



**CONESTOGA-ROVERS
& ASSOCIATES**

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

TRANSMITTAL

DATE: April 15, 2010 REFERENCE NO.: 240483
PROJECT NAME: 5755 Broadway, Oakland
TO: Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

RECEIVED

9:01 am, Apr 19, 2010

Alameda County
Environmental Health

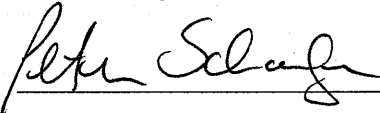
Please find enclosed: Draft Final
 Originals Other
 Prints

Sent via: Mail Same Day Courier
 Overnight Courier Other GeoTracker and Alameda County FTP

QUANTITY	DESCRIPTION
1	Groundwater Monitoring Report - First Quarter 2010

As Requested For Review and Comment
 For Your Use _____

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

Copy to: Denis Brown, Shell Oil Products US, 20945 S. Wilmington Avenue, Carson, CA 90810
Thrifty Oil Company, c/o Mr. Raymond Fredricksen, P.O. Box 2128, Santa Fe Springs,
CA 90670
SF Data Room (electronic copy)
Completed by: Peter Schaefer Signed: 

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
5755 Broadway
Oakland, California
SAP Code 135699
Incident No. 98995756
ACEH Case No. RO0000026

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
Project Manager



GROUNDWATER MONITORING REPORT - FIRST QUARTER 2010

**SHELL-BRANDED SERVICE STATION
5755 BROADWAY
OAKLAND, CALIFORNIA**

**SAP CODE 135699
INCIDENT NO. 98995756
AGENCY NO. RO000026**

APRIL 15, 2010

REF. NO. 240483 (7)

This report is printed on recycled paper.

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

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

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

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

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FIGURE 1 VICINITY MAP

FIGURE 2 GROUNDWATER CONTOUR AND CHEMICAL CONCENTRATION MAP

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APPENDIX A BLAINE TECH SERVICES, INC. - GROUNDWATER MONITORING
REPORT

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	5755 Broadway, 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.	RO0000026
Shell SAP Code	135699
Shell Incident No.	98995756

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) and a groundwater contour and chemical concentration map (Figure 2). Blaine's report, presenting the analytical data, is included in Appendix A.

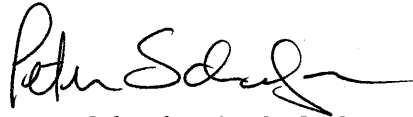
2.2 **CURRENT QUARTER'S FINDINGS**

Groundwater Flow Direction	Generally southerly
Hydraulic Gradient	Averages 0.06
Depth to Water	0.62 to 2.45 feet below top of well casing

2.3 **PROPOSED ACTIVITIES**

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

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



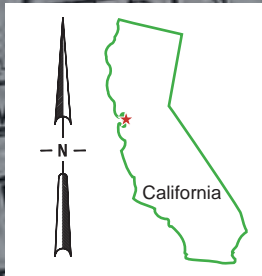
Peter Schaefer, CHG, CEG



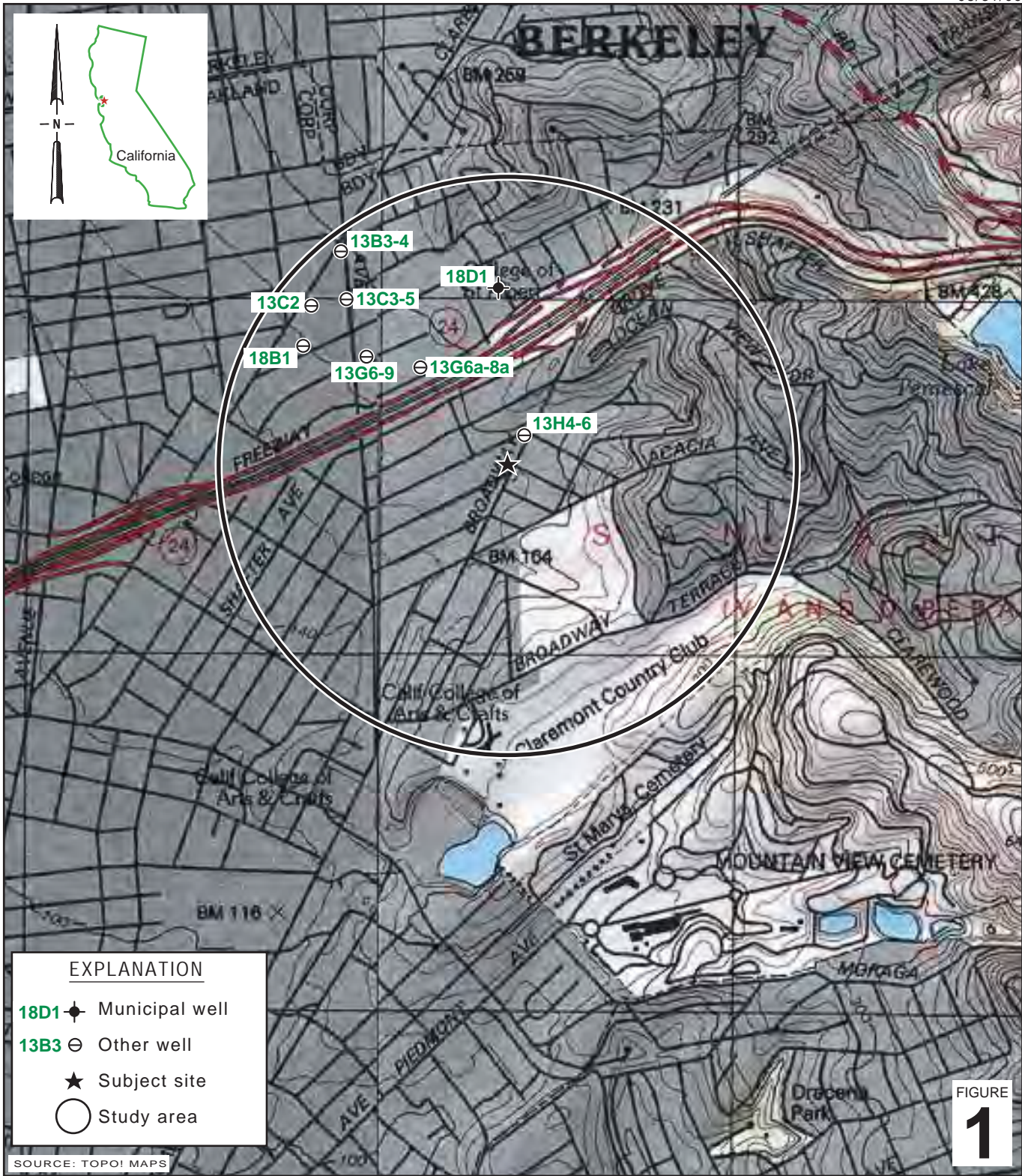
Aubrey K. Cool, PG



FIGURES



I:\6-charts\2404--\240483-Oakland 5755 Broadway\240483-FIGURES\240483 VICINITY.AI



EXPLANATION	
18D1	◆ Municipal well
13B3	⊖ Other well
	★ Subject site
	○ Study area

SOURCE: TOPOI MAPS

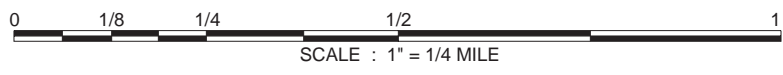


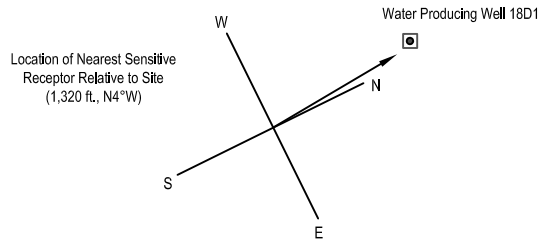
FIGURE 1

Shell-branded Service Station
 5755 Broadway
 Oakland, California



**CONESTOGA-ROVERS
 & ASSOCIATES**

Vicinity Map



EXPLANATION

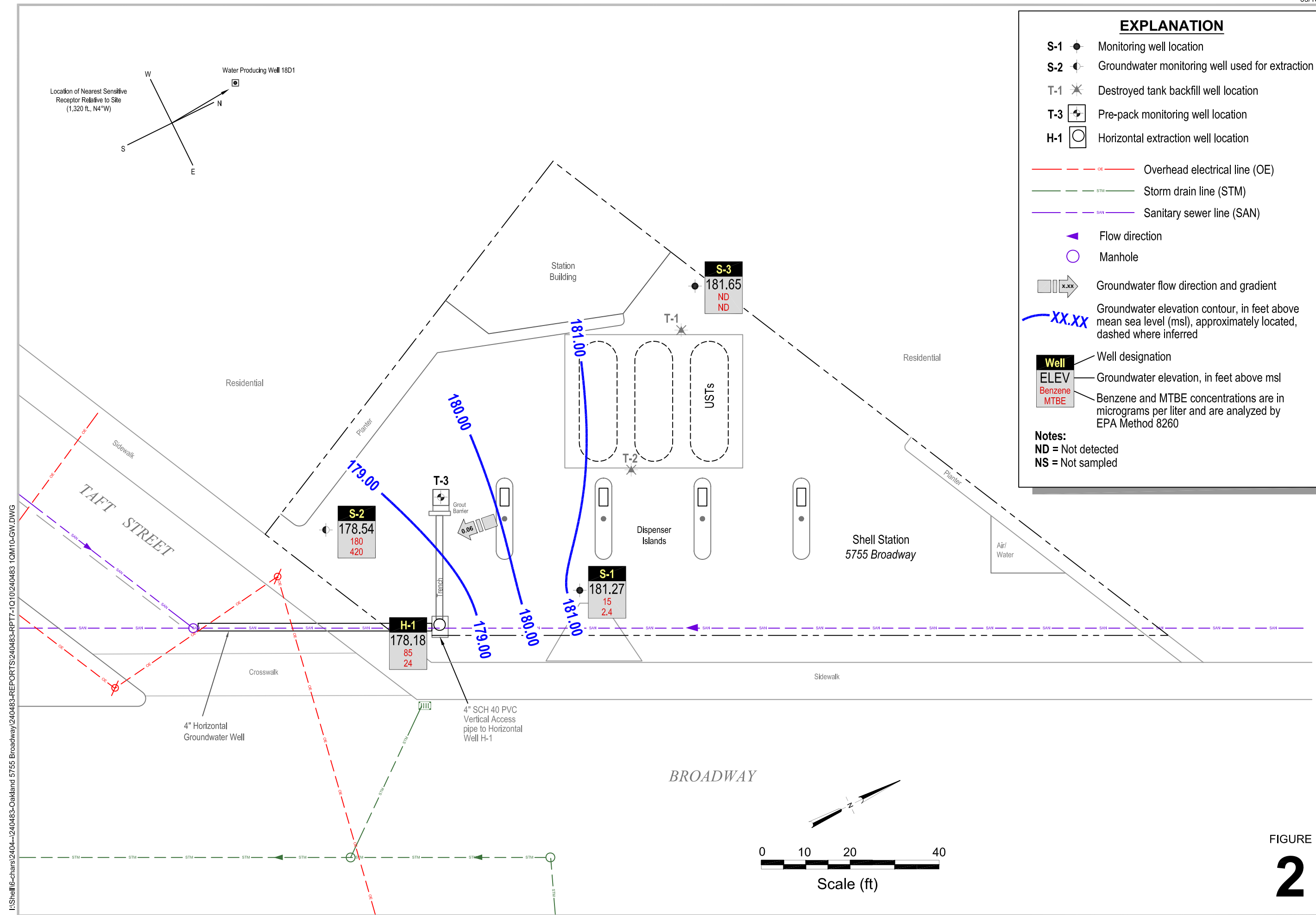
- S-1** ● Monitoring well location
- S-2** ● Groundwater monitoring well used for extraction
- T-1** ✱ Destroyed tank backfill well location
- T-3** ⊕ Pre-pack monitoring well location
- H-1** ○ Horizontal extraction well location

- **OE** Overhead electrical line (OE)
- **STM** Storm drain line (STM)
- **SAN** Sanitary sewer line (SAN)

- ▲ Flow direction
- Manhole
- ▭→ **x.xx** Groundwater flow direction and gradient
- **xx.xx** Groundwater elevation contour, in feet above mean sea level (msl), approximately located, dashed where inferred

Well	Well designation
ELEV	Groundwater elevation, in feet above msl
Benzene	Benzene and MTBE concentrations are in micrograms per liter and are analyzed by EPA Method 8260
MTBE	

Notes:
 ND = Not detected
 NS = Not sampled



I:\Shell\6-chars\2404--240483-Oakland 5755 Broadway\240483-REPORTS\240483-RPT7-1010240483-TQM10-GW.DWG

Groundwater Contour and Chemical Concentration Map

February 3, 2010



Shell-branded Service Station

5755 Broadway
Oakland, California

FIGURE **2**

APPENDIX A

BLAINE TECH SERVICES, INC. -
GROUNDWATER MONITORING REPORT

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

February 23, 2010

Denis Brown
Shell Oil Products US
20945 South Wilmington Avenue
Carson, CA 90810

First Quarter 2010 Groundwater Monitoring at
Shell-branded Service Station
5755 Broadway
Oakland, CA

Monitoring performed on February 3, 2010

Groundwater Monitoring Report **100203-FS-2**

This report covers the routine monitoring of groundwater wells at this Shell-branded facility. In accordance with standard procedures that conform to Regional Water Quality Control Board requirements, routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purge water (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

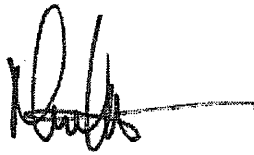
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty-hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight-hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. Our activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrological conditions or formulation of recommendations was performed.

Please call if you have any questions.

Yours truly,



Mike Ninokata
Project Manager

MN/np

attachments: Cumulative Table of WELL CONCENTRATIONS
Certified Analytical Report
Field Data Sheets

cc: Anni Kreml
Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608

WELL CONCENTRATIONS
Shell-branded Service Station
5755 Broadway
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-1	01/25/1991	<30	<0.3	<0.3	<0.3	<0.3	NA	NA	NA	NA	NA	NA	100.00	3.88	96.12	NA
S-1	06/03/1991	<30	<0.3	<0.3	<0.3	<0.3	NA	NA	NA	NA	NA	NA	100.00	3.51	96.49	NA
S-1	08/30/1991	<30	<0.3	<0.3	<0.3	<0.3	NA	NA	NA	NA	NA	NA	100.00	4.24	95.76	NA
S-1	11/22/1991	<30	2.3	<0.46	0.3	<0.65	NA	NA	NA	NA	NA	NA	100.00	4.29	95.71	NA
S-1	03/13/1992	<30	<0.52	<0.3	<0.3	<0.3	NA	NA	NA	NA	NA	NA	100.00	2.87	97.13	NA
S-1	05/28/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	100.00	3.79	96.21	NA
S-1	08/19/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	100.00	4.43	95.57	NA
S-1	11/18/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	100.00	4.34	95.66	NA
S-1	02/10/1993	51	1.4	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	100.00	4.20	95.80	NA
S-1 (D)	02/10/1993	<50	1.2	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	100.00	4.20	95.80	NA
S-1	06/11/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	100.00	3.39	96.61	NA
S-1	08/03/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	100.00	3.69	96.31	NA
S-1	11/02/1993	70a	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	100.00	4.26	95.74	NA
S-1	12/16/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100.00	2.73	97.27	NA
S-1	02/01/1994	60a	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	100.00	3.38	96.62	NA
S-1	05/04/1994	<50	1.1	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	100.00	3.00	97.00	NA
S-1	08/18/1994	<50	0.6	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	100.00	3.70	96.30	NA
S-1 (D)	08/18/1994	60a	0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	100.00	3.70	96.30	NA
S-1	11/09/1994	<50	4	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	100.00	2.52	97.48	NA
S-1	02/22/1995	50	0.8	0.7	<0.5	1.3	NA	NA	NA	NA	NA	NA	100.00	4.08	95.92	NA
S-1	05/02/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	100.00	2.58	97.42	NA
S-1	08/30/1995	<50	1.7	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	100.00	3.48	96.52	NA
S-1	11/28/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	100.00	3.99	96.01	NA
S-1	02/02/1996	<50	11	<0.5	0.9	<0.5	NA	NA	NA	NA	NA	NA	100.00	2.00	98.00	NA
S-1	03/09/1996	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	100.00	3.38	99.62	NA
S-1	08/22/1996	<50	1.5	<0.5	<0.5	<0.5	130	NA	NA	NA	NA	NA	100.00	3.43	96.57	NA
S-1	11/07/1996	<50	<0.5	<0.5	<0.5	<0.5	57	NA	NA	NA	NA	NA	100.00	3.70	96.30	4.33
S-1	02/20/1997	<50	0.64	<0.50	<0.50	1.6	6.5	NA	NA	NA	NA	NA	100.00	3.60	96.40	2
S-1	05/30/1997	<50	<0.50	<0.50	<0.50	<0.50	46	NA	NA	NA	NA	NA	100.00	3.47	96.53	7

WELL CONCENTRATIONS
Shell-branded Service Station
5755 Broadway
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-1 (D)	05/30/1997	<50	<0.50	<0.50	<0.50	<0.50	47	NA	NA	NA	NA	NA	100.00	3.47	96.53	7
S-1	08/21/1997	<50	<0.50	<0.50	<0.50	0.84	26	NA	NA	NA	NA	NA	100.00	3.01	96.99	3.1
S-1	11/03/1997	<50	<0.50	1.1	<0.50	1.3	190	NA	NA	NA	NA	NA	100.00	3.66	96.34	2
S-1	01/20/1998	110	7.9	2.8	4.4	13	53	NA	NA	NA	NA	NA	100.00	1.84	98.16	4.6
S-1 (D)	01/20/1998	130	9.2	6.9	5.2	15	93	NA	NA	NA	NA	NA	100.00	1.84	98.16	4.6
S-1	02/16/1999	<50	<0.50	<0.50	<0.50	<0.50	8.6	NA	NA	NA	NA	NA	100.00	2.43	97.57	2.2
S-1	09/07/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100.00	2.84	97.16	NA
S-1	02/02/2000	<50.0	<0.500	<0.500	<0.500	<0.500	202	NA	NA	NA	NA	NA	100.00	3.10	96.90	2.1
S-1	04/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100.00	2.91	97.09	NA
S-1	07/25/2000	<50.0	<0.500	<0.500	<0.500	<0.500	811	NA	NA	NA	NA	NA	100.00	3.21	96.79	1.8
S-1	11/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100.00	3.18	96.82	NA
S-1	02/12/2001	<50.0	<0.500	<0.500	<0.500	<0.500	209	NA	NA	NA	NA	NA	100.00	1.34	98.66	2.2
S-1	06/07/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100.00	1.27	98.73	NA
S-1	08/31/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	100.00	3.16	96.84	4.0
S-1	12/05/2001	NA	NA	NA	NA	NA	NA	2.6	NA	NA	NA	NA	100.00	1.90	98.10	NA
S-1	01/31/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	100.00	2.67	97.33	NA
S-1	06/04/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100.00	1.87	98.13	NA
S-1	07/25/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	100.00	2.01	97.99	NA
S-1	11/07/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	181.89	3.01	178.88	NA
S-1	11/14/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	181.89	3.40	178.49	NA
S-1	01/30/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	27	NA	NA	NA	NA	181.89	2.12	179.77	NA
S-1	06/03/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	181.89	1.83	180.06	NA
S-1	08/27/2003	<50	0.50	1.5	<0.50	2.0	NA	130	NA	NA	NA	NA	181.89	3.32	178.57	NA
S-1	11/25/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	181.89	3.28	178.61	NA
S-1	02/05/2004	270	2.4	6.4	5.8	19	NA	8.3	NA	NA	NA	NA	181.89	2.09	179.80	NA
S-1	04/21/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	181.89	2.61	179.28	NA
S-1	08/12/2004	<500	<5.0	<5.0	<5.0	<10	NA	1,100	<20	<20	<20	<50	181.89	3.70	178.19	NA
S-1	11/08/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	181.89	3.04	178.85	NA
S-1	05/16/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	4.9	NA	NA	NA	NA	181.89	3.10	178.79	NA

WELL CONCENTRATIONS
Shell-branded Service Station
5755 Broadway
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
---------	------	----------------	-------------	-------------	-------------	-------------	------------------------	------------------------	----------------	----------------	----------------	---------------	--------------	----------------------------	--------------------------	------------------------

S-1	08/16/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	64	<2.0	<2.0	<2.0	52	181.89	0.73	181.16	NA
S-1	11/03/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	181.89	3.49	178.40	NA
S-1	02/16/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	22.7	NA	NA	NA	NA	181.89	0.73	181.16	NA
S-1	05/05/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	181.89	0.71	181.18	NA
S-1	08/21/2006	<50.0	0.630	<0.500	<0.500	1.71	NA	44.6	<0.500	<0.500	<0.500	<10.0	181.89	3.34	178.55	NA
S-1	11/13/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	181.89	2.55	179.34	NA
S-1	01/30/2007	<50	<0.50	<0.50	<0.50	<1.0	NA	24	NA	NA	NA	NA	181.89	0.91	180.98	NA
S-1	05/23/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	181.89	2.50	179.39	NA
S-1	08/09/2007	<50 h	0.35 i	<1.0	<1.0	<1.0	NA	33	<2.0	<2.0	<2.0	<10	181.89	0.81	181.08	NA
S-1	11/13/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	181.89	0.55	181.34	NA
S-1	02/13/2008	<50 h	0.56	<1.0	<1.0	<1.0	NA	2.9	NA	NA	NA	NA	181.89	0.45	181.44	NA
S-1	05/20/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	181.89	1.00	180.89	NA
S-1	08/04/2008	66	<0.50	<1.0	<1.0	<1.0	NA	3.6	<2.0	<2.0	<2.0	<10	181.89	0.72	181.17	NA
S-1	12/02/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	181.89	0.89	181.00	NA
S-1	01/23/2009	<50	<0.50	<1.0	<1.0	2.1	NA	4.8	NA	NA	NA	NA	181.89	0.81	181.08	NA
S-1	05/05/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	181.89	0.81	181.08	NA
S-1	08/07/2009	53	0.86	<1.0	<1.0	<1.0	NA	34	<2.0	<2.0	<2.0	11	181.89	4.33	177.56	NA
S-1	02/03/2010	140	15	48	1.6	15	NA	2.4	NA	NA	NA	NA	181.89	0.62	181.27	NA

S-2	01/25/1991	450	140	1.8	6.2	15	NA	NA	NA	NA	NA	NA	98.92	4.52	94.40	NA
S-2	06/03/1991	490	150	2.7	8.2	7	NA	NA	NA	NA	NA	NA	98.92	4.02	94.90	NA
S-2	08/30/1991	70	0.37	<0.3	<0.3	<0.3	NA	NA	NA	NA	NA	NA	98.92	4.70	94.22	NA
S-2	11/22/1991	1,600	110	9.3	29	150	NA	NA	NA	NA	NA	NA	98.92	4.72	94.20	NA
S-2	03/13/1992	1,300	210	5.7	34	79	NA	NA	NA	NA	NA	NA	98.92	3.47	95.45	NA
S-2	05/28/1992	100	28	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	98.92	4.45	94.45	NA
S-2	08/19/1992	470	42	<0.5	8.3	4	NA	NA	NA	NA	NA	NA	98.92	4.84	94.08	NA
S-2	11/18/1992	490	43	39	17	29	NA	NA	NA	NA	NA	NA	98.92	4.73	94.19	NA
S-2	02/10/1993	19,000	710	760	80	370	NA	NA	NA	NA	NA	NA	98.92	4.83	94.09	NA
S-2	06/11/1993	33,000	3,100	1,600	370	1,100	NA	NA	NA	NA	NA	NA	98.92	3.74	95.18	NA

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S-2	08/03/1993	18,000	1,400	130	81	130	NA	NA	NA	NA	NA	NA	98.92	4.23	94.69	NA
S-2 (D)	08/03/1993	19,000	1,400	140	86	150	NA	NA	NA	NA	NA	NA	98.92	4.23	94.69	NA
S-2	11/02/1993	12,000 a	470	47	31	92	NA	NA	NA	NA	NA	NA	98.92	4.72	94.20	NA
S-2 (D)	11/02/1993	13,000 a	530	47	35	96	NA	NA	NA	NA	NA	NA	98.92	4.72	94.20	NA
S-2	12/16/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	98.92	3.00	95.92	NA
S-2	02/01/1994	31,000 a	430	46	50	130	NA	NA	NA	NA	NA	NA	98.92	3.48	95.44	NA
S-2 (D)	02/01/1994	31,000 a	300	33	30	100	NA	NA	NA	NA	NA	NA	98.92	3.48	95.44	NA
S-2	05/04/1994	3,900	1,200	31	53	71	NA	NA	NA	NA	NA	NA	98.92	3.26	95.66	NA
S-2 (D)	05/04/1994	4,500	1,200	37	57	110	NA	NA	NA	NA	NA	NA	98.92	3.26	95.66	NA
S-2	08/18/1994	24,000	600	8.3	15	27	NA	NA	NA	NA	NA	NA	98.92	3.98	94.94	NA
S-2	11/09/1994	1,400 a	240	9.3	13	20	NA	NA	NA	NA	NA	NA	98.92	3.10	95.82	NA
S-2 (D)	11/09/1994	1,800	260	8.5	13	21	NA	NA	NA	NA	NA	NA	98.92	3.10	95.82	NA
S-2	02/22/1995	29,000	550	18	12	63	NA	NA	NA	NA	NA	NA	98.92	4.02	94.90	NA
S-2 (D)	02/22/1995	28,000	530	17	10	60	NA	NA	NA	NA	NA	NA	98.92	4.02	94.90	NA
S-2	05/02/1995	4,400	1,000	25	38	77	NA	NA	NA	NA	NA	NA	98.92	2.86	96.06	NA
S-2 (D)	05/02/1995	4,400	1,000	26	41	83	NA	NA	NA	NA	NA	NA	98.92	2.86	96.06	NA
S-2	08/30/1995	800	350	20	6.7	16	NA	NA	NA	NA	NA	NA	98.92	4.06	94.86	NA
S-2 (D)	08/30/1995	960	220	22	12	48	NA	NA	NA	NA	NA	NA	98.92	4.06	94.86	NA
S-2	11/28/1995	2,000	230	220	50	230	NA	NA	NA	NA	NA	NA	98.92	4.48	94.44	NA
S-2 (D)	11/28/1995	2,100	240	230	51	230	NA	NA	NA	NA	NA	NA	98.92	4.48	94.44	NA
S-2	02/02/1996	18,000	540	18	12	22	NA	NA	NA	NA	NA	NA	98.92	1.99	96.93	NA
S-2 (D)	02/02/1996	11,000	600	18	13	28	NA	NA	NA	NA	NA	NA	98.92	1.99	96.93	NA
S-2	03/09/1996	3,800	1,500	27	30	58	NA	NA	NA	NA	NA	NA	98.92	3.27	95.65	NA
S-2 (D)	03/09/1996	3,500	1,300	24	21	53	NA	NA	NA	NA	NA	NA	98.92	3.27	95.65	NA
S-2	08/22/1996	<20,000	490	<200	<200	<200	43,000	NA	NA	NA	NA	NA	98.92	3.85	95.07	NA
S-2 (D)	08/22/1996	<20,000	570	<200	<200	<200	59,000	51,000	NA	NA	NA	NA	98.92	3.85	95.07	NA
S-2	11/07/1996	<5,000	290	<50	<50	<50	32,000	NA	NA	NA	NA	NA	98.92	4.00	94.92	3.51
S-2 (D)	11/07/1996	<5,000	290	<50	<50	<50	32,000	NA	NA	NA	NA	NA	98.92	4.00	94.92	3.51
S-2	02/20/1997	<10,000	520	<100	<100	<100	28,000	NA	NA	NA	NA	NA	98.92	3.20	95.72	1

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S-2 (D)	02/20/1997	<10,000	520	<100	<100	<100	35,000	NA	NA	NA	NA	NA	98.92	3.20	95.72	1
S-2	05/30/1997	150	15	11	3.5	15	11	NA	NA	NA	NA	NA	98.92	3.87	95.05	6
S-2	08/21/1997	1,600	220	<10	20	<10	18,000	NA	NA	NA	NA	NA	98.92	3.29	95.63	3.3
S-2 (D)	08/21/1997	1,500	180	<10	16	<10	21,000	NA	NA	NA	NA	NA	98.92	3.29	95.63	3.3
S-2	11/03/1997	1,000	94	<10	<10	<10	<50	NA	NA	NA	NA	NA	98.92	4.02	94.90	1.8
S-2	01/20/1998	590	110	8.3	18	23	7,800	NA	NA	NA	NA	NA	98.92	1.54	97.38	3.2
S-2	07/23/1998	2,600	840	<10	44	22	15,000	NA	NA	NA	NA	NA	98.92	2.89	96.03	NA
S-2	02/16/1999	680	140	6.1	10	18	19,000	NA	NA	NA	NA	NA	98.92	1.86	97.06	2.0
S-2	09/07/1999	<2,000	248	<20.0	<20.0	<20.0	22,800	NA	NA	NA	NA	NA	98.92	3.66	95.26	1.8
S-2	02/02/2000	103	0.825	<0.500	<0.500	<0.500	11,700	10,500	NA	NA	NA	NA	98.92	4.02	94.90	2.0
S-2	04/26/2000	4,040	799	<20.0	40.9	255	19,000	17,100 b	NA	NA	NA	NA	98.92	2.63	96.29	2.3'
S-2	07/25/2000	1,120	195	5.94	5.62	11.3	26,600	21,100	NA	NA	NA	NA	98.92	3.42	95.50	0.6
S-2 b	11/15/2000	613	35.6	<5.00	<5.00	7.36	18,100	17,800	NA	NA	NA	NA	98.92	3.31	95.61	1.8
S-2	02/12/2001	9,010	1,430	<20.0	219	848	28,300	17,000	NA	NA	NA	NA	98.92	1.47	97.45	2.0
S-2	06/07/2001	31,000	1,000	<25	630	3,200	NA	17,000	NA	NA	NA	NA	98.92	3.43	95.49	10.4
S-2	08/31/2001	50,000	950	<20	1,500	6,000	NA	17,000	NA	NA	NA	NA	98.92	4.72	94.20	0.9
S-2	12/05/2001	49,000	590	7.2	1,400	4,900	NA	11,000	NA	NA	NA	NA	98.92	1.53	97.39	NA
S-2	01/31/2002	37,000	860	<25	1,100	4,000	NA	14,000	NA	NA	NA	NA	98.92	2.13	96.79	NA
S-2	06/04/2002	150,000	800	<20	1,200	4,000	NA	9,200	NA	NA	NA	NA	98.92	2.24	96.68	NA
S-2	07/25/2002	37,000	350	<20	660	2,400	NA	10,000	NA	NA	NA	NA	98.92	2.03	96.89	NA
S-2	11/14/2002	25,000	510	<25	590	2,000	NA	10,000	NA	NA	NA	NA	180.79	3.17	177.62	NA
S-2	01/02/2003	NA	710	<25	560	2,074	NA	NA	NA	NA	NA	NA	180.79	2.15	178.64	NA
S-2	01/30/2003	21,000	670	<20	360	1,200	NA	9,300	NA	NA	NA	NA	180.79	2.09	178.70	NA
S-2	06/03/2003	42,000	800	<50	660	1,500	NA	9,600	NA	NA	NA	NA	180.79	3.08	177.71	NA
S-2	08/27/2003	31,000	630	<100	510	1,200	NA	15,000	NA	NA	NA	NA	180.79	2.55	178.24	NA
S-2	11/25/2003 d	8,400 a	<50	<50	<50	<100	NA	4,500	NA	NA	NA	NA	180.79	NA	NA	NA
S-2	02/05/2004	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	180.79	NA	NA	NA
S-2	02/10/2004 d	<2,500	130	<25	<25	<50	NA	3,800	NA	NA	NA	NA	180.79	NA	NA	NA
S-2	04/21/2004	4,700	100	<25	<25	<50	NA	2,900	NA	NA	NA	NA	180.79	7.38	173.41	NA

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S-2	08/12/2004	2,600	63	<13	<13	<25	NA	1,400	<50	<50	<50	1,200	180.79	e	NA	NA
S-2	11/08/2004	3,600	<25	<25	<25	<50	NA	1,300	NA	NA	NA	NA	180.79	f	NA	NA
S-2	05/16/2005	73 g	<0.50	<0.50	<0.50	<1.0	NA	3.3	NA	NA	NA	NA	180.79	3.33	177.46	NA
S-2	08/16/2005	10,000	370	<13	60	63	NA	1,300	<50	<50	<50	2,900	180.79	4.03	176.76	NA
S-2	11/03/2005	1,010	31.4	<0.500	2.81	31.4	NA	349	NA	NA	NA	880	180.79	NA	NA	NA
S-2	02/16/2006	5,350	79.0	<0.500	2.90	59.5	NA	687	NA	NA	NA	690	180.79	5.86	174.93	NA
S-2	05/05/2006	5,240	148	<0.500	17.1	48.8	NA	815	NA	NA	NA	478	180.79	NA	NA	NA
S-2	08/21/2006	4,640	162	0.910	25.8	27.2	NA	519	<0.500	<0.500	0.780	711	180.79	4.72	176.07	NA
S-2	11/13/2006	2,100	200	<5.0	58	21	NA	820	NA	NA	NA	1,300	180.79	3.44	177.35	NA
S-2	01/30/2007	3,300	250	<5.0	59	17	NA	1,100	NA	NA	NA	1,600	180.79	2.32	178.47	NA
S-2	05/23/2007	4,600 h	410	2.3 i	92	24.8 i	NA	890	NA	NA	NA	620	180.79	2.61	178.18	NA
S-2	08/09/2007	4,100 h	320	<10	30	11	NA	650	<20	<20	<20	1,400	180.79	3.72	177.07	NA
S-2	11/13/2007	4,900 h	230	<10	33	12	NA	540	<20	<20	<20	590	180.79	2.31	178.48	NA
S-2	02/13/2008	4,800 h	560	<10	67	37	NA	1,500	NA	NA	NA	610	180.79	1.83	178.96	NA
S-2	05/20/2008	5,400	340	<10	11	17	NA	460	NA	NA	NA	310	180.79	2.90	177.89	NA
S-2	08/04/2008	4,800	240	<10	<10	<10	NA	390	<20	<20	<20	640	180.79	3.95	176.84	NA
S-2	12/02/2008	3,700	120	<5.0	<5.0	<5.0	NA	280	NA	NA	NA	810	180.79	4.13	176.66	NA
S-2	01/23/2009	3,500	210	<10	26	<10	NA	640	NA	NA	NA	650	180.79	2.85	177.94	NA
S-2	05/05/2009	3,200	190	<5.0	7.6	5.5	NA	340	NA	NA	NA	350	180.79	2.48	178.31	NA
S-2	08/07/2009	3,100	76	<1.0	<1.0	2.3	NA	81	<2.0	<2.0	<2.0	310	180.79	4.78	176.01	NA
S-2	02/03/2010	4,000	180	<1.0	34	9.1	NA	420	NA	NA	NA	190	180.79	2.25	178.54	NA
S-3	01/25/1991	<30	<0.3	<0.3	<0.3	<0.3	NA	NA	NA	NA	NA	NA	101.67	3.84	97.83	NA
S-3	06/03/1991	<30	<0.3	0.3	0.3	0.3	NA	NA	NA	NA	NA	NA	101.67	3.25	98.42	NA
S-3	08/03/1991	<30	<0.3	<0.3	<0.3	<0.3	NA	NA	NA	NA	NA	NA	101.67	4.73	96.94	NA
S-3	11/22/1991	<30	<0.3	<0.3	<0.3	<0.3	NA	NA	NA	NA	NA	NA	101.67	4.81	96.86	NA
S-3	03/13/1992	<30	<0.3	0.3	0.3	0.3	NA	NA	NA	NA	NA	NA	101.67	2.29	99.38	NA
S-3	05/28/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	101.67	3.62	98.05	NA
S-3	08/19/1992	<50	<0.5	<0.5	<0.5	0.5	NA	NA	NA	NA	NA	NA	101.67	4.66	97.01	NA

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S-3	11/18/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	101.67	4.51	97.16	NA
S-3	02/10/1993	30	1.9	3.2	2.4	5.6	NA	NA	NA	NA	NA	NA	101.67	4.36	97.31	NA
S-3	06/11/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	101.67	2.91	98.76	NA
S-3 (D)	06/11/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	101.67	2.91	98.76	NA
S-3	08/03/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	101.67	3.70	97.97	NA
S-3	11/02/1993	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	101.67	NA	NA	NA
S-3	12/16/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	101.67	2.12	99.55	NA
S-3	02/01/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	101.67	2.90	98.77	NA
S-3	05/04/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	101.67	2.54	99.13	NA
S-3	08/18/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	101.67	3.51	98.16	NA
S-3	11/09/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	101.67	2.44	99.23	NA
S-3	02/22/1995	80	<0.5	0.5	<0.5	0.5	NA	NA	NA	NA	NA	NA	101.67	4.12	97.55	NA
S-3	05/02/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	101.67	2.83	98.84	NA
S-3	08/30/1995	<50	0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	101.67	3.16	98.51	NA
S-3	11/28/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	101.67	3.87	97.80	NA
S-3	02/02/1996	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	101.67	2.24	99.43	NA
S-3	03/09/1996	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	101.67	3.05	98.62	NA
S-3	08/22/1996	<50	0.8	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	101.67	2.85	98.82	4.6
S-3	11/07/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	101.67	3.35	98.32	4.6
S-3	02/20/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	101.67	3.00	98.67	1
S-3	05/30/1997	140	14	10	3.3	14	8.6	NA	NA	NA	NA	NA	101.67	3.00	98.67	8
S-3	08/21/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	101.67	2.94	98.73	3.3
S-3	11/03/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	101.67	3.36	98.31	2.4
S-3 (D)	11/03/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	101.67	3.36	98.31	2.4
S-3	01/20/1998	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	101.67	NA	NA	NA
S-3	07/23/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	101.67	2.69	98.98	NA
S-3	02/16/1999	<50	<0.50	0.92	0.59	3.9	3.7	NA	NA	NA	NA	NA	101.67	2.20	99.47	2.8
S-3	09/07/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	101.67	2.81	98.86	NA
S-3	02/02/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	101.67	3.97	97.70	2.7

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S-3	04/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	101.67	2.96	98.71	NA
S-3	07/25/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	101.67	3.00	98.67	0.8
S-3	11/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	101.67	2.86	98.81	NA
S-3	02/12/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	101.67	2.47	99.20	2.3
S-3	06/07/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	101.67	2.78	98.89	NA
S-3	08/31/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	101.67	3.94	97.73	0.5
S-3	12/05/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	101.67	2.05	99.62	NA
S-3	01/31/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	101.67	2.29	99.38	NA
S-3	06/04/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	101.67	2.56	99.11	NA
S-3	07/25/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	101.67	2.70	98.97	NA
S-3	11/14/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	183.54	3.43	180.11	NA
S-3	01/30/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	183.54	2.16	181.38	NA
S-3	01/30/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	183.54	2.65	180.89	NA
S-3	08/27/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	0.55	NA	NA	NA	NA	183.54	2.75	180.79	NA
S-3	11/25/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	183.54	2.85	180.69	NA
S-3	02/05/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	183.54	2.04	181.50	NA
S-3	04/21/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	183.54	2.50	181.04	NA
S-3	08/12/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	183.54	3.91	179.63	NA
S-3	11/08/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	183.54	2.84	180.70	NA
S-3	05/16/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	183.54	3.05	180.49	NA
S-3	08/16/2005	<100	<1.0	<1.0	<1.0	<2.0	NA	<1.0	<4.0	<4.0	<4.0	<10	183.54	3.42	180.12	NA
S-3	11/03/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	183.54	4.09	179.45	NA
S-3	02/16/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	NA	183.54	2.25	181.29	NA
S-3	05/05/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	183.54	2.27	181.27	NA
S-3	08/21/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	<0.500	<0.500	0.570	36.4	183.54	3.17	180.37	NA
S-3	11/13/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	183.54	3.42	180.12	NA
S-3	01/30/2007	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	183.54	2.36	181.18	NA
S-3	05/23/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	183.54	2.65	180.89	NA
S-3	08/09/2007	<50 h	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	183.54	2.93	180.61	NA

WELL CONCENTRATIONS
Shell-branded Service Station
5755 Broadway
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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S-3	11/13/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	183.54	2.04	181.50	NA
S-3	02/13/2008	<50 h	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	183.54	2.03	181.51	NA
S-3	05/20/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	183.54	2.75	180.79	NA
S-3	08/04/2008	<50	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	183.54	3.52	180.02	NA
S-3	12/02/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	183.54	3.68	179.86	NA
S-3	01/23/2009	<50	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	183.54	2.52	181.02	NA
S-3	05/05/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	183.54	2.02	181.52	NA
S-3	08/07/2009	<50	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	183.54	4.61	178.93	NA
S-3	02/03/2010	<50	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	183.54	1.89	181.65	NA

H-1	12/05/2001	150	<0.50	8.3	1.6	16	NA	52	NA	NA	NA	NA	NA	1.43	NA	NA
H-1	01/31/2002	3,200	12	<0.50	5.7	3.7	NA	650	NA	NA	NA	NA	NA	2.34	NA	NA
H-1	06/04/2002	280,000	<10	150	62	9,500	NA	<100	NA	NA	NA	NA	NA	2.56	NA	NA
H-1	07/25/2002	8,200	2.2	46	5.3	99	NA	<10	NA	NA	NA	NA	NA	2.83	NA	NA
H-1	11/14/2002	1,700	2.1	2.6	1.5	14	NA	380	NA	NA	NA	NA	180.63	3.74	176.89	NA
H-1	01/02/2003	NA	1.1	<0.50	<0.50	3.6	NA	NA	NA	NA	NA	NA	180.63	1.45	179.18	NA
H-1	01/30/2003	630	0.99	2.0	1.6	12	NA	21	NA	NA	NA	NA	180.63	2.10	178.53	NA
H-1	06/03/2003	55	<0.50	1.3	<0.50	2.4	NA	2.6	NA	NA	NA	NA	180.63	3.38	177.25	NA
H-1	08/27/2003	<50	0.55	<0.50	<0.50	1.2	NA	2.8	NA	NA	NA	NA	180.63	4.10	176.53	NA
H-1	11/25/2003	77 a	9.7	<0.50	<0.50	<1.0	NA	21	NA	NA	NA	NA	180.63	3.72	176.91	NA
H-1	02/05/2004	380	41	1.2	5.1	8.0	NA	21	NA	NA	NA	NA	180.63	1.69	178.94	NA
H-1	04/21/2004	640	27	0.63	2.0	2.3	NA	33	NA	NA	NA	NA	180.63	2.14	178.49	NA
H-1	08/12/2004	340	18	0.75	<0.50	1.7	NA	43	NA	NA	NA	NA	180.63	4.78	175.85	NA
H-1	11/08/2004	1,500	29	<1.0	1.7	<2.0	NA	57	NA	NA	NA	NA	180.63	4.17	176.46	NA
H-1	05/16/2005	150 g	<0.50	<0.50	<0.50	<1.0	NA	48	NA	NA	NA	NA	180.63	4.16	176.47	NA
H-1	08/16/2005	100 g	<0.50	<0.50	<0.50	<1.0	NA	57	NA	NA	NA	NA	180.63	4.66	175.97	NA
H-1	11/03/2005	<50.0	<0.500	<0.500	<0.500	<0.500	NA	12.1	NA	NA	NA	NA	180.63	5.13	175.50	NA
H-1	02/16/2006	4,230	<0.500	<0.500	37.7	80.5	NA	7.12	NA	NA	NA	NA	180.63	1.87	178.76	NA
H-1	05/05/2006	368	<0.500	<0.500	2.56	<0.500	NA	22.2	NA	NA	NA	NA	180.63	2.21	178.42	NA

WELL CONCENTRATIONS
Shell-branded Service Station
5755 Broadway
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
H-1	08/21/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	180.63	4.62	176.01	NA
H-1	11/13/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	180.63	3.89	176.74	NA
H-1	01/30/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	180.63	3.04	177.59	NA
H-1	05/23/2007	330 h	7.9	0.32 i	0.48 i	0.61 i	NA	74	NA	NA	NA	NA	180.63	3.38	177.25	NA
H-1	08/09/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	180.63	4.30	176.33	NA
H-1	11/13/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	180.63	1.97	178.66	NA
H-1	02/13/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	180.63	1.78	178.85	NA
H-1	05/20/2008	230	19	<1.0	2.8	2.2	NA	23	NA	NA	NA	NA	180.63	3.60	177.03	NA
H-1	08/04/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	180.63	3.27	177.36	NA
H-1	12/02/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	180.63	4.33	176.30	NA
H-1	01/23/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	180.63	2.03	178.60	NA
H-1	05/05/2009	290	15	<1.0	7.1	4.2	NA	36	NA	NA	NA	NA	180.63	2.76	177.87	NA
H-1	08/07/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	180.63	5.49	175.14	NA
H-1	02/03/2010	2,700	85	1.5	130	62	NA	24	NA	NA	NA	NA	180.63	2.45	178.18	NA

T-1	05/30/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.65	NA	NA
T-1	08/21/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.69	NA	NA
T-1	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.09	NA	NA
T-1	01/20/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.61	NA	NA
T-1	07/23/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.32	NA	NA
T-1	02/16/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.95	NA	NA
T-1	09/07/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.48	NA	NA
T-1	02/02/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	NA	2.66	NA	2.5
T-1	04/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.56	NA	NA
T-1	07/25/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.60	NA	NA
T-1	11/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.47	NA	NA
T-1	02/12/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.20	NA	NA
T-1	06/07/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.36	NA	NA
T-1	08/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.45	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
5755 Broadway
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
T-1	01/09/2002 c	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	183.08	NA	NA	NA
T-2	05/30/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.81	NA	NA
T-2	08/21/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.89	NA	NA
T-2	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.25	NA	NA
T-2	01/20/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.55	NA	NA
T-2	07/23/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.21	NA	NA
T-2	02/16/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.08	NA	NA
T-2	09/07/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.72	NA	NA
T-2	02/02/2000	1,540	53.4	20.8	11.4	21.8	1,330	NA	NA	NA	NA	NA	NA	0.98	NA	3.0
T-2	04/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.02	NA	NA
T-2	07/25/2000	815	17.6	10.8	1.63	3.47	133	NA	NA	NA	NA	NA	NA	1.80	NA	0.8
T-2	11/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.68	NA	NA
T-2	02/12/2001	310	7.48	7.76	0.693	2.28	301	NA	NA	NA	NA	NA	NA	1.45	NA	1.6
T-2	06/07/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.57	NA	NA
T-2	08/31/2001	720	30	0.67	<0.50	2.3	NA	540	NA	NA	NA	NA	NA	2.69	NA	0.8
T-2	12/05/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.58	NA	NA
T-2	01/31/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.32	NA	NA
T-2	02/04/2002	1,000	41	30	4.6	20	NA	1,200	NA	NA	NA	NA	NA	1.46	NA	NA
T-2	06/04/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.50	NA	NA
T-2	07/25/2002	660	11	0.59	<0.50	2.6	NA	97	NA	NA	NA	NA	NA	1.53	NA	NA
T-2	11/14/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	182.30	2.39	179.91	NA
T-2	01/30/2003	560	11	<0.50	<0.50	0.53	NA	160	NA	NA	NA	NA	182.30	1.01	181.29	NA
T-2	06/03/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	182.30	1.55	180.75	NA
T-2	08/27/2003	180 a	1.6	<0.50	<0.50	<1.0	NA	10	NA	NA	NA	NA	182.30	1.60	180.70	NA
T-2	11/25/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	182.30	1.64	180.66	NA
T-2	02/05/2004	940	110	10	2.4	14	NA	67	NA	NA	NA	NA	182.30	0.66	181.64	NA
T-2	04/21/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	182.30	1.50	180.80	NA
T-2	08/12/2004	450	<0.50	<0.50	<0.50	<1.0	NA	33	NA	NA	NA	NA	182.30	2.72	179.58	NA

WELL CONCENTRATIONS
Shell-branded Service Station
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Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
T-2	11/08/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	182.30	1.72	180.58	NA
T-3	05/30/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.31	NA	NA
T-3	08/21/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.57	NA	NA
T-3	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.50	NA	NA
T-3	01/20/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.76	NA	NA
T-3	07/23/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.82	NA	NA
T-3	02/16/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.55	NA	NA
T-3	09/07/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.89	NA	NA
T-3	02/02/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	NA	3.02	NA	2.9
T-3	04/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.81	NA	NA
T-3	07/25/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.00	NA	NA
T-3	11/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.70	NA	NA
T-3	02/12/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.11	NA	NA
T-3	06/07/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.68	NA	NA
T-3	08/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.14	NA	NA
T-3	01/09/2002 c	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	180.95	NA	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
5755 Broadway
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to June 7, 2001, analyzed by EPA Method 8015.

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to June 7, 2001, analyzed by EPA Method 8020.

MTBE = Methyl tertiary butyl ether

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

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

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

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

TOC = Top of Casing Elevation

SPH = Separate-Phase Hydrocarbons

GW = Groundwater

DO = Dissolved Oxygen

ug/L = Parts per billion

ppm = Parts per million

MSL = Mean sea level

ft. = Feet

<n = Below detection limit

(D) = Duplicate sample

NA = Not applicable

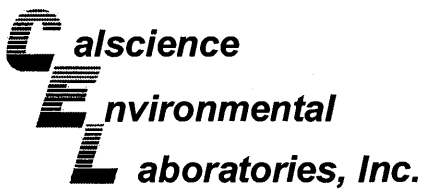
WELL CONCENTRATIONS
Shell-branded Service Station
5755 Broadway
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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Notes:

- a = Chromatogram pattern indicated an unidentified hydrocarbon/Hydrocarbon does not match pattern of laboratory's standard.
- b = This sample analyzed outside of EPA recommended hold time.
- c = Survey date only.
- d = Sampled by client; Cambria Environmental.
- e = Unable to gauge depth to water due to extraction tubing.
- f = Unable to gauge.
- g = Quantity of unknown hydrocarbon(s) in sample based on gasoline.
- h = Analyzed by EPA Method 8015B (M).
- i = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.

Site surveyed January 9, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.



February 17, 2010

Michael Ninokata
Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Subject: **Calscience Work Order No.: 10-02-0501**
Client Reference: **5755 Broadway, Oakland, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 2/5/2010 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in cursive script that reads "Philip Samelle for".

Calscience Environmental
Laboratories, Inc.
Xuan H. Dang
Project Manager

Analytical Report



Blaine Tech Services, Inc.
 1680 Rogers Avenue
 San Jose, CA 95112-1105

Date Received: 02/05/10
 Work Order No: 10-02-0501
 Preparation: EPA 5030B
 Method: LUFT GC/MS / EPA 8260B
 Units: ug/L

Project: 5755 Broadway, Oakland, CA

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-1	10-02-0501-1-A	02/03/10 14:40	Aqueous	GC/MS RR	02/10/10	02/10/10 15:17	100210L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	15	0.50	1		Xylenes (total)	15	1.0	1	
Ethylbenzene	1.6	1.0	1		Methyl-t-Butyl Ether (MTBE)	2.4	1.0	1	
Toluene	48	1.0	1		TPPH	140	50	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	100	80-132			1,2-Dichloroethane-d4	98	80-141		
Toluene-d8	97	80-120			Toluene-d8-TPPH	101	88-112		
1,4-Bromofluorobenzene	95	76-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-3	10-02-0501-3-A	02/03/10 14:30	Aqueous	GC/MS RR	02/10/10	02/10/10 17:06	100210L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	101	80-132			1,2-Dichloroethane-d4	96	80-141		
Toluene-d8	98	80-120			Toluene-d8-TPPH	102	88-112		
1,4-Bromofluorobenzene	93	76-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
H-1	10-02-0501-4-A	02/03/10 14:15	Aqueous	GC/MS RR	02/10/10	02/10/10 17:34	100210L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	85	0.50	1		Xylenes (total)	62	1.0	1	
Ethylbenzene	130	1.0	1		Methyl-t-Butyl Ether (MTBE)	24	1.0	1	
Toluene	1.5	1.0	1		TPPH	2700	50	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	98	80-132			1,2-Dichloroethane-d4	95	80-141		
Toluene-d8	101	80-120			Toluene-d8-TPPH	105	88-112		
1,4-Bromofluorobenzene	101	76-120							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Blaine Tech Services, Inc.
 1680 Rogers Avenue
 San Jose, CA 95112-1105

Date Received: 02/05/10
 Work Order No: 10-02-0501
 Preparation: EPA 5030B
 Method: LUFT GC/MS / EPA 8260B
 Units: ug/L

Project: 5755 Broadway, Oakland, CA

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-767-3.372	N/A	Aqueous	GC/MS RR	02/10/10	02/10/10 14:50	100210L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	105	80-132			1,2-Dichloroethane-d4	101	80-141		
Toluene-d8	98	80-120			Toluene-d8-TPPH	102	88-112		
1,4-Bromofluorobenzene	94	76-120							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Blaine Tech Services, Inc.
 1680 Rogers Avenue
 San Jose, CA 95112-1105

Date Received: 02/05/10
 Work Order No: 10-02-0501
 Preparation: EPA 5030B
 Method: LUFT GC/MS / EPA 8260B
 Units: ug/L

Project: 5755 Broadway, Oakland, CA

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-2	10-02-0501-2-A	02/03/10 15:00	Aqueous	GC/MS RR	02/10/10	02/10/10 16:39	100210L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	180	0.50	1		Methyl-t-Butyl Ether (MTBE)	420	5.0	5	
Ethylbenzene	34	1.0	1		Tert-Butyl Alcohol (TBA)	190	10	1	
Toluene	ND	1.0	1		TPPH	4000	250	5	
Xylenes (total)	9.1	1.0	1						
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
Dibromofluoromethane	95	80-132			1,2-Dichloroethane-d4	91	80-141		
Toluene-d8	102	80-120			Toluene-d8-TPPH	107	88-112		
1,4-Bromofluorobenzene	97	76-120							

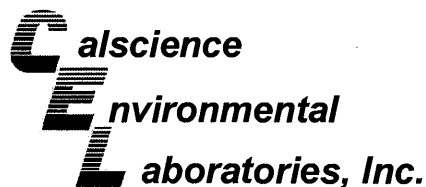
Method Blank	099-12-767-3,372	N/A	Aqueous	GC/MS RR	02/10/10	02/10/10 14:50	100210L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Xylenes (total)	ND	1.0	1						
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
Dibromofluoromethane	105	80-132			1,2-Dichloroethane-d4	101	80-141		
Toluene-d8	98	80-120			Toluene-d8-TPPH	102	88-112		
1,4-Bromofluorobenzene	94	76-120							

Method Blank	099-12-767-3,381	N/A	Aqueous	GC/MS RR	02/11/10	02/11/10 13:59	100211L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Xylenes (total)	ND	1.0	1						
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
Dibromofluoromethane	107	80-132			1,2-Dichloroethane-d4	105	80-141		
Toluene-d8	100	80-120			Toluene-d8-TPPH	104	88-112		
1,4-Bromofluorobenzene	95	76-120							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Quality Control - Spike/Spike Duplicate



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

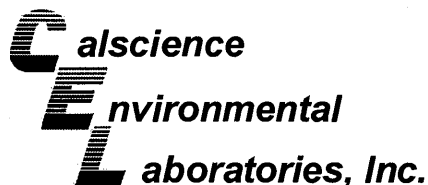
Date Received: 02/05/10
Work Order No: 10-02-0501
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA
8260B

Project 5755 Broadway, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-1	Aqueous	GC/MS RR	02/10/10	02/10/10	100210S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	97	98	72-120	1	0-20	
Carbon Tetrachloride	105	107	63-135	2	0-20	
Chlorobenzene	98	96	80-120	1	0-20	
1,2-Dibromoethane	96	96	80-120	1	0-20	
1,2-Dichlorobenzene	99	96	80-120	3	0-20	
1,1-Dichloroethene	95	114	60-132	18	0-24	
Ethylbenzene	100	100	78-120	0	0-20	
Toluene	94	95	74-122	1	0-20	
Trichloroethene	97	100	69-120	3	0-20	
Vinyl Chloride	80	81	58-130	2	0-20	
Methyl-t-Butyl Ether (MTBE)	93	97	72-126	4	0-21	
Tert-Butyl Alcohol (TBA)	97	94	72-126	2	0-20	
Diisopropyl Ether (DIPE)	90	93	71-137	3	0-23	
Ethyl-t-Butyl Ether (ETBE)	91	93	74-128	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	100	101	76-124	1	0-20	
Ethanol	122	129	35-167	6	0-48	

RPD - Relative Percent Difference, CL - Control Limit



Quality Control - Spike/Spike Duplicate



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

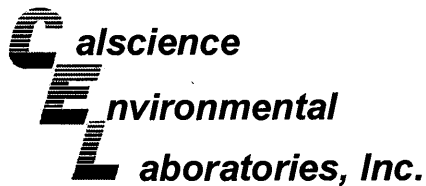
Date Received: 02/05/10
Work Order No: 10-02-0501
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 5755 Broadway, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-02-0725-1	Aqueous	GC/MS RR	02/11/10	02/11/10	100211S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	105	104	72-120	0	0-20	
Carbon Tetrachloride	121	117	63-135	3	0-20	
Chlorobenzene	101	100	80-120	1	0-20	
1,2-Dibromoethane	100	100	80-120	0	0-20	
1,2-Dichlorobenzene	97	98	80-120	1	0-20	
1,1-Dichloroethene	109	105	60-132	4	0-24	
Ethylbenzene	104	103	78-120	1	0-20	
Toluene	107	105	74-122	2	0-20	
Trichloroethene	104	105	69-120	0	0-20	
Vinyl Chloride	78	76	58-130	3	0-20	
Methyl-t-Butyl Ether (MTBE)	104	103	72-126	1	0-21	
Tert-Butyl Alcohol (TBA)	92	86	72-126	7	0-20	
Diisopropyl Ether (DIPE)	98	96	71-137	2	0-23	
Ethyl-t-Butyl Ether (ETBE)	100	98	74-128	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	105	107	76-124	3	0-20	
Ethanol	94	89	35-167	6	0-48	

RPD - Relative Percent Difference, CL - Control Limit



Quality Control - LCS/LCS Duplicate



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: N/A
Work Order No: 10-02-0501
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 5755 Broadway, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-12-767-3,372	Aqueous	GC/MS RR	02/10/10	02/10/10	100210L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	97	98	80-122	73-129	2	0-20	
Carbon Tetrachloride	99	102	68-140	56-152	3	0-20	
Chlorobenzene	95	97	80-120	73-127	2	0-20	
1,2-Dibromoethane	95	99	80-121	73-128	3	0-20	
1,2-Dichlorobenzene	97	98	80-120	73-127	0	0-20	
1,1-Dichloroethene	106	118	72-132	62-142	11	0-25	
Ethylbenzene	97	97	80-126	72-134	0	0-20	
Toluene	96	99	80-121	73-128	3	0-20	
Trichloroethene	95	97	80-123	73-130	2	0-20	
Vinyl Chloride	85	84	67-133	56-144	2	0-20	
Methyl-t-Butyl Ether (MTBE)	94	98	75-123	67-131	4	0-20	
Tert-Butyl Alcohol (TBA)	88	90	75-123	67-131	2	0-20	
Diisopropyl Ether (DIPE)	88	91	71-131	61-141	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	92	95	76-124	68-132	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	99	103	80-123	73-130	4	0-20	
Ethanol	121	124	61-139	48-152	2	0-27	
TPPH	103	103	65-135	53-147	0	0-30	

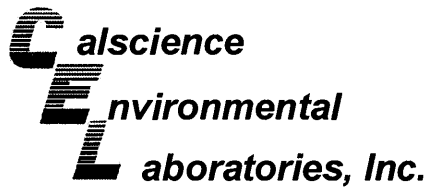
Total number of LCS compounds : 17

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: N/A
Work Order No: 10-02-0501
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 5755 Broadway, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-12-767-3,381	Aqueous	GC/MS RR	02/11/10	02/11/10	100211L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	99	97	80-122	73-129	2	0-20	
Carbon Tetrachloride	112	106	68-140	56-152	6	0-20	
Chlorobenzene	96	94	80-120	73-127	2	0-20	
1,2-Dibromoethane	94	95	80-121	73-128	2	0-20	
1,2-Dichlorobenzene	95	94	80-120	73-127	1	0-20	
1,1-Dichloroethene	101	94	72-132	62-142	7	0-25	
Ethylbenzene	97	94	80-126	72-134	3	0-20	
Toluene	101	98	80-121	73-128	3	0-20	
Trichloroethene	99	97	80-123	73-130	2	0-20	
Vinyl Chloride	93	90	67-133	56-144	4	0-20	
Methyl-t-Butyl Ether (MTBE)	100	100	75-123	67-131	1	0-20	
Tert-Butyl Alcohol (TBA)	79	89	75-123	67-131	12	0-20	
Diisopropyl Ether (DIPE)	94	92	71-131	61-141	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	96	97	76-124	68-132	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	101	103	80-123	73-130	2	0-20	
Ethanol	77	90	61-139	48-152	15	0-27	
TPPH	104	106	65-135	53-147	3	0-30	

Total number of LCS compounds : 17

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference, CL - Control Limit

Work Order Number: 10-02-0501

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis. Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

LAB (LOCATION)



Shell Oil Products Chain Of Custody Record

- CALSCEANCE ()
- SPL ()
- XENCO ()
- TEST AMERICA ()
- OTHER ()

Please Check Appropriate Box:

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

Print Bill To Contact Name: **Peter Schaefer 240483**

INCIDENT # (ENV SERVICES): **9 8 9 9 5 7 5 6**

DATE: **2/3/10**

PO #: _____ SAP #: _____

PAGE: **1** of **1**

SAMPLING COMPANY: **Blaine Tech Services**

LOG CODE: **BTSS**

ADDRESS: **1680 Rogers Ave, San Jose, CA 95112**

PROJECT CONTACT (Hardcopy or PDF Report to): **Michael Nlnokata Copy to Shell.Lab.Billing@crowworld.com**

TELEPHONE: **(408)573-0555** FAX: **(408)573-7771** E-MAIL: **mnlnokata@blainetech.com**

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

LA - RWQCB REPORT FORMAT UST AGENCY:

SITE ADDRESS: Street and City: **5755 Broadway, Oakland** State: **CA** GLOBAL ID NO: **T0600101270**

EDF DELIVERABLE TO (Name, Company, Office Location): **Anni Kreml, CRA, Emeryville** PHONE NO: **(510) 420-3335** E-MAIL: **Shelledf@crowworld.com** CONSULTANT PROJECT NO: **100203-F52**

SAMPLER NAME(S) (Print): **F. SRIWINGTONG & B. PANELL** LAB USE ONLY: **02-0501**

SPECIAL INSTRUCTIONS OR NOTES :

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

SPECIAL INSTRUCTIONS OR NOTES :										REQUESTED ANALYSIS													TEMPERATURE ON RECEIPT C°	
LAB USE ONLY	Field Sample Identification			MATRIX	PRESERVATIVE					NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTX (8260B)	5 OXYGENATES (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	Container PID Readings or Laboratory Notes
	DATE	TIME			HCL	HNO3	H2SO4	NONE	OTHER															
1	S-1	2-3-10	1440	W	X					3	X	X	X											
2	S-2	↓	1500	↓	X					↓	X	X	X	X										
3	S-3	↓	1430	↓	X					↓	X	X	X											
4	H-1	↓	1415	↓	X					↓	X	X	X											

Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i> (SAMPLE CUSTODIAN)	Date: 2-3-10	Time: 1650
Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i> CER	Date: 2/4/10	Time: 1045
Relinquished by: (Signature) <i>[Signature]</i> -CO 2-4-10 650 1730	Received by: (Signature) <i>[Signature]</i> CER	Date: 02/05/10	Time: 1000

8501

1012



< WebShip > > > > >
800-322-5555 www.gso.com

Ship From:
ALAN KEMP
CAL SCIENCE- CONCORD
5063 COMMERCIAL CIRCLE #H
CONCORD, CA 94520

Ship To:
SAMPLE RECEIVING
CEL
7440 LINCOLN WAY
GARDEN GROVE, CA 92841

COD:
\$0.00

Reference:
BTS

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 513514411

NPS

ORC

D

GARDEN GROVE

D92843A

79097684

Print Date : 02/04/10 15:40 PM

Package 3 of 5

Print All

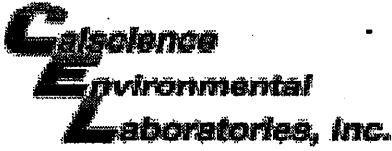
LABEL INSTRUCTIONS:

- Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
- STEP 1 - Use the "Send Label to Printer" button on this page to print the shipping label on a laser or inkjet printer.
- STEP 2 - Fold this page in half.
- STEP 3 - Securely attach this label to your package, do not cover the barcode.
- STEP 4 - Request an on-call pickup for your package, if you do not have scheduled daily pickup service or Drop-off your package at the nearest GSO drop box. Locate nearest GSO dropbox locations using this link.

ADDITIONAL OPTIONS:

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all the service terms and conditions described in this section. Our liability for loss or damage to any package is limited to your actual damages or \$100 whichever is less, unless you pay for and declare a higher authorized value. If you declare a higher value and pay the additional charge, our liability will be the lesser of your declared value or the actual value of your loss or damage. In any event, we will not be liable for any damage, whether direct, incidental, special or consequential, in excess of the declared value of a shipment whether or not we had knowledge that such damage might be incurred including but not limited to loss of income or profit. We will not be liable for your acts or omissions, including but not limited to improper or insufficient packaging, securing, marking or addressing. Also, we will not be liable if you or the recipient violates any of the terms of our agreement. We will not be liable for loss, damage or delay caused by events we cannot control, including but not limited to acts of God, perils of the air, weather conditions, act of public enemies, war, strikes, or civil commotion. The highest declared value for our GSO Priority Letter or GSO Priority Package is \$500. For other shipments the highest declared value is \$10,000 unless your package contains items of "extraordinary value", in which case the highest declared value we allow is \$500. Items of "extraordinary value" include, but are not limited to, artwork, jewelry, furs, precious metals, tickets, negotiable instruments and other items with intrinsic value.



WORK ORDER #: 10-02-0301

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Blaine Tech

DATE: 02/05/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0°C – 6.0°C, not frozen)

Temperature 3.1 °C + 0.5°C (CF) = 3.6 °C Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____).

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: Air Filter Metals Only PCBs Only Initial: AP

CUSTODY SEALS INTACT:

Cooler _____ No (Not Intact) Not Present N/A Initial: AP

Sample _____ No (Not Intact) Not Present Initial: AP

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

CONTAINER TYPE:

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (____) EnCores® TerraCores® _____

Water: VOA VOAh VOAna₂ 125AGB 125AGBh 125AGBp 1AGB 1AGBna₂ 1AGBs

500AGB 500AGJ 500AGJs 250AGB 250CGB 250CGBs 1PB 500PB 500PBna

250PB 250PBn 125PB 125PBz_{na} 100PJ 100PJna₂ _____ _____ _____

Air: Tedlar® Summa® Other: _____ Trip Blank Lot#: _____ Checked by: TM

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: WJC

Preservative: h: HCL n: HNO₃ na₂: Na₂S₂O₃ Na: NaOH p: H₃PO₄ s: H₂SO₄ z_{na}: ZnAc₂+NaOH f: Field-filtered Scanned by: WJC

WELL GAUGING DATA

Project # 100203-FS2 Date 2-3-10 Client SHELL

Site 5755 BROADWAY 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 TOC	Notes
S-1		3					0.62	11.22		
S-2		4					2.25	9.53		
S-3		4					1.89	9.55		
H-1		4					2.45	12.00		GAUGED w/ STINGI IN WEL

SHELL WELL MONITORING DATA SHEET

BTS #: 100203 - FS2	Site: 5755 BROADWAY OAKLAND
Sampler: FS BP	Date: 2-3-10
Well I.D.: S-1	Well Diameter: 2 (3) 4 6 8
Total Well Depth (TD): 11.22	Depth to Water (DTW): 0.62
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]: 2.74	

Purge Method: Bailer Disposable Bailer Positive Air Displacement <u>Electric Submersible</u>	Watterra Peristaltic Extraction Pump Other _____	Sampling Method: <u>Bailer</u> Disposable Bailer Extraction Port Dedicated Tubing Other: _____
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$4.0 \text{ (Gals.)} \times 3 = 12.0 \text{ Gals.}$ <p>I Case Volume Specified Volumes Calculated Volume</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1349	61.7	8.2	183	6	4.0	
— WELL		DEWATERED		7	GALLONS — 9.52	
1440	58.5	8.94	294.2	23	—	

Did well dewater? Yes No Gallons actually evacuated: 7

Sampling Date: 2-3-10 Sampling Time: 1440 Depth to Water: 1.25

Sample I.D.: S-1 Laboratory: CalScience Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other SEE C.P.C.

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

BTS #: 100203 - FS2	Site: 5755 BROADWAY OAKLAND
Sampler: FS BP	Date: 2-3-10
Well I.D.: S-2	Well Diameter: 2 3 (4) 6 8
Total Well Depth (TD): 9.53	Depth to Water (DTW): 2.25
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]: 3.70	

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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4.8 (Gals.) X	3 Specified Volumes	= 14.4 Gals. Calculated Volume
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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
1414	61.10	7.8	670	48	4.8	
—	WELL	DEWATERED	@	6	GALLONS	
1500	60.2	8.45	645	12	—	

Did well dewater? **(Yes)** No Gallons actually evacuated: **6**

Sampling Date: **2-3-10** Sampling Time: **1500** Depth to Water: **3.69**

Sample I.D.: **S-2** Laboratory: **(CalScience)** Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) **(Other)** **SEE C.O.C.**

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>100203-FS2</u>	Site: <u>5755 BROADWAY OAKLAND</u>
Sampler: <u>FS BP</u>	Date: <u>2-3-10</u>
Well I.D.: <u>S-3</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): <u>9.55</u>	Depth to Water (DTW): <u>1.89</u> <i>W: 7.66</i>
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>3.42</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

$\frac{5 \text{ (Gals.)} \times 3}{1 \text{ Case Volume Specified Volumes}} = \frac{15}{\text{Calculated Volume}} \text{ Gals.}$	<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														

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
<u>1340</u>	<u>59.9</u>	<u>7.15</u>	<u>558.4</u>	<u>6</u>	<u>5</u>	
<u>* Well dewatered @ 7 gallons</u>						<u>DTW: 9.85</u>
<u>1430</u>	<u>59.6</u>	<u>7.94</u>	<u>811.9</u>	<u>56</u>	—	

Did well dewater? (Yes) No Gallons actually evacuated: 7

Sampling Date: 2-3-10 Sampling Time: 1430 Depth to Water: 3.29

Sample I.D.: S-3 Laboratory: (CalScience) Columbia 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
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O.R.P. (if req'd):	Pre-purge:		mV	Post-purge:		mV
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SHELL WELL MONITORING DATA SHEET

BTS #: <u>100203 - FS2</u>	Site: <u>5755 BROADWAY OAKLAND</u>
Sampler: <u>FS BP</u>	Date: <u>2-3-10</u>
Well I.D.: <u>H-1</u>	Well Diameter: 2 3 <u>(4)</u> 6 8
Total Well Depth (TD): <u>12.00</u>	Depth to Water (DTW): <u>2.45</u> <i>wx 9.55</i>
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>4.36</u>	

Purge Method: Bailer Disposable Bailer Positive Air Displacement Electric Submersible

Waterra Peristaltic Extraction Pump Other _____

Sampling Method: (Bailer) Disposable Bailer Extraction Port Dedicated Tubing Other: _____

6.2 (Gals.) X 3 = 18.6 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 μ S)	Turbidity (NTUs)	Gals. Removed	Observations
11:03 <u>2:03 BP</u>	<u>61.2</u>	<u>8.50</u>	<u>473.1</u>	<u>18</u>	<u>6.2</u>	
14:04 <u>2:04 BP</u>	<u>61.5</u>	<u>8.19</u>	<u>478.1</u>	<u>8</u>	<u>12.4</u>	
14:05 <u>2:05 BP</u>	<u>61.7</u>	<u>8.07</u>	<u>477.3</u>	<u>5</u>	<u>18.6</u>	

Did well dewater? Yes (No) Gallons actually evacuated: 18.6

Sampling Date: 2-3-10 Sampling Time: 14:15 Depth to Water: 3.17

Sample I.D.: H-1 Laboratory: (CalScience) Columbia Other _____

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

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:	mV

SHELL SITE INSPECTION CHECKLIST

Client Shell Date 1/19/10
 Site Address 5755 Broadway Oakland
 Job Number 100119-BWZ Technician BW
 Site Status Shell Branded Station Vacant Lot Other _____

- Inspected / Labeled / Cleaned - all wells on Scope Of Work
- Inspected / Cleaned Components - all other identifiable wells N/A
- Inspected site for site investigation & site remediation related trip hazards
- Completed all outstanding *BLAINE Wellhead Repair Order(s)* N/A
- Completed *Shell Wellhead Repair Form(s)* N/A
- Inspected treatment / remediation system compound for security, cleanliness and appearance N/A
- Inspected vacant lot for signs of habitation, hazardous materials or terrain, overgrown vegetation and security N/A
- Visually inspected site drums for condition and proper labeling N/A
- Unresolved deficiencies identified - "*Notice of Deficient Condition*" form(s) completed N/A

Notes

PROJECT MANAGER ONLY

Checklist Reviewed msd 1/20 Notes
Initial/Date

SHELL WELLHEAD REPAIR FORM

(FOR REPAIR TECHNICIAN)

Site Address 5755 Broadway Oakland Date 1/19/10
 Job Number 100119-BW2 Technician BW Page 1 of 1

Inspection Point (Well ID or description of location)	Well Inspected, Cleaned, Labeled - No Further Corrective Action Required	Replaced Cap	Replaced Lock	Replaced Lid Seal	Check Indicates deficiency										All Repairs Completed	Remaining Deficiencies Logged onto BLAINE Repair Order	Remaining Deficiencies Logged onto Notice of Deficient Condition - BLAINE Unable to Repair		
					Casing	Annular Seal	Tabs / Bolts	Box Structure	Apron	Trip Hazard	Below Grade	Not Securable by Design (12" diameter or less)	Lid not marked with words "MONITORING WELL"	Other Deficiency				Not Securable by Design (greater than 12" diameter)	Well Not Inspected (explain in notes)
S-1							X										X		
	Notes: Retapped 3/2 Tabs																		
	Well box type / size: 12" Emco Materials used: 2 bolts																		
S-2			X			X	X	X									BR	X	
	Notes: Retapped 3/2 Tabs																		
	Well box type / size: 12" Emco Materials used: 2 bolts																		
S-3			X			X											X		
	Notes: Retapped 3/2 Tabs																		
	Well box type / size: 12" Emco Materials used: 2 bolts																		
H-1						X											X		
	Notes: Retapped 3/2 Tabs - No Tag																		
	Well box type / size: Rectangle Vault Materials used: 2 bolts, 2 washers																		
	Notes:																		
	Well box type / size:																		
	Materials used:																		
	Notes:																		
	Well box type / size:																		
	Materials used:																		
	Notes:																		
	Well box type / size:																		
	Materials used:																		

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 5755 BROADWAY OAKLAND Date 2-3-10
 Job Number 100203-FS2 Technician F.S. Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Well Box Meets Compliance Requirements *See Below	Water Bailed From Wellbox	Cap Replaced	Lock Replaced	Well Not Inspected (explain in notes)	New Deficiency Identified	Previously Identified Deficiency Persists	Notes
S-1	X	X							
S-2	X	X							
S-3	X	X							
H-1	X	X							

*Well box must meet all three criteria to be compliant: 1) WELL IS SECURABLE BY DESIGN (12" or less) 2) WELL IS MARKED WITH THE WORDS "MONITORING WELL" (12" or less) 3) WELL TAG IS PRESENT, SECURE, AND CORRECT

Notes: _____