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
1800 ½ Powell Street
Emeryville, California
SAP Code 135266
Incident No. 98995349
ACHCSA Case No. RO0000254

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 – FOURTH QUARTER 2008

SHELL-BRANDED SERVICE STATION
1800½ POWELL STREET
EMERYVILLE, CALIFORNIA

SAP CODE	135266
INCIDENT NO.	98995349
AGENCY NO.	RO0000254

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

JANUARY 15, 2009
REF. NO. 240894 (1)
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 reporting requirements of 23 CCR 2652d.

1.1 SITE INFORMATION

Site Address	1800½ Powell Street, Emeryville
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.	RO0000254
Shell SAP Code	135266
Shell Incident No.	98995349

Date of most recent agency correspondence was July 10, 2006.

2.0 SITE ACTIVITIES, FINDINGS, AND DISCUSSION

2.1 CURRENT 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 FINDINGS

Groundwater Flow Direction	Southerly
Hydraulic Gradient	0.03
Depth to Water	6.80 to 10.03 feet below top of well casing

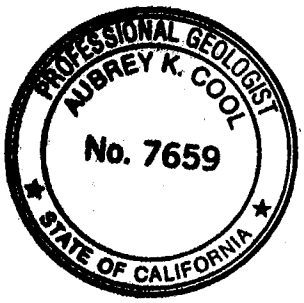
2.3 PROPOSED ACTIVITIES

Blaine will gauge and sample wells in the fourth quarter of 2009 according to the established monitoring program for this site.

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

Peter Schaefer, CHG, CEG
Project Manager

Aubrey K. Cool, PG
Professional Geologist



FIGURES

01/13/09

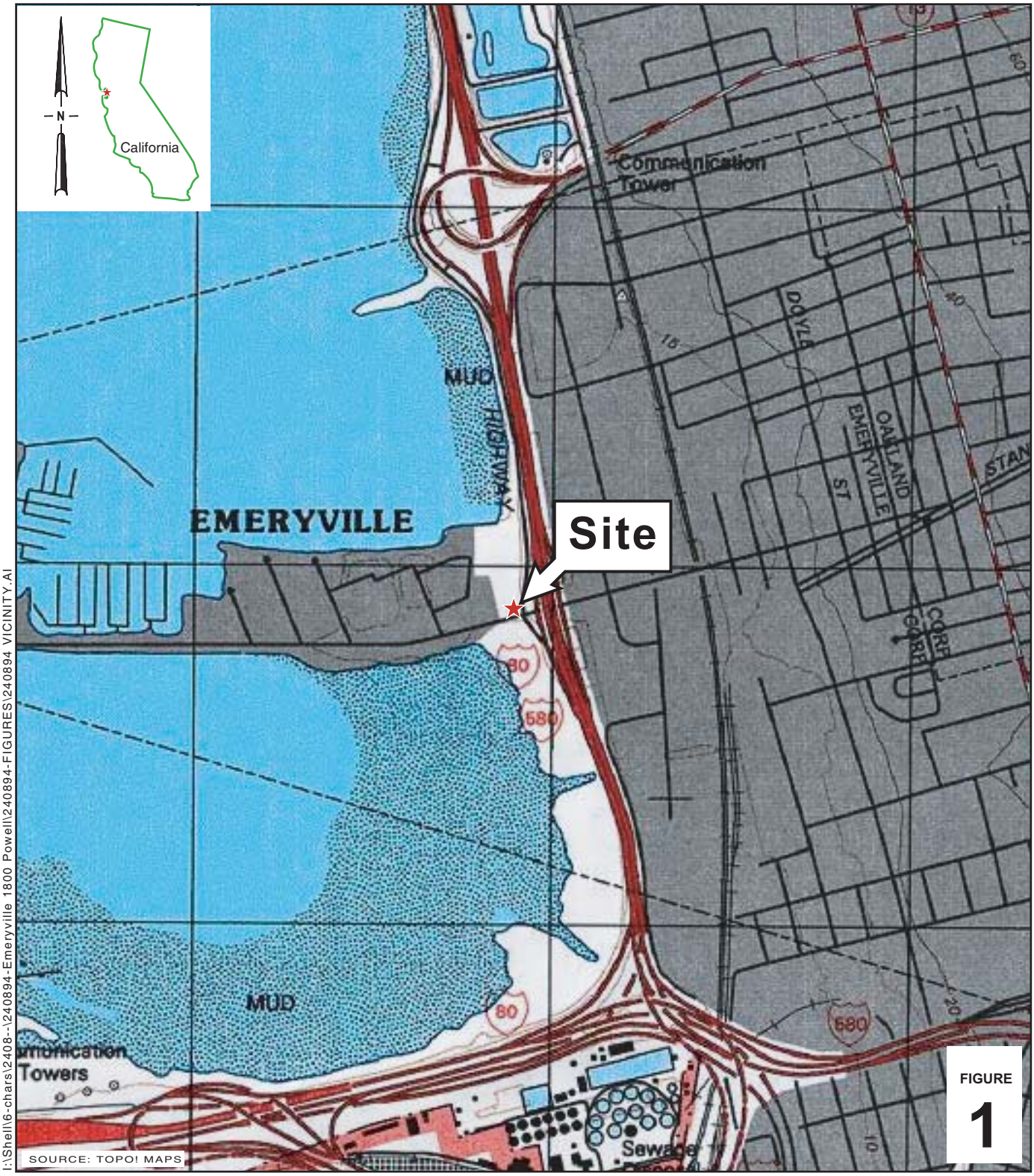


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FIGURE
1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

Shell-branded Service Station

1800 1/2 Powell Street

Emeryville, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

01/13/09

Groundwater Contour and Chemical Concentration Map

November 17, 2008

EXPLANATION

- S-5 — Monitoring well location
- S-6 — Destroyed monitoring well location
- S-1/A — Tank backfill well location
- Groundwater flow direction and gradient
- XX.XX — Groundwater elevation contour, in feet above mean sea level (msl)
- Well designation
- ELEV. — Groundwater elevation, in feet above msl
- Benzene / MTBE — Benzene and MTBE concentrations are in micrograms per liter

Notes:
NA = Not available
ND = Not detected
NS = Not sampled

N

0 15 30 60

Scale (ft)

Holiday Inn
Hotel Building
1800 Powell

Hotel
Parking Lot

Hotel
Parking Lot

Shell Station
1800 1/2 Powell

FRONTAGE ROAD

POWELL STREET

Planter
Car Wash
Dispenser Islands
Marketeer Building
Canopy
USTs
Trash
Driveway
Traffic Island

S-5 5.97 30 ND
S-6
S-7
S-8 5.36 6.9 36
S-9 NA NS
S-10 4.90 7.3 32
S-11/D
S-12 8.07 ND 44
S-13 5.23 3.0 25
S-14 5.26 ND 1.4
S-1/A
S-2/E
S-3/B
S-4/C

7.50
6.50
5.50
0.03

CONESTOGA-ROVERS & ASSOCIATES

Shell-branded Service Station

1800 1/2 Powell Street
Emeryville, California

FIGURE
2

I:\Shell\6-chars\2408---\240894-Emeryville 1800 Powell\240894-REPORTS\240894-RPT1-4q08\240894 4QM08.DWG

APPENDIX A

BLAINE TECH SERVICES, INC. –
GROUNDWATER MONITORING REPORT

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

December 10, 2008

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

Fourth Quarter 2008 Groundwater Monitoring at
Shell-branded Service Station
1800 Powell Street
Emeryville, CA

Monitoring performed on November 17, 2008

Groundwater Monitoring Report **081118-JO-1**

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 Shell Martinez Manufacturing Complex.

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 Sheet

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

WELL CONCENTRATIONS
Shell-Branded Service Station
1800 Powell Street
Emeryville, CA

Well ID	Date	TPPH (ug/L)	TEPH (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)	SPH Thickness (ft.)
S-5	10/26/1984	3,000	NA	660	20	20	70	NA	NA	NA	NA	NA	NA	11.72	NA	NA	NA
S-5	2/9/1985	2,800	NA	740	20	20	140	NA	NA	NA	NA	NA	NA	11.72	NA	NA	NA
S-5	4/27/1985	4,300	NA	750	10	20	<30	NA	NA	NA	NA	NA	NA	11.72	NA	NA	NA
S-5	7/6/1985	1,500	NA	300	8	7	9	NA	NA	NA	NA	NA	NA	11.72	NA	NA	NA
S-5	10/24/1985	2,100	NA	760	10	40	50	NA	NA	NA	NA	NA	NA	11.72	NA	NA	NA
S-5	1/3/1986	1,300	NA	520	9	8	10	NA	NA	NA	NA	NA	NA	11.72	NA	NA	NA
S-5	7/5/1986	1,400	NA	500	10	4	<10	NA	NA	NA	NA	NA	NA	11.72	8.36	3.36	NA
S-5	10/18/1986	4,200	NA	1,100	9	14	7	NA	NA	NA	NA	NA	NA	11.72	NA	NA	NA
S-5	1/13/1987	4,500	6,100	1,100	15	30	25	NA	NA	NA	NA	NA	NA	11.72	NA	NA	NA
S-5	7/7/1987	3,200	NA	1,000	16	9	12	NA	NA	NA	NA	NA	NA	11.72	9.15	2.57	NA
S-5	10/10/1987	1,700	NA	16	5.7	5.2	8.9	NA	NA	NA	NA	NA	NA	11.72	9.67	2.05	NA
S-5	2/11/1988	1,300	NA	300	5	<5	<5	NA	NA	NA	NA	NA	NA	11.72	9.00	2.72	NA
S-5	5/10/1988	1,900	NA	490	<0.5	<5	<5	NA	NA	NA	NA	NA	NA	11.72	8.61	3.11	NA
S-5	8/31/1988	6,700	NA	760	26	<25	<25	NA	NA	NA	NA	NA	NA	11.72	9.61	2.11	NA
S-5	12/3/1988	2,900	NA	890	5.3	7.3	13	NA	NA	NA	NA	NA	NA	11.72	9.47	2.25	NA
S-5	2/16/1989	1,300	NA	280	3	3.4	9.4	NA	NA	NA	NA	NA	NA	11.72	8.29	3.43	NA
S-5	8/10/1989	1,700	NA	530	5.5	<5	5.8	NA	NA	NA	NA	NA	NA	11.72	9.30	2.42	NA
S-5	11/11/1989	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.72	9.42	2.30	NA
S-5	2/21/1994	1,000	NA	250	<5	<5	<5	NA	NA	NA	NA	NA	NA	11.72	7.95	3.77	NA
S-5 (D)	2/21/1994	1,300	NA	220	<5	<5	11	NA	NA	NA	NA	NA	NA	11.72	7.95	3.77	NA
S-5	5/16/1994	1,200	NA	230	<5	<5	<5	NA	NA	NA	NA	NA	NA	11.72	8.00	3.72	NA
S-5	8/9/1994	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.72	NA	NA	NA
S-5	11/9/1994	1,600	NA	220	3.2	1.8	5	NA	NA	NA	NA	NA	NA	11.72	8.32	3.40	NA
S-5 (D)	11/9/1994	1,600	NA	250	3.3	1.9	5.9	NA	NA	NA	NA	NA	NA	11.72	8.32	NA	NA
S-5	2/22/1995	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.72	NA	NA	NA
S-5	5/2/1995	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.72	NA	NA	NA
S-5	5/10/1995	910	NA	170	1.5	1.3	5.2	NA	NA	NA	NA	NA	NA	11.72	NA	NA	NA
S-5	8/24/1995	620	NA	210	<0.5	1.2	5.3	NA	NA	NA	NA	NA	NA	11.72	8.78	2.94	NA
S-5	12/8/1995	1,600	NA	510	3.3	1.5	6.6	NA	NA	NA	NA	NA	NA	11.72	9.78	1.94	NA
S-5 (D)	12/8/1995	1,600	NA	530	1.8	1.1	5.4	NA	NA	NA	NA	NA	NA	11.72	9.78	1.94	NA

WELL CONCENTRATIONS
Shell-Branded Service Station
1800 Powell Street
Emeryville, CA

Well ID	Date	TPPH (ug/L)	TEPH (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)	SPH Thickness (ft.)
S-5	2/29/1996	1,900	NA	470	5.8	<5.0	<5.0	46	NA	NA	NA	NA	NA	11.72	7.64	4.08	NA
S-5 (D)	2/29/1996	1,700	NA	440	5.4	<5.0	<5.0	40	NA	NA	NA	NA	NA	11.72	7.64	4.08	NA
S-5	5/22/1996	1,200	NA	490	<10	<10	<10	<50	NA	NA	NA	NA	NA	11.72	8.60	3.12	NA
S-5	7/30/1996	1,100	NA	400	<5.0	<5.0	6.9	<25	NA	NA	NA	NA	NA	11.72	9.40	2.32	NA
S-5	11/11/1996	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.72	NA	NA	NA
S-5	11/3/1997	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.72	NA	NA	NA
S-5	11/6/1998	620	NA	91	<0.50	0.64	4.0	<2.5	NA	NA	NA	NA	NA	11.72	8.25	3.47	NA
S-5	12/7/1999	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.72	NA	NA	NA
S-5	11/2/2000	1,120	NA	191	2.78	<2.50	3.56	<12.5	NA	NA	NA	NA	NA	11.72	8.55	3.17	NA
S-5	12/27/2001	760	NA	110	2.4	<0.50	5.8	NA	<5.0	NA	NA	NA	NA	11.72	7.64	4.08	NA
S-5	11/26/2002	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.07	NA	NA	NA
S-5	12/6/2002	860	NA	130	2.3	<0.50	6.0	NA	<5.0	NA	NA	NA	NA	14.07	8.62	5.45	NA
S-5	11/25/2003	920	NA	180	3.0	<1.0	6.2	NA	<1.0	NA	NA	NA	NA	14.07	9.32	4.75	NA
S-5	11/10/2004	530	NA	2.4	0.68	<0.50	6.3	NA	<0.50	NA	NA	NA	NA	14.07	9.35	4.72	NA
S-5	11/23/2005	1,630	NA	102	2.42	0.540	5.71	NA	<0.500	<0.500	<0.500	<0.500	<10.0	14.07	9.62	4.45	NA
S-5	11/21/2006	1,100	NA	91	2.4	<0.50	5.3	NA	<0.50	<2.0	<2.0	<2.0	<5.0	14.07	9.60	4.47	NA
S-5	11/14/2007	1,700 t	NA	92	2.9	0.33 u	6.2	NA	<1.0	<2.0	<2.0	<2.0	<10	14.07	8.60	5.47	NA
S-5	**11/17/2008**	**810**	**NA**	**30**	**1.6**	**<1.0**	**4.4**	**NA**	**<1.0**	**<2.0**	**<2.0**	**<2.0**	**<10**	**14.07**	**8.10**	**5.97**	**NA**
S-6	4/27/1985	6,500	NA	2,400	30	50	210	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-6	7/6/1985	3,700	NA	1,700	34	55	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-6	10/24/1985	23	<0.5	<5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<50	NA
S-6	11/8/1985	Well abandoned		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-7	10/26/1984	50	NA	1.1	<1	<1	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-7	2/9/1985	NA	NA	0.9	<1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-7	4/27/1985	<50	NA	<1	<1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-7	7/6/1985	70	NA	2.2	<1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-7	10/24/1985	6,200	NA	2,200	130	190	660	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-7	11/9/1985	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

WELL CONCENTRATIONS
Shell-Branded Service Station
1800 Powell Street
Emeryville, CA

Well ID	Date	TPPH (ug/L)	TEPH (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)	SPH Thickness (ft.)
S-8	10/26/1984	1,000	NA	610	9	1	42	NA	NA	NA	NA	NA	NA	12.76	NA	NA	NA
S-8	2/9/1985	500	NA	160	5	<2	17	NA	NA	NA	NA	NA	NA	12.76	NA	NA	NA
S-8	4/27/1985	2,700	NA	1,500	20	10	40	NA	NA	NA	NA	NA	NA	12.76	NA	NA	NA
S-8	7/6/1985	440	NA	180	5	2	12	NA	NA	NA	NA	NA	NA	12.76	NA	NA	NA
S-8	10/24/1985	2,000	NA	1,100	17	5	70	NA	NA	NA	NA	NA	NA	12.76	NA	NA	NA
S-8	1/3/1986	1,900	NA	1,300	20	<10	70	NA	NA	NA	NA	NA	NA	12.76	NA	NA	NA
S-8	7/5/1986	1,600	NA	920	30	<10	60	NA	NA	NA	NA	NA	NA	12.76	9.50	3.26	NA
S-8	10/18/1986	1,400	NA	640	<10	<10	30	NA	NA	NA	NA	NA	NA	12.76	NA	NA	NA
S-8	1/13/1987	670	760	190	5.8	<0.5	19	NA	NA	NA	NA	NA	NA	12.76	NA	NA	NA
S-8	4/22/1987	2,400	NA	740	54	5.7	59	NA	NA	NA	NA	NA	NA	12.76	NA	NA	NA
S-8	7/7/1987	1,100	NA	450	15	<2.5	42	NA	NA	NA	NA	NA	NA	12.76	10.45	2.31	NA
S-8	10/10/1987	340	NA	4	0.6	<0.5	17	NA	NA	NA	NA	NA	NA	12.76	10.83	1.93	NA
S-8	2/11/1988	<1,000	NA	260	<10	<10	11	NA	NA	NA	NA	NA	NA	12.76	10.44	2.32	NA
S-8	5/10/1988	1,800	NA	700	14	<5	46	NA	NA	NA	NA	NA	NA	12.76	10.17	2.59	NA
S-8	8/31/1988	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.76	10.81	1.95	SPH
S-8	12/3/1988	960	NA	250	4.3	<2.5	14	NA	NA	NA	NA	NA	NA	12.76	10.81	1.95	NA
S-8	2/16/1989	2,700	NA	800	35	10	83	NA	NA	NA	NA	NA	NA	12.76	9.65	3.11	NA
S-8	5/28/1989	960	NA	710	25	84	80	NA	NA	NA	NA	NA	NA	12.76	10.46	2.30	NA
S-8	8/10/1989	1,300	NA	630	17	<5	46	NA	NA	NA	NA	NA	NA	12.76	10.59	2.17	NA
S-8	11/11/1989	910	NA	180	8	<2.5	15	NA	NA	NA	NA	NA	NA	12.76	10.29	2.47	NA
S-8	2/21/1994	3,200	NA	480	52	<5	130	NA	NA	NA	NA	NA	NA	12.76	9.52	3.24	NA
S-8	5/16/1994	1,000	NA	220	7.3	<5	28	NA	NA	NA	NA	NA	NA	12.76	9.49	3.27	NA
S-8 (D)	5/16/1994	1,000	NA	280	10	<5	29	NA	NA	NA	NA	NA	NA	12.76	9.49	3.27	NA
S-8	8/9/1994	400	NA	27	6.6	<0.5	18	NA	NA	NA	NA	NA	NA	12.76	10.37	2.39	NA
S-8	11/9/1994	650	NA	170	5.3	<0.5	17	NA	NA	NA	NA	NA	NA	12.76	9.58	3.18	NA
S-8	2/22/1995	650	NA	210	10	1.2	22	NA	NA	NA	NA	NA	NA	12.76	9.02	3.74	NA
S-8	5/2/1995	1,000	NA	280	17	1.4	32	NA	NA	NA	NA	NA	NA	12.76	8.45	4.31	NA
S-8	8/24/1995	480	NA	180	11	1	19	NA	NA	NA	NA	NA	NA	12.76	10.02	2.74	NA
S-8 (D)	8/24/1995	700	NA	180	6.5	<0.5	17	NA	NA	NA	NA	NA	NA	12.76	10.02	2.74	NA

WELL CONCENTRATIONS
Shell-Branded Service Station
1800 Powell Street
Emeryville, CA

Well ID	Date	TPPH (ug/L)	TEPH (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)	SPH Thickness (ft.)
S-8	12/8/1995	740	NA	230	6.9	0.7	15	NA	NA	NA	NA	NA	NA	12.76	10.65	2.11	NA
S-8	2/29/1996	740	NA	260	8.1	<5.0	19	58	NA	NA	NA	NA	NA	12.76	9.10	3.66	NA
S-8	5/22/1996	1,200	NA	350	10	<5.0	23	74	NA	NA	NA	NA	NA	12.76	10.14	2.62	NA
S-8	7/30/1996	530	NA	220	20	6.3	36	69	NA	NA	NA	NA	NA	12.76	10.51	2.25	NA
S-8	11/11/1996	540	NA	140	3.7	<2.0	17	42	NA	NA	NA	NA	NA	12.76	10.23	2.53	NA
S-8	11/3/1997	480	NA	54	3.5	<0.50	12	40	NA	NA	NA	NA	NA	12.76	9.40	3.36	NA
S-8	11/6/1998	740	NA	110	10	2.8	26	31	NA	NA	NA	NA	NA	12.76	9.78	2.98	NA
S-8	12/7/1999	770	NA	270	16	<2.0	33	75	NA	NA	NA	NA	NA	12.76	10.14	2.62	NA
S-8	11/2/2000	436	NA	75.8	6.18	0.549	14.9	81.5	NA	NA	NA	NA	NA	12.76	9.45	3.31	NA
S-8	12/27/2001	1,300	NA	62	11	1.8	31	NA	86	NA	NA	NA	NA	12.76	9.19	3.57	NA
S-8	11/26/2002	970	NA	58	3.8	0.51	15	NA	35	NA	NA	NA	NA	15.00	10.10	4.90	NA
S-8	11/25/2003	400	NA	19	4.4	<0.50	15	NA	34	NA	NA	NA	NA	15.00	10.49	4.51	NA
S-8	11/10/2004	430	NA	28	3.4	<0.50	11	NA	25	NA	NA	NA	NA	15.00	10.45	4.55	NA
S-8	11/23/2005	476	NA	8.72	3.15	1.03	12.6	NA	35.2	<0.500	<0.500	<0.500	20.1	15.00	10.46	4.54	NA
S-8	11/21/2006	280	NA	5.9	1.9	4.9	7.9	NA	27	<2.0	<2.0	<2.0	47	15.00	10.61	4.39	NA
S-8	11/14/2007	520 t	NA	2.2	0.66 u	<1.0	4.9	NA	29	<2.0	<2.0	<2.0	38	15.00	10.01	4.99	NA
S-8	**11/17/2008**	**550**	**NA**	**6.9**	**1.8**	**<1.0**	**8.0**	**NA**	**36**	**<2.0**	**<2.0**	**<2.0**	**23**	**15.00**	**9.64**	**5.36**	**NA**
S-9	10/26/1984	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH
S-9	2/9/1985	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	1.30
S-9	4/27/1985	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	1.25
S-9	7/6/1985	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	1.20
S-9	10/24/1985	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH
S-9	1/3/1986	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH
S-9	4/11/1986	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH
S-9	7/5/1986	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.75	9.67	3.08	SPH
S-9	10/18/1986	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH
S-9	1/13/1987	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH
S-9	4/22/1987	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH
S-9	7/7/1987	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH

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S-9	10/10/1987	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.75	22.30	-9.55	SPH
S-9	2/24/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH
S-9	5/16/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	1.50
S-9	8/9/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.75	11.80	NA	2.00
S-9	11/9/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH
S-9	2/22/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.75	11.40	NA	2.38
S-9	5/2/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.75	11.83	NA	2.12
S-9	12/8/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.75	11.92	NA	1.06
S-9	02/29/1996 a	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.75	12.10	2.88	2.79
S-9	05/22/1996 a	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.75	11.71	2.44	1.75
S-9	07/30/1996 a	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH
S-9	11/11/1996 a	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	9.00
S-9	11/03/1997 a	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH
S-9	11/06/1998 a	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH
S-9	12/07/1999 a	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	NA
S-9	11/02/2000 a	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	NA
S-9	12/27/2001 a	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	NA
S-9	11/26/2002 a	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.83	NA	NA	NA
S-9	11/25/2003 a	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.83	NA	NA	NA
S-9	11/25/2003 a	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.98 n	NA	NA	NA
S-9	11/23/2005 a	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.98	NA	NA	NA
S-9	11/21/2006 a	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.98	NA	NA	NA
S-9	11/14/2007 a	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.98	NA	NA	NA
S-9	**11/17/2008 a**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**14.98**	**NA**	**NA**	**NA**
S-10	10/26/1984	700,000	NA	37,000	100,000	20,000	110,000	NA	NA	NA	NA	NA	NA	12.58	NA	NA	NA
S-10	2/9/1985	6,500	NA	480	700	100	1,800	NA	NA	NA	NA	NA	NA	12.58	NA	NA	NA
S-10	4/27/1985	13,000	NA	1,300	500	600	3,700	NA	NA	NA	NA	NA	NA	12.58	NA	NA	NA
S-10	7/6/1985	14,000	NA	1,300	310	270	2,400	NA	NA	NA	NA	NA	NA	12.58	NA	NA	NA
S-10	10/24/1985	4,200	NA	580	34	4	440	NA	NA	NA	NA	NA	NA	12.58	NA	NA	NA

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S-10	1/3/1986	1,700	NA	360	10	7.8	170	NA	NA	NA	NA	NA	NA	12.58	NA	NA	NA
S-10	4/11/1986	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.58	NA	NA	0.01
S-10	7/5/1986	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.58	9.16	3.42	0.01
S-10	10/18/1986	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.58	NA	NA	0.03
S-10	1/13/1987	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.58	NA	NA	0.03
S-10	4/22/1987	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.58	NA	NA	0.01
S-10	7/7/1987	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.58	9.41	3.17	0.03
S-10	10/10/1987	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.58	7.77	4.81	SPH
S-10	2/11/1988	1,200	NA	470	16	<5	14	NA	NA	NA	NA	NA	NA	12.58	6.41	6.17	NA
S-10	5/10/1988	1,100	NA	100	6	4	19	NA	NA	NA	NA	NA	NA	12.58	9.04	3.54	NA
S-10	8/31/1988	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.58	9.38	3.20	0.01
S-10	12/3/1988	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.58	6.89	5.69	SPH
S-10	2/16/1989	530	NA	89	8.5	1.6	4.5	NA	NA	NA	NA	NA	NA	12.58	7.34	5.24	NA
S-10	5/28/1989	240	NA	65	3.8	2.2	8.6	NA	NA	NA	NA	NA	NA	12.58	6.60	5.98	NA
S-10	8/10/1989	250	NA	23	4.1	<1	6.4	NA	NA	NA	NA	NA	NA	12.58	9.09	3.49	NA
S-10	11/11/1989	320	NA	1.6	1.3	1.4	6.2	NA	NA	NA	NA	NA	NA	12.58	6.58	6.00	NA
S-10	2/21/1994	1,400	NA	190	9.9	<2.5	19	NA	NA	NA	NA	NA	NA	12.58	8.32	4.26	NA
S-10	5/16/1994	300	NA	45	8.6	6.2	19	NA	NA	NA	NA	NA	NA	12.58	8.35	4.23	NA
S-10	8/8/1994	700	NA	57	14	<0.5	9.3	NA	NA	NA	NA	NA	NA	12.58	8.66	3.92	NA
S-10	11/9/1994	640	NA	130	2	1.6	4.1	NA	NA	NA	NA	NA	NA	12.58	6.68	5.90	NA
S-10	2/22/1995	500	NA	65	5.9	1	8.2	NA	NA	NA	NA	NA	NA	12.58	9.12	3.46	NA
S-10	5/2/1995	530	NA	59	2.3	0.8	8.2	NA	NA	NA	NA	NA	NA	12.58	9.50	3.08	NA
S-10	8/24/1995	350	NA	35	4.6	<0.5	6.7	NA	NA	NA	NA	NA	NA	12.58	10.06	2.52	NA
S-10	12/8/1995	690	NA	28	4.6	0.9	8.6	NA	NA	NA	NA	NA	NA	12.58	10.08	2.50	NA
S-10	2/29/1996	430	NA	32	1.8	0.5	5.8	16	NA	NA	NA	NA	NA	12.58	5.32	7.26	NA
S-10	5/22/1996	100	1,200	19	0.63	<0.5	1.4	5.3	NA	NA	NA	NA	NA	12.58	6.04	6.54	NA
S-10	7/30/1996	240	13,000	17	<1.2	<1.2	7.8	11	NA	NA	NA	NA	NA	12.58	10.48	2.10	NA
S-10	11/11/1996	370	4,800	16	1.1	<0.5	7	94	NA	NA	NA	NA	NA	12.58	10.31	2.27	NA
S-10	11/3/1997	340	1,100	6.7	2.1	<0.50	3.3	19	NA	NA	NA	NA	NA	12.58	9.53	3.05	NA
S-10 (D)	11/3/1997	310	1,100	7.8	1.3	<0.50	3.1	19	NA	NA	NA	NA	NA	12.58	9.53	3.05	NA

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S-10	11/6/1998	<250	2,000	<2.5	<2.5	<2.5	6.5	900	NA	NA	NA	NA	NA	12.58	5.12	7.46	NA
S-10	12/7/1999	400	2,230	47	33	10	29	90	NA	NA	NA	NA	NA	12.58	7.95	4.63	NA
S-10	11/2/2000	536	14,500	32.0	3.08	<0.500	2.98	42.3	NA	NA	NA	NA	NA	12.58	7.05	5.53	NA
S-10	12/27/2001	870	6,600	61	4.9	2.5	15	NA	26	NA	NA	NA	NA	12.58	7.43	5.15	NA
S-10	11/26/2002	720	9,800	56	3.5	<0.50	8.4	NA	52	NA	NA	NA	NA	15.11	9.75	5.36	NA
S-10	11/25/2003	550	530 m	29	2.7	<0.50	8.4	NA	49	NA	NA	NA	NA	15.11	9.00	6.11	NA
S-10	11/10/2004	660	1,500 m	64	5.0	0.61	14	NA	54	NA	NA	NA	NA	14.93 o	9.50	5.43	NA
S-10	11/23/2005	866	NA	47.0	3.44	0.600	12.6	NA	61.9	<0.500	<0.500	<0.500	<10.0	14.93	10.23	4.70	NA
S-10	11/21/2006	490	12,000 l	21	2.3	5.8	9.6	NA	48	<2.0	<2.0	<2.0	34	14.93	10.04	4.89	NA
S-10	11/14/2007	740 t	1,300 r,s	19	2.1	<1.0	8.0	NA	44	<2.0	<2.0	<2.0	20	14.93	9.49	5.44	NA
S-10	**11/17/2008**	**630**	**2,000 s**	**7.3**	**1.0**	**<1.0**	**7.0**	**NA**	**32**	**<2.0**	**<2.0**	**<2.0**	**11**	**14.93**	**10.03**	**4.90**	**NA**
S-12	7/6/1985	<250	2,200	0.71	<0.5	<0.5	<3.6	NA	NA	NA	NA	NA	NA	12.84	8.22	NA	NA
S-12	11/16/1985	<250	1,400	18	<2	<2	<5	NA	NA	NA	NA	NA	NA	12.84	NA	NA	NA
S-12	1/3/1986	<250	NA	24	2	<2	<5	NA	NA	NA	NA	NA	NA	12.84	NA	NA	NA
S-12	7/5/1986	80	NA	15	0.7	<0.5	2	NA	NA	NA	NA	NA	NA	12.84	8.27	4.57	NA
S-12	10/18/1986	150	NA	12	9	<0.5	3.6	NA	NA	NA	NA	NA	NA	12.84	NA	NA	NA
S-12	1/13/1987	120	1,000	3.6	0.8	<0.5	2.9	NA	NA	NA	NA	NA	NA	12.84	NA	NA	NA
S-12	4/22/1987	100	820	3.7	3.8	0.8	11	NA	NA	NA	NA	NA	NA	12.84	NA	NA	NA
S-12	7/7/1987	70	NA	2.5	0.8	<0.5	2.4	NA	NA	NA	NA	NA	NA	12.84	9.50	3.34	NA
S-12	10/10/1987	220	2,500	2.1	0.7	<0.5	1.2	NA	NA	NA	NA	NA	NA	12.84	9.90	2.94	NA
S-12	2/11/1988	110	2,500	0.8	<0.5	<0.5	1.3	NA	NA	NA	NA	NA	NA	12.84	9.43	3.41	NA
S-12	5/10/1988	140	3,800 b	0.8	0.8	<0.5	2.5	NA	NA	NA	NA	NA	NA	12.84	8.65	4.19	NA
S-12	8/31/1988	190	2,600 b	3	15	0.5	4.5	NA	NA	NA	NA	NA	NA	12.84	9.86	2.98	NA
S-12	12/3/1988	180	3,900 b	1.2	1	1	7.7	NA	NA	NA	NA	NA	NA	12.84	9.93	2.91	NA
S-12	2/16/1989	350c	2,100 b	0.6	<0.5	0.5	5.5	NA	NA	NA	NA	NA	NA	12.84	8.08	4.76	NA
S-12	5/28/1989	290	2,200	2	1.6	4.4	6	NA	NA	NA	NA	NA	NA	12.84	9.08	3.76	NA
S-12	8/10/1989	240	720	0.7	<0.5	<0.5	1.1	NA	NA	NA	NA	NA	NA	12.84	9.35	3.49	NA
S-12	11/11/1989	210c	4,100	0.7	0.5	<0.5	3.4	NA	NA	NA	NA	NA	NA	12.84	9.28	3.56	NA
S-12	2/21/1994	240d	2,200 e	0.7	<0.5	<0.5	3.6	NA	NA	NA	NA	NA	NA	12.84	8.22	4.62	NA

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S-12	5/16/1994	96	2,200	1.5	<0.5	<0.5	2	NA	NA	NA	NA	NA	NA	12.84	8.92	3.92	NA
S-12	8/8/1994	110f	3,500 g	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	12.84	NA	0.00	NA
S-12	11/9/1994	80	5,400 g	80	<0.5	<0.5	0.6	NA	NA	NA	NA	NA	NA	12.84	7.56	5.28	NA
S-12	2/22/1995	110	2,900 g,h	0.7	<0.5	<0.5	3.7	NA	NA	NA	NA	NA	NA	12.84	7.98	4.86	NA
S-12 (D)	2/22/1995	110	3,400 g,h	4.8	7.1	<0.5	2.1	NA	NA	NA	NA	NA	NA	12.84	7.98	4.86	NA
S-12	5/2/1995	140	2,800	2.4	1.1	0.8	4.3	NA	NA	NA	NA	NA	NA	12.84	8.44	4.40	NA
S-12	8/24/1995	200	1,600	19	12	5.6	24	NA	NA	NA	NA	NA	NA	12.84	9.00	3.84	NA
S-12	12/8/1995	170	2,700	2.2	0.7	0.9	3.6	NA	NA	NA	NA	NA	NA	12.84	9.62	3.22	NA
S-12	2/29/1996	1,700	2,200	<5.0	<5.0	<5.0	<5.0	5,600	NA	NA	NA	NA	NA	12.84	7.64	5.20	NA
S-12	5/22/1996	<1,000	5,700	<10	<10	<10	<10	2,400	NA	NA	NA	NA	NA	12.84	8.94	3.90	NA
S-12	7/30/1996	<500	3,200	<5.0	<5.0	<5.0	<5.0	1,500	NA	NA	NA	NA	NA	12.84	9.71	3.13	NA
S-12 (D)	7/30/1996	<500	2,900	<5.0	<5.0	<5.0	<5.0	NA	2,000	NA	NA	NA	NA	12.84	9.71	3.13	NA
S-12	11/11/1996	<500	6,900	<5.0	<5.0	<5.0	<5.0	1,400	NA	NA	NA	NA	NA	12.84	9.65	3.19	NA
S-12	11/3/1997	110	2,800	2.1	<0.50	<0.50	1.3	NA	NA	NA	NA	NA	NA	12.84	8.73	4.11	NA
S-12	11/6/1998	<500	2,900	<5.0	<5.0	<5.0	<5.0	2,700	NA	NA	NA	NA	NA	12.84	8.85	3.99	NA
S-12	12/7/1999	<500	2,800	<5.0	<5.0	<5.0	<5.0	1,900	NA	NA	NA	NA	NA	12.84	8.32	4.52	NA
S-12	11/2/2000	132	4,000	0.642	<0.500	<0.500	1.07	1,900	2,230 k	NA	NA	NA	NA	12.84	7.50	5.34	NA
S-12	12/27/2001	230	2,700	<2.0	<2.0	<2.0	<2.0	NA	760	NA	NA	NA	NA	12.84	7.00	5.84	NA
S-12	11/26/2002	180	540	<1.0	<1.0	<1.0	1.7	NA	390	NA	NA	NA	NA	14.87	8.35	6.52	NA
S-12	11/25/2003	<250	2,600 m	<2.5	<2.5	<2.5	<5.0	NA	310	NA	NA	NA	NA	14.87	6.04	8.83	NA
S-12	11/10/2004	290	1,000 m	<1.0	1.2	<1.0	5.0	NA	140	NA	NA	NA	NA	14.87	7.80	7.07	NA
S-12	11/23/2005	<50.0	NA	<0.500	<0.500	<0.500	2.63	NA	93.3	<0.500	<0.500	<0.500	398	14.87	7.22	7.65	NA
S-12	11/21/2006	280	220	<1.0	<1.0	<1.0	<2.0	NA	110	<4.0	<4.0	<4.0	600	14.87	8.53	6.34	NA
S-12	11/14/2007	360 t	660 r,s	0.23 u	<1.0	<1.0	0.51 u	NA	83	<2.0	<2.0	<2.0	830	14.87	7.40	7.47	NA
S-12	**11/17/2008**	**390**	**2,600 s**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**44**	**<2.0**	**<2.0**	**<2.0**	**350**	**14.87**	**6.80**	**8.07**	**NA**
S-13	7/6/1985	700	3,600	200	<5	<5	45	NA	NA	NA	NA	NA	NA	12.59	9.26	NA	NA
S-13	11/16/1985	1,900	2,000	700	160	70	340	NA	NA	NA	NA	NA	NA	12.59	NA	NA	NA
S-13	1/3/1986	2,800	NA	1,400	130	10	500	NA	NA	NA	NA	NA	NA	12.59	NA	NA	NA
S-13	7/5/1986	3,100	NA	1,800	60	40	270	NA	NA	NA	NA	NA	NA	12.59	9.47	3.12	NA

WELL CONCENTRATIONS
Shell-Branded Service Station
1800 Powell Street
Emeryville, CA

Well ID	Date	TPPH (ug/L)	TEPH (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)	SPH Thickness (ft.)
S-13	10/23/1986	3,400	NA	1,500	28	28	250	NA	NA	NA	NA	NA	NA	12.59	NA	NA	NA
S-13	1/13/1987	1,900	900	830	15	<10	99	NA	NA	NA	NA	NA	NA	12.59	NA	NA	NA
S-13	4/22/1987	2,900 c	770 h	1,100	20	30	140	NA	NA	NA	NA	NA	NA	12.59	NA	NA	NA
S-13	7/7/1987	1,500	NA	880	10	6	160	NA	NA	NA	NA	NA	NA	12.59	10.38	2.21	NA
S-13	10/10/1987	480	2,400	830	15	<0.5	120	NA	NA	NA	NA	NA	NA	12.59	10.78	1.81	NA
S-13	2/11/1988	1,300	1,300	510	<10	<10	86	NA	NA	NA	NA	NA	NA	12.59	10.48	2.11	NA
S-13	5/10/1988	1,000	1,300 b	470	<0.5	<5	50	NA	NA	NA	NA	NA	NA	12.59	9.48	3.11	NA
S-13	8/31/1988	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.59	10.74	1.85	SPH
S-13	12/3/1988	900	2,400 b	290	4.6	<2.5	20	NA	NA	NA	NA	NA	NA	12.59	10.30	2.29	NA
S-13	2/16/1989	840 c	1,200 b	310	3.5	<2.5	27	NA	NA	NA	NA	NA	NA	12.59	7.60	4.99	NA
S-13	5/28/1989	2,100	4,600	1,100	19	50	350	NA	NA	NA	NA	NA	NA	12.59	10.60	1.99	NA
S-13	8/10/1989	900	2,300	230	16	6.9	65	NA	NA	NA	NA	NA	NA	12.59	10.58	2.01	NA
S-13	11/11/1989	2,800	2,800	200	15	8.6	58	NA	NA	NA	NA	NA	NA	12.59	9.84	2.75	NA
S-13	2/21/1994	700	1,800 d	200	<5	<5	45	NA	NA	NA	NA	NA	NA	12.59	9.26	3.33	NA
S-13	5/16/1994	650	1,700	180	2.5	<2.5	21	NA	NA	NA	NA	NA	NA	12.59	9.62	2.97	NA
S-13	8/8/1994	470	2,600 g	12	1.5	0.5	14	NA	NA	NA	NA	NA	NA	12.59	10.32	2.27	NA
S-13	11/9/1994	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.59	NA	NA	NA
S-13	2/22/1995	550	2,400 g,h	190	4	<0.5	17	NA	NA	NA	NA	NA	NA	12.59	8.92	3.67	NA
S-13	5/2/1995	790	2,100	250	6.9	1.2	22	NA	NA	NA	NA	NA	NA	12.59	9.52	3.07	NA
S-13	8/24/1995	330	1,500	93	<0.5	<0.5	2	NA	NA	NA	NA	NA	NA	12.59	10.02	2.57	NA
S-13	12/8/1995	440	2,400	110	2.2	0.8	23	NA	NA	NA	NA	NA	NA	12.59	10.75	1.84	NA
S-13	2/29/1996	560	2,500	130	<5.0	<5.0	30	30	NA	NA	NA	NA	NA	12.59	9.02	3.57	NA
S-13	5/22/1996	430	3,700	55	1.6	310	27	<5.0	NA	NA	NA	NA	NA	12.59	10.20	2.39	NA
S-13	7/30/1996	230	1,600	30	2	1.4	17	15	NA	NA	NA	NA	NA	12.59	10.42	2.17	NA
S-13	11/11/1996	320	2,700	19	1.1	<0.5	14	3.5	NA	NA	NA	NA	NA	12.59	10.28	2.31	NA
S-13 (D)	11/11/1996	360	2,400	24	1.3	<0.5	15	4.5	NA	NA	NA	NA	NA	12.59	10.28	2.31	NA
S-13	11/3/1997	300	1,900	25	1.4	0.63	12	5.0	NA	NA	NA	NA	NA	12.59	9.36	3.23	NA
S-13	11/6/1998	390	1,300	53	2.9	1.1	13	17	NA	NA	NA	NA	NA	12.59	9.85	2.74	NA
S-13	12/7/1999	420	1,430	15	6.2	2.6	15	42	NA	NA	NA	NA	NA	12.59	9.72	2.87	NA
S-13	11/2/2000	257	4,240	4.89	1.92	<0.500	5.17	45.1	NA	NA	NA	NA	NA	12.59	7.15	5.44	NA

WELL CONCENTRATIONS
Shell-Branded Service Station
1800 Powell Street
Emeryville, CA

Well ID	Date	TPPH (ug/L)	TEPH (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)	SPH Thickness (ft.)
S-13	12/27/2001	300	6,400	7.2	0.84	<0.50	6.0	NA	34	NA	NA	NA	NA	12.59	9.35	3.24	NA
S-13	11/26/2002	160	850	<0.50	<0.50	<0.50	2.6	NA	23	NA	NA	NA	NA	14.47	9.80	4.67	NA
S-13	11/25/2003	180	5,100 m	0.57	0.55	<0.50	3.0	NA	26	NA	NA	NA	NA	14.47	9.94	4.53	NA
S-13	11/10/2004	220	1,900 m	<0.50	0.71	<0.50	2.8	NA	26	NA	NA	NA	NA	14.47	10.05	4.42	NA
S-13	11/23/2005	<50.0	NA	4.33	1.24	0.700	5.40	NA	27.2	<0.500	<0.500	<0.500	30.3	14.47	10.02	4.45	NA
S-13	11/21/2006	370	840	19	2.3	0.60	4.9	NA	77	<2.0	<2.0	5.1	73	14.47	10.30	4.17	NA
S-13	11/14/2007	650 t	590 r,s	8.0	1.8	<1.0	4.7	NA	32	<2.0	<2.0	1.8 u	13	14.47	9.60	4.87	NA
S-13	**11/17/2008**	**510**	**1,500 s**	**3.0**	**1.1**	**<1.0**	**4.2**	**NA**	**25**	**<2.0**	**<2.0**	**<2.0**	**13**	**14.47**	**9.24**	**5.23**	**NA**
S-14	11/16/1985	<250	400	3	<2	<2	<5	NA	NA	NA	NA	NA	NA	12.69	NA	NA	NA
S-14	1/3/1986	<250	NA	3	2	<2	<5	NA	NA	NA	NA	NA	NA	12.69	NA	NA	NA
S-14	4/22/1987	1,200	18,000	7.4	2.7	15	110	NA	NA	NA	NA	NA	NA	12.69	NA	NA	NA
S-14	7/7/1987	190	NA	6.5	0.6	1.9	26	NA	NA	NA	NA	NA	NA	12.69	10.32	2.37	NA
S-14	10/10/1987	4,900	21,000	7	1.2	<0.5	25	NA	NA	NA	NA	NA	NA	12.69	10.77	1.92	NA
S-14	2/11/1988	370	12,000 c	4.6	<2.5	<2.5	26	NA	NA	NA	NA	NA	NA	12.69	10.40	2.29	NA
S-14	5/10/1988	660	2,200 b	2.9	<2.5	<2.5	24	NA	NA	NA	NA	NA	NA	12.69	9.66	3.03	NA
S-14	8/31/1988	700	7,900	3.2	<2.5	<2.5	15	NA	NA	NA	NA	NA	NA	12.69	10.74	1.95	NA
S-14	12/3/1988	210	11,000 b	<0.5	<0.5	0.8	6.8	NA	NA	NA	NA	NA	NA	12.69	10.69	2.00	NA
S-14	2/16/1989	130 c	5,700 b	<0.5	<0.5	<0.5	4.4	NA	NA	NA	NA	NA	NA	12.69	9.69	3.00	NA
S-14	5/28/1989	770	5,200	<0.5	<0.5	<0.5	4.5	NA	NA	NA	NA	NA	NA	12.69	10.42	2.27	NA
S-14	8/10/1989	920	8,800	<1	<1	1.6	17	NA	NA	NA	NA	NA	NA	12.69	10.54	2.15	NA
S-14	11/11/1989	710	28,000	20	57	25	69	NA	NA	NA	NA	NA	NA	12.69	9.91	2.78	NA
S-14	2/21/1994	2,800	3,600	<5	<5	<5	14	NA	NA	NA	NA	NA	NA	12.69	9.30	3.09	NA
S-14	2/21/1994	2,300 d	3,600 e	<5.0	<5	<5	14	NA	NA	NA	NA	NA	NA	12.69	9.30	3.39	NA
S-14	5/16/1994	310	6,700	<2.5	<2.5	<2.5	3.1	NA	NA	NA	NA	NA	NA	12.69	9.54	3.15	NA
S-14	8/8/1994	480l	2,900	<0.5	0.6	<0.5	0.8	NA	NA	NA	NA	NA	NA	12.69	10.29	2.40	NA
S-14 (D)	8/8/1994	590l	2,900	<0.5	0.6	<0.5	1.5	NA	NA	NA	NA	NA	NA	12.69	10.29	2.40	NA
S-14	11/9/1994	170 i	6,400 g	0.7	<0.5	<0.5	2.7	NA	NA	NA	NA	NA	NA	12.69	9.52	3.07	NA
S-14	2/22/1995	550	7,000 g,h	<0.5	<0.5	<0.5	1.6	NA	NA	NA	NA	NA	NA	12.69	9.18	3.51	NA
S-14	5/2/1995	210	2,300	1	0.9	1.1	6.3	NA	NA	NA	NA	NA	NA	12.69	9.49	3.20	NA

WELL CONCENTRATIONS
Shell-Branded Service Station
1800 Powell Street
Emeryville, CA

Well ID	Date	TPPH (ug/L)	TEPH (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)	SPH Thickness (ft.)
S-14 (D)	5/2/1995	160	2,600	0.6	0.6	0.7	3.8	NA	NA	NA	NA	NA	NA	12.69	9.49	3.20	NA
S-14	8/24/1995	180	3,700	0.5	<0.5	<0.5	1.3	NA	NA	NA	NA	NA	NA	12.69	9.94	2.75	NA
S-14	12/8/1995	190	4,900	1	<0.5	0.6	4.6	NA	NA	NA	NA	NA	NA	12.69	10.65	2.04	NA
S-14	2/29/1996	200	11,000	<0.5	<0.5	<0.5	2	3	NA	NA	NA	NA	NA	12.69	8.90	3.79	NA
S-14	5/22/1996	93	3,800	<0.5	<0.5	<0.5	1.6	<2.5	NA	NA	NA	NA	NA	12.69	10.10	2.59	NA
S-14 (D)	5/22/1996	150	3,900	<0.5	<0.5	<0.5	1.8	<2.5	NA	NA	NA	NA	NA	12.69	10.10	2.59	NA
S-14	7/30/1996	<50	2,500	<0.5	<0.5	<0.5	0.89	<2.5	NA	NA	NA	NA	NA	12.69	10.37	2.32	NA
S-14	11/11/1996	2,600	27,000	<2.5	<2.5	<2.5	3.9	<12	NA	NA	NA	NA	NA	12.69	10.29	2.40	NA
S-14	11/3/1997	430	1,800	<0.50	<0.50	<0.50	1.7	<2.5	NA	NA	NA	NA	NA	12.69	9.52	3.17	NA
S-14	11/6/1998	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.69	NA	NA	NA
S-14	12/7/1999	970	5,920	1.0	1.1	0.59	3.5	2.6	NA	NA	NA	NA	NA	12.69	9.73	2.96	NA
S-14	11/2/2000	273	535,000	<0.500	<0.500	<0.500	1.59	<2.50	NA	NA	NA	NA	NA	12.69	9.98	2.71	NA
S-14	12/27/2001	68	20,000	<0.50	<0.50	<0.50	1.3	NA	<5.0	NA	NA	NA	NA	12.69	9.33	3.36	NA
S-14	11/26/2002	<50	2,400	<0.50	<0.50	<0.50	0.91	NA	<5.0	NA	NA	NA	NA	14.51	9.70	4.81	NA
S-14	11/25/2003	78 m	4,400 m	<0.50	<0.50	<0.50	1.2	NA	1.6	NA	NA	NA	NA	14.51	9.99	4.52	NA
S-14	11/10/2004	74 p	2,500 m	<0.50	<0.50	<0.50	<1.0	NA	1.9	NA	NA	NA	NA	14.51	10.05	4.46	NA
S-14	11/23/2005	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	1.02	<0.500	<0.500	<0.500	<10.0	14.51	9.92	4.59	NA
S-14	11/21/2006	62 q	5,000	<0.50 q	<0.50 q	<0.50 q	<1.0 q	NA	1.9 q	<2.0 q	<2.0 q	<2.0 q	<5.0 q	14.51	10.26	4.25	NA
S-14	11/14/2007	120 t	550 r,s	0.98	<1.0	<1.0	0.23 u	NA	2.2	<2.0	<2.0	<2.0	<10	14.51	9.63	4.88	NA
S-14	**11/17/2008**	**<50**	**1,700 s**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**1.4**	**<2.0**	**<2.0**	**<2.0**	**<10**	**14.51**	**9.25**	**5.26**	**NA**

WELL CONCENTRATIONS
Shell-Branded Service Station
1800 Powell Street
Emeryville, CA

Well ID	Date	TPPH (ug/L)	TEPH (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)	SPH Thickness (ft.)

Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B, prior to December 27, 2001, by EPA Method 8015.

TEPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015.

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to December 27, 2001, by EPA Method 8020.

MTBE = Methyl tertiary butyl ether

TOB = Top of Wellbox Elevation

TOC = Top of Casing Elevation

SPH = Separate-Phase Hydrocarbons

GW = Groundwater

ug/L = parts per billion

MSL = Mean sea level

ft. = Feet

<n = Below detection limit

(D) = Duplicate sample

NA = Not applicable

WELL CONCENTRATIONS
Shell-Branded Service Station
1800 Powell Street
Emeryville, CA

Well ID	Date	TPPH (ug/L)	TEPH (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)	SPH Thickness (ft.)

Notes:

a = Tar-like substance in well, probably from previous landfill activities; not gasoline.

b = Compounds detected within the chromatographic range appear to be weathered diesel.

c = Compounds detected within the chromatographic range of gasoline but not characteristic of the standard gasoline pattern.

d = The concentrations reported as gasoline for samples S-12 and S-14 are primarily due to the presence of a discrete peak.

e = The concentrations reported as diesel for samples S-12, S-13, and S-14 are due to the presence of a combination of diesel and a heavier petroleum product of hydrocarbon range C18 - C36, possibly motor oil.

f = The result for gasoline is an unknown hydrocarbon which consists of several peaks.

g = The positive result appears to be a heavier hydrocarbon than diesel.

h = Compounds detected within the chromatographic range of diesel appears to include gasoline compounds.

i = The positive result appears to be a heavier hydrocarbon than gasoline.

j = No MTBE could be determined due to co-elution with early eluting compounds.

k = This sample analyzed outside of EPA recommended holding time.

l = Reporting limit raised due to insufficient sample volume.

m = Hydrocarbon does not match pattern of laboratory's standard.

n = Top of casing altered +0.15 feet on August 2, 2004 due to wellhead maintenance.

o = Top of casing altered -0.18 feet on August 2, 2004 due to wellhead maintenance.

p = Quantity of unknown hydrocarbon(s) in sample based on gasoline.

q = The sample, as received, was not preserved in accordance to the referenced analytical method.

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

s = The sample extract was subjected to Silica Gel treatment prior to analysis.

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

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

Beginning November 26, 2002, depth to water referenced to Top of Casing Elevation.

Active wells surveyed February 12, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.

Calscience Environmental Laboratories, Inc.

December 02, 2008

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

Subject: **Calscience Work Order No.: 08-11-1686**
Client Reference: 1800 Powell St, Emeryville, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/19/2008 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,

Calscience Environmental
Laboratories, Inc.
Jessie Kim
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 11/19/08
Work Order No: 08-11-1686
Preparation: EPA 3510C
Method: EPA 8015B

Project: 1800 Powell St, Emeryville, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10	**08-11-1686-3-E**	**11/17/08 12:10**	**Aqueous**	**GC 47**	**11/21/08**	**11/25/08 11:51**	**081121B10**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	2000	100	2		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	114	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-12	**08-11-1686-4-E**	**11/17/08 10:20**	**Aqueous**	**GC 47**	**11/21/08**	**11/24/08 20:56**	**081121B10**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	2600	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	88	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-13	**08-11-1686-5-E**	**11/17/08 11:25**	**Aqueous**	**GC 47**	**11/21/08**	**11/24/08 21:13**	**081121B10**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	1500	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	117	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-14	**08-11-1686-6-E**	**11/17/08 13:20**	**Aqueous**	**GC 47**	**11/21/08**	**11/24/08 21:30**	**081121B10**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	1700	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	100	68-140	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 11/19/08
Work Order No: 08-11-1686
Preparation: EPA 3510C
Method: EPA 8015B

Project: 1800 Powell St, Emeryville, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-211-797**	**N/A**	**Aqueous**	**GC 47**	**11/21/08**	**11/24/08 18:03**	**081121B10**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	102	68-140	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	11/19/08
1680 Rogers Avenue		Work Order No:	08-11-1686
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	ug/L

Project: 1800 Powell St, Emeryville, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5	**08-11-1686-1-A**	**11/17/08 12:55**	**Aqueous**	**GC/MS T**	**11/25/08**	**11/25/08 18:49**	**081125L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	30	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	1.6	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
p/m-Xylene	2.6	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
o-Xylene	1.8	1.0	1		TPPH	810	50	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	104	74-140		1,2-Dichloroethane-d4	104	74-146	
Toluene-d8	104	88-112		Toluene-d8-TPPH	103	88-112	
1,4-Bromofluorobenzene	98	74-110					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-8	**08-11-1686-2-A**	**11/17/08 10:55**	**Aqueous**	**GC/MS T**	**11/25/08**	**11/25/08 19:20**	**081125L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	6.9	0.50	1		Tert-Butyl Alcohol (TBA)	23	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	1.8	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
p/m-Xylene	6.0	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
o-Xylene	2.0	1.0	1		TPPH	550	50	1	
Methyl-t-Butyl Ether (MTBE)	36	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	103	74-140		1,2-Dichloroethane-d4	103	74-146	
Toluene-d8	103	88-112		Toluene-d8-TPPH	101	88-112	
1,4-Bromofluorobenzene	97	74-110					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10	**08-11-1686-3-A**	**11/17/08 12:10**	**Aqueous**	**GC/MS WW**	**11/26/08**	**11/27/08 08:03**	**081126L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	7.3	0.50	1		Tert-Butyl Alcohol (TBA)	11	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	1.0	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
p/m-Xylene	5.2	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
o-Xylene	1.8	1.0	1		TPPH	630	50	1	
Methyl-t-Butyl Ether (MTBE)	32	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	74-140		1,2-Dichloroethane-d4	98	74-146	
Toluene-d8	97	88-112		Toluene-d8-TPPH	98	88-112	
1,4-Bromofluorobenzene	96	74-110					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	11/19/08
1680 Rogers Avenue		Work Order No:	08-11-1686
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	ug/L

Project: 1800 Powell St, Emeryville, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-12	**08-11-1686-4-A**	**11/17/08 10:20**	**Aqueous**	**GC/MS WW**	**11/26/08**	**11/27/08 08:31**	**081126L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	350	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
o-Xylene	ND	1.0	1		TPPH	390	50	1	
Methyl-t-Butyl Ether (MTBE)	44	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	74-140		1,2-Dichloroethane-d4	99	74-146	
Toluene-d8	98	88-112		Toluene-d8-TPPH	98	88-112	
1,4-Bromofluorobenzene	95	74-110					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-13	**08-11-1686-5-A**	**11/17/08 11:25**	**Aqueous**	**GC/MS WW**	**11/26/08**	**11/27/08 08:59**	**081126L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	3.0	0.50	1		Tert-Butyl Alcohol (TBA)	13	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	1.1	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
p/m-Xylene	3.0	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
o-Xylene	1.2	1.0	1		TPPH	510	50	1	
Methyl-t-Butyl Ether (MTBE)	25	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	74-140		1,2-Dichloroethane-d4	101	74-146	
Toluene-d8	97	88-112		Toluene-d8-TPPH	98	88-112	
1,4-Bromofluorobenzene	96	74-110					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-14	**08-11-1686-6-A**	**11/17/08 13:20**	**Aqueous**	**GC/MS T**	**11/26/08**	**11/26/08 19:18**	**081126L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
o-Xylene	ND	1.0	1		TPPH	ND	50	1	
Methyl-t-Butyl Ether (MTBE)	1.4	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	109	74-140		1,2-Dichloroethane-d4	108	74-146	
Toluene-d8	103	88-112		Toluene-d8-TPPH	102	88-112	
1,4-Bromofluorobenzene	96	74-110					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	11/19/08
1680 Rogers Avenue		Work Order No:	08-11-1686
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	ug/L

Project: 1800 Powell St, Emeryville, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-767-482**	**N/A**	**Aqueous**	**GC/MS T**	**11/25/08**	**11/25/08 14:15**	**081125L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
o-Xylene	ND	1.0	1		TPPH	ND	50	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	107	74-140		1,2-Dichloroethane-d4	109	74-146	
Toluene-d8	102	88-112		Toluene-d8-TPPH	100	88-112	
1,4-Bromofluorobenzene	96	74-110					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-767-497**	**N/A**	**Aqueous**	**GC/MS T**	**11/26/08**	**11/26/08 17:16**	**081126L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
o-Xylene	ND	1.0	1		TPPH	ND	50	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	108	74-140		1,2-Dichloroethane-d4	108	74-146	
Toluene-d8	104	88-112		Toluene-d8-TPPH	102	88-112	
1,4-Bromofluorobenzene	96	74-110					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-767-499**	**N/A**	**Aqueous**	**GC/MS WW**	**11/26/08**	**11/27/08 02:24**	**081126L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
o-Xylene	ND	1.0	1		TPPH	ND	50	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	97	74-140		1,2-Dichloroethane-d4	96	74-146	
Toluene-d8	98	88-112		Toluene-d8-TPPH	99	88-112	
1,4-Bromofluorobenzene	97	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: 11/19/08
Work Order No: 08-11-1686
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 1800 Powell St, Emeryville, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-11-1588-3	**Aqueous**	**GC/MS T**	**11/25/08**	**11/25/08**	**081125S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	88	89	88-118	1	0-7	
Carbon Tetrachloride	70	74	67-145	5	0-11	
Chlorobenzene	88	90	88-118	2	0-7	
1,2-Dibromoethane	90	93	70-130	4	0-30	
1,2-Dichlorobenzene	92	92	86-116	0	0-8	
1,1-Dichloroethene	82	81	70-130	1	0-25	
Ethylbenzene	90	91	70-130	1	0-30	
Toluene	88	90	87-123	2	0-8	
Trichloroethene	88	87	79-127	1	0-10	
Vinyl Chloride	78	80	69-129	2	0-13	
Methyl-t-Butyl Ether (MTBE)	92	98	71-131	6	0-13	
Tert-Butyl Alcohol (TBA)	71	81	36-168	13	0-45	
Diisopropyl Ether (DIPE)	96	91	81-123	6	0-9	
Ethyl-t-Butyl Ether (ETBE)	94	97	72-126	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	97	101	72-126	4	0-12	
Ethanol	75	83	53-149	10	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: 11/19/08
Work Order No: 08-11-1686
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 1800 Powell St, Emeryville, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-11-2005-2	**Aqueous**	**GC/MS T**	**11/26/08**	**11/26/08**	**081126S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	93	90	88-118	3	0-7	
Carbon Tetrachloride	73	74	67-145	3	0-11	
Chlorobenzene	93	91	88-118	2	0-7	
1,2-Dibromoethane	95	92	70-130	3	0-30	
1,2-Dichlorobenzene	95	93	86-116	3	0-8	
1,1-Dichloroethene	87	85	70-130	1	0-25	
Ethylbenzene	95	93	70-130	2	0-30	
Toluene	94	92	87-123	2	0-8	
Trichloroethene	92	90	79-127	2	0-10	
Vinyl Chloride	83	84	69-129	1	0-13	
Methyl-t-Butyl Ether (MTBE)	102	100	71-131	3	0-13	
Tert-Butyl Alcohol (TBA)	84	79	36-168	7	0-45	
Diisopropyl Ether (DIPE)	102	98	81-123	4	0-9	
Ethyl-t-Butyl Ether (ETBE)	103	99	72-126	4	0-12	
Tert-Amyl-Methyl Ether (TAME)	105	102	72-126	3	0-12	
Ethanol	79	75	53-149	6	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: 11/19/08
Work Order No: 08-11-1686
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 1800 Powell St, Emeryville, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-11-1764-4	**Aqueous**	**GC/MS WW**	**11/26/08**	**11/27/08**	**081126S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	91	87	88-118	4	0-7	3
Carbon Tetrachloride	82	79	67-145	3	0-11	
Chlorobenzene	93	91	88-118	2	0-7	
1,2-Dibromoethane	91	90	70-130	1	0-30	
1,2-Dichlorobenzene	90	88	86-116	3	0-8	
1,1-Dichloroethene	93	90	70-130	4	0-25	
Ethylbenzene	95	92	70-130	3	0-30	
Toluene	96	93	87-123	4	0-8	
Trichloroethene	94	90	79-127	5	0-10	
Vinyl Chloride	85	84	69-129	1	0-13	
Methyl-t-Butyl Ether (MTBE)	86	85	71-131	2	0-13	
Tert-Butyl Alcohol (TBA)	96	93	36-168	4	0-45	
Diisopropyl Ether (DIPE)	92	90	81-123	2	0-9	
Ethyl-t-Butyl Ether (ETBE)	83	82	72-126	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	79	78	72-126	1	0-12	
Ethanol	102	98	53-149	4	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc.	Date Received:	N/A
1680 Rogers Avenue	Work Order No:	08-11-1686
San Jose, CA 95112-1105	Preparation:	EPA 3510C
	Method:	EPA 8015B

Project: 1800 Powell St, Emeryville, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-211-797	**Aqueous**	**GC 47**	**11/21/08**	**11/24/08**	**081121B10**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	94	92	75-117	3	0-13	

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: 08-11-1686
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 1800 Powell St, Emeryville, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-482	**Aqueous**	**GC/MS T**	**11/25/08**	**11/25/08**	**081125L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	100	97	84-120	78-126	3	0-8	
Carbon Tetrachloride	82	86	63-147	49-161	5	0-10	
Chlorobenzene	101	98	89-119	84-124	4	0-7	
1,2-Dibromoethane	105	98	80-120	73-127	6	0-20	
1,2-Dichlorobenzene	101	98	89-119	84-124	2	0-9	
1,1-Dichloroethene	97	96	77-125	69-133	1	0-16	
Ethylbenzene	105	101	80-120	73-127	4	0-20	
Toluene	101	97	83-125	76-132	4	0-9	
Trichloroethene	105	102	89-119	84-124	2	0-8	
Vinyl Chloride	92	91	63-135	51-147	1	0-13	
Methyl-t-Butyl Ether (MTBE)	102	100	82-118	76-124	2	0-13	
Tert-Butyl Alcohol (TBA)	101	94	46-154	28-172	7	0-32	
Diisopropyl Ether (DIPE)	103	96	81-123	74-130	7	0-11	
Ethyl-t-Butyl Ether (ETBE)	101	99	74-122	66-130	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	106	100	76-124	68-132	6	0-10	
Ethanol	105	97	60-138	47-151	8	0-32	
TPPH	87	88	65-135	53-147	1	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: 08-11-1686
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 1800 Powell St, Emeryville, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-497	**Aqueous**	**GC/MS T**	**11/26/08**	**11/26/08**	**081126L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	92	91	84-120	78-126	1	0-8	
Carbon Tetrachloride	72	75	63-147	49-161	4	0-10	
Chlorobenzene	93	93	89-119	84-124	0	0-7	
1,2-Dibromoethane	96	95	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	91	91	89-119	84-124	0	0-9	
1,1-Dichloroethene	85	84	77-125	69-133	1	0-16	
Ethylbenzene	93	95	80-120	73-127	1	0-20	
Toluene	92	92	83-125	76-132	1	0-9	
Trichloroethene	93	95	89-119	84-124	2	0-8	
Vinyl Chloride	81	82	63-135	51-147	2	0-13	
Methyl-t-Butyl Ether (MTBE)	99	96	82-118	76-124	3	0-13	
Tert-Butyl Alcohol (TBA)	77	76	46-154	28-172	2	0-32	
Diisopropyl Ether (DIPE)	100	98	81-123	74-130	2	0-11	
Ethyl-t-Butyl Ether (ETBE)	100	97	74-122	66-130	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	104	102	76-124	68-132	3	0-10	
Ethanol	77	82	60-138	47-151	6	0-32	
TPPH	100	99	65-135	53-147	1	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.	Date Received: N/A
1680 Rogers Avenue	Work Order No: 08-11-1686
San Jose, CA 95112-1105	Preparation: EPA 5030B
	Method: LUFT GC/MS / EPA 8260B

Project: 1800 Powell St, Emeryville, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-499	**Aqueous**	**GC/MS WW**	**11/26/08**	**11/27/08**	**081126L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	89	88	84-120	78-126	2	0-8	
Carbon Tetrachloride	78	77	63-147	49-161	1	0-10	
Chlorobenzene	94	92	89-119	84-124	2	0-7	
1,2-Dibromoethane	99	94	80-120	73-127	5	0-20	
1,2-Dichlorobenzene	94	92	89-119	84-124	2	0-9	
1,1-Dichloroethene	90	86	77-125	69-133	4	0-16	
Ethylbenzene	93	91	80-120	73-127	2	0-20	
Toluene	94	93	83-125	76-132	1	0-9	
Trichloroethene	95	93	89-119	84-124	2	0-8	
Vinyl Chloride	86	80	63-135	51-147	8	0-13	
Methyl-t-Butyl Ether (MTBE)	93	89	82-118	76-124	5	0-13	
Tert-Butyl Alcohol (TBA)	111	91	46-154	28-172	19	0-32	
Diisopropyl Ether (DIPE)	98	93	81-123	74-130	5	0-11	
Ethyl-t-Butyl Ether (ETBE)	89	87	74-122	66-130	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	86	85	76-124	68-132	1	0-10	
Ethanol	111	99	60-138	47-151	11	0-32	
TPPH	83	79	65-135	53-147	5	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: 08-11-1686

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.

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
PO #:
INCIDENT # (ENV SERVICES): 98953449
SAP #:
☐ CHECK IF NO INCIDENT # APPLIES
DATE: 11/17/08
PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services	LOG CODE: BTSS	SITE ADDRESS: Street and City: 1800 Powell St., Emeryville	State: CA
GLOBAL ID NO: T0600101231			
ADDRESS: 1680 Rogers Ave, San Jose, CA 95112			
PROJECT CONTACT (Hardcopy or PDF Report to): Michael Ninokata		EDF DELIVERABLE TO (Name, Company, Office Location): Anni Kreml, CRA, Emeryville	PHONE NO: (510) 420-3335
E-MAIL: Shelledf@craworld.com	CONSULTANT PROJECT NO: 081117-W1		
TELEPHONE: (408)573-0555	FAX: (408)573-7771	E-MAIL: mninokata@blainetech.com	BTS #
SAMPLER NAME(S) (Print): Jose Ortiz	LAB USE ONLY: 11-1686		

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 :
Run TPH-d w/Silica Gel Clean Up

☐ 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 RECEI. C° / Container PID Readings or Laboratory Notes
1	S-5	11/17/08	1125	W	X					3	X		X	X										
2	S-8		1055		X					3	X		X	X										
	S-9				X																			
3	S-10		1210		X					5	X	X	X	X										2 VOA soda Amber
4	S-12		1020		X					5	X	X	X	X										" "
5	S-13		1125		X					5	X	X	X	X										" "
6	S-14		1320		X					5	X	X	X	X										" "

Relinquished by: (Signature)	Received by: (Signature)	Date: 11/17/08	Time: 18:00
Relinquished by: (Signature) (Sample Cust)	Received by: (Signature) CEC	Date: 11-18-08	Time: 1130
Relinquished by: (Signature) Tom O'Malley TO GSO 11/18/08 1730	Received by: (Signature) GSO	Date: 11/19/08	Time: 1030

GSO 5607624S8

05/2/06 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 08-11-1686

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Blaine Tech Services

DATE: 11/19/08

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

Temperature 2.0 °C - 0.2 °C (CF) = 1.8 °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:** NC

CUSTODY SEALS INTACT:

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

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

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	☑	☐	☐
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 sample label(s)	☑	☐	☐
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

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

Water: ☐VOA ☑VOAh (3) ☐$VOANa_2$ ☐125AGB ☐125AGBh ☐125AGBpo_4 ☐1AGB ☐1AGBna_2 ☐1AGBs ☑500AGB (2) ☐500AGBs ☐250CGB ☐250CGBs ☐1PB ☐500PB ☐500PBna ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PBsterile ☐100PBna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® ☐_____

Checked/Labeled by: YL

Container: C:Clear A:Amber P:Poly/Plastic G:Glass J:Jar B:Bottle

Reviewed by: [signature]

Preservative: h:HCL n:HNO_3 na_2:$Na_2S_2O_3$ na:NaOH po_4:H_3PO_4 s:H_2SO_4 znna:$ZnAc_2$+NaOH

Scanned by: YL

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 1800 Powell Emeryville CA Date 11/17/08

Job Number 081117-J01 Technician SD 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-5	X	X							
S-8	X	X							
S-9	X	X							
S-10	X	X							
S-12	X	X							
S-13	X	X							
S-14	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:

WELL GAUGING DATA

Project # 081117-107 Date 11/17/08 Client Shell

Site 1800 Powell Emeryville CA.

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
S-5		8					8.10	12.00		
S-8	936	3	odor				9.64	17.80		
S-9	923	3	Tar is	still	present.					
S-10	913	6	odor				10.03	19.33		
S-12	944	3					6.80	23.80		
S-13	917	3	odor				9.24	18.66		
S-14	941	3					9.25	22.90		

SHELL WELL MONITORING DATA SHEET

BTS #081117-SO1	Site: 98995349
Sampler: SO	Date: 11/17/08
Well I.D.: S-5	Well Diameter: 2 3 4 6 (8)
Total Well Depth (TD): 12.00	Depth to Water (DTW): 8.10
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 8.88	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; ✓ Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other

Sampling Method: ✓ Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing

$4^2 * 0.163 = 2.6$ Other: 8"

10.1 (Gals.) X 3 = 30 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
12.44	22.7	6.40	1748	33	10.1	
1246	22.1	6.37	1753	16	20.2	
1248	22.0	6.29	1775	16	30.3	

Did well dewater? Yes (No) Gallons actually evacuated: 30.3

Sampling Date: 11/17/08 Sampling Time: 1255 Depth to Water: 8.10

Sample I.D.: S-5 Laboratory: STL Other calscience

Analyzed for: TPH-G BTEX MTBE TPH-D Other: see coc

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

Analyzed for: TPH-G BTEX MTBE TPH-D 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 #: 081117-JO1	Site: 98995349
Sampler: JO	Date: 11/17/08
Well I.D.: S-8	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth (TD): 12.80	Depth to Water (DTW): 9.64
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]: 11.27	

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: _____

3.0 (Gals.) X 3 = 9.0 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1048	22.6	6.10	4749	1000<	~ 3	odor
1048	22.9	6.13	5101	874	6	↓
1049	23.0	6.19	5158	773	9	↓

30

Did well dewater? Yes (No) Gallons actually evacuated: 9

Sampling Date: 11/17/08 Sampling Time: 1055 Depth to Water: 10.18

Sample I.D.: S-8 Laboratory: STL Other Calscience

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

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

Analyzed for: TPH-G BTEX MTBE TPH-D 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 #: 081117-JD7	Site: 98995349
Sampler: JD	Date: 11/17/08
Well I.D.: S-10	Well Diameter: 2 3 4 (6) 8 ___
Total Well Depth (TD): 19.33	Depth to Water (DTW): 10.03
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]: 11.89	

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:_____

13.6 (Gals.) X	3	=	40.8 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1153	22.5	6.13	5080	27.	13.6	
1155	22.5	6.07	2907	~~283~~ 68.	27.2	
Dewatered	@	30 gallons				
1210	22.0	6.12	2898	+09 1000c	———	white chunks

Did well dewater? (Yes) No Gallons actually evacuated: 30.0

Sampling Date: 11/17/08 Sampling Time: 1210 Depth to Water:

Sample I.D.: S-10 Laboratory: STL Other Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D Other: see coc

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

Analyzed for: TPH-G BTEX MTBE TPH-D 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 #: 08117-001	Site: 98995349
Sampler: SD	Date: 11/17/08
Well I.D.: S-12	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth (TD): 23.80	Depth to Water (DTW): 6.80
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]: 10.2	

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: _____

6.3 (Gals.) X	3	=	18.9 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1009	21.2	6.16	1382	287	6.3	
1010	21.6	5.90	2763	468	12.6	
1012	21.4	5.92	2631	391	18.9	

Did well dewater? Yes (No) Gallons actually evacuated: 18.9

Sampling Date: 11/17/08 Sampling Time: Depth to Water:

Sample I.D.: S-12 Laboratory: STL Other Calscience

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

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

Analyzed for: TPH-G BTEX MTBE TPH-D 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 #: 081117-J01	Site: 98995349
Sampler: ~~S~~ ~~B~~ SO	Date: 11/17/08
Well I.D.: S-13	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth (TD): 18.66	Depth to Water (DTW): 9.74
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]: 11.12	

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: ____

3.5	(Gals.) X	3	=	10.5	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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1117	22.8	6.47	1073	1000 <	3.5	clouding
1118	22.8	6.50	1076	1000<	7	
1119	23.1	6.45	1091	1000<	10.5	

Did well dewater? Yes (No) Gallons actually evacuated: 10.5

Sampling Date: 11/17/08 Sampling Time: 1125 Depth to Water: 10.00

Sample I.D.: S-13 Laboratory: STL Other Calscience

Analyzed for: ~~TPH-G~~ ~~BTEX~~ MTBE TPH-D Other: 6 keys (5)

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

Analyzed for: TPH-G BTEX MTBE TPH-D 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 #: 081117-JO-1	Site: 98995349
Sampler: JO	Date: 11/17/08
Well I.D.: S-14	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth (TD): 22.90	Depth to Water (DTW): 9.25
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]: 11.98	

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:_____

5.0 (Gals.) X	3	=	15 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
1313	22.0	6.06	2834	31	5.0	
1314	22.0	6.07	3544	21	~~10.0~~ 10.0	
1315	21.6	6.01	3901	14	15	

Did well dewater? Yes (No) Gallons actually evacuated: 15

Sampling Date: 11/17/08 Sampling Time: 1320 Depth to Water: 10.59

Sample I.D.: S-14 Laboratory: STL Other calscience

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

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

Analyzed for: TPH-G BTEX MTBE TPH-D 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 REPAIR FORM
(FOR REPAIR TECHNICIAN)

Site Address: 1800 Powell St. Emeryville Date: 5-27-08

Job Number: 080527-EC4 Technician: EC 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: 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)	All Repairs Completed	Remaining Deficiencies Logged onto *BLAINE Repair Order*	Remaining Deficiencies Logged onto *Notice of Deficient Condition* - BLAINE Unable to Repair	Notes / Well box type / size / Materials used
5-5	X																			Notes: Well box type / size: EMCO 12" Materials used:
5-8				X			X										X			Notes: Well box type / size: EMCO 12" Materials used: 1 RS 2 bolts
5-9				X			X										X			Notes: apron severly cracked 7'-8' from pump island Well box type / size: EMCO 12" Materials used: 1 RS 2 bolts
5-10				X			X										X			Notes: Well box type / size: EMCO 12" Materials used: 1 RS 2 bolts
5-12				X			X										X			Notes: Well box type / size: Pemco 12" Materials used: 1 RS 2 bolts
5-13				X			X										X			Notes: Well box type / size: EMCO 12" Materials used: 1 RS 2 bolts
5-14	X																			Notes: Well box type / size: EMCO 8" Materials used:

SHELL SITE INSPECTION CHECKLIST

Client Shell Date 5-27-08

Site Address 1800 Powell St. Emeryville

Job Number 080527-EC4 Technician EC

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	☒ EC	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 Apron around S-9 severly cracked need 2nd Tech for fire watch.

PROJECT MANAGER ONLY

Checklist Reviewed VE (Initial/Date) Notes

SHELL WELLHEAD REPAIR FORM
(FOR REPAIR TECHNICIAN)

Job Number 080403-TM2

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: 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)	All Repairs Completed	Remaining Deficiencies Logged onto *BLAINE Repair Order*	Remaining Deficiencies Logged onto *Notice of Deficient Condition* - BLAINE Unable to Repair
S-12							x										x		
	Notes: 2/2 TABS STRIPPED																		
	Well box type / size: 12" MORRISON DUBUQUE										Materials used: 2 HELICOILS, 2 BOLTS								
	Notes:																		
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