CONESTOGA-ROVERS & ASSOCIATES

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

TRANSMITTAL

DATE: August 7, 2009

REFERENCE NO.: 240483

PROJECT NAME: 5755 Broadway, Oakland

TO: Jerry Wickham
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

RECEIVED
11:05 am, Aug 13, 2009
Alameda County
Environmental Health

Please find enclosed:
- ☐ Draft
- ☐ Originals
- ☐ Prints
- ☒ Final
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- ☐ Mail
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- ☐ Same Day Courier
- ☒ Other GeoTracker and Alameda County FTP

QUANTITY	DESCRIPTION
1	Groundwater Monitoring Report – Second Quarter 2009

- ☐ As Requested
- ☐ For Your Use
- ☒ For Review and Comment
- ☐
- ☐

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: Peter Schaefer

Filing: **Correspondence File**

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

Jerry Wickham
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Shell-branded Service Station
5755 Broadway
Oakland, California
SAP Code 135699
Incident No. 98995756
ACHCSA 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,

Denis L. Brown
Project Manager

GROUNDWATER MONITORING REPORT – SECOND QUARTER 2009

SHELL-BRANDED SERVICE STATION
5755 BROADWAY
OAKLAND, CALIFORNIA

SAP CODE	**135699**
INCIDENT NO.	**98995756**
AGENCY NO.	**RO0000026**

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

AUGUST 7, 2009
REF. NO. 240483 (4)
This report is printed on recycled paper.

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(Following Text)

LIST OF APPENDICES

1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) in accordance with the quarterly reporting requirements of 23 CCR 2652d.

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	ACHCSA, 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	Southerly
Hydraulic Gradient	Averages 0.06
Depth to Water	0.81 to 2.76 feet below top of well casing

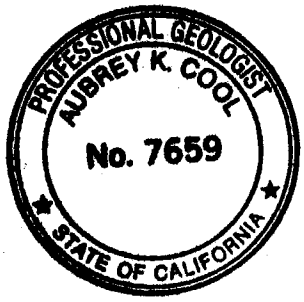
2.3 PROPOSED ACTIVITIES FOR NEXT QUARTER

Blaine will gauge and sample wells according to the revised monitoring program detailed below. Per Alameda County Health Care Services Agency's July 24, 2009 letter and State Water Resources Control Board Resolution 2009-0042 adopted May 19, 2009, we will implement a semiannual monitoring and reporting schedule at the site, with sampling activities conducted during the first and third quarters.

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

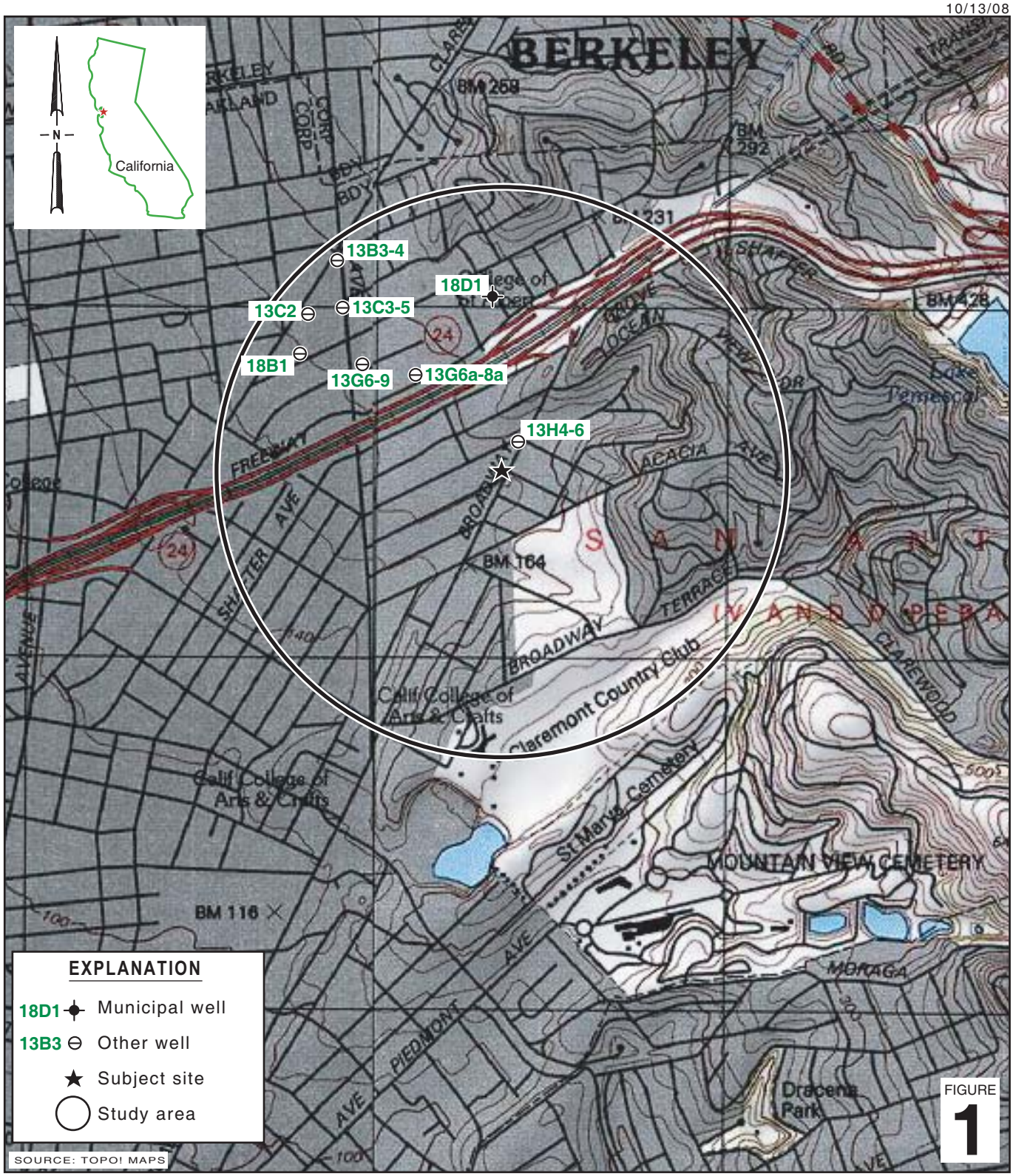
Peter Schaefer, CHG, CEG

Aubrey K. Cool, PG



FIGURES

10/13/08



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SCALE : 1" = 1/4 MILE

Shell-branded Service Station
5755 Broadway
Oakland, California

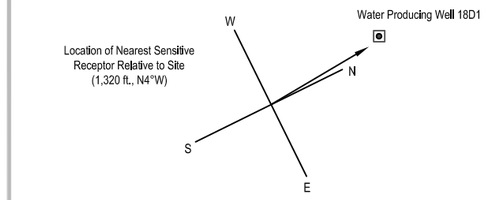
CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

08/05/09

Groundwater Contour and Chemical Concentration Map

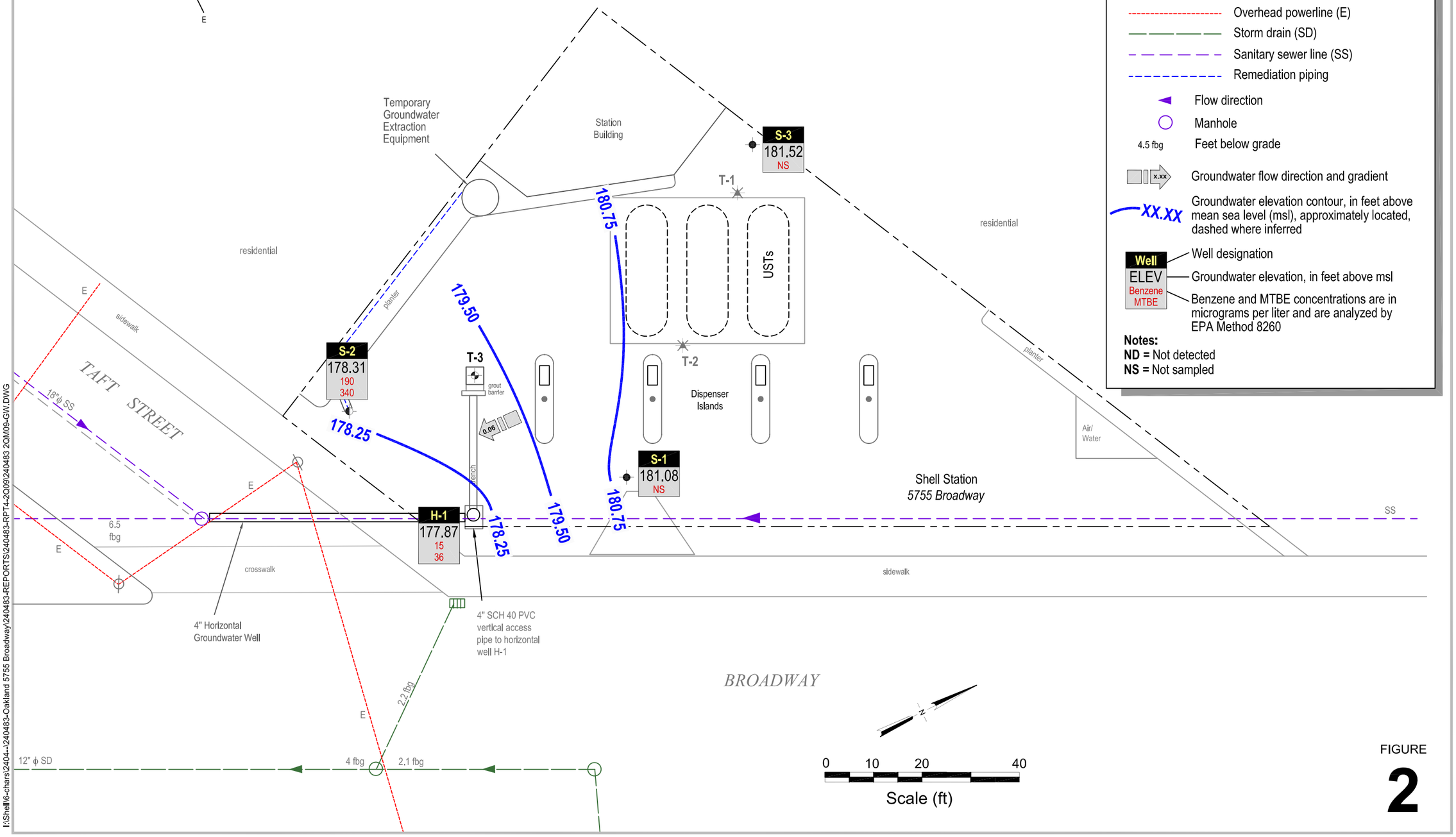
May 5, 2009



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
- Overhead powerline (E)
- Storm drain (SD)
- Sanitary sewer line (SS)
- Remediation piping
- Flow direction
- Manhole
- 4.5 fbg — Feet below grade
- Groundwater flow direction and gradient
- xx.xx — Groundwater elevation contour, in feet above mean sea level (msl), approximately located, dashed where inferred
- Well / ELEV / Benzene / MTBE — Well designation; Groundwater elevation, in feet above msl; Benzene and MTBE concentrations are in micrograms per liter and are analyzed by EPA Method 8260

Notes:
ND = Not detected
NS = Not sampled



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Shell-branded Service Station

5755 Broadway
Oakland, California

FIGURE

2

CONESTOGA-ROVERS & ASSOCIATES

APPENDIX A

BLAINE TECH SERVICES, INC. –
GROUNDWATER MONITORING REPORT

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

May 22, 2009

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

Second Quarter 2009 Groundwater Monitoring at
Shell-branded Service Station
5755 Broadway
Oakland, CA

Monitoring performed on May 5, 2009

Groundwater Monitoring Report **090505-RM-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. Purgewater (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/tm

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	1/25/1991	<30	<0.3	<0.3	<0.3	<0.3	NA	NA	NA	NA	NA	NA	100.00	3.88	96.12	NA
S-1	6/3/1991	<30	<0.3	<0.3	<0.3	<0.3	NA	NA	NA	NA	NA	NA	100.00	3.51	96.49	NA
S-1	8/30/1991	<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	3/13/1992	<30	<0.52	<0.3	<0.3	<0.3	NA	NA	NA	NA	NA	NA	100.00	2.87	97.13	NA
S-1	5/28/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	100.00	3.79	96.21	NA
S-1	8/19/1992	<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	2/10/1993	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)	2/10/1993	<50	1.2	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	100.00	4.20	95.80	NA
S-1	6/11/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	100.00	3.39	96.61	NA
S-1	8/3/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	100.00	3.69	96.31	NA
S-1	11/2/1993	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	2/1/1994	60a	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	100.00	3.38	96.62	NA
S-1	5/4/1994	<50	1.1	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	100.00	3.00	97.00	NA
S-1	8/18/1994	<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)	8/18/1994	60a	0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	100.00	3.70	96.30	NA
S-1	11/9/1994	<50	4	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	100.00	2.52	97.48	NA
S-1	2/22/1995	50	0.8	0.7	<0.5	1.3	NA	NA	NA	NA	NA	NA	100.00	4.08	95.92	NA
S-1	5/2/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	100.00	2.58	97.42	NA
S-1	8/30/1995	<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	2/2/1996	<50	11	<0.5	0.9	<0.5	NA	NA	NA	NA	NA	NA	100.00	2.00	98.00	NA
S-1	3/9/1996	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	100.00	3.38	99.62	NA
S-1	8/22/1996	<50	1.5	<0.5	<0.5	<0.5	130	NA	NA	NA	NA	NA	100.00	3.43	96.57	NA
S-1	11/7/1996	<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	2/20/1997	<50	0.64	<0.50	<0.50	1.6	6.5	NA	NA	NA	NA	NA	100.00	3.60	96.40	2

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	5/30/1997	<50	<0.50	<0.50	<0.50	<0.50	46	NA	NA	NA	NA	NA	100.00	3.47	96.53	7
S-1 (D)	5/30/1997	<50	<0.50	<0.50	<0.50	<0.50	47	NA	NA	NA	NA	NA	100.00	3.47	96.53	7
S-1	8/21/1997	<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	11/3/1997	<50	<0.50	1.1	<0.50	1.3	190	NA	NA	NA	NA	NA	100.00	3.66	96.34	2
S-1	1/20/1998	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)	1/20/1998	130	9.2	6.9	5.2	15	93	NA	NA	NA	NA	NA	100.00	1.84	98.16	4.6
S-1	2/16/1999	<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	9/7/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100.00	2.84	97.16	NA
S-1	2/2/2000	<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	4/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100.00	2.91	97.09	NA
S-1	7/25/2000	<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	2/12/2001	<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	6/7/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100.00	1.27	98.73	NA
S-1	8/31/2001	<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	12/5/2001	NA	NA	NA	NA	NA	NA	2.6	NA	NA	NA	NA	100.00	1.90	98.10	NA
S-1	1/31/2002	<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	6/4/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100.00	1.87	98.13	NA
S-1	7/25/2002	<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	11/7/2002	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	1/30/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	27	NA	NA	NA	NA	181.89	2.12	179.77	NA
S-1	6/3/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	181.89	1.83	180.06	NA
S-1	8/27/2003	<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	2/5/2004	270	2.4	6.4	5.8	19	NA	8.3	NA	NA	NA	NA	181.89	2.09	179.80	NA
S-1	4/21/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	181.89	2.61	179.28	NA
S-1	8/12/2004	<500	<5.0	<5.0	<5.0	<10	NA	1,100	<20	<20	<20	<50	181.89	3.70	178.19	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	11/8/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	181.89	3.04	178.85	NA
S-1	5/16/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	4.9	NA	NA	NA	NA	181.89	3.10	178.79	NA
S-1	8/16/2005	<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	11/3/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	181.89	3.49	178.40	NA
S-1	2/16/2006	<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	5/5/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	181.89	0.71	181.18	NA
S-1	8/21/2006	<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	1/30/2007	<50	<0.50	<0.50	<0.50	<1.0	NA	24	NA	NA	NA	NA	181.89	0.91	180.98	NA
S-1	5/23/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	181.89	2.50	179.39	NA
S-1	8/9/2007	<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	2/13/2008	<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	5/20/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	181.89	1.00	180.89	NA
S-1	8/4/2008	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	12/2/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	181.89	0.89	181.00	NA
S-1	1/23/2009	<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	**5/5/2009**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**181.89**	**0.81**	**181.08**	**NA**
S-2	1/25/1991	450	140	1.8	6.2	15	NA	NA	NA	NA	NA	NA	98.92	4.52	94.40	NA
S-2	6/3/1991	490	150	2.7	8.2	7	NA	NA	NA	NA	NA	NA	98.92	4.02	94.90	NA
S-2	8/30/1991	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	3/13/1992	1,300	210	5.7	34	79	NA	NA	NA	NA	NA	NA	98.92	3.47	95.45	NA
S-2	5/28/1992	100	28	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	98.92	4.45	94.45	NA
S-2	8/19/1992	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	2/10/1993	19,000	710	760	80	370	NA	NA	NA	NA	NA	NA	98.92	4.83	94.09	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-2	6/11/1993	33,000	3,100	1,600	370	1,100	NA	NA	NA	NA	NA	NA	98.92	3.74	95.18	NA
S-2	8/3/1993	18,000	1,400	130	81	130	NA	NA	NA	NA	NA	NA	98.92	4.23	94.69	NA
S-2 (D)	8/3/1993	19,000	1,400	140	86	150	NA	NA	NA	NA	NA	NA	98.92	4.23	94.69	NA
S-2	11/2/1993	12,000 a	470	47	31	92	NA	NA	NA	NA	NA	NA	98.92	4.72	94.20	NA
S-2 (D)	11/2/1993	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	2/1/1994	31,000 a	430	46	50	130	NA	NA	NA	NA	NA	NA	98.92	3.48	95.44	NA
S-2 (D)	2/1/1994	31,000 a	300	33	30	100	NA	NA	NA	NA	NA	NA	98.92	3.48	95.44	NA
S-2	5/4/1994	3,900	1,200	31	53	71	NA	NA	NA	NA	NA	NA	98.92	3.26	95.66	NA
S-2 (D)	5/4/1994	4,500	1,200	37	57	110	NA	NA	NA	NA	NA	NA	98.92	3.26	95.66	NA
S-2	8/18/1994	24,000	600	8.3	15	27	NA	NA	NA	NA	NA	NA	98.92	3.98	94.94	NA
S-2	11/9/1994	1,400 a	240	9.3	13	20	NA	NA	NA	NA	NA	NA	98.92	3.10	95.82	NA
S-2 (D)	11/9/1994	1,800	260	8.5	13	21	NA	NA	NA	NA	NA	NA	98.92	3.10	95.82	NA
S-2	2/22/1995	29,000	550	18	12	63	NA	NA	NA	NA	NA	NA	98.92	4.02	94.90	NA
S-2 (D)	2/22/1995	28,000	530	17	10	60	NA	NA	NA	NA	NA	NA	98.92	4.02	94.90	NA
S-2	5/2/1995	4,400	1,000	25	38	77	NA	NA	NA	NA	NA	NA	98.92	2.86	96.06	NA
S-2 (D)	5/2/1995	4,400	1,000	26	41	83	NA	NA	NA	NA	NA	NA	98.92	2.86	96.06	NA
S-2	8/30/1995	800	350	20	6.7	16	NA	NA	NA	NA	NA	NA	98.92	4.06	94.86	NA
S-2 (D)	8/30/1995	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	2/2/1996	18,000	540	18	12	22	NA	NA	NA	NA	NA	NA	98.92	1.99	96.93	NA
S-2 (D)	2/2/1996	11,000	600	18	13	28	NA	NA	NA	NA	NA	NA	98.92	1.99	96.93	NA
S-2	3/9/1996	3,800	1,500	27	30	58	NA	NA	NA	NA	NA	NA	98.92	3.27	95.65	NA
S-2 (D)	3/9/1996	3,500	1,300	24	21	53	NA	NA	NA	NA	NA	NA	98.92	3.27	95.65	NA
S-2	8/22/1996	<20,000	490	<200	<200	<200	43,000	NA	NA	NA	NA	NA	98.92	3.85	95.07	NA
S-2 (D)	8/22/1996	<20,000	570	<200	<200	<200	59,000	51,000	NA	NA	NA	NA	98.92	3.85	95.07	NA
S-2	11/7/1996	<5,000	290	<50	<50	<50	32,000	NA	NA	NA	NA	NA	98.92	4.00	94.92	3.51

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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-2 (D)	11/7/1996	<5,000	290	<50	<50	<50	32,000	NA	NA	NA	NA	NA	98.92	4.00	94.92	3.51
S-2	2/20/1997	<10,000	520	<100	<100	<100	28,000	NA	NA	NA	NA	NA	98.92	3.20	95.72	1
S-2 (D)	2/20/1997	<10,000	520	<100	<100	<100	35,000	NA	NA	NA	NA	NA	98.92	3.20	95.72	1
S-2	5/30/1997	150	15	11	3.5	15	11	NA	NA	NA	NA	NA	98.92	3.87	95.05	6
S-2	8/21/1997	1,600	220	<10	20	<10	18,000	NA	NA	NA	NA	NA	98.92	3.29	95.63	3.3
S-2 (D)	8/21/1997	1,500	180	<10	16	<10	21,000	NA	NA	NA	NA	NA	98.92	3.29	95.63	3.3
S-2	11/3/1997	1,000	94	<10	<10	<10	<50	NA	NA	NA	NA	NA	98.92	4.02	94.90	1.8
S-2	1/20/1998	590	110	8.3	18	23	7,800	NA	NA	NA	NA	NA	98.92	1.54	97.38	3.2
S-2	7/23/1998	2,600	840	<10	44	22	15,000	NA	NA	NA	NA	NA	98.92	2.89	96.03	NA
S-2	2/16/1999	680	140	6.1	10	18	19,000	NA	NA	NA	NA	NA	98.92	1.86	97.06	2.0
S-2	9/7/1999	<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	2/2/2000	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	4/26/2000	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	7/25/2000	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	2/12/2001	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	6/7/2001	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	8/31/2001	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	12/5/2001	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	1/31/2002	37,000	860	<25	1,100	4,000	NA	14,000	NA	NA	NA	NA	98.92	2.13	96.79	NA
S-2	6/4/2002	150,000	800	<20	1,200	4,000	NA	9,200	NA	NA	NA	NA	98.92	2.24	96.68	NA
S-2	7/25/2002	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	1/2/2003	NA	710	<25	560	2,074	NA	NA	NA	NA	NA	NA	180.79	2.15	178.64	NA
S-2	1/30/2003	21,000	670	<20	360	1,200	NA	9,300	NA	NA	NA	NA	180.79	2.09	178.70	NA
S-2	6/3/2003	42,000	800	<50	660	1,500	NA	9,600	NA	NA	NA	NA	180.79	3.08	177.71	NA
S-2	8/27/2003	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

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S-2	2/5/2004	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	4/21/2004	4,700	100	<25	<25	<50	NA	2,900	NA	NA	NA	NA	180.79	7.38	173.41	NA
S-2	8/12/2004	2,600	63	<13	<13	<25	NA	1,400	<50	<50	<50	1,200	180.79	e	NA	NA
S-2	11/8/2004	3,600	<25	<25	<25	<50	NA	1,300	NA	NA	NA	NA	180.79	f	NA	NA
S-2	5/16/2005	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	8/16/2005	10,000	370	<13	60	63	NA	1,300	<50	<50	<50	2,900	180.79	4.03	176.76	NA
S-2	11/3/2005	1,010	31.4	<0.500	2.81	31.4	NA	349	NA	NA	NA	880	180.79	NA	NA	NA
S-2	2/16/2006	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	5/5/2006	5,240	148	<0.500	17.1	48.8	NA	815	NA	NA	NA	478	180.79	NA	NA	NA
S-2	8/21/2006	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	1/30/2007	3,300	250	<5.0	59	17	NA	1,100	NA	NA	NA	1,600	180.79	2.32	178.47	NA
S-2	5/23/2007	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	8/9/2007	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	2/13/2008	4,800 h	560	<10	67	37	NA	1,500	NA	NA	NA	610	180.79	1.83	178.96	NA
S-2	5/20/2008	5,400	340	<10	11	17	NA	460	NA	NA	NA	310	180.79	2.90	177.89	NA
S-2	8/4/2008	4,800	240	<10	<10	<10	NA	390	<20	<20	<20	640	180.79	3.95	176.84	NA
S-2	12/2/2008	3,700	120	<5.0	<5.0	<5.0	NA	280	NA	NA	NA	810	180.79	4.13	176.66	NA
S-2	1/23/2009	3,500	210	<10	26	<10	NA	640	NA	NA	NA	650	180.79	2.85	177.94	NA
S-2	**5/5/2009**	**3,200**	**190**	**<5.0**	**7.6**	**5.5**	**NA**	**340**	**NA**	**NA**	**NA**	**350**	**180.79**	**2.48**	**178.31**	**NA**
S-3	1/25/1991	<30	<0.3	<0.3	<0.3	<0.3	NA	NA	NA	NA	NA	NA	101.67	3.84	97.83	NA
S-3	6/3/1991	<30	<0.3	0.3	0.3	0.3	NA	NA	NA	NA	NA	NA	101.67	3.25	98.42	NA
S-3	8/3/1991	<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	3/13/1992	<30	<0.3	0.3	0.3	0.3	NA	NA	NA	NA	NA	NA	101.67	2.29	99.38	NA

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S-3	5/28/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	101.67	3.62	98.05	NA
S-3	8/19/1992	<50	<0.5	<0.5	<0.5	0.5	NA	NA	NA	NA	NA	NA	101.67	4.66	97.01	NA
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	2/10/1993	30	1.9	3.2	2.4	5.6	NA	NA	NA	NA	NA	NA	101.67	4.36	97.31	NA
S-3	6/11/1993	<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)	6/11/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	101.67	2.91	98.76	NA
S-3	8/3/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	101.67	3.70	97.97	NA
S-3	11/2/1993	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	2/1/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	101.67	2.90	98.77	NA
S-3	5/4/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	101.67	2.54	99.13	NA
S-3	8/18/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	101.67	3.51	98.16	NA
S-3	11/9/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	101.67	2.44	99.23	NA
S-3	2/22/1995	80	<0.5	0.5	<0.5	0.5	NA	NA	NA	NA	NA	NA	101.67	4.12	97.55	NA
S-3	5/2/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	101.67	2.83	98.84	NA
S-3	8/30/1995	<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	2/2/1996	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	101.67	2.24	99.43	NA
S-3	3/9/1996	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	101.67	3.05	98.62	NA
S-3	8/22/1996	<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	11/7/1996	<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	2/20/1997	<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	5/30/1997	140	14	10	3.3	14	8.6	NA	NA	NA	NA	NA	101.67	3.00	98.67	8
S-3	8/21/1997	<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	11/3/1997	<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)	11/3/1997	<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	1/20/1998	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	101.67	NA	NA	NA
S-3	7/23/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	101.67	2.69	98.98	NA

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S-3	2/16/1999	<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	9/7/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	101.67	2.81	98.86	NA
S-3	2/2/2000	<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
S-3	4/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	101.67	2.96	98.71	NA
S-3	7/25/2000	<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	2/12/2001	<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	6/7/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	101.67	2.78	98.89	NA
S-3	8/31/2001	<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	12/5/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	101.67	2.05	99.62	NA
S-3	1/31/2002	<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	6/4/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	101.67	2.56	99.11	NA
S-3	7/25/2002	<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	1/30/2003	<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	1/30/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	183.54	2.65	180.89	NA
S-3	8/27/2003	<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	2/5/2004	<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	4/21/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	183.54	2.50	181.04	NA
S-3	8/12/2004	<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	11/8/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	183.54	2.84	180.70	NA
S-3	5/16/2005	<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	8/16/2005	<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	11/3/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	183.54	4.09	179.45	NA
S-3	2/16/2006	<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	5/5/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	183.54	2.27	181.27	NA
S-3	8/21/2006	<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

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-3	11/13/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	183.54	3.42	180.12	NA
S-3	1/30/2007	<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	5/23/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	183.54	2.65	180.89	NA
S-3	8/9/2007	<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
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	2/13/2008	<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	5/20/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	183.54	2.75	180.79	NA
S-3	8/4/2008	<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	12/2/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	183.54	3.68	179.86	NA
S-3	1/23/2009	<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	**5/5/2009**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**183.54**	**2.02**	**181.52**	**NA**

H-1	12/5/2001	150	<0.50	8.3	1.6	16	NA	52	NA	NA	NA	NA	NA	1.43	NA	NA
H-1	1/31/2002	3,200	12	<0.50	5.7	3.7	NA	650	NA	NA	NA	NA	NA	2.34	NA	NA
H-1	6/4/2002	280,000	<10	150	62	9,500	NA	<100	NA	NA	NA	NA	NA	2.56	NA	NA
H-1	7/25/2002	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	1/2/2003	NA	1.1	<0.50	<0.50	3.6	NA	NA	NA	NA	NA	NA	180.63	1.45	179.18	NA
H-1	1/30/2003	630	0.99	2.0	1.6	12	NA	21	NA	NA	NA	NA	180.63	2.10	178.53	NA
H-1	6/3/2003	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	8/27/2003	<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	2/5/2004	380	41	1.2	5.1	8.0	NA	21	NA	NA	NA	NA	180.63	1.69	178.94	NA
H-1	4/21/2004	640	27	0.63	2.0	2.3	NA	33	NA	NA	NA	NA	180.63	2.14	178.49	NA
H-1	8/12/2004	340	18	0.75	<0.50	1.7	NA	43	NA	NA	NA	NA	180.63	4.78	175.85	NA
H-1	11/8/2004	1,500	29	<1.0	1.7	<2.0	NA	57	NA	NA	NA	NA	180.63	4.17	176.46	NA
H-1	5/16/2005	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	8/16/2005	100 g	<0.50	<0.50	<0.50	<1.0	NA	57	NA	NA	NA	NA	180.63	4.66	175.97	NA

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	11/3/2005	<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	2/16/2006	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	5/5/2006	368	<0.500	<0.500	2.56	<0.500	NA	22.2	NA	NA	NA	NA	180.63	2.21	178.42	NA
H-1	8/21/2006	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	1/30/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	180.63	3.04	177.59	NA
H-1	5/23/2007	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	8/9/2007	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	2/13/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	180.63	1.78	178.85	NA
H-1	5/20/2008	230	19	<1.0	2.8	2.2	NA	23	NA	NA	NA	NA	180.63	3.60	177.03	NA
H-1	8/4/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	180.63	3.27	177.36	NA
H-1	12/2/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	180.63	4.33	176.30	NA
H-1	1/23/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	180.63	2.03	178.60	NA
H-1	**5/5/2009**	**290**	**15**	**<1.0**	**7.1**	**4.2**	**NA**	**36**	**NA**	**NA**	**NA**	**NA**	**180.63**	**2.76**	**177.87**	**NA**
T-1	5/30/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.65	NA	NA
T-1	8/21/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.69	NA	NA
T-1	11/3/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.09	NA	NA
T-1	1/20/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.61	NA	NA
T-1	7/23/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.32	NA	NA
T-1	2/16/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.95	NA	NA
T-1	9/7/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.48	NA	NA
T-1	2/2/2000	<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	4/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.56	NA	NA
T-1	7/25/2000	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	2/12/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.20	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	6/7/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.36	NA	NA
T-1	8/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.45	NA	NA
T-1	01/09/2002 c	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	183.08	NA	NA	NA
T-2	5/30/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.81	NA	NA
T-2	8/21/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.89	NA	NA
T-2	11/3/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.25	NA	NA
T-2	1/20/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.55	NA	NA
T-2	7/23/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.21	NA	NA
T-2	2/16/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.08	NA	NA
T-2	9/7/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.72	NA	NA
T-2	2/2/2000	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	4/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.02	NA	NA
T-2	7/25/2000	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	2/12/2001	310	7.48	7.76	0.693	2.28	301	NA	NA	NA	NA	NA	NA	1.45	NA	1.6
T-2	6/7/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.57	NA	NA
T-2	8/31/2001	720	30	0.67	<0.50	2.3	NA	540	NA	NA	NA	NA	NA	2.69	NA	0.8
T-2	12/5/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.58	NA	NA
T-2	1/31/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.32	NA	NA
T-2	2/4/2002	1,000	41	30	4.6	20	NA	1,200	NA	NA	NA	NA	NA	1.46	NA	NA
T-2	6/4/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.50	NA	NA
T-2	7/25/2002	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	1/30/2003	560	11	<0.50	<0.50	0.53	NA	160	NA	NA	NA	NA	182.30	1.01	181.29	NA
T-2	6/3/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	182.30	1.55	180.75	NA
T-2	8/27/2003	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

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-2	2/5/2004	940	110	10	2.4	14	NA	67	NA	NA	NA	NA	182.30	0.66	181.64	NA
T-2	4/21/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	182.30	1.50	180.80	NA
T-2	8/12/2004	450	<0.50	<0.50	<0.50	<1.0	NA	33	NA	NA	NA	NA	182.30	2.72	179.58	NA
T-2	11/8/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	182.30	1.72	180.58	NA
T-3	5/30/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.31	NA	NA
T-3	8/21/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.57	NA	NA
T-3	11/3/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.50	NA	NA
T-3	1/20/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.76	NA	NA
T-3	7/23/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.82	NA	NA
T-3	2/16/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.55	NA	NA
T-3	9/7/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.89	NA	NA
T-3	2/2/2000	<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	4/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.81	NA	NA
T-3	7/25/2000	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	2/12/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.11	NA	NA
T-3	6/7/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.68	NA	NA
T-3	8/31/2001	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)

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)

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.

Calscience Environmental Laboratories, Inc.

May 20, 2009

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

Subject: **Calscience Work Order No.: 09-05-0541**
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 5/7/2009 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,

Philip Hamelle for

Calscience Environmental
Laboratories, Inc.
Jessie Lee
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	05/07/09
1680 Rogers Avenue		Work Order No:	09-05-0541
San Jose, CA 95112-1105		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
H-1	**09-05-0541-2-A**	**05/05/09 12:30**	**Aqueous**	**GC/MS U**	**05/17/09**	**05/18/09 08:43**	**090517L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	15	0.50	1		Xylenes (total)	4.2	1.0	1	
Ethylbenzene	7.1	1.0	1		Methyl-t-Butyl Ether (MTBE)	36	1.0	1	
Toluene	ND	1.0	1		TPPH	290	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	102	74-140			1,2-Dichloroethane-d4	111	74-146		
Toluene-d8	99	88-112			Toluene-d8-TPPH	100	88-112		
1,4-Bromofluorobenzene	89	74-110							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-767-1,777**	**N/A**	**Aqueous**	**GC/MS U**	**05/17/09**	**05/18/09 03:33**	**090517L02**

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	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	101	74-140			1,2-Dichloroethane-d4	105	74-146		
Toluene-d8	98	88-112			Toluene-d8-TPPH	99	88-112		
1,4-Bromofluorobenzene	89	74-110							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	05/07/09
1680 Rogers Avenue		Work Order No:	09-05-0541
San Jose, CA 95112-1105		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	**09-05-0541-1-C**	**05/05/09 13:10**	**Aqueous**	**GC/MS U**	**05/18/09**	**05/18/09 18:02**	**090518L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	190	2.5	5		Methyl-t-Butyl Ether (MTBE)	340	5.0	5	
Ethylbenzene	7.6	5.0	5		Tert-Butyl Alcohol (TBA)	350	50	5	
Toluene	ND	5.0	5		TPPH	3200	250	5	
Xylenes (total)	5.5	5.0	5						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	98	74-140		1,2-Dichloroethane-d4	105	74-146	
Toluene-d8	99	88-112		Toluene-d8-TPPH	100	88-112	
1,4-Bromofluorobenzene	89	74-110					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-767-1,780**	**N/A**	**Aqueous**	**GC/MS U**	**05/18/09**	**05/18/09 15:25**	**090518L01**

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	96	74-140		1,2-Dichloroethane-d4	103	74-146	
Toluene-d8	97	88-112		Toluene-d8-TPPH	98	88-112	
1,4-Bromofluorobenzene	89	74-110					

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 05/07/09
Work Order No: 09-05-0541
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
09-05-0473-1	**Aqueous**	**GC/MS U**	**05/17/09**	**05/18/09**	**090517S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	97	88-118	1	0-7	
Carbon Tetrachloride	92	95	67-145	4	0-11	
Chlorobenzene	94	94	88-118	1	0-7	
1,2-Dibromoethane	99	100	70-130	1	0-30	
1,2-Dichlorobenzene	91	90	86-116	0	0-8	
1,1-Dichloroethene	94	96	70-130	2	0-25	
Ethylbenzene	96	95	70-130	1	0-30	
Toluene	95	96	87-123	1	0-8	
Trichloroethene	95	96	79-127	1	0-10	
Vinyl Chloride	95	94	69-129	0	0-13	
Methyl-t-Butyl Ether (MTBE)	96	97	71-131	0	0-13	
Tert-Butyl Alcohol (TBA)	100	99	36-168	1	0-45	
Diisopropyl Ether (DIPE)	93	93	81-123	0	0-9	
Ethyl-t-Butyl Ether (ETBE)	91	89	72-126	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	96	97	72-126	1	0-12	
Ethanol	92	92	53-149	1	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 05/07/09
Work Order No: 09-05-0541
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
09-05-0473-3	**Aqueous**	**GC/MS U**	**05/18/09**	**05/18/09**	**090518S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	95	88-118	1	0-7	
Carbon Tetrachloride	89	91	67-145	2	0-11	
Chlorobenzene	95	94	88-118	1	0-7	
1,2-Dibromoethane	98	99	70-130	2	0-30	
1,2-Dichlorobenzene	96	95	86-116	1	0-8	
1,1-Dichloroethene	93	91	70-130	1	0-25	
Ethylbenzene	96	94	70-130	2	0-30	
Toluene	96	94	87-123	2	0-8	
Trichloroethene	97	95	79-127	1	0-10	
Vinyl Chloride	80	78	69-129	3	0-13	
Methyl-t-Butyl Ether (MTBE)	97	99	71-131	2	0-13	
Tert-Butyl Alcohol (TBA)	95	98	36-168	2	0-45	
Diisopropyl Ether (DIPE)	95	93	81-123	2	0-9	
Ethyl-t-Butyl Ether (ETBE)	94	94	72-126	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	99	102	72-126	2	0-12	
Ethanol	90	97	53-149	7	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 09-05-0541
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
099-12-767-1,777	**Aqueous**	**GC/MS U**	**05/17/09**	**05/18/09**	**090517L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	92	95	84-120	78-126	4	0-8	
Carbon Tetrachloride	89	93	63-147	49-161	4	0-10	
Chlorobenzene	91	94	89-119	84-124	2	0-7	
1,2-Dibromoethane	94	96	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	89	91	89-119	84-124	2	0-9	
1,1-Dichloroethene	93	95	77-125	69-133	2	0-16	
Ethylbenzene	93	95	80-120	73-127	2	0-20	
Toluene	93	96	83-125	76-132	4	0-9	
Trichloroethene	98	105	89-119	84-124	6	0-8	
Vinyl Chloride	94	95	63-135	51-147	2	0-13	
Methyl-t-Butyl Ether (MTBE)	93	96	82-118	76-124	3	0-13	
Tert-Butyl Alcohol (TBA)	90	95	46-154	28-172	5	0-32	
Diisopropyl Ether (DIPE)	89	92	81-123	74-130	3	0-11	
Ethyl-t-Butyl Ether (ETBE)	88	91	74-122	66-130	4	0-12	
Tert-Amyl-Methyl Ether (TAME)	94	98	76-124	68-132	4	0-10	
Ethanol	86	88	60-138	47-151	3	0-32	
TPPH	97	103	65-135	53-147	6	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

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 09-05-0541
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
099-12-767-1,780	**Aqueous**	**GC/MS U**	**05/18/09**	**05/18/09**	**090518L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	104	99	84-120	78-126	5	0-8	
Carbon Tetrachloride	99	97	63-147	49-161	2	0-10	
Chlorobenzene	102	98	89-119	84-124	3	0-7	
1,2-Dibromoethane	102	101	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	96	97	89-119	84-124	1	0-9	
1,1-Dichloroethene	102	99	77-125	69-133	3	0-16	
Ethylbenzene	105	102	80-120	73-127	3	0-20	
Toluene	104	99	83-125	76-132	4	0-9	
Trichloroethene	104	103	89-119	84-124	2	0-8	
Vinyl Chloride	90	86	63-135	51-147	5	0-13	
Methyl-t-Butyl Ether (MTBE)	98	97	82-118	76-124	0	0-13	
Tert-Butyl Alcohol (TBA)	95	94	46-154	28-172	1	0-32	
Diisopropyl Ether (DIPE)	100	93	81-123	74-130	7	0-11	
Ethyl-t-Butyl Ether (ETBE)	97	93	74-122	66-130	4	0-12	
Tert-Amyl-Methyl Ether (TAME)	102	100	76-124	68-132	2	0-10	
Ethanol	90	88	60-138	47-151	2	0-32	
TPPH	89	96	65-135	53-147	8	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

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 09-05-0541

Qualifier	Definition
*	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 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 with no further corrective action required.
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.
H	Sample received and/or analyzed past the recommended holding time.
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.

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)

- ☑ CALSCIENCE (_____)
- ☐ SPL (_____)
- ☐ XENCO (_____)
- ☐ TEST AMERICA (_____)
- ☐ OTHER (_____)

Please Check Appropriate Box:

☑ ENV. SERVICES | ☐ MOTIVA RETAIL | ☐ SHELL RETAIL
☐ MOTIVA SD&CM | ☐ CONSULTANT | ☐ LUBES
☐ SHELL PIPELINE | ☐ OTHER _____

Print Bill To Contact Name: Denis Brown

INCIDENT # (ENV SERVICES): 98995756 ☐ CHECK IF NO INCIDENT # APPLIES

DATE: 5/5/09

PAGE: 1 of 1

PO #

SAP #

SAMPLING COMPANY	Blaine Tech Services
LOG CODE	BTSS 090505-RM2
SITE ADDRESS: Street and City	5755 Broadway, Oakland
State	CA
GLOBAL ID NO.	T0600101270
ADDRESS	1680 Rogers Ave, San Jose, CA 95112
EDF DELIVERABLE TO (Name, Company, Office Location)	Anni Kreml, CRA, Emeryville
PHONE NO.	(510) 420-3335
E-MAIL	Shelledf@craworld.com
CONSULTANT PROJECT NO.	BTS #
PROJECT CONTACT (Hardcopy or PDF Report to)	Michael Ninokata
TELEPHONE	(408)573-0555
FAX	(408)573-7771
E-MAIL	mninokata@blainetech.com
SAMPLER NAME(S) (Print)	R McCarthy
LAB USE ONLY	09-0511

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:

SPECIAL INSTRUCTIONS OR NOTES :

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
	S-2	5/5/09	1310	W	3					3	X		X		X	X								
	H-1	↓	1230	↓	3					3	X		X		X									

Relinquished by: (Signature)	Received by: (Signature) (Sample Custodian)	Date: 5/5/09	Time: 1745
Relinquished by: (Signature) (Sample Custody) 5/6/09	Received by: (Signature) CEL	Date: 5/6/09	Time: 1450
Relinquished by: (Signature) Von O'Malley TO GSO 1730	Received by: (Signature)	Date: 5/7/09	Time: 1030

GSO 5/8/10060

05/2/06 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-05- 0 5 4 1

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Blain Tech

DATE: 05/07/09

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

Temperature 2.9 °C - 0.2 °C (CF) = 2.7 °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: YL

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: YL

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: JL

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ COC not relinquished. ☐ No date relinquished. ☐ No time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Correct containers and volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☑VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s** ☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na** ☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PB ☐100PB**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® ☐_____ **Other:** ☐_____ **Checked/Labeled by:** JL

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar (Wide-mouth) **B:** Bottle (Narrow-mouth) **Reviewed by:** YL

Preservative: **h:** HCL **n:** HNO3 **na$_2$:** $Na_2S_2O_3$ **Na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **znna:** $ZnAc_2$+NaOH **f:** Field-filtered **Scanned by:** YL

WELL GAUGING DATA

Project # 090505-RM2 Date 5/5/09 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	1152	3					.81	11.01		G.O
S-2	1159	4					2.48	9.53		
S-3	1202	4					2.02	9.19		G.O
H-1	1157	4					2.76	11.98		

SHEL WELL MONITORING DATA HEET

BTS #: 090505-RM2	Site: 5755 Broadway
Sampler: ZM	Date: 5/5/09
Well I.D.: S-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 9.53	Depth to Water (DTW): 2.48 (6.8)
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]: 3.85	

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: _____

4.5 (Gals.) X	3	=	13.5 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1243	66.7	7.44	659.4	28.5	4.5	
1244	66.7	6.98	663.3	81.7	9.0	
	well DEWATERED @ 9.0 gallons					
1310	66.6	6.89	662.5	17.1	—	

Did well dewater? (Yes) No Gallons actually evacuated: 9.0

Sampling Date: 5/5/09 Sampling Time: 1310 Depth to Water: 3.76

Sample I.D.: S-2 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
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 090505-RM2	Site: 5755 Broadway
Sampler: R.M.	Date: 5/5/09
Well I.D.: H-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 11.98	Depth to Water (DTW): 2.76
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]: 4.60	

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: _____

6.0 (Gals.) X	3	=	18.0 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1222	67.6	7.44	499.6	58	6.0	odor
1223	67.3	7.46	493.6	11	12.0	"
1224	67.2	7.50	500.8	5	18.0	"

Did well dewater? Yes (No) Gallons actually evacuated: 18.0

Sampling Date: 5/5/09 Sampling Time: 1230 Depth to Water: 3.88

Sample I.D.: H-1 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	
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV	

SHELL WELLHEAD INSPECTION FORM
(FOR SAMPLE TECHNICIAN)

Site Address 5755 Broadway, Oakland Date 5/5/09

Job Number 090505-RM2 Technician R. McCarty Page ____ of ____

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	X						
S-2	X	X							
S-3	X	X							~~VA~~
H-1	X								VAULT

*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: _____