/13/2003	NP	42.26	13.11	0.00	29.15	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	6.8	a
05/12/2004	--		12.68	0.00	29.58	--	--	--	--	--	--	--	--	
12/01/2004	NP		12.68	0.00	29.58	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	7.3	
05/02/2005	--		12.25	0.00	30.01	--	--	--	--	--	--	--	--	
11/16/2005	NP		12.98	0.00	29.28	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	6.7	
5/31/2006	--		12.35	0.00	29.91	--	--	--	--	--	--	--	--	

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ARCO Service Station #2035, 1001 San Pablo Ave., Albany, CA

Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
MW-6 Cont.														
12/6/2006	NP	42.26	12.98	0.00	29.28	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.24	6.86	
5/15/2007	--		12.55	0.00	29.71	--	--	--	--	--	--	--	--	
11/29/2007	NP		12.75	0.00	29.51	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	6.93	
5/6/2008	--		12.91	0.00	29.35	--	--	--	--	--	--	--	--	
11/24/2008	NP		13.20	0.00	29.06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.28	7.25	
4/9/2009	--	42.31	12.52	0.00	29.79	--	--	--	--	--	--	--	--	d
11/24/2009	P		12.90	0.00	29.41	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.83	6.59	
5/26/2010	--		12.17	0.00	30.14	--	--	--	--	--	--	--	--	
11/30/2010	P		12.45	0.00	29.86	--	--	--	--	--	--	1.20	7.2	f
2/16/2011	P		11.95	0.00	30.36	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.02	6.9	
5/11/2011	--		12.35	0.00	29.96	--	--	--	--	--	--	--	--	
11/28/2011	P		12.62	0.00	29.69	<50	<0.50	0.74	<0.50	0.64	<0.50	0.91	7.2	
MW-7														
4/9/2009	P	43.18	6.73	0.00	36.45	4,100	5.2	1.7	21	21	<0.50	8.41	7.79	d
11/24/2009	P		8.31	0.00	34.87	2,700	4.1	1.1	3.3	3.0	<0.50	0.60	6.8	e
5/26/2010	P		6.62	0.00	36.56	1,800	1.2	0.53	2.2	0.84	<0.50	0.71	6.6	
11/30/2010	P		6.84	0.00	36.34	--	--	--	--	--	--	0.79	6.7	f
2/16/2011	P		5.44	0.00	37.74	2,000	1.4	0.84	8.0	1.4	<0.50	0.56	7.0	g
5/11/2011	P		6.98	0.00	36.20	84	<0.50	<0.50	<0.50	<0.50	<0.50	1.76	7.1	lw
11/28/2011	P		7.13	0.00	36.05	850	0.55	1.3	<0.50	2.5	<0.50	0.38	7.3	lw
MW-8														
4/9/2009	P	42.36	9.50	0.00	32.86	4,300	940	260	150	590	110	2.09	7.62	d
11/24/2009	P		10.25	0.00	32.11	28,000	9,900	670	1,300	2,200	<100	0.64	6.48	e
5/26/2010	P		9.25	0.00	33.11	1,400	420	<10	21	<10	<10	0.78	6.6	
11/30/2010	P		9.68	0.00	32.68	--	--	--	--	--	--	2.26	6.6	f
2/16/2011	P		8.95	0.00	33.41	960	270	<5.0	50	<5.0	<5.0	3.35	6.9	g
5/11/2011	P		9.43	0.00	32.93	1,200	290	<4.0	57	4.5	<4.0	0.94	7.2	lw
11/28/2011	P		9.85	0.00	32.51	<50	<0.50	0.59	<0.50	0.53	<0.50	3.64	7.2	
MW-9														

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						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
MW-9 Cont.														
4/9/2009	P	43.77	8.95	0.00	34.82	<50	<0.50	<0.50	<0.50	<0.50	2.1	2.81	7.58	d
11/24/2009	P		10.11	0.00	33.66	<50	<0.50	<0.50	<0.50	<0.50	3.8	--	6.3	
5/26/2010	P		8.88	0.00	34.89	<50	<0.50	<0.50	<0.50	<0.50	1.9	0.66	5.7	
11/30/2010	P		9.56	0.00	34.21	--	--	--	--	--	--	0.64	6.3	f
2/16/2011	P		8.65	0.00	35.12	<50	<0.50	<0.50	<0.50	<0.50	3.8	0.55	6.6	
5/11/2011	P		9.06	0.00	34.71	<50	<0.50	<0.50	<0.50	<0.50	1.2	1.22	6.6	
11/28/2011	P		9.75	0.00	34.02	<50	<0.50	0.70	<0.50	0.72	9.1	0.50	6.8	
RW-1														
4/11/2002	P	40.33	9.20	0.00	31.13	15,000	750	2,000	380	2,000	1,500	--	--	
11/27/2002	P		10.31	0.00	30.02	<2,500	720	<25	<25	<25	<25	1.8	--	
6/3/2003	--		9.54	0.00	30.79	470	78	0.97	4.3	9	48	1.4	--	
11/13/2003	P	42.35	10.35	0.00	32.00	130	29	<0.50	<0.50	<0.50	44	1.3	6.6	a
05/12/2004	P		9.80	0.00	32.55	<250	66	<2.5	<2.5	<2.5	<2.5	1.9	6.9	
09/02/2004	--		10.42	0.00	31.93	--	--	--	--	--	--	--	--	
10/07/2004	--		10.36	0.00	31.99	--	--	--	--	--	--	--	--	
11/04/2004	--		9.93	0.00	32.42	--	--	--	--	--	--	--	--	
12/01/2004	P		10.02	0.00	32.33	<250	96	<2.5	<2.5	<2.5	16	1.8	6.7	
05/02/2005	P		9.20	0.00	33.15	230	100	<1.0	<1.0	<1.0	50	2.5	6.6	
11/16/2005	P		10.96	0.00	31.39	<100	28	<1.0	<1.0	<1.0	32	1.0	6.5	
5/31/2006	P		9.34	0.00	33.01	320	32	<0.50	<0.50	<0.50	28	1.3	6.8	
12/6/2006	P		10.10	0.00	32.25	50	27	<0.50	<0.50	<0.50	19	1.49	7.54	
5/15/2007	P		9.42	0.00	32.93	280	32	<0.50	<0.50	<0.50	18	2.61	7.10	
11/29/2007	P		9.75	0.00	32.60	<50	14	<0.50	<0.50	<0.50	18	4.86	8.14	
5/6/2008	P		9.71	0.00	32.64	610	110	<2.5	<2.5	<2.5	2.6	2.48	6.95	
11/24/2008	P		10.48	0.00	31.87	73	31	<0.50	<0.50	<0.50	11	2.53	6.88	
4/9/2009	P	42.23	9.46	0.00	32.77	720	36	<0.50	1.0	1.2	4.0	2.58	7.73	d
11/24/2009	P		10.15	0.00	32.08	<50	2.0	<0.50	<0.50	<0.50	6.5	0.85	6.6	
5/26/2010	P		9.12	0.00	33.11	90	11	<0.50	<0.50	<0.50	0.94	1.46	6.4	
11/30/2010	P		9.38	0.00	32.85	--	--	--	--	--	--	2.10	7.2	f
2/16/2011	P		9.15	0.00	33.08	1,600	370	2.9	2.6	2.9	1.3	0.76	7.0	

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						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
RW-1 Cont.														
5/11/2011	P	42.23	9.56	0.00	32.67	1,600	79	<2.0	<2.0	2.0	<2.0	0.91	7.4	lw
11/28/2011	P		9.69	0.00	32.54	<50	<0.50	0.54	<0.50	<0.50	<0.50	3.05	7.3	
S-5														
4/11/2002	P	40.33	10.17	0.00	30.16	30,000	390	1,400	410	7,400	<500	--	--	
11/27/2002	P		9.77	0.00	30.56	55,000	1,300	450	1,400	13,000	<50	4.3	--	
6/3/2003	--		9.12	0.00	31.21	44,000	680	260	1,100	9,900	<25	1.9	--	
6/3/2003	--		9.03	0.00	31.30	44,000	680	260	1,100	9,900	<25	1.9	--	
6/3/2003	--		9.12	0.00	31.21	--	--	--	--	--	<25	1.4	--	
6/3/2003	--		9.03	0.00	31.30	--	--	--	--	--	<25	1.4	--	
11/13/2003	P	41.83	9.12	0.00	32.71	31,000	520	120	690	5,900	<50	1.4	6.5	a
05/12/2004	P		9.95	0.00	31.88	28,000	760	79	910	5,000	<50	1.9	6.6	
12/01/2004	P		9.61	0.00	32.22	26,000	1,500	64	1,400	4,000	<25	--	6.5	b
05/02/2005	P		8.80	0.00	33.03	13,000	700	18	260	1,300	<5.0	1.8	6.4	
11/16/2005	P		9.80	0.00	32.03	15,000	1,400	25	570	850	<5.0	1.1	6.3	
5/31/2006	P		8.89	0.00	32.94	9,800	170	<5.0	490	390	<5.0	1.4	6.6	
12/6/2006	P		9.65	0.00	32.18	16,000	1,100	<25	1,700	970	<25	1.23	6.95	
5/15/2007	P		8.89	0.00	32.94	10,000	140	<5.0	340	310	<5.0	3.63	7.10	
11/29/2007	P		9.48	0.00	32.35	13,000	770	8.6	500	360	<2.5	5.42	7.28	c (Benzene)
5/6/2008	P		9.30	0.00	32.53	7,400	320	2.8	580	130	<0.50	3.37	6.88	
11/24/2008	P		10.00	0.00	31.83	7,700	400	<10	390	14	<10	3.22	6.43	
4/9/2009	P		8.90	0.00	32.93	7,700	230	<10	370	35	<10	3.14	7.77	
11/24/2009	--		--	--	--	--	--	--	--	--	--	--	--	e
5/26/2010	--		--	--	--	--	--	--	--	--	--	--	--	e
11/30/2010	P		8.92	0.00	32.91	--	--	--	--	--	--	0.62	6.6	f
2/16/2011	P		8.57	0.00	33.26	2,700	26	<0.50	11	3.2	<0.50	1.34	7.5	
5/11/2011	P		8.85	0.00	32.98	1,500	19	0.58	9.7	2.2	<0.50	0.72	6.8	lw
11/28/2011	--		--	--	--	--	--	--	--	--	--	--	--	e

Symbols & Abbreviations:

-- = Not analyzed/applicable/measured/available
< = Not detected at or above laboratory reporting limit
ft bgs = Feet below ground surface
BTEX = Benzene, toluene, ethylbenzene and xylenes
DO = Dissolved oxygen
DTW = Depth to water in ft bgs
GRO = Gasoline range organics, range C4-C12
GWE = Groundwater elevation measured in ft
mg/L = Milligrams per liter
MTBE = Methyl tert butyl ether
NP = Not purged before sampling
P = Purged before sampling
TOC = Top of casing measured in ft
TPH-g = Total petroleum hydrocarbons as gasoline, analyzed using EPA Method 8015, Modified
µg/L = Micrograms per liter
SEQ/SEQM = Sequoia Analytical/Sequoia Morgan Hill Laboratories

Footnotes:

a = Site resurveyed by URS on 10/15/03 to NAVD '88
b = Sheen in well
c = Sample taken from VOA vial with air bubble >6mm
d = Well surveyed on 4/20/09
e = Well not monitored or sampled due to traffic control safety concerns
f = Samples were collected on 11/30/2010 but not able to be analyzed (frozen). Subsequent re-sampling could not occur in 4Q 2010
g = Quantitation of unknown hydrocarbon(s) in sample based on gasoline
lw = Quantitated against gasoline

Notes:

No sampling occurs at this site during the first and third quarters of each calendar year

TPH-g analyzed using EPA Method 8015, Modified and BTEX and MTBE by EPA method 8260B

Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. TPH-g was changed to GRO. The resulting data may be impacted by the potential of non-TPH-g analytes within the requested fuel range resulting in a higher concentration being reported

Beginning in the second quarter 2004, the carbon range for GRO was changed from C6-C10 to C4-C12

Values for DO and pH were obtained through field measurements

GRO analysis was completed by EPA method 8260B (C4-C12) for samples collected from the time period April 2006 through February 4, 2008. The analysis for GRO was changed to EPA method 8015B (C6-C12) for samples collected from the time period February 5, 2008 through the present

The data within this table collected prior to April 2006 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information

Table 2. Summary of Fuel Additives Analytical Data
ARCO Service Station #2035, 1001 San Pablo Ave., Albany, CA

Well ID and Date Monitored	Concentrations in µg/L								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-1									
4/11/2002	--	--	<50	--	--	--	--	--	
11/27/2002	--	--	1.7	--	--	--	--	--	
6/3/2003	<1000	<200	8.6	<5.0	<5.0	<5.0	<5.0	<5.0	
11/13/2003	<100	<20	0.95	<0.50	<0.50	<0.50	--	--	
05/12/2004	<100	<20	3.0	<0.50	<0.50	<0.50	<0.50	<0.50	
12/01/2004	<100	<20	2.4	<0.50	<0.50	<0.50	<0.50	<0.50	
05/02/2005	<1,000	220	8.8	<5.0	<5.0	<5.0	<5.0	<5.0	
11/16/2005	<100	<20	0.92	<0.50	<0.50	<0.50	<0.50	<0.50	a
5/31/2006	<1,500	<100	4.0	<2.5	<2.5	<2.5	<2.5	<2.5	a
12/6/2006	<300	<20	0.72	<0.50	<0.50	<0.50	<0.50	<0.50	
5/15/2007	<300	<20	1.8	<0.50	<0.50	<0.50	<0.50	<0.50	
11/29/2007	<300	<20	0.98	<0.50	<0.50	<0.50	<0.50	<0.50	
5/6/2008	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
11/24/2008	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-2									
4/11/2002	--	--	24	--	--	--	--	--	
11/27/2002	--	--	5.4	--	--	--	--	--	
6/3/2003	<100	<20	23	<0.50	<0.50	<0.50	0.94	<0.50	
11/13/2003	<100	<20	9.5	<0.50	<0.50	<0.50	--	--	
05/12/2004	<500	<100	27	<2.5	<2.5	<2.5	<2.5	<2.5	
12/01/2004	<100	<20	17	<0.50	<0.50	<0.50	0.74	<0.50	
05/02/2005	<100	75	25	<0.50	<0.50	<0.50	<0.50	<0.50	
11/16/2005	<100	<20	7.6	<0.50	<0.50	<0.50	0.79	<0.50	a
5/31/2006	<300	<20	24	<0.50	<0.50	<0.50	0.66	<0.50	a
12/6/2006	<300	<20	1.6	<0.50	<0.50	<0.50	<0.50	<0.50	a
5/15/2007	<300	<20	44	<0.50	<0.50	<0.50	1.2	<0.50	
11/29/2007	<300	<20	1.9	<0.50	<0.50	<0.50	<0.50	<0.50	
5/6/2008	<300	<10	35	<0.50	<0.50	<0.50	0.93	<0.50	
11/24/2008	<300	<10	4.3	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-3									

Table 2. Summary of Fuel Additives Analytical Data
ARCO Service Station #2035, 1001 San Pablo Ave., Albany, CA

Well ID and Date Monitored	Concentrations in µg/L								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-3 Cont.									
4/11/2002	--	--	120	--	--	--	--	--	
11/27/2002	--	--	56	--	--	--	--	--	
6/3/2003	<100	<20	47	<0.50	<0.50	<0.50	<0.50	<0.50	
11/13/2003	<100	<20	36	<0.50	<0.50	<0.50	--	--	
05/12/2004	<100	<20	39	<0.50	<0.50	<0.50	<0.50	<0.50	
12/01/2004	<100	<20	37	<0.50	<0.50	<0.50	<0.50	<0.50	
05/02/2005	<100	<20	23	<0.50	<0.50	<0.50	<0.50	<0.50	
11/16/2005	<100	<20	32	<0.50	<0.50	<0.50	<0.50	<0.50	a
5/31/2006	<300	<20	20	<0.50	<0.50	<0.50	<0.50	<0.50	a
12/6/2006	<300	<20	20	<0.50	<0.50	<0.50	<0.50	<0.50	a
5/15/2007	<300	<20	40	<0.50	<0.50	<0.50	<0.50	<0.50	
11/29/2007	<300	<20	35	<0.50	<0.50	<0.50	<0.50	<0.50	
5/6/2008	<300	<10	14	<0.50	<0.50	<0.50	<0.50	<0.50	
11/24/2008	<600	<20	28	<1.0	<1.0	<1.0	<1.0	<1.0	
MW-4									
4/11/2002	--	--	11	--	--	--	--	--	
11/27/2002	--	--	6.5	--	--	--	--	--	
6/3/2003	<500	<100	120	<2.5	<2.5	<2.5	<2.5	<2.5	
11/13/2003	<100	<20	20	<0.50	<0.50	<0.50	--	--	
05/12/2004	<500	<100	79	<2.5	<2.5	<2.5	<2.5	<2.5	
12/01/2004	<100	<20	1.8	<0.50	<0.50	<0.50	<0.50	<0.50	
05/02/2005	<100	75	11	<0.50	<0.50	<0.50	<0.50	<0.50	
11/16/2005	<100	<20	0.93	<0.50	<0.50	<0.50	<0.50	<0.50	a
5/31/2006	<300	<20	2.4	<0.50	<0.50	<0.50	<0.50	<0.50	a
12/6/2006	<300	<20	7.8	<0.50	<0.50	<0.50	<0.50	<0.50	a
5/15/2007	<300	<20	2.2	<0.50	<0.50	<0.50	<0.50	<0.50	
11/29/2007	<300	<20	9.1	<0.50	<0.50	<0.50	<0.50	<0.50	
5/6/2008	<300	<10	10	<0.50	<0.50	<0.50	<0.50	<0.50	
11/24/2008	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
4/9/2009	<300	<10	12	<0.50	<0.50	<0.50	<0.50	<0.50	
11/24/2009	<300	<10	1.7	<0.50	<0.50	<0.50	<0.50	<0.50	

Table 2. Summary of Fuel Additives Analytical Data
ARCO Service Station #2035, 1001 San Pablo Ave., Albany, CA

Well ID and Date Monitored	Concentrations in µg/L								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-4 Cont.									
5/26/2010	<300	<10	1.4	<0.50	<0.50	<0.50	<0.50	<0.50	
2/16/2011	<300	<10	2.1	<0.50	<0.50	<0.50	<0.50	<0.50	
5/11/2011	<300	<10	0.75	<0.50	<0.50	<0.50	<0.50	<0.50	
11/28/2011	<300	<10	0.67	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-5									
4/11/2002	--	--	<5.0	--	--	--	--	--	
6/3/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
11/13/2003	<100	<20	0.79	<0.50	<0.50	<0.50	--	--	
12/01/2004	<100	<20	0.55	<0.50	<0.50	<0.50	<0.50	<0.50	
11/16/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	a
12/6/2006	<300	<20	0.99	<0.50	<0.50	<0.50	<0.50	<0.50	a
11/29/2007	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
11/24/2008	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
11/24/2009	<300	<10	0.89	<0.50	<0.50	<0.50	<0.50	<0.50	
2/16/2011	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
11/28/2011	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-6									
4/11/2002	--	--	<5.0	--	--	--	--	--	
11/27/2002	--	--	<0.50	--	--	--	--	--	
6/3/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
11/13/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
12/01/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
11/16/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	a
12/6/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	a
11/29/2007	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
11/24/2008	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
11/24/2009	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
2/16/2011	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
11/28/2011	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-7									

Table 2. Summary of Fuel Additives Analytical Data
ARCO Service Station #2035, 1001 San Pablo Ave., Albany, CA

Well ID and Date Monitored	Concentrations in µg/L								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-7 Cont.									
4/9/2009	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
11/24/2009	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	b
5/26/2010	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
2/16/2011	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
5/11/2011	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
11/28/2011	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-8									
4/9/2009	<300	330	110	5.5	<0.50	<0.50	34	<0.50	
11/24/2009	<60,000	<2,000	<100	<100	<100	<100	<100	<100	b
5/26/2010	<6,000	<200	<10	<10	<10	<10	<10	<10	
2/16/2011	<3,000	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
5/11/2011	<2,400	<80	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	
11/28/2011	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-9									
4/9/2009	<300	<10	2.1	<0.50	<0.50	<0.50	<0.50	<0.50	
11/24/2009	<300	<10	3.8	<0.50	<0.50	<0.50	<0.50	<0.50	
5/26/2010	<300	<10	1.9	<0.50	<0.50	<0.50	<0.50	<0.50	
2/16/2011	<300	<10	3.8	<0.50	<0.50	<0.50	<0.50	<0.50	
5/11/2011	<300	<10	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	
11/28/2011	<300	<10	9.1	<0.50	<0.50	<0.50	<0.50	<0.50	
RW-1									
4/11/2002	--	--	1,500	--	--	--	--	--	
11/27/2002	--	--	<25	--	--	--	--	--	
6/3/2003	<100	22	48	<0.50	<0.50	<0.50	<0.50	<0.50	
11/13/2003	<100	<20	44	<0.50	<0.50	<0.50	--	--	
05/12/2004	<500	<100	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	
12/01/2004	<500	<100	16	<2.5	<2.5	<2.5	<2.5	<2.5	
05/02/2005	<200	<40	50	<1.0	<1.0	<1.0	<1.0	<1.0	
11/16/2005	<200	<40	32	<1.0	<1.0	<1.0	<1.0	<1.0	a
5/31/2006	<300	<20	28	<0.50	<0.50	<0.50	<0.50	<0.50	a

Table 2. Summary of Fuel Additives Analytical Data
ARCO Service Station #2035, 1001 San Pablo Ave., Albany, CA

Well ID and Date Monitored	Concentrations in µg/L								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
RW-1 Cont.									
12/6/2006	<300	<20	19	<0.50	<0.50	<0.50	<0.50	<0.50	a
5/15/2007	<300	<20	18	<0.50	<0.50	<0.50	<0.50	<0.50	
11/29/2007	<300	<20	18	<0.50	<0.50	<0.50	<0.50	<0.50	
5/6/2008	<1,500	<50	2.6	<2.5	<2.5	<2.5	<2.5	<2.5	
11/24/2008	<300	<10	11	<0.50	<0.50	<0.50	<0.50	<0.50	
4/9/2009	<300	<10	4.0	<0.50	<0.50	<0.50	<0.50	<0.50	
11/24/2009	<300	<10	6.5	<0.50	<0.50	<0.50	<0.50	<0.50	
5/26/2010	<300	<10	0.94	<0.50	<0.50	<0.50	<0.50	<0.50	
2/16/2011	<300	<10	1.3	<0.50	<0.50	<0.50	<0.50	<0.50	
5/11/2011	<1,200	<40	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
11/28/2011	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
S-5									
4/11/2002	--	--	<500	--	--	--	--	--	
11/27/2002	--	--	<50	--	--	--	--	--	
6/3/2003	<5,000	<1,000	<25	<25	<25	<25	<25	<25	
6/3/2003	<5,000	<1,000	<25	<25	<25	<25	<25	<25	
6/3/2003	<5,000	<1,000	<25	<25	<25	<25	<25	<25	
6/3/2003	<5,000	<1,000	<25	<25	<25	<25	<25	<25	
11/13/2003	<10,000	<2,000	<50	<50	<50	<50	--	--	
05/12/2004	<10,000	<2,000	<50	<50	<50	<50	<50	<50	
12/01/2004	<5,000	<1,000	<25	<25	<25	<25	<25	<25	
05/02/2005	<1,000	<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
11/16/2005	<1,000	<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	a
5/31/2006	<3,000	<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	a
12/6/2006	<15,000	<1,000	<25	<25	<25	<25	<25	<25	a
5/15/2007	<3,000	<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
11/29/2007	<1,500	<100	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	
5/6/2008	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
11/24/2008	<6,000	<200	<10	<10	<10	<10	<10	<10	
4/9/2009	<6,000	<200	<10	<10	<10	<10	<10	<10	
2/16/2011	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	

Table 2. Summary of Fuel Additives Analytical Data
ARCO Service Station #2035, 1001 San Pablo Ave., Albany, CA

Well ID and Date Monitored	Concentrations in µg/L								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
S-5 Cont.									
5/11/2011	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	

Symbols & Abbreviations:

-- = Not analyzed/applicable/measured/available

< = Not detected at or above the laboratory reporting limit

1,2-DCA = 1,2-Dichloroethane

DIPE = Diisopropyl ether

EDB = 1,2-Dibromoethane

ETBE = Ethyl tert-butyl ether

MTBE = Methyl tert-butyl ether

TAME = tert-Amyl methyl ether

TBA = tert-Butyl alcohol

µg/L = Micrograms per Liter

Footnote:

a = Calibration verification for ethanol was within method limits but outside contract limits

b = Sample taken from VOA vial with air bubble > 6mm diameter

c = LW Quantitated against gasoline

Notes:

All volatile organic compounds analyzed using EPA Method 8260B

The data within this table collected prior to April 2006 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information