



**CONESTOGA-ROVERS
& ASSOCIATES**

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TRANSMITTAL

DATE: August 29, 2011 REFERENCE NO.: 240733
PROJECT NAME: 2120 Montana Street, Oakland
TO: Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

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Environmental Health

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QUANTITY	DESCRIPTION
1	Groundwater Monitoring Report - Second 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)
SF Data Room (electronic copy)

Completed by: Peter Schaefer Signed: *Peter Schaefer*

Filing: **Correspondence File**



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

Denis L. Brown
Shell Oil Products US
HSE – Environmental Services
20945 S. Wilmington Ave.
Carson, CA 90810-1039
Tel (707) 865 0251
Fax (707) 865 2542
Email denis.l.brown@shell.com

Re: Shell-branded Service Station
2120 Montana Street
Oakland, California
SAP Code 135675
Incident No. 98995740
ACEH Case No. RO0000173

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 - SECOND QUARTER 2011

**SHELL-BRANDED SERVICE STATION
2120 MONTANA STREET
OAKLAND, CALIFORNIA**

**SAP CODE 135675
INCIDENT NO. 98995740
AGENCY NO. RO0000173**

AUGUST 29, 2011

REF. NO. 240733 (13)

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	2120 Montana Street, Oakland
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.	RO0000173
Shell SAP Code	135675
Shell Incident No.	98995740

Date of most recent agency correspondence was July 24, 2009.

2.0 SITE ACTIVITIES, FINDINGS, AND DISCUSSION

2.1 CURRENT QUARTER'S ACTIVITIES

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

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

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Generally southerly to southwesterly
----------------------------	--------------------------------------

Hydraulic Gradient

0.03

Depth to Water

10.00 to 13.87 feet below top of well casing

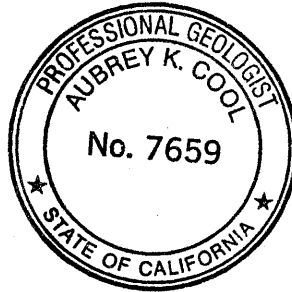
2.3 PROPOSED ACTIVITIES

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

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

Peter Schaefer
Peter Schaefer, CHG, CEG

Aubrey K. Cool
Aubrey K. Cool, PG



FIGURES

I:\Shell\6-chars\2407--\240733-Oakland 2120 Montana\240733-FIGURES\240733 VICINITY.A1

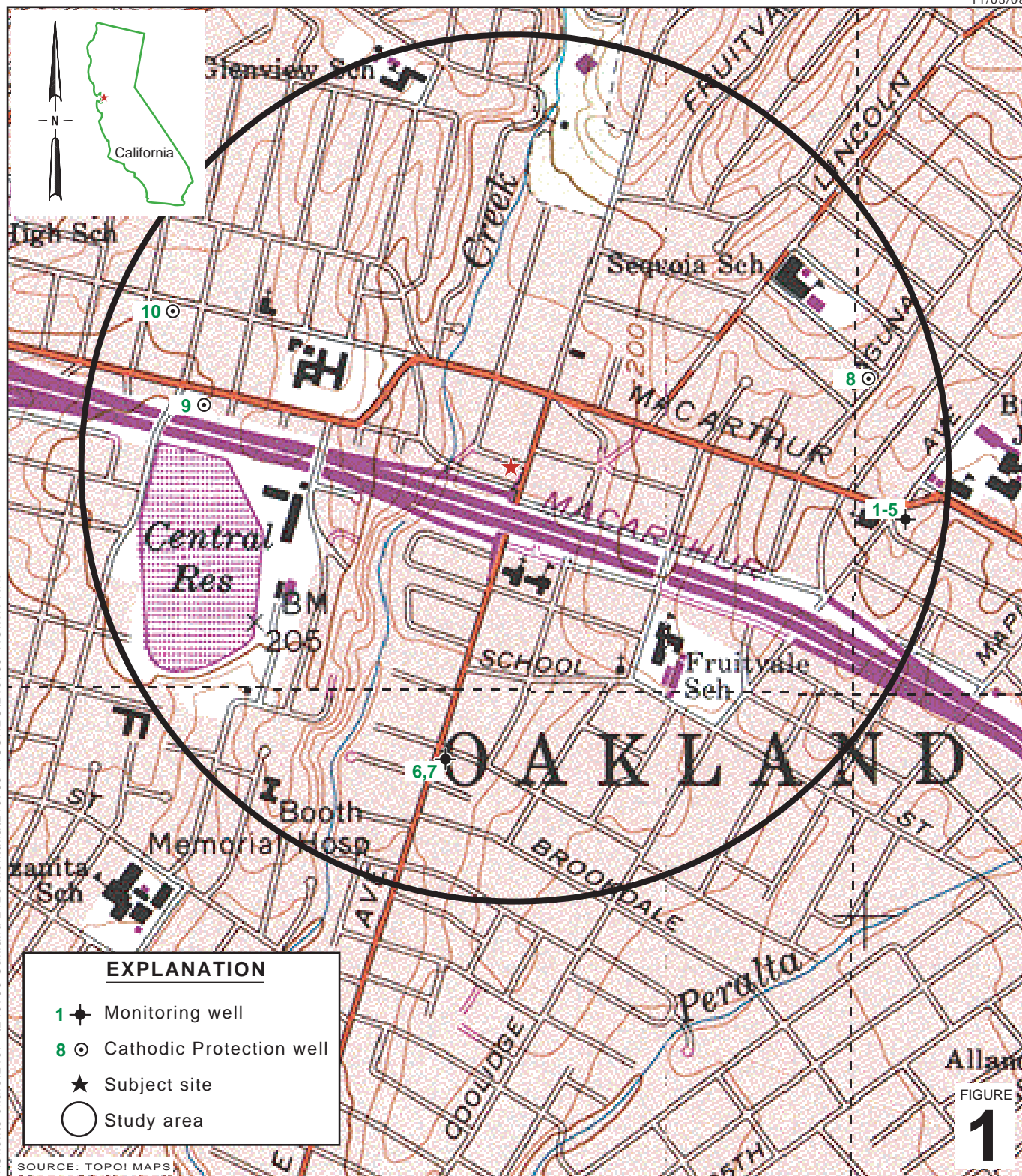


FIGURE 1

Shell-branded Service Station
 2120 Montana Street
 Oakland, California



**CONESTOGA-ROVERS
 & ASSOCIATES**

Vicinity Map



EXPLANATION

- EW-1** Extraction well location
- MW-1** Well formerly used for groundwater extraction
- MW-2** Monitoring well location
- TBW-N** Tank backfill well location
- SV-D** Soil vapor sampling location (06/14-16/05)
- SV-A** Attempted soil vapor sampling location (6/14/05)
- INF** GWE system sampling location

- Remediation piping (R)
- Discharge line (D)
- Electrical line (E)
- Overhead electric line (OE)
- Sanitary sewer (SS)
- Water line (W)
- Telecommunications line (T)

- Product dispenser number
- Groundwater flow direction and gradient
- Groundwater elevation contour, in feet above mean sea level (msl)

Well	ELEV
Well designation	Groundwater elevation, in feet above msl
Benzene	Benzene and MTBE concentrations are in micrograms per liter
MTBE	

Notes:
ND = Not detected

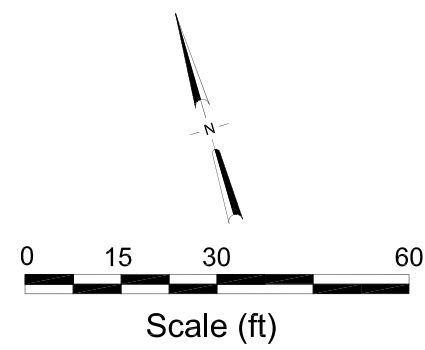
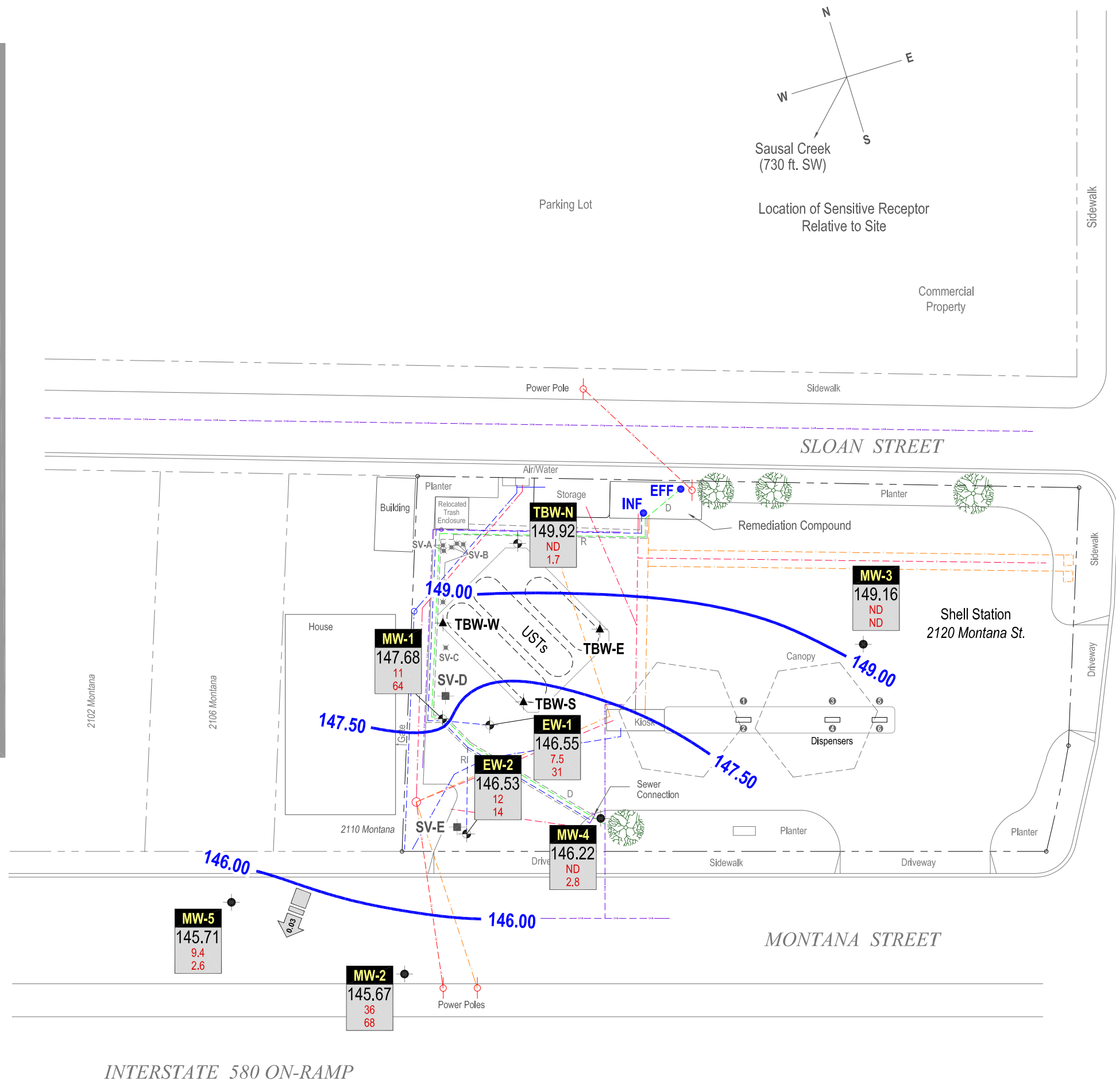


FIGURE
2

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TABLES

**GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
2120 MONTANA STREET, OAKLAND, CALIFORNIA**

<i>Well ID</i>	<i>Date</i>	<i>TPHg (µg/L)</i>	<i>B (µg/L)</i>	<i>T (µg/L)</i>	<i>E (µg/L)</i>	<i>X (µg/L)</i>	<i>MTBE (µg/L)</i>	<i>TBA (µg/L)</i>	<i>DIPE (µg/L)</i>	<i>ETBE (µg/L)</i>	<i>TAME (µg/L)</i>	<i>TOC (ft MSL)</i>	<i>Depth to Water (ft TOC)</i>	<i>GW Elevation (ft MSL)</i>	<i>SPH Thickness (ft)</i>
MW-1	03/19/2001	---	---	---	---	---	---	---	---	---	---	159.59	12.14	147.45	---
MW-1	03/23/2001	16,600	753	1,720	407	2,330	27,500	---	---	---	---	159.59	12.25	147.34	---
MW-1	05/31/2001	<20,000	1,000	920	490	2,000	54,000	---	---	---	---	159.59	12.22	147.37	---
MW-1	06/27/2001	---	---	---	---	---	---	---	---	---	---	159.59	13.00b	---	---
MW-1	07/09/2001	---	---	---	---	---	---	---	---	---	---	159.59	13.17	146.67	0.31
MW-1	09/25/2001	---	---	---	---	---	---	---	---	---	---	159.59	14.27	145.66	0.43
MW-1	11/20/2001	---	---	---	---	---	---	---	---	---	---	159.59	13.49	146.14	0.05
MW-1	12/05/2001	---	---	---	---	---	---	---	---	---	---	159.59	11.32	148.31	0.05
MW-1	03/01/2002	---	---	---	---	---	---	---	---	---	---	159.59	13.22	146.56	0.24
MW-1	06/06/2002	---	---	---	---	---	---	---	---	---	---	159.59	12.99	147.00	0.50
MW-1	07/16/2002	---	---	---	---	---	---	---	---	---	---	159.59	13.37	146.22	---
MW-1	09/06/2002	---	---	---	---	---	---	---	---	---	---	159.57	13.30	146.70	0.54
MW-1	12/12/2002	---	---	---	---	---	---	---	---	---	---	159.57	13.78	146.61	1.03
MW-1	03/31/2003	---	---	---	---	---	---	---	---	---	---	159.57	11.21	148.38	0.03
MW-1	06/30/2003	7,800	<25	37	<25	380	2,000	---	---	---	---	159.57	12.20	147.37	---
MW-1	09/09/2003	---	---	---	---	---	---	---	---	---	---	159.08	15.70	145.28	2.38
MW-1	12/29/2003	---	---	---	---	---	---	---	---	---	---	159.08	11.25	147.89	0.07
MW-1	03/17/2004	---	---	---	---	---	---	---	---	---	---	159.08	11.80	147.40	0.15
MW-1	05/24/2004	---	---	---	---	---	---	---	---	---	---	159.08	12.42	146.71	0.06
MW-1	09/17/2004	8,000	530	380	330	960	1,100	4,100	<20	<20	<20	159.08	15.95	143.13	---
MW-1	12/06/2004	2,800	150	<5.0	120	120	300	---	---	---	---	159.08	13.15	145.93	---
MW-1	03/02/2005	13,000	490	710	360	2,200	5,000	---	---	---	---	159.08	12.14	146.94	---
MW-1	06/10/2005	5,600	210	120	120	910	3,100	---	---	---	---	159.08	---	---	<0.01
MW-1	09/01/2005	<1,300	73	<13	30	42	2,400	13,000	<50	<50	<50	159.08	11.71	147.37	---
MW-1	11/16/2005	4,150	62.7	10.9	45.2	98.9	845	---	---	---	---	159.08	11.71	147.37	---
MW-1 i	03/03/2006	<50.0	<0.500	<0.500	<0.500	<0.500	0.790	<10.0	---	---	---	159.08	13.37	145.71	---
MW-1	05/12/2006	3,430	80.0	0.530	26.8	71.9	154	1,040	---	---	---	159.08	17.41	141.67	---
MW-1	09/05/2006	5,390	24.8	2.44	6.69	22.2	106	4,860	<0.500	<0.500	<0.500	159.08	12.12	146.96	---
MW-1	12/18/2006	6,800	120	28	110	840	1,100	5,400	---	---	---	159.08	10.74	148.34	---
MW-1	03/21/2007	Well inaccessible		---	---	---	---	---	---	---	---	159.08	---	---	---

**GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
2120 MONTANA STREET, OAKLAND, CALIFORNIA**

<i>Well ID</i>	<i>Date</i>	<i>TPHg (µg/L)</i>	<i>B (µg/L)</i>	<i>T (µg/L)</i>	<i>E (µg/L)</i>	<i>X (µg/L)</i>	<i>MTBE (µg/L)</i>	<i>TBA (µg/L)</i>	<i>DIPE (µg/L)</i>	<i>ETBE (µg/L)</i>	<i>TAME (µg/L)</i>	<i>TOC (ft MSL)</i>	<i>Depth to Water (ft TOC)</i>	<i>GW Elevation (ft MSL)</i>	<i>SPH Thickness (ft)</i>
MW-1	06/14/2007	6,200	18	<5.0	11	4.6 k	68	1,800	--	--	--	159.08	19.82	139.26	--
MW-1	08/27/2007	2,700 l	13	<5.0	3.9 k	5.6 k	54	1,200	<10	<10	<10	159.08	12.20	146.88	--
MW-1	11/29/2007	2,600 l	20	1.9 k	8.3	29.4	350	4,100	--	--	--	159.08	11.68	147.40	--
MW-1	03/21/2008	4,600	42	<5.0	120	94	300	3,200	--	--	--	159.08	11.59	147.49	--
MW-1	05/29/2008	1,800	11	<5.0	<5.0	<5.0	150	3,900	--	--	--	159.08	11.87	147.21	--
MW-1	08/29/2008	2,400	42	<5.0	23	<5.0	320	4,700	<10	<10	<10	159.08	12.33	146.75	--
MW-1	12/29/2008	2,700	30	<5.0	28	45	460	3,300	--	--	--	159.08	11.21	147.87	--
MW-1	03/05/2009	2,000	15	<5.0	<5.0	66	83	980	--	--	--	159.08	8.98	150.10	--
MW-1	05/27/2009	2,100	25	<1.0	69	52	220	2,500	--	--	--	159.08	11.71	147.37	--
MW-1	12/28/2009	1,500	8.5	<2.0	8.8	7.4	140	1,800	<4.0	<4.0	<4.0	159.08	11.13	147.95	--
MW-1	06/02/2010	2,100	22	<2.0	73	51	140	2,600	--	--	--	159.08	11.10	147.98	--
MW-1	12/28/2010	3,700	26	<2.0	69	260	100	1,400	<4.0	<4.0	<4.0	159.08	9.95	149.13	--
MW-1	06/20/2011	2,000	11	<0.50	93	120	64	1,400	--	--	--	159.08	11.40	147.68	--
MW-2	03/19/2001	--	--	--	--	--	--	--	--	--	--	158.03	11.60	146.43	--
MW-2	03/23/2001	4,450	280	41.0	62.1	63.0	16,600	--	--	--	--	158.03	11.76	146.27	--
MW-2	05/31/2001	<20,000	820	<200	<200	<200	63,000	--	--	--	--	158.03	11.40	146.63	--
MW-2	06/27/2001	<50,000	610	4.0	13	9.2	47,000	--	--	--	--	158.03	12.65	145.38	--
MW-2	09/25/2001	<2,000	41	<20	<20	<20	6,400	--	--	--	--	158.03	12.89	145.14	--
MW-2	12/05/2001	<2,000	74	<20	<20	<20	8,400	--	--	--	--	158.03	10.40	147.63	--
MW-2	03/01/2002	<1,000	<10	<10	<10	<10	2,900	--	--	--	--	158.03	11.52	146.51	--
MW-2	06/06/2002	<5,000	210	<50	<50	<50	23,000	--	--	--	--	158.03	12.15	145.88	--
MW-2	07/16/2002	--	--	--	--	--	--	--	--	--	--	158.03	12.25	145.78	--
MW-2	09/06/2002	<2,000	56	<20	<20	<20	11,000	--	--	--	--	158.01	12.44	145.57	--
MW-2	12/12/2002	<2,500	80	<25	<25	<25	13,000	--	--	--	--	158.01	12.53	145.48	--
MW-2	03/31/2003	<5,000	230	1,200	95	150	13,000	--	--	--	--	158.01	11.98	146.03	--
MW-2	06/30/2003	<12,000	780	<120	170	250	9,000	--	--	--	--	158.01	12.10	145.91	--
MW-2	09/09/2003	140,000	4,600	40,000	4,800	32,000	11,000	--	--	--	--	158.01	12.94	145.07	--
MW-2	12/29/2003	220,000	240	4,800	2,900	19,000	1,000	--	--	--	--	158.01	11.20	146.81	--
MW-2	03/17/2004	25,000	170	390	280	1,400	1,500	--	--	--	--	158.01	11.40	146.61	--

**GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
2120 MONTANA STREET, OAKLAND, CALIFORNIA**

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to	GW	SPH
													Water	Elevation	Thickness
													(ft TOC)	(ft MSL)	(ft)
MW-2	05/24/2004	140,000	<25	220	1,200	6,800	320	---	---	---	---	158.01	12.28	145.73	---
MW-2	09/17/2004	64,000	2,900	230	2,300	9,700	6,300	4,100	<100	<100	<100	158.01	12.90	145.11	---
MW-2	12/06/2004	47,000	1,200	46	1,300	6,000	3,900	---	---	---	---	158.01	13.02	144.99	---
MW-2	03/02/2005	85,000	1,600	81	1,900	6,900	2,500	---	---	---	---	158.01	11.06	146.95	---
MW-2	06/10/2005	100,000	450	<25	440	800	300	---	---	---	---	158.01	11.71	146.30	---
MW-2	09/01/2005	140,000 m	490	<25	550	850	110	1,900	<100	<100	<100	158.01	12.11	145.90	---
MW-2	11/16/2005	473,000 j	776	18.7	1,300	2,730	374	---	---	---	---	158.01	12.15	145.86	---
MW-2 i	03/03/2006	4,830	6.25	2.29	14.6	5.45	106	228	---	---	---	158.01	11.40	146.61	---
MW-2	05/12/2006	7,610	1,200	27.9	858	396	688	681	---	---	---	158.01	14.22	143.79	---
MW-2	09/05/2006	84,000	683	10.2	314	300	96.7	1,250	<0.500	<0.500	<0.500	158.01	12.20	145.81	---
MW-2	12/18/2006	19,000	230	6.2	130	64	94	1,600	---	---	---	158.01	11.03	146.98	---
MW-2	03/21/2007	30,000	380	31	460	290	95	1,700	---	---	---	158.01	11.75	146.26	---
MW-2	06/14/2007	Well inaccessible	---	---	---	---	---	---	---	---	---	158.01	---	---	---
MW-2	08/27/2007	83,000 l	220	8.7 k	99	24.5k	<10	980	<20	<20	<20	158.01	12.54	145.47	---
MW-2	11/29/2007	23,000 l	28	<10	20	<10	<10	1,200	---	---	---	158.01	11.77	146.24	---
MW-2	03/21/2008	Well inaccessible	---	---	---	---	---	---	---	---	---	158.01	---	---	---
MW-2	05/29/2008	14,000	130	14	78	6.8	130	1,000	---	---	---	158.01	12.11	145.90	---
MW-2	08/29/2008	14,000	120	10	23	6.6	60	810	<10	<10	<10	158.01	12.32	145.69	---
MW-2	12/29/2008	33,000	110	<10	15	<10	58	890	---	---	---	158.01	11.61	146.40	---
MW-2	03/05/2009	22,000	250	55	130	60	130	1,200	---	---	---	158.01	9.60	148.41	---
MW-2	05/27/2009	11,000	150	20	110	49	110	740	---	---	---	158.01	12.08	145.93	---
MW-2	12/28/2009	20,000	120	9.5	16	11	85	720	<10	<10	<10	158.01	11.79	146.22	---
MW-2	06/02/2010	59,000	100	<20	36	<20	75	600	---	---	---	158.01	11.92	146.09	---
MW-2	12/28/2010	9,100	120	8.9	52	26	50	700	<10	<10	<10	158.01	10.84	147.17	---
MW-2	06/20/2011	12,000	36	8.8	28	21	68	570	---	---	---	158.01	12.34	145.67	---
MW-3	03/19/2001	---	---	---	---	---	---	---	---	---	---	161.13	11.42	149.71	---
MW-3	03/23/2001	<50.0	<0.500	<0.500	<0.500	<0.500	1.26	---	---	---	---	161.13	11.42	149.71	---
MW-3	05/31/2001	<50	<0.50	<0.50	<0.50	<0.50	<5.0	---	---	---	---	161.13	13.00	148.13	---
MW-3	06/27/2001	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	161.13	12.32	148.81	---

TABLE 1

**GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
2120 MONTANA STREET, OAKLAND, CALIFORNIA**

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)
MW-3	09/25/2001	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	161.13	12.50	148.63	---
MW-3	12/05/2001	<50	<0.50	<0.50	<0.50	<0.50	<5.0	---	---	---	---	161.13	10.13	151.00	---
MW-3	03/01/2002	<50	<0.50	<0.50	<0.50	0.73	<5.0	---	---	---	---	161.13	11.63	149.50	---
MW-3	06/06/2002	<50	<0.50	<0.50	<0.50	<0.50	<5.0	---	---	---	---	161.13	11.55	149.58	---
MW-3	07/16/2002	---	---	---	---	---	---	---	---	---	---	161.13	11.72	149.41	---
MW-3	09/06/2002	<50	<0.50	<0.50	<0.50	<0.50	<5.0	---	---	---	---	161.11	12.24	148.87	---
MW-3	12/12/2002	<50	<0.50	<0.50	<0.50	<0.50	<5.0	---	---	---	---	161.11	12.18	148.93	---
MW-3	03/31/2003	<50	<0.50	<0.50	<0.50	<1.0	0.78	---	---	---	---	161.11	11.94	149.17	---
MW-3	06/30/2003	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---	161.11	12.50	148.61	---
MW-3	09/09/2003	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---	161.11	12.55	148.56	---
MW-3	12/29/2003	<50	<0.50	<0.50	<0.50	<1.0	0.70	---	---	---	---	161.11	10.90	150.21	---
MW-3	03/17/2004	<50	<0.50	<0.50	<0.50	<1.0	2.1	---	---	---	---	161.11	11.63	149.48	---
MW-3	05/24/2004	<50	<0.50	<0.50	<0.50	1.0	0.96	---	---	---	---	161.11	11.32	149.79	---
MW-3	09/17/2004	<50	<0.50	<0.50	<0.50	1.0	2.6	<5.0	<2.0	<2.0	<2.0	161.11	12.13	148.98	---
MW-3	12/06/2004	<50	<0.50	<0.50	<0.50	<1.0	6.1	---	---	---	---	161.11	12.28	148.83	---
MW-3	03/02/2005	<50	<0.50	<0.50	<0.50	<1.0	2.4	---	---	---	---	161.11	10.42	150.69	---
MW-3	06/10/2005	<50	<0.50	<0.50	<0.50	<1.0	1.6	---	---	---	---	161.11	11.15	149.96	---
MW-3	09/01/2005	<50	<0.50	<0.50	<0.50	<1.0	0.54	<5.0	<2.0	<2.0	<2.0	161.11	12.55	148.56	---
MW-3	11/16/2005	<50.0	<0.500	<0.500	<0.500	<0.500	0.570	---	---	---	---	161.11	12.04	149.07	---
MW-3 i	03/03/2006	16,000 j	191	107 j	127	997 j	1090 j	---	---	---	---	161.11	10.36	150.75	---
MW-3	05/12/2006	<50.0	<0.500	<0.500	<0.500	<0.500	1.45	---	---	---	---	161.11	12.24	148.87	---
MW-3	09/05/2006	<50.0	<0.500	<0.500	<0.500	<0.500	1.62	<10.0	<0.500	<0.500	<0.500	161.11	12.52	148.59	---
MW-3	12/18/2006	<50	<0.50	<0.50	<0.50	<1.0	0.88	---	---	---	---	161.11	11.00	150.11	---
MW-3	03/21/2007	<50	<0.50	<0.50	<0.50	<1.0	<1.0	---	---	---	---	161.11	12.10	149.01	---
MW-3	06/14/2007	100	<0.50	<1.0	<1.0	<1.0	2.4	---	---	---	---	161.11	12.08	149.03	---
MW-3	08/27/2007	<50 l	<0.50	<1.0	<1.0	<1.0	1.3	<10	<2.0	<2.0	<2.0	161.11	12.54	148.57	---
MW-3	11/29/2007	<50 l	<0.50	<1.0	<1.0	<1.0	0.52 k	---	---	---	---	161.11	12.09	149.02	---
MW-3	03/21/2008	<50	<0.50	<1.0	<1.0	<1.0	<1.0	---	---	---	---	161.11	12.20	148.91	---
MW-3	05/29/2008	<50	<0.50	<1.0	<1.0	<1.0	<1.0	---	---	---	---	161.11	12.12	148.99	---
MW-3	08/29/2008	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	161.11	12.49	148.62	---

**GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
2120 MONTANA STREET, OAKLAND, CALIFORNIA**

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)
MW-3	12/29/2008	<50	<0.50	<1.0	<1.0	<1.0	<1.0	---	---	---	---	161.11	11.40	149.71	---
MW-3	03/05/2009	<50	<0.50	<1.0	<1.0	<1.0	<1.0	---	---	---	---	161.11	9.50	151.61	---
MW-3	05/27/2009	<50	<0.50	<1.0	<1.0	<1.0	<1.0	---	---	---	---	161.11	11.83	149.28	---
MW-3	12/28/2009	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	161.11	11.68	149.43	---
MW-3	06/02/2010	<50	<0.50	<1.0	<1.0	<1.0	<1.0	---	---	---	---	161.11	11.71	149.40	---
MW-3	12/28/2010	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	161.11	10.80	150.31	---
MW-3	06/20/2011	<50	<0.50	<0.50	<0.50	<1.0	<1.0	---	---	---	---	161.11	11.95	149.16	---
MW-4	07/10/2002	---	---	---	---	---	---	---	---	---	---	---	13.19	---	---
MW-4	07/16/2002	800	1.1	1.1	2.6	2.4	450	---	---	---	---	---	13.56	---	---
MW-4	09/06/2002	1,100	3.0	1.8	8.0	4.6	110	---	---	---	---	160.09	13.67	146.42	---
MW-4	12/12/2002	130	<0.50	<0.50	<0.50	<0.50	940	---	---	---	---	160.09	14.06	146.03	---
MW-4	03/31/2003	<250	<2.5	<2.5	<2.5	<5.0	500	---	---	---	---	160.09	13.69	146.40	---
MW-4	06/30/2003	3,100	5.3	<5.0	7.1	<10	420	---	---	---	---	160.09	14.12	145.97	---
MW-4	09/09/2003	1,400	2.4	2.0	2.6	3.2	140	---	---	---	---	160.09	14.92	145.17	---
MW-4	12/29/2003	2,700	10	6.2	20	11	420	---	---	---	---	160.09	12.71	147.38	---
MW-4	03/17/2004	1,900	6.9	3.0	33	22	290	---	---	---	---	160.09	13.24	146.85	---
MW-4	05/24/2004	1,800	<2.5	<2.5	<2.5	11	44	---	---	---	---	160.09	14.03	146.06	---
MW-4	09/17/2004	3,300	57	10	47	32	310	700	<10	<10	<10	160.09	13.58	146.51	---
MW-4	12/06/2004	4,700	9.4	3.8	34	12	150	---	---	---	---	160.09	14.65	145.44	---
MW-4	03/02/2005	<1,300	<13	<13	<13	<25	150	---	---	---	---	160.09	12.67	147.42	---
MW-4	06/10/2005	2,600	4.1	1.9	25	5.6	61	---	---	---	---	160.09	13.11	146.98	---
MW-4	09/01/2005	4,000 m	<13	<13	22	<25	36	<130	<50	<50	<50	160.09	14.00	146.09	---
MW-4	11/16/2005	4,740	3.23	1.75	12.8	6.06	12.2	---	---	---	---	160.09	13.87	146.22	---
MW-4 i	03/03/2006	79,300 j	649 j	37.2	470 j	326	577 j	---	---	---	---	160.09	12.80	147.29	---
MW-4	05/12/2006	2,750	8.03	<0.500	<0.500	<0.500	244	---	---	---	---	160.09	16.26	143.83	---
MW-4	09/05/2006	2,230	2.04	1.24	<0.500	1.50	95.9	239	<0.500	<0.500	<0.500	160.09	13.92	146.17	---
MW-4	12/18/2006	1,400	4.3	1.7	7.3	2.8	140	---	---	---	---	160.09	12.71	147.38	---
MW-4	03/21/2007	540	0.68	0.51	4.0	<1.0	140	---	---	---	---	160.09	13.35	146.74	---
MW-4	06/14/2007	---	---	---	---	---	---	---	---	---	---	160.09	19.02	141.07	---

TABLE 1

**GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
2120 MONTANA STREET, OAKLAND, CALIFORNIA**

<i>Well ID</i>	<i>Date</i>	<i>TPHg (µg/L)</i>	<i>B (µg/L)</i>	<i>T (µg/L)</i>	<i>E (µg/L)</i>	<i>X (µg/L)</i>	<i>MTBE (µg/L)</i>	<i>TBA (µg/L)</i>	<i>DIPE (µg/L)</i>	<i>ETBE (µg/L)</i>	<i>TAME (µg/L)</i>	<i>TOC (ft MSL)</i>	<i>Depth to Water (ft TOC)</i>	<i>GW Elevation (ft MSL)</i>	<i>SPH Thickness (ft)</i>
MW-4	08/27/2007	880 l,m	0.38 k	<1.0	<1.0	<1.0	8.5	98	<2.0	<2.0	<2.0	160.09	13.92	146.17	---
MW-4	11/29/2007	3,200 l	1.9	1.2	1.9	2.55 k	<1.0	---	---	---	---	160.09	13.50	146.59	---
MW-4	03/21/2008	350	<0.50	<1.0	<1.0	<1.0	8.2	---	---	---	---	160.09	13.45	146.64	---
MW-4	05/29/2008	1,800	1.6	<1.0	1.8	1.5	13	---	---	---	---	160.09	13.73	146.36	---
MW-4	08/29/2008	1,300	1.5	<1.0	1.2	1.3	13	54	<2.0	<2.0	<2.0	160.09	14.08	146.01	---
MW-4	12/29/2008	1,700	1.8	1.4	2.3	1.6	8.9	---	---	---	---	160.09	13.13	146.96	---
MW-4	03/05/2009	1,800	1.6	<1.0	<1.0	<1.0	16	---	---	---	---	160.09	11.12	148.97	---
MW-4	05/27/2009	2,000	4.6	1.8	3.5	2.2	28	---	---	---	---	160.09	13.35	146.74	---
MW-4	12/28/2009	1,100	0.66	<1.0	<1.0	<1.0	7.4	72	<2.0	<2.0	<2.0	160.09	13.35	146.74	---
MW-4	06/02/2010	1,400	1.5	<1.0	1.8	1.0	8.6	---	---	---	---	160.09	13.33	146.76	---
MW-4	12/28/2010	1,100	<0.50	<1.0	<1.0	<1.0	5.8	50	<2.0	<2.0	<2.0	160.09	12.38	147.71	---
MW-4	06/20/2011	90	<0.50	<0.50	<0.50	<1.0	2.8	---	---	---	---	160.09	13.87	146.22	---
MW-5	07/10/2002	---	---	---	---	---	---	---	---	---	---	---	12.22	---	---
MW-5	07/16/2002	6,100	65	7.2	100	130	410	---	---	---	---	---	12.50	---	---
MW-5	09/06/2002	5,900	100	8.1	41	32	230	---	---	---	---	158.25	12.77	145.48	---
MW-5	12/12/2002	4,900	70	5.7	25	17	280	---	---	---	---	158.25	12.71	145.54	---
MW-5	03/31/2003	6,400	61	4.9	23	13	330	---	---	---	---	158.25	11.93	146.32	---
MW-5	06/30/2003	3,400	18	<2.5	17	5.5	47	---	---	---	---	158.25	11.97	146.28	---
MW-5	09/09/2003	6,800	46	23	39	42	67	---	---	---	---	158.25	12.44	145.81	---
MW-5	12/29/2003	8,400	44	6.2	36	16	60	---	---	---	---	158.25	11.38	146.87	---
MW-5	03/17/2004	7,100	120	22	42	27	300	---	---	---	---	158.25	11.68	146.57	---
MW-5	05/24/2004	6,100	72	17	34	23	110	---	---	---	---	158.25	12.30	145.95	---
MW-5	09/17/2004	5,700	27	5.3	35	<10	28	<50	<20	<20	<20	158.25	12.15	146.10	---
MW-5	12/06/2004	4,500	11	<5.0	22	<10	7.5	---	---	---	---	158.25	12.85	145.40	---
MW-5	03/02/2005	6,500	14	<2.5	18	<5.0	6.0	---	---	---	---	158.25	10.83	147.42	---
MW-5	06/10/2005	5,300	19	2.4	17	4.3	7.2	---	---	---	---	158.25	12.00	146.25	---
MW-5	09/01/2005	1,900 m	5.3	<2.5	6.9	<5.0	<2.5	<25	<10	<10	<10	158.25	12.30	145.95	---
MW-5	11/16/2005	3,590	4.66	0.580	7.69	1.45	1.13	---	---	---	---	158.25	12.58	145.67	---
MW-5	03/03/2006	5,760	7.08	0.960	8.46	2.18	2.65	---	---	---	---	158.25	11.15	147.10	---

TABLE 1

**GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
2120 MONTANA STREET, OAKLAND, CALIFORNIA**

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to	GW	SPH
													Water	Elevation	Thickness
													(ft TOC)	(ft MSL)	(ft)
MW-5	05/12/2006	1,960	3.66	<0.500	1.03	<0.500	1.45	---	---	---	---	158.25	12.55	145.70	---
MW-5	09/05/2006	3,730	4.23	0.780	3.19	0.790	1.77	32.9	<0.500	<0.500	<0.500	158.25	12.70	145.55	---
MW-5	12/18/2006	1,600	5.1	0.66	6.0	3.3	<0.50	---	---	---	---	158.25	11.40	146.85	---
MW-5	03/21/2007	210	1.7	<0.50	<0.50	<1.0	<1.0	---	---	---	---	158.25	12.17	146.08	---
MW-5	06/14/2007	2,300	1.5	<1.0	0.43 k	<1.0	<1.0	---	---	---	---	158.25	13.50	144.75	---
MW-5	08/27/2007	2,500 l,m	3.2	0.41 k	2.8	2.48 k	<1.0	6.8 k	<2.0	<2.0	<2.0	158.25	12.55	145.70	---
MW-5	11/29/2007	2,300 l	7.8	0.45 k	0.75 k	0.60 k	<1.0	---	---	---	---	158.25	11.97	146.28	---
MW-5	03/21/2008	1,400	24	5.5	1.8	2.2	6.6	---	---	---	---	158.25	11.70	146.55	---
MW-5	05/29/2008	1,400	33	2.9	<1.0	3.2	6.9	---	---	---	---	158.25	12.27	145.98	---
MW-5	08/29/2008	960	14	<1.0	<1.0	1.4	4.3	<10	<2.0	<2.0	<2.0	158.25	12.46	145.79	---
MW-5	12/29/2008	1,200	12	<1.0	<1.0	<1.0	<1.0	---	---	---	---	158.25	11.80	146.45	---
MW-5	03/05/2009	1,900	24	2.9	3.7	7.9	<1.0	---	---	---	---	158.25	9.82	148.43	---
MW-5	05/27/2009	1,400	23	1.7	2.0	4.9	4.4	---	---	---	---	158.25	12.34	145.91	---
MW-5	12/28/2009	980	7.5	<1.0	<1.0	<1.0	2.3	<10	<2.0	<2.0	<2.0	158.25	12.18	146.07	---
MW-5	06/02/2010	1,200	12	<1.0	<1.0	3.1	<1.0	---	---	---	---	158.25	12.04	146.21	---
MW-5	12/28/2010	970	5.5	<1.0	<1.0	<1.0	1.3	<10	<2.0	<2.0	<2.0	158.25	11.11	147.14	---
MW-5	06/20/2011	1,400	9.4	0.90	0.99	3.6	2.6	---	---	---	---	158.25	12.54	145.71	---
TBW-N	09/25/2001 c	120,000	3,200	2,800	4,000	18,000	31,000	---	---	---	---	---	12.25	---	---
TBW-N	11/20/2001	72,000	2,200	3,600	2,600	14,000	35,000	---	---	---	---	---	12.13	---	---
TBW-N	12/05/2001	76,000	1,600	3,200	2,900	15,000	30,000	---	---	---	---	---	11.51	---	---
TBW-N	03/01/2002	91,000	1,200	4,200	2,800	14,000	29,000	---	---	---	---	---	11.88	---	---
TBW-N	06/06/2002	100,000	2,100	8,200	3,400	17,000	18,000	---	---	---	---	---	12.48	---	---
TBW-N	07/16/2002	---	---	---	---	---	---	---	---	---	---	---	12.39	---	---
TBW-N	09/06/2002	69,000	870	4,800	2,300	11,000	17,000	---	---	---	---	161.26	12.36	148.90	---
TBW-N	12/12/2002	Well inaccessible	---	---	---	---	---	---	---	---	---	161.26	---	---	---
TBW-N	12/19/2002	110,000	1,900	13,000	3,100	18,000	19,000	---	---	---	---	161.26	10.82	150.44	---
TBW-N	03/31/2003	62,000	1,600	6,500	2,200	11,000	11,000	---	---	---	---	161.26	10.63	150.63	---
TBW-N	06/30/2003	260,000	7,700	<120	5,800	40,000	8,400	---	---	---	---	161.26	11.51	149.75	---
TBW-N	09/09/2003	---	---	---	---	---	---	---	---	---	---	159.92	11.37	148.64	0.11

TABLE 1

**GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
2120 MONTANA STREET, OAKLAND, CALIFORNIA**

<i>Well ID</i>	<i>Date</i>	<i>TPHg (µg/L)</i>	<i>B (µg/L)</i>	<i>T (µg/L)</i>	<i>E (µg/L)</i>	<i>X (µg/L)</i>	<i>MTBE (µg/L)</i>	<i>TBA (µg/L)</i>	<i>DIPE (µg/L)</i>	<i>ETBE (µg/L)</i>	<i>TAME (µg/L)</i>	<i>TOC (ft MSL)</i>	<i>Depth to Water (ft TOC)</i>	<i>GW Elevation (ft MSL)</i>	<i>SPH Thickness (ft)</i>
TBW-N	12/29/2003	130,000	840	8,200	2,400	18,000	5,400	---	---	---	---	159.92	10.40	149.52	---
TBW-N	03/17/2004	32,000	440	1,500	580	4,500	3,700	---	---	---	---	159.92	10.49	149.44	0.01
TBW-N	05/24/2004	110,000	380	2,600	1,600	11,000	3,100	---	---	---	---	159.92	10.72	149.20	---
TBW-N	09/17/2004	25,000	120	490	570	3,900	490	4,500	<200	<200	<200	159.92	10.80	149.12	---
TBW-N	12/06/2004	15,000	33	11	410	1,500	200	---	---	---	---	159.92	11.00	148.92	---
TBW-N	03/02/2005	7,900	15	<10	120	610	460	---	---	---	---	159.92	10.58	149.34	---
TBW-N	06/10/2005	1,200	<5.0	<5.0	13	25	93	---	---	---	---	159.92	10.68	149.24	---
TBW-N	09/01/2005	3,500 m	<10	<10	86	330	47	1,700	<40	<40	<40	159.92	11.05	148.87	---
TBW-N	11/16/2005	8,830	1.53	1.59	86.6	404	35.0	---	---	---	---	159.92	10.95	148.97	---
TBW-N	03/03/2006	955	<0.500	<0.500	1.25	<0.500	70.4	4,930	---	---	---	159.92	10.31	149.61	---
TBW-N	05/12/2006	706	<0.500	<0.500	5.81	<0.500	14.5	488	---	---	---	159.92	10.73	149.19	---
TBW-N	09/05/2006	1,230	<0.500	<0.500	6.05	2.68	15.3	265	<0.500	<0.500	<0.500	159.92	11.46	148.46	---
TBW-N	12/18/2006	290	0.68	<0.50	<0.50	<1.0	37	3,400	---	---	---	159.92	10.12	149.80	---
TBW-N	03/21/2007	300	<0.50	<0.50	<0.50	<1.0	15	820	---	---	---	159.92	10.67	149.25	---
TBW-N	06/14/2007	530	<0.50	<1.0	<1.0	<1.0	7.7	240	---	---	---	159.92	11.22	148.70	---
TBW-N	08/27/2007	100 l	0.52	<1.0	<1.0	<1.0	18	40	<2.0	<2.0	<2.0	159.92	11.44	148.48	---
TBW-N	11/29/2007	130 l	0.19 k	<1.0	<1.0	<1.0	7.8	490	---	---	---	159.92	10.58	149.34	---
TBW-N	03/21/2008	56	<0.50	<1.0	<1.0	<1.0	9.3	300	---	---	---	159.92	10.50	149.42	---
TBW-N	05/29/2008	<50	<0.50	<1.0	<1.0	<1.0	4.1	140	---	---	---	159.92	10.66	149.26	---
TBW-N	08/29/2008	54	<0.50	<1.0	<1.0	<1.0	4.3	89	<2.0	<2.0	<2.0	159.92	10.88	149.04	---
TBW-N	12/29/2008	93	<0.50	<1.0	<1.0	<1.0	4.4	740	---	---	---	159.92	10.17	149.75	---
TBW-N	03/05/2009	93	<0.50	<1.0	<1.0	<1.0	6.7	1,900	---	---	---	159.92	8.62	151.30	---
TBW-N	05/27/2009	<250	<2.5	<5.0	<5.0	<5.0	<5.0	160	---	---	---	159.92	10.44	149.48	---
TBW-N	12/28/2009	<50	<0.50	<1.0	<1.0	<1.0	2.5	170	<2.0	<2.0	<2.0	159.92	9.85	150.07	---
TBW-N	06/02/2010	<50	<0.50	<1.0	<1.0	<1.0	2.5	91	---	---	---	159.92	9.76	150.16	---
TBW-N	12/28/2010	63	<0.50	<1.0	<1.0	<1.0	2.6	720	<2.0	<2.0	<2.0	159.92	9.06	150.86	---
TBW-N	06/20/2011	<50	<0.50	<0.50	<0.50	<1.0	1.7	17	---	---	---	159.92	10.00	149.92	---
EW-1	05/05/2006	---	---	---	---	---	---	---	---	---	---	---	15.42	---	---
EW-1	05/12/2006	5,550	52.9	30.2	86.9	249	939	3,900	<0.500	<0.500	<0.500	---	17.33	---	---

**GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
2120 MONTANA STREET, OAKLAND, CALIFORNIA**

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)
EW-1	09/05/2006	2,700	28.3	1.64	11.8	7.98	325	1,900	<0.500	<0.500	<0.500	158.63	12.44	146.19	---
EW-1	12/18/2006	4,900	140	63	170	790	640	---	---	---	---	158.63	11.00	147.63	---
EW-1	03/21/2007	1,000	32	<2.5	14	48	420	---	---	---	---	158.63	14.61	144.02	---
EW-1	06/14/2007	2,100	14	1.1	5.0	9.3	46	---	---	---	---	158.63	21.00	137.63	---
EW-1	08/27/2007	971	<0.50	<1.0	<1.0	0.19 k	3.6	32	<2.0	<2.0	<2.0	158.63	12.80	145.83	---
EW-1	11/29/2007	7,600	110	36	190	1,390	470	---	---	---	---	158.63	11.87	146.76	---
EW-1	03/21/2008	7,300	160	14	400	630	640	---	---	---	---	158.63	12.10	146.53	---
EW-1	05/29/2008	3,600	93	6.0	190	124	340	---	---	---	---	158.63	12.09	146.54	---
EW-1	08/29/2008	1,100	15	1.5	78	36	48	190	<2.0	<2.0	<2.0	158.63	12.65	145.98	---
EW-1	12/29/2008	3,200	48	4.2	100	240	180	---	---	---	---	158.63	11.45	147.18	---
EW-1	03/05/2009	2,900	58	2.4	130	220	280	---	---	---	---	158.63	8.48	150.15	---
EW-1	05/27/2009	2,300	74	2.1	59	96	160	---	---	---	---	158.63	11.90	146.73	---
EW-1	12/28/2009	2,100	23	<1.0	93	96	94	400	<2.0	<2.0	<2.0	158.63	11.68	146.95	---
EW-1	06/02/2010	1,700	13	<1.0	59	66	51	---	---	---	---	158.63	11.70	146.93	---
EW-1	12/28/2010	2,100	20	<1.0	110	170	45	340	<2.0	<2.0	<2.0	158.63	10.65	147.98	---
EW-1	06/20/2011	890	7.5	<0.50	23	24	31	---	---	---	---	158.63	12.08	146.55	---
EW-2	05/05/2006	---	---	---	---	---	---	---	---	---	---	---	16.83	---	---
EW-2	05/12/2006	11,400	377	135	335	313	401	1,220	<0.500	<0.500	<0.500	---	15.91	---	---
EW-2	09/05/2006	1,810	41.1	4.52	17.2	74.0	87.8	606	<0.500	<0.500	<0.500	157.51	11.21	146.30	---
EW-2	12/18/2006	3,200	75	33	90	470	130	---	---	---	---	157.51	9.93	147.58	---
EW-2	03/21/2007	61	<0.50	<0.50	<0.50	1.5	18	---	---	---	---	157.51	10.55	146.96	---
EW-2	06/14/2007	570	3.8	<1.0	<1.0	<1.0	10	---	---	---	---	157.51	12.82	144.69	---
EW-2	08/27/2007	320	2.6	0.36 k	1.4	6.31 k	10	230	<2.0	<2.0	<2.0	157.51	10.34	147.17	---
EW-2	11/29/2007	72	0.83	0.53 k	0.49 k	1.41 k	12	---	---	---	---	157.51	10.80	146.71	---
EW-2	03/21/2008	250	3.5	<1.0	2.7	15.3	62	---	---	---	---	157.51	10.80	146.71	---
EW-2	05/29/2008	280	8.7	1.5	7.8	29.3	46	---	---	---	---	157.51	10.86	146.65	---
EW-2	08/29/2008	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	157.51	9.81	147.70	---
EW-2	12/29/2008	760	21	1.4	17	64	37	---	---	---	---	157.51	10.37	147.14	---
EW-2	03/05/2009	260	5.8	<1.0	8.4	30	38	---	---	---	---	157.51	8.35	149.16	---

**GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
2120 MONTANA STREET, OAKLAND, CALIFORNIA**

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to	GW	SPH
													Water	Elevation	Thickness
													(ft TOC)	(ft MSL)	(ft)
EW-2	05/27/2009	580	27	2.4	25	79	71	---	---	---	---	157.51	10.83	146.68	---
EW-2	12/28/2009	780	31	1.6	31	67	51	270	<2.0	<2.0	<2.0	157.51	10.55	146.96	---
EW-2	06/02/2010	1,400	45	3.0	110	160	53	---	---	---	---	157.51	10.63	146.88	---
EW-2	12/28/2010	770	29	1.3	58	82	48	310	<2.0	<2.0	<2.0	157.51	9.57	147.94	---
EW-2	06/20/2011	180	12	<0.50	15	8.3	14	---	---	---	---	157.51	10.98	146.53	---

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 EPA Method 8260B

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

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

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

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

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

GW = Groundwater

SPH = Separate-phase hydrocarbon

µg/L = Micrograms per liter

ft = Feet

MSL = Mean sea level

<x = Not detected at reporting limit x

--- = Not analyzed or available

b = SPHs encountered during purge

c = Sample analyzed once within hold time, but the analyte concentrations all exceeded the instrument working ranges. The sample was diluted and re-analyzed out of hold time. The diluted analysis is reported because it more accurately reflects the concentrations present.

i = Several results were above the instrument calibration range and should be considered estimated values. Results from the different VOA vials were not consistent; therefore the highest results were reported.

j = Concentration exceeds the calibration range and therefore result is semi-quantitative.

**GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
2120 MONTANA STREET, OAKLAND, 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> ($\mu\text{g/L}$)	<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)
----------------	-------------	------------------------------------	---------------------------------	---------------------------------	---------------------------------	---------------------------------	------------------------------------	-----------------------------------	------------------------------------	------------------------------------	------------------------------------	------------------------	---	---	--

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

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

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

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

Corrected GW elevation = TOC - Depth to water + (0.8 x SPH thickness).

Site wells surveyed February 12, 2002 and June 26, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.

Wells MW-1 and TBW-N surveyed September 23, 2003 by Virgil Chavez Land Surveying of Vallejo, CA.

Wells EW-1 and EW-2 surveyed July 7, 2006 by Virgil Chavez Land Surveying of Vallejo, CA.

APPENDIX A

BLAINE TECH SERVICES, INC. -
FIELD NOTES

WELL GAUGING DATA

Project # 110620-PH1 Date 6/20/11 Client Shell

Site 2120 Montana St., Oakland

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
MW-1	0907	2					11.40	27.07	↓	
MW-2	1218	2				12.31	19.82			
MW-3	0820	2				11.95	20.00			
MW-4	0853	4				13.87	19.90			
MW-5	1019	2				12.54	19.53			
TBW-N	0840	4				10.00	12.48			
EW-1	0903	4				12.08	25.72			
EW-2	0845	4				10.98	26.36	↓		

SHELL WELL MONITORING DATA SHEET

BTS #: 110620-PH1	Site: 98995740
Sampler: PH	Date: 6/20/11
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8
Total Well Depth (TD): 27.07	Depth to Water (DTW): 11.40
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]: 14.53	

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: _____

2.5 (Gals.) X 3 = 7.5 Gals.

I Case Volume Specified Volumes Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1139	68.2	7.0	889	40	2.5	
1144	67.4	6.9	908	36	5.0	
1149	67.1	6.9	890	39	7.5	

Did well dewater? Yes (No) Gallons actually evacuated: 7.5

Sampling Date: 6/20/11 Sampling Time: 1155 Depth to Water: 11.74

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

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: <u>110620-PH1</u>	Site: <u>28995740</u>
Sampler: <u>PH</u>	Date: <u>6/20/11</u>
Well I.D.: <u>MW-2</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth (TD): <u>19.82</u>	Depth to Water (DTW): <u>12.34</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>EVS</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>13.83</u>	

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

<u>1.2</u> (Gals.) X	<u>3</u> Specified Volumes =	<u>3.6</u> Gals. Calculated Volume
----------------------	------------------------------	------------------------------------

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
<u>1221</u>	<u>67.8</u>	<u>7.1</u>	<u>859</u>	<u>330</u>	<u>1.2</u>	<u>sheen / odor</u>
<u>1223</u>	<u>66.7</u>	<u>7.0</u>	<u>870</u>	<u>351</u>	<u>2.5</u>	
<u>1225</u>	<u>66.4</u>	<u>7.0</u>	<u>884</u>	<u>362</u>	<u>3.7</u>	

Did well dewater? Yes No Gallons actually evacuated: 3.7

Sampling Date: 6/20/11 Sampling Time: 1235 Depth to Water: waited for 80% 13.80

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

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: <u>110620-PH1</u>	Site: <u>98995740</u>
Sampler: <u>PH</u>	Date: <u>6/20/11</u>
Well I.D.: <u>MW-3</u>	Well Diameter: <u>2</u> 3 4 6 8 _____
Total Well Depth (TD): <u>20.00</u>	Depth to Water (DTW): <u>11.95</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>13.56</u>	

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

Other: _____

1.2 (Gals.) X 3 = 3.8 Gals.
 1 Case Volume Specified Volumes Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
<u>0926</u>	<u>70.0</u>	<u>6.4</u>	<u>641</u>	<u>297</u>	<u>1.2</u>	
<u>0928</u>	<u>69.1</u>	<u>6.5</u>	<u>613</u>	<u>>1000</u>	<u>2.5</u>	
<u>0931</u>	<u>68.7</u>	<u>6.5</u>	<u>611</u>	<u>>1000</u>	<u>4.0</u>	

Did well dewater? Yes No Gallons actually evacuated: 4

Sampling Date: 6/20/11 Sampling Time: 0945 Depth to Water: 13.50

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

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 110620-PH1	Site: 98995740
Sampler: PH	Date: 6/20/11
Well I.D.: MW-4	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 19.90	Depth to Water (DTW): 13.87
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]: 15.07	

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

$3.9 \text{ (Gals.)} \times 3 = 11.7 \text{ Gals.}$ <p>I Case Volume Specified Volumes Calculated Volume</p>	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1103	68.8	7.1	644	10 35	4	
	—	Dewatered @		5.5 gallons	—	
1210	69.7	7.3	633	84	—	

Did well dewater? Yes No Gallons actually evacuated: 5.5

Sampling Date: 6/20/11 Sampling Time: 1210 Depth to Water: 15.00

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

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 110620-PH1	Site: 9899574D
Sampler: PH	Date: 6/20/11
Well I.D.: MW-5	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth (TD): 19.53	Depth to Water (DTW): 12.54
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]: 13.93	

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

1.1 (Gals.) X 3 = 3.3 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
1022	66.9	6.9	653	>1000	1.2	
1024	65.6	6.9	668	>1000	2.2	
1026	65.2	6.9	663	>1000	3.5	

Did well dewater? Yes No Gallons actually evacuated: 3.5

Sampling Date: 6/20/11 Sampling Time: 1030 Depth to Water: 12.62

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

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: <u>110620-PH</u>	Site: <u>98995740</u>
Sampler: <u>PH</u>	Date: <u>6/20/11</u>
Well I.D.: <u>TBW-N</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): <u>12.48</u>	Depth to Water (DTW): <u>10.00</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>10.49</u>	

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

$1.6 \text{ (Gals.)} \times 3 = 4.8 \text{ Gals.}$	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163	
Well Diameter	Multiplier	Well Diameter	Multiplier															
1"	0.04	4"	0.65															
2"	0.16	6"	1.47															
3"	0.37	Other	radius ² * 0.163															
1 Case Volume	Specified Volumes	Calculated Volume																

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
<u>0957</u>	<u>69.4</u>	<u>6.8</u>	<u>797</u>	<u>>1000</u>	<u>1.7</u>	
<u>1000</u>	<u>68.7</u>	<u>6.7</u>	<u>767</u>	<u>>1000</u>	<u>3.5</u>	
<u>1003</u>	<u>68.4</u>	<u>6.7</u>	<u>757</u>	<u>>1000</u>	<u>5.0</u>	

Did well dewater? Yes No Gallons actually evacuated: 5

Sampling Date: 6/20/11 Sampling Time: 1005 Depth to Water: 1000

Sample I.D.: TBW-N Laboratory: Test America Other _____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: <u>110620-PH1</u>	Site: <u>98995740</u>
Sampler: <u>PH</u>	Date: <u>6/20/11</u>
Well I.D.: <u>EW-1</u>	Well Diameter: 2 3 <u>4</u> 6 8 _____
Total Well Depth (TD): <u>25.72</u>	Depth to Water (DTW): <u>12.08</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>14.80</u>	

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

$\frac{8.8 \text{ (Gals.)} \times 3}{\text{I Case Volume Specified Volumes}} = \frac{26.6 \text{ Gals.}}{\text{Calculated Volume}}$	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
<u>1116</u>	<u>67.5</u>	<u>7.0</u>	<u>797</u>	<u>>1000</u>	<u>9</u>	
<u>1118</u>	<u>67.0</u>	<u>6.9</u>	<u>816</u>	<u>96</u>	<u>18</u>	
<u>1120</u>	<u>67.3</u>	<u>6.9</u>	<u>831</u>	<u>478</u>	<u>27</u>	

Did well dewater? Yes No Gallons actually evacuated: 27

Sampling Date: 6/20/11 Sampling Time: 1125 Depth to Water: 14.20

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

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: <u>110620-PH1</u>	Site: <u>98995740</u>
Sampler: <u>PH</u>	Date: <u>6/20/11</u>
Well I.D.: <u>EW-2</u>	Well Diameter: 2 3 <u>4</u> 6 8 _____
Total Well Depth (TD): <u>26.36</u>	Depth to Water (DTW): <u>10.98</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>14.05</u>	

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

Other: _____

$\underline{9.9} \text{ (Gals.)} \times \underline{3} = \underline{29.9} \text{ Gals.}$ 1 Case Volume Specified Volumes Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1042	70.9	7.1	741	52	10	
1044	69.3	7.2	744	30	20	
1046	69.0	7.1	747	20	30	

Did well dewater? Yes No Gallons actually evacuated: 30

Sampling Date: 6/20/11 Sampling Time: 1050 Depth to Water: 12.20

Sample I.D.: EW-2 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

APPENDIX B

TEST AMERICA -
LABORATORY REPORT

LABORATORY REPORT

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

Project: 2120 Montana St., Oakland, CA

Sampled: 06/20/11
Received: 06/23/11
Issued: 07/07/11 10:33

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

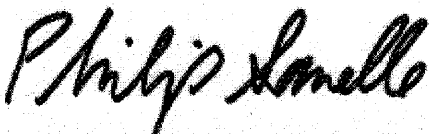
The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
IUF2210-01	MW-1	Water
IUF2210-02	MW-2	Water
IUF2210-03	MW-3	Water
IUF2210-04	MW-4	Water
IUF2210-05	MW-5	Water
IUF2210-06	TBW-N	Water
IUF2210-07	EW-1	Water
IUF2210-08	EW-2	Water

Reviewed By:



TestAmerica Irvine

Philip Sanelle
Project Manager

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

Project ID: 2120 Montana St., Oakland, CA

Report Number: IUF2210

Sampled: 06/20/11

Received: 06/23/11

VOLATILE FUEL HYDROCARBONS BY GC/MS (CA LUFT)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUF2210-01 (MW-1 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11F3971	50	2000	1	6/30/2011	7/1/2011	
Surrogate: Dibromofluoromethane (80-120%)				101 %				
Surrogate: Toluene-d8 (80-120%)				106 %				
Surrogate: 4-Bromofluorobenzene (80-120%)				99 %				
Sample ID: IUF2210-02 (MW-2 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11G0043	500	12000	10	7/1/2011	7/1/2011	
Surrogate: Dibromofluoromethane (80-120%)				103 %				
Surrogate: Toluene-d8 (80-120%)				105 %				
Surrogate: 4-Bromofluorobenzene (80-120%)				101 %				
Sample ID: IUF2210-03 (MW-3 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11G0039	50	ND	1	7/1/2011	7/2/2011	
Surrogate: Dibromofluoromethane (80-120%)				107 %				
Surrogate: Toluene-d8 (80-120%)				105 %				
Surrogate: 4-Bromofluorobenzene (80-120%)				98 %				
Sample ID: IUF2210-04 (MW-4 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11F3971	50	90	1	6/30/2011	7/1/2011	
Surrogate: Dibromofluoromethane (80-120%)				102 %				
Surrogate: Toluene-d8 (80-120%)				106 %				
Surrogate: 4-Bromofluorobenzene (80-120%)				101 %				
Sample ID: IUF2210-05 (MW-5 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11F3971	50	1400	1	6/30/2011	7/1/2011	
Surrogate: Dibromofluoromethane (80-120%)				106 %				
Surrogate: Toluene-d8 (80-120%)				106 %				
Surrogate: 4-Bromofluorobenzene (80-120%)				101 %				
Sample ID: IUF2210-06 (TBW-N - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11F3971	50	ND	1	6/30/2011	7/1/2011	
Surrogate: Dibromofluoromethane (80-120%)				105 %				
Surrogate: Toluene-d8 (80-120%)				105 %				
Surrogate: 4-Bromofluorobenzene (80-120%)				98 %				

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Philip Sanelle
Project Manager

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IUF2210 <Page 2 of 15>

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

Project ID: 2120 Montana St., Oakland, CA

Report Number: IUF2210

Sampled: 06/20/11

Received: 06/23/11

VOLATILE FUEL HYDROCARBONS BY GC/MS (CA LUFT)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUF2210-07 (EW-1 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11F3971	50	890	1	6/30/2011	7/1/2011	
Surrogate: Dibromofluoromethane (80-120%)				105 %				
Surrogate: Toluene-d8 (80-120%)				106 %				
Surrogate: 4-Bromofluorobenzene (80-120%)				101 %				
Sample ID: IUF2210-08 (EW-2 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11F3971	50	180	1	6/30/2011	7/1/2011	
Surrogate: Dibromofluoromethane (80-120%)				102 %				
Surrogate: Toluene-d8 (80-120%)				106 %				
Surrogate: 4-Bromofluorobenzene (80-120%)				97 %				

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Project Manager

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

Project ID: 2120 Montana St., Oakland, CA

Report Number: IUF2210

Sampled: 06/20/11

Received: 06/23/11

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUF2210-01 (MW-1 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11F3971	0.50	11	1	6/30/2011	7/1/2011	
Ethylbenzene	EPA 8260B	11F3971	0.50	93	1	6/30/2011	7/1/2011	
Toluene	EPA 8260B	11F3971	0.50	ND	1	6/30/2011	7/1/2011	
Xylenes, Total	EPA 8260B	11F3971	1.0	120	1	6/30/2011	7/1/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11F3971	1.0	64	1	6/30/2011	7/1/2011	
tert-Butanol (TBA)	EPA 8260B	11F3971	10	1400	1	6/30/2011	7/1/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				99 %				
Surrogate: Dibromofluoromethane (80-120%)				101 %				
Surrogate: Toluene-d8 (80-120%)				106 %				
Sample ID: IUF2210-02 (MW-2 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11G0043	5.0	36	10	7/1/2011	7/1/2011	
Ethylbenzene	EPA 8260B	11G0043	5.0	28	10	7/1/2011	7/1/2011	
Toluene	EPA 8260B	11G0043	5.0	8.8	10	7/1/2011	7/1/2011	
Xylenes, Total	EPA 8260B	11G0043	10	21	10	7/1/2011	7/1/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11G0043	10	68	10	7/1/2011	7/1/2011	
tert-Butanol (TBA)	EPA 8260B	11G0043	100	570	10	7/1/2011	7/1/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				101 %				
Surrogate: Dibromofluoromethane (80-120%)				103 %				
Surrogate: Toluene-d8 (80-120%)				105 %				
Sample ID: IUF2210-03 (MW-3 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11F3971	0.50	ND	1	6/30/2011	7/1/2011	
Ethylbenzene	EPA 8260B	11F3971	0.50	ND	1	6/30/2011	7/1/2011	
Toluene	EPA 8260B	11F3971	0.50	ND	1	6/30/2011	7/1/2011	
Xylenes, Total	EPA 8260B	11F3971	1.0	ND	1	6/30/2011	7/1/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11F3971	1.0	ND	1	6/30/2011	7/1/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				99 %				
Surrogate: Dibromofluoromethane (80-120%)				100 %				
Surrogate: Toluene-d8 (80-120%)				106 %				

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Philip Sanelle
 Project Manager

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

Project ID: 2120 Montana St., Oakland, CA

Report Number: IUF2210

Sampled: 06/20/11
 Received: 06/23/11

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUF2210-04 (MW-4 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11F3971	0.50	ND	1	6/30/2011	7/1/2011	
Ethylbenzene	EPA 8260B	11F3971	0.50	ND	1	6/30/2011	7/1/2011	
Toluene	EPA 8260B	11F3971	0.50	ND	1	6/30/2011	7/1/2011	
Xylenes, Total	EPA 8260B	11F3971	1.0	ND	1	6/30/2011	7/1/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11F3971	1.0	2.8	1	6/30/2011	7/1/2011	
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				101 %				
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				102 %				
<i>Surrogate: Toluene-d8 (80-120%)</i>				106 %				
Sample ID: IUF2210-05 (MW-5 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11F3971	0.50	9.4	1	6/30/2011	7/1/2011	
Ethylbenzene	EPA 8260B	11F3971	0.50	0.99	1	6/30/2011	7/1/2011	
Toluene	EPA 8260B	11F3971	0.50	0.90	1	6/30/2011	7/1/2011	
Xylenes, Total	EPA 8260B	11F3971	1.0	3.6	1	6/30/2011	7/1/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11F3971	1.0	2.6	1	6/30/2011	7/1/2011	
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				101 %				
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				106 %				
<i>Surrogate: Toluene-d8 (80-120%)</i>				106 %				
Sample ID: IUF2210-06 (TBW-N - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11F3971	0.50	ND	1	6/30/2011	7/1/2011	
Ethylbenzene	EPA 8260B	11F3971	0.50	ND	1	6/30/2011	7/1/2011	
Toluene	EPA 8260B	11F3971	0.50	ND	1	6/30/2011	7/1/2011	
Xylenes, Total	EPA 8260B	11F3971	1.0	ND	1	6/30/2011	7/1/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11F3971	1.0	1.7	1	6/30/2011	7/1/2011	
tert-Butanol (TBA)	EPA 8260B	11F3971	10	17	1	6/30/2011	7/1/2011	
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>				98 %				
<i>Surrogate: Dibromofluoromethane (80-120%)</i>				105 %				
<i>Surrogate: Toluene-d8 (80-120%)</i>				105 %				

TestAmerica Irvine

Philip Sanelle
 Project Manager

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

Project ID: 2120 Montana St., Oakland, CA

Report Number: IUF2210

Sampled: 06/20/11

Received: 06/23/11

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUF2210-07 (EW-1 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11F3971	0.50	7.5	1	6/30/2011	7/1/2011	
Ethylbenzene	EPA 8260B	11F3971	0.50	23	1	6/30/2011	7/1/2011	
Toluene	EPA 8260B	11F3971	0.50	ND	1	6/30/2011	7/1/2011	
Xylenes, Total	EPA 8260B	11F3971	1.0	24	1	6/30/2011	7/1/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11F3971	1.0	31	1	6/30/2011	7/1/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				101 %				
Surrogate: Dibromofluoromethane (80-120%)				105 %				
Surrogate: Toluene-d8 (80-120%)				106 %				
Sample ID: IUF2210-08 (EW-2 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11F3971	0.50	12	1	6/30/2011	7/1/2011	
Ethylbenzene	EPA 8260B	11F3971	0.50	15	1	6/30/2011	7/1/2011	
Toluene	EPA 8260B	11F3971	0.50	ND	1	6/30/2011	7/1/2011	
Xylenes, Total	EPA 8260B	11F3971	1.0	8.3	1	6/30/2011	7/1/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11F3971	1.0	14	1	6/30/2011	7/1/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				97 %				
Surrogate: Dibromofluoromethane (80-120%)				102 %				
Surrogate: Toluene-d8 (80-120%)				106 %				

TestAmerica Irvine

Philip Sanelle
 Project Manager

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

Project ID: 2120 Montana St., Oakland, CA

Report Number: IUF2210

Sampled: 06/20/11
Received: 06/23/11

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS BY GC/MS (CA LUFT)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F3971 Extracted: 06/30/11										
Blank Analyzed: 06/30/2011 (11F3971-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	50	ug/l							
Surrogate: Dibromofluoromethane	25.3		ug/l	25.0		101	80-120			
Surrogate: Toluene-d8	26.2		ug/l	25.0		105	80-120			
Surrogate: 4-Bromofluorobenzene	23.5		ug/l	25.0		94	80-120			
LCS Analyzed: 06/30/2011 (11F3971-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	538	50	ug/l	500		108	55-130			
Surrogate: Dibromofluoromethane	24.8		ug/l	25.0		99	80-120			
Surrogate: Toluene-d8	26.2		ug/l	25.0		105	80-120			
Surrogate: 4-Bromofluorobenzene	24.4		ug/l	25.0		97	80-120			
Matrix Spike Analyzed: 06/30/2011 (11F3971-MS1)										
Volatile Fuel Hydrocarbons (C4-C12)	1210	50	ug/l	1720	ND	70	50-145			
Surrogate: Dibromofluoromethane	25.8		ug/l	25.0		103	80-120			
Surrogate: Toluene-d8	26.7		ug/l	25.0		107	80-120			
Surrogate: 4-Bromofluorobenzene	24.5		ug/l	25.0		98	80-120			
Source: IUF2208-01										
Matrix Spike Dup Analyzed: 06/30/2011 (11F3971-MSD1)										
Volatile Fuel Hydrocarbons (C4-C12)	1190	50	ug/l	1720	ND	69	50-145	1	20	
Surrogate: Dibromofluoromethane	24.7		ug/l	25.0		99	80-120			
Surrogate: Toluene-d8	26.4		ug/l	25.0		106	80-120			
Surrogate: 4-Bromofluorobenzene	24.5		ug/l	25.0		98	80-120			
Source: IUF2208-01										
Batch: 11G0039 Extracted: 07/01/11										
Blank Analyzed: 07/01/2011 (11G0039-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	50	ug/l							
Surrogate: Dibromofluoromethane	26.8		ug/l	25.0		107	80-120			
Surrogate: Toluene-d8	25.9		ug/l	25.0		104	80-120			
Surrogate: 4-Bromofluorobenzene	24.4		ug/l	25.0		97	80-120			

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Project Manager

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 San Jose, CA 95112-1105
 Attention: Lorin King

Project ID: 2120 Montana St., Oakland, CA

Report Number: IUF2210

Sampled: 06/20/11
 Received: 06/23/11

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS BY GC/MS (CA LUFT)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11G0039 Extracted: 07/01/11									
LCS Analyzed: 07/01/2011 (11G0039-BS2)									
Volatiles Fuel Hydrocarbons (C4-C12)	549	50	ug/l	500		110 55-130			
Surrogate: Dibromofluoromethane	25.2		ug/l	25.0		101 80-120			
Surrogate: Toluene-d8	26.6		ug/l	25.0		107 80-120			
Surrogate: 4-Bromofluorobenzene	25.0		ug/l	25.0		100 80-120			
Matrix Spike Analyzed: 07/01/2011 (11G0039-MS1)									
					Source: IUF2334-05RE1				
Volatiles Fuel Hydrocarbons (C4-C12)	1490	50	ug/l	1720	314	68 50-145			
Surrogate: Dibromofluoromethane	24.7		ug/l	25.0		99 80-120			
Surrogate: Toluene-d8	26.6		ug/l	25.0		106 80-120			
Surrogate: 4-Bromofluorobenzene	24.7		ug/l	25.0		99 80-120			
Matrix Spike Dup Analyzed: 07/01/2011 (11G0039-MSD1)									
					Source: IUF2334-05RE1				
Volatiles Fuel Hydrocarbons (C4-C12)	1560	50	ug/l	1720	314	72 50-145	5	20	
Surrogate: Dibromofluoromethane	25.5		ug/l	25.0		102 80-120			
Surrogate: Toluene-d8	26.5		ug/l	25.0		106 80-120			
Surrogate: 4-Bromofluorobenzene	25.1		ug/l	25.0		100 80-120			
Batch: 11G0043 Extracted: 07/01/11									
Blank Analyzed: 07/01/2011 (11G0043-BLK1)									
Volatiles Fuel Hydrocarbons (C4-C12)	ND	50	ug/l						
Surrogate: Dibromofluoromethane	25.6		ug/l	25.0		102 80-120			
Surrogate: Toluene-d8	26.1		ug/l	25.0		104 80-120			
Surrogate: 4-Bromofluorobenzene	24.6		ug/l	25.0		98 80-120			
LCS Analyzed: 07/01/2011 (11G0043-BS2)									
Volatiles Fuel Hydrocarbons (C4-C12)	538	50	ug/l	500		108 55-130			
Surrogate: Dibromofluoromethane	25.6		ug/l	25.0		102 80-120			
Surrogate: Toluene-d8	26.4		ug/l	25.0		106 80-120			
Surrogate: 4-Bromofluorobenzene	24.8		ug/l	25.0		99 80-120			

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Blaine Tech San Jose/CRA Shell
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 Attention: Lorin King

Project ID: 2120 Montana St., Oakland, CA

Report Number: IUF2210

Sampled: 06/20/11

Received: 06/23/11

METHOD-BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS BY GC/MS (CA LUFT)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11G0043 Extracted: 07/01/11										
Matrix Spike Analyzed: 07/01/2011 (11G0043-MS1)					Source: IUF2312-01					
Volatile Fuel Hydrocarbons (C4-C12)	1170	50	ug/l	1720	42.6	65	50-145			
Surrogate: Dibromofluoromethane	25.8		ug/l	25.0		103	80-120			
Surrogate: Toluene-d8	26.8		ug/l	25.0		107	80-120			
Surrogate: 4-Bromofluorobenzene	24.8		ug/l	25.0		99	80-120			
Matrix Spike Dup Analyzed: 07/01/2011 (11G0043-MSD1)					Source: IUF2312-01					
Volatile Fuel Hydrocarbons (C4-C12)	1210	50	ug/l	1720	42.6	67	50-145	3	20	
Surrogate: Dibromofluoromethane	25.4		ug/l	25.0		102	80-120			
Surrogate: Toluene-d8	26.4		ug/l	25.0		106	80-120			
Surrogate: 4-Bromofluorobenzene	24.8		ug/l	25.0		99	80-120			

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METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F3971 Extracted: 06/30/11										
Blank Analyzed: 06/30/2011 (11F3971-BLK1)										
Benzene	ND	0.50	ug/l							
Benzene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
o-Xylene	ND	0.50	ug/l							
o-Xylene	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
tert-Butanol (TBA)	ND	10	ug/l							
Surrogate: 4-Bromofluorobenzene	23.5		ug/l	25.0		94	80-120			
Surrogate: 4-Bromofluorobenzene	23.5		ug/l	25.0		94	80-120			
Surrogate: Dibromofluoromethane	25.3		ug/l	25.0		101	80-120			
Surrogate: Dibromofluoromethane	25.3		ug/l	25.0		101	80-120			
Surrogate: Toluene-d8	26.2		ug/l	25.0		105	80-120			
Surrogate: Toluene-d8	26.2		ug/l	25.0		105	80-120			
LCS Analyzed: 06/30/2011 (11F3971-BS1)										
Benzene	26.6	0.50	ug/l	25.0		106	70-120			
Benzene	26.6	0.50	ug/l	25.0		106	70-120			
Ethylbenzene	28.2	0.50	ug/l	25.0		113	75-125			
Ethylbenzene	28.2	0.50	ug/l	25.0		113	75-125			
Toluene	27.0	0.50	ug/l	25.0		108	70-120			
Toluene	27.0	0.50	ug/l	25.0		108	70-120			
m,p-Xylenes	57.2	1.0	ug/l	50.0		114	75-125			
m,p-Xylenes	57.2	1.0	ug/l	50.0		114	75-125			
o-Xylene	29.6	0.50	ug/l	25.0		118	75-125			
o-Xylene	29.6	0.50	ug/l	25.0		118	75-125			
Xylenes, Total	86.8	1.0	ug/l	75.0		116	70-125			
Xylenes, Total	86.8	1.0	ug/l	75.0		116	70-125			
Methyl-tert-butyl Ether (MTBE)	23.8	1.0	ug/l	25.0		95	60-135			

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METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F3971 Extracted: 06/30/11										
LCS Analyzed: 06/30/2011 (11F3971-BS1)										
Methyl-tert-butyl Ether (MTBE)	23.8	1.0	ug/l	25.0		95	60-135			
tert-Butanol (TBA)	141	10	ug/l	125		113	70-135			
Surrogate: 4-Bromofluorobenzene	23.9		ug/l	25.0		96	80-120			
Surrogate: 4-Bromofluorobenzene	23.9		ug/l	25.0		96	80-120			
Surrogate: Dibromofluoromethane	25.2		ug/l	25.0		101	80-120			
Surrogate: Dibromofluoromethane	25.2		ug/l	25.0		101	80-120			
Surrogate: Toluene-d8	26.6		ug/l	25.0		106	80-120			
Surrogate: Toluene-d8	26.6		ug/l	25.0		106	80-120			
Matrix Spike Analyzed: 06/30/2011 (11F3971-MS1)										
Source: IUF2208-01										
Benzene	26.4	0.50	ug/l	25.0	ND	106	65-125			
Benzene	26.4	0.50	ug/l	25.0	ND	106	65-125			
Ethylbenzene	27.0	0.50	ug/l	25.0	ND	108	65-130			
Ethylbenzene	27.0	0.50	ug/l	25.0	ND	108	65-130			
Toluene	26.6	0.50	ug/l	25.0	ND	107	70-125			
Toluene	26.6	0.50	ug/l	25.0	ND	107	70-125			
m,p-Xylenes	54.7	1.0	ug/l	50.0	ND	109	65-130			
m,p-Xylenes	54.7	1.0	ug/l	50.0	ND	109	65-130			
o-Xylene	28.7	0.50	ug/l	25.0	ND	115	65-125			
o-Xylene	28.7	0.50	ug/l	25.0	ND	115	65-125			
Xylenes, Total	83.4	1.0	ug/l	75.0	ND	111	60-130			
Xylenes, Total	83.4	1.0	ug/l	75.0	ND	111	60-130			
Methyl-tert-butyl Ether (MTBE)	25.2	1.0	ug/l	25.0	0.370	99	55-145			
Methyl-tert-butyl Ether (MTBE)	25.2	1.0	ug/l	25.0	0.370	99	55-145			
tert-Butanol (TBA)	136	10	ug/l	125	ND	109	65-140			
Surrogate: 4-Bromofluorobenzene	24.5		ug/l	25.0		98	80-120			
Surrogate: 4-Bromofluorobenzene	24.5		ug/l	25.0		98	80-120			
Surrogate: Dibromofluoromethane	25.8		ug/l	25.0		103	80-120			
Surrogate: Dibromofluoromethane	25.8		ug/l	25.0		103	80-120			
Surrogate: Toluene-d8	26.7		ug/l	25.0		107	80-120			
Surrogate: Toluene-d8	26.7		ug/l	25.0		107	80-120			

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METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F3971 Extracted: 06/30/11										
Matrix Spike Dup Analyzed: 06/30/2011 (11F3971-MSD1)					Source: IUF2208-01					
Benzene	26.9	0.50	ug/l	25.0	ND	108	65-125	2	20	
Benzene	26.9	0.50	ug/l	25.0	ND	108	65-125	2	20	
Ethylbenzene	28.3	0.50	ug/l	25.0	ND	113	65-130	5	20	
Ethylbenzene	28.3	0.50	ug/l	25.0	ND	113	65-130	5	20	
Toluene	27.2	0.50	ug/l	25.0	ND	109	70-125	2	20	
Toluene	27.2	0.50	ug/l	25.0	ND	109	70-125	2	20	
m,p-Xylenes	57.0	1.0	ug/l	50.0	ND	114	65-130	4	25	
m,p-Xylenes	57.0	1.0	ug/l	50.0	ND	114	65-130	4	25	
o-Xylene	29.6	0.50	ug/l	25.0	ND	119	65-125	3	20	
o-Xylene	29.6	0.50	ug/l	25.0	ND	119	65-125	3	20	
Xylenes, Total	86.6	1.0	ug/l	75.0	ND	115	60-130	4	20	
Xylenes, Total	86.6	1.0	ug/l	75.0	ND	115	60-130	4	20	
Methyl-tert-butyl Ether (MTBE)	24.4	1.0	ug/l	25.0	0.370	96	55-145	3	25	
Methyl-tert-butyl Ether (MTBE)	24.4	1.0	ug/l	25.0	0.370	96	55-145	3	25	
tert-Butanol (TBA)	142	10	ug/l	125	ND	113	65-140	4	25	
Surrogate: 4-Bromofluorobenzene	24.5		ug/l	25.0		98	80-120			
Surrogate: 4-Bromofluorobenzene	24.5		ug/l	25.0		98	80-120			
Surrogate: Dibromofluoromethane	24.7		ug/l	25.0		99	80-120			
Surrogate: Dibromofluoromethane	24.7		ug/l	25.0		99	80-120			
Surrogate: Toluene-d8	26.4		ug/l	25.0		106	80-120			
Surrogate: Toluene-d8	26.4		ug/l	25.0		106	80-120			

Batch: 11G0043 Extracted: 07/01/11

Blank Analyzed: 07/01/2011 (11G0043-BLK1)

Benzene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
o-Xylene	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
tert-Butanol (TBA)	ND	10	ug/l							
Surrogate: 4-Bromofluorobenzene	24.6		ug/l	25.0		98	80-120			
Surrogate: Dibromofluoromethane	25.6		ug/l	25.0		102	80-120			
Surrogate: Toluene-d8	26.1		ug/l	25.0		104	80-120			

TestAmerica Irvine

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METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11G0043 Extracted: 07/01/11										
LCS Analyzed: 07/01/2011 (11G0043-BS1)										
Benzene	27.6	0.50	ug/l	25.0		111	70-120			
Ethylbenzene	28.9	0.50	ug/l	25.0		116	75-125			
Toluene	27.1	0.50	ug/l	25.0		108	70-120			
m,p-Xylenes	58.1	1.0	ug/l	50.0		116	75-125			
o-Xylene	30.3	0.50	ug/l	25.0		121	75-125			
Xylenes, Total	88.4	1.0	ug/l	75.0		118	70-125			
Methyl-tert-butyl Ether (MTBE)	27.2	1.0	ug/l	25.0		109	60-135			
tert-Butanol (TBA)	136	10	ug/l	125		109	70-135			
Surrogate: 4-Bromofluorobenzene	25.2		ug/l	25.0		101	80-120			
Surrogate: Dibromofluoromethane	25.2		ug/l	25.0		101	80-120			
Surrogate: Toluene-d8	26.5		ug/l	25.0		106	80-120			
Matrix Spike Analyzed: 07/01/2011 (11G0043-MS1)										
Source: IUF2312-01										
Benzene	27.4	0.50	ug/l	25.0	1.13	105	65-125			
Ethylbenzene	28.6	0.50	ug/l	25.0	2.00	106	65-130			
Toluene	28.5	0.50	ug/l	25.0	2.92	102	70-125			
m,p-Xylenes	60.0	1.0	ug/l	50.0	6.56	107	65-130			
o-Xylene	31.3	0.50	ug/l	25.0	3.29	112	65-125			
Xylenes, Total	91.3	1.0	ug/l	75.0	9.85	109	60-130			
Methyl-tert-butyl Ether (MTBE)	25.8	1.0	ug/l	25.0	ND	103	55-145			
tert-Butanol (TBA)	132	10	ug/l	125	ND	105	65-140			
Surrogate: 4-Bromofluorobenzene	24.8		ug/l	25.0		99	80-120			
Surrogate: Dibromofluoromethane	25.8		ug/l	25.0		103	80-120			
Surrogate: Toluene-d8	26.8		ug/l	25.0		107	80-120			
Matrix Spike Dup Analyzed: 07/01/2011 (11G0043-MSD1)										
Source: IUF2312-01										
Benzene	28.4	0.50	ug/l	25.0	1.13	109	65-125	4	20	
Ethylbenzene	29.8	0.50	ug/l	25.0	2.00	111	65-130	4	20	
Toluene	29.8	0.50	ug/l	25.0	2.92	107	70-125	4	20	
m,p-Xylenes	62.9	1.0	ug/l	50.0	6.56	113	65-130	5	25	
o-Xylene	32.2	0.50	ug/l	25.0	3.29	116	65-125	3	20	
Xylenes, Total	95.2	1.0	ug/l	75.0	9.85	114	60-130	4	20	
Methyl-tert-butyl Ether (MTBE)	26.7	1.0	ug/l	25.0	ND	107	55-145	3	25	
tert-Butanol (TBA)	137	10	ug/l	125	ND	110	65-140	4	25	
Surrogate: 4-Bromofluorobenzene	24.8		ug/l	25.0		99	80-120			
Surrogate: Dibromofluoromethane	25.4		ug/l	25.0		102	80-120			
Surrogate: Toluene-d8	26.4		ug/l	25.0		106	80-120			

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Project Manager

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Attention: Lorin King

Project ID: 2120 Montana St., Oakland, CA

Report Number: IUF2210

Sampled: 06/20/11

Received: 06/23/11

DATA QUALIFIERS AND DEFINITIONS

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.

RPD Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD.

The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

For Volatile Fuel Hydrocarbons (C4-C12):

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

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Certification Summary

TestAmerica Irvine

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

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

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LAB (LOCATION)

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



Shell Oil Products Chain Of Custody Record

Please Check Appropriate Box:

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

Print Bill To Contact Name:

Bill Girolamo - 060663

INCIDENT # (ENV SERVICES)

9 7 6 4 5 2 2 9

CHECK IF NO INCIDENT # APPLIES

DATE: 7/6/11

PAGE: 1 of 1

PO # _____

SAP # _____

SAMPLING COMPANY:
Blaine Tech Services
LOG CODE:
BTST

SITE ADDRESS: Street and City
9010 Broadway, Temple City State CA GLOBAL ID NO.: T0603767857

ADDRESS:
20735 Belshaw Ave., Carson, CA 90746

EDF DELIVERABLE TO (Name, Company, Office Location):
Adrienne Ries, CRA, Irvine PHONE NO.: 949-648-5215 E-MAIL: socaledf@croworld.com CONSULTANT PROJECT NO.: 110706-LB

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

SAMPLER NAME(S) (Print):
LEE BURES

TELEPHONE: 310-885-4455 FAX: 310-637-5802 E-MAIL: lking@blainetech.com

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

REQUESTED ANALYSIS

LA - RWQCB REPORT FORMAT UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :
 Email invoice and copy of final report to Shell.Lab.Billing@croworld.com
 Ethanol must be reported in micrograms per liter (ug/L)
 Reporting Limit: TPH-D = 500ppb

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

LAB USE ONLY	Field Sample Identification		MATRIX	PRESERVATIVE					NO. OF CONT.	REQUESTED ANALYSIS													TEMPERATURE ON RECEIPT C°	Container PID Readings or Laboratory Notes				
	DATE	TIME		HCL	HNO3	H2SO4	NONE	OTHER		TPH -GRO, Purgeable (8260B)	TPH -DRO, Extractable (8015M)	TPHg (8015M)	BTEX (8260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B)	BTEX + 5 OXYs (MTBE, TBA, DIPE, TAME, ETBE) 8260B	Full VOC list (8260B)	Single Compound: (8260B)	1,2-DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)			Sulfate (EPA 300.0)	Nitrate (EPA 300.0)	Methane (RSK-175)	Ethanol (8015M)
	MW-1	7/6/11 1250	W	X			X	5	X	X				X						X								
	MW-2	7/6/11 1430	W	X			X	5	X	X				X						X								
	MW-3	7/6/11 1310	W	X			X	5	X	X				X						X								

Relinquished by: (Signature)

Received by: (Signature)

Date: _____ Time: _____

Relinquished by: (Signature)

Received by: (Signature)

Date: _____ Time: _____

Relinquished by: (Signature)

Received by: (Signature)

Date: _____ Time: _____