CONESTOGA-ROVERS & ASSOCIATES

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

TRANSMITTAL

DATE: December 30, 2008

REFERENCE NO.: 241501

PROJECT NAME: 461 8th Street, Oakland

TO: Jerry Wickham
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502
83

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QUANTITY	DESCRIPTION
1	Groundwater Monitoring Report – Fourth Quarter 2008

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

COMMENTS:
If you have any questions regarding the contents of this document, please call Thomas Sparrowe at (510) 420-3316.

Denis Brown
A.F. Evans Co c/o Anye Spivey
Leroy Griffin
Wells Fargo Bank, NA Trustee of Havens, c/o John Ward
Leah Goldberg

Copy to: Grover Buhr (electronic only)

Completed by: Thomas Sparrowe [Please Print]

Signed: Thomas Sparrowe

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

Mr. Jerry Wickham
Alameda County Health Care Services Agendy
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94205-6577

Subject: Former Shell Service Station
461 8th Street
Oakland, California
SAP No. 129453
Incident No. 97093399
ACHCSA Case No. 0343

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.

As always, please feel free to contact me directly at (707) 865-0251 with any questions or concerns.

Sincerely,

Denis L. Brown
Project Manager

GROUNDWATER MONITORING REPORT - FOURTH QUARTER 2008

FORMER SHELL SERVICE STATION
461 8TH STREET
OAKLAND, CALIFORNIA

SAP CODE	129453
INCIDENT NO.	97093399
AGENCY NO.	0343

DECEMBER 30, 2008
REF. NO. 241501 (5)
This report is printed on recycled paper.

Prepared by:
Conestoga-Rovers & Associates

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Emeryville, California
U.S.A. 94608

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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	461 8th Street, Oakland
Site Use	Parking lot
Shell Project Manager	Denis Brown
CRA Project Manager	Tom Sparrowe
Lead Agency and Contact	ACHCSA, Jerry Wickham
Agency Case No.	0343
Shell SAP Code:	129453
Shell Incident No.	97093399

Date of most recent agency correspondence was November 24, 2008.

2.0 SITE ACTIVITIES, FINDINGS, AND DISCUSSION

2.1 CURRENT QUARTER'S ACTIVITIES

Blaine Tech Services, Inc. (Blaine) gauged and sampled 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). The Blaine report, presenting the analytical data, is included in Appendix A.

CRA initiated in-situ chemical oxidation (ISCO) injections at the site and modified the groundwater monitoring program in accordance with Alameda County Health Care Services Agency's (ACHCSA's) November 24, 2008 *Work Plan Addendum Approval* letter. Prior to chemical injection, we collected baseline groundwater samples from monitoring wells S-8, S-9, S-12, S-13, S-14R, S-19, S-21A, S-21B, S-22A, and S-22B and analyzed for the following parameters/compounds:

- TPHg, benzene, ethylbenzene, toluene, xylenes (BTEX) (EPA Method 8260B);
- Nitrate, sulfate, chloride, bromide (EPA Method 300 series);
- Total and Dissolved Metals
  - Ferrous and Ferric Iron (EPA Method 300 series);
  - Manganese (Mn), arsenic (As), nickel (Ni), total chromium (Cr), and chromium VI (EPA Method 6000/7000 series);
- Dissolved Oxygen (DO) (field instrument); and
- Oxygen Reduction Potential (ORP) (field instrument).

The first series of ISCO injections took place the week of December 5, 2008. Blaine gauged and resampled wells S-8, S-9, S-10, S-12, S-13, S-14R, S-19, S-21A, S-21B, S-22A, and S-22B for the same parameters referenced above on December 18, 2008. The results of the post ISCO injection sampling event will be presented in an ISCO pilot test report under separate cover.

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Southwesterly
Hydraulic Gradient	0.01
Depth to Water	16.81 to 24.85 feet below top of well casing

2.3 PROPOSED ACTIVITIES FOR NEXT QUARTER

We will perform groundwater sampling on a monthly basis beginning one month after the first injection event, and scheduled to occur just prior to each subsequent injection event. The monthly sampling events will continue for three months after the final injection. These sampling events will include purging and sampling of monitoring wells S-8, S-9, S-10, S-12, S-13, S-14R, S-19, S-20, S-21A, S-21B, S-22A, and S-22B for the same parameters referenced above in Section 2.1.

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

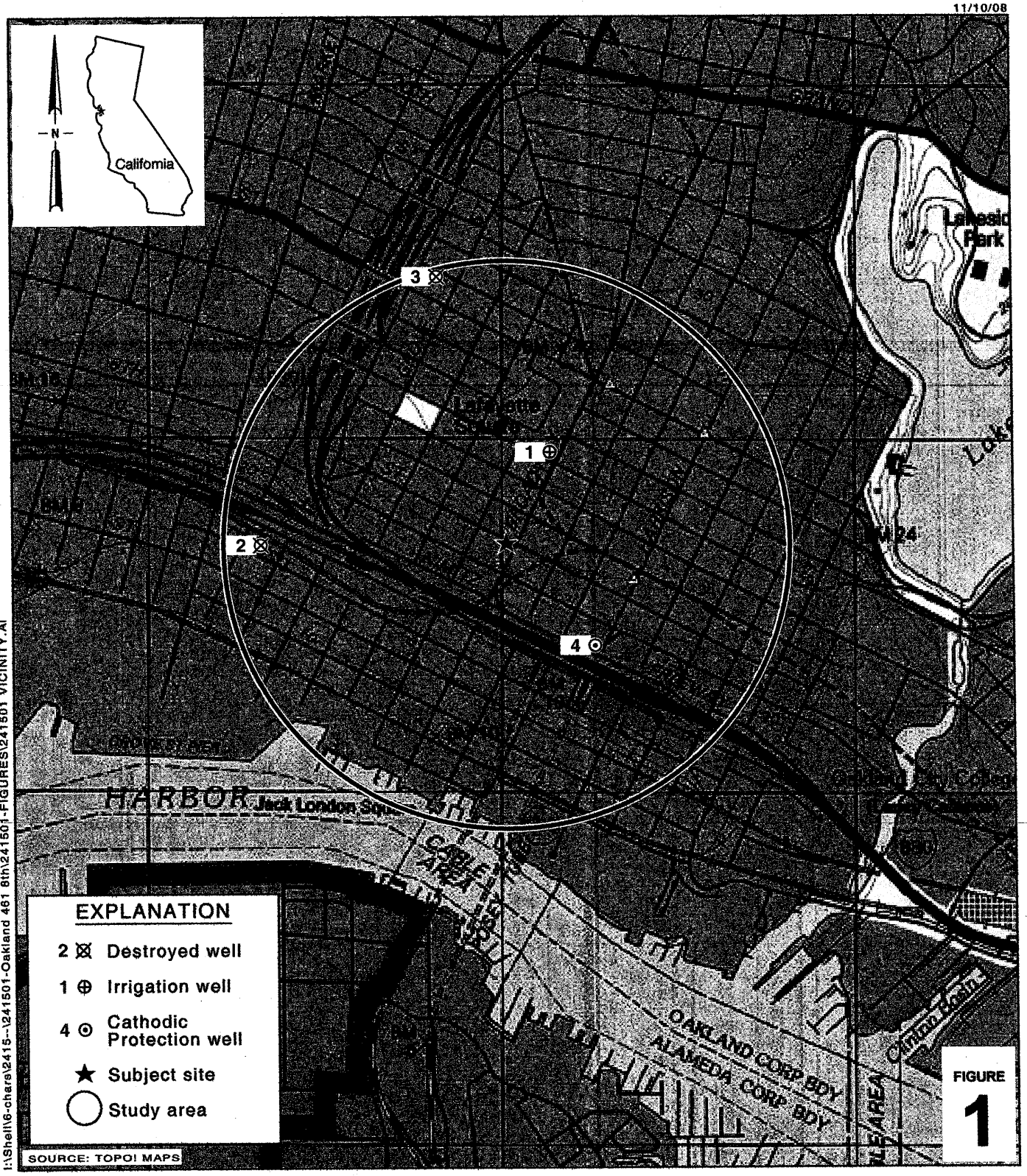
Thomas Sparrowe

Thomas Sparrowe, PG
Project Manager

Aubrey K. Cool, PG
Professional Geologist

FIGURES

11/10/08



I:\Shell\6-chars\2415--\241501-Oakland 461 8th\241501-FIGURES\241501 VICINITY.AI

FIGURE 1

Former Shell Service Station
461 8th Street
Oakland, California

Vicinity Map

CONESTOGA-ROVERS & ASSOCIATES

12/22/08

Groundwater Elevation and Chemical Concentration Map

November 11, 2008

EXPLANATION

- S-4 — Monitoring well location
- S-21B* — Deeper monitoring well location (not used in contouring)
- OW-1 — Observation well location
- S-1 — Destroyed well location
- Storm drain line
- Water line
- Sanitary sewer line
- Telecommunications line
- Gas line
- Electrical line
- M.H. — Manhole
- C.B. — Catch basin
- FL = 16.50' — Flow line depth below ground surface
- X.XX — 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
- TPHg / Benzene — TPHg and benzene concentrations are in micrograms per liter

Notes:
NA = Not available; well not surveyed
ND = Not detected
NS = Not sampled

8TH STREET

BROADWAY

7TH STREET

Building

Former Shell Station
461 8th St.

Former USTs

Former Dispenser Island (typ.)

Former Fuel Lines

Driveway

Freight Elevator

Well	ELEV	TPHg	Benzene
S-1			
S-10	13.27	NS	
S-22A	11.93	85,000	7,600
S-22B*	11.95	360	3.3
S-23	12.19	6,400	520
S-21A	11.95	87,000	6,300
S-21B*	11.99	7,500	67
S-8	12.48	480	29
S-16			
AS-1			
S-15			
OW-1			
S-14			
S-14R	12.06	4,300	270
S-12	11.59	65	8.1
S-17	11.79	32,000	2,500
S-13	11.56	4,400	560
S-18	11.74	43,000	3,900
S-20	11.60	16,000	1,100
S-9	11.80	550	74
S-19	11.91	2,300	110
S-5	NA	40,000	2,300
S-4	13.73	NS	
S-6	9.77	14,000	5,200

12.75

11.75

10.75

0 20 40 80
Scale (ft)

N

FIGURE
2

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Base map modified from 6-25-08 Virgil Chavez Land Survey map.

J:\Shell\6-chars\2415--\241501-Oakland 461 8th\241501-REPORTS\241501-RPT5-4q08\241501 4QM08-GW.DWG

APPENDIX A

BLAINE TECH SERVICES, INC. – GROUNDWATER MONITORING REPORT

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

December 9, 2008

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

Fourth Quarter 2008 Groundwater Monitoring at
Former Shell-branded Service Station
461 8th Street
Oakland, CA

Monitoring performed on November 7 and 11, 2008

Groundwater Monitoring Report **081111-IW-1**

This report covers the routine monitoring of groundwater wells at this former 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/jb

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

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

WELL CONCENTRATIONS
Former Shell Service Station
461 8th Street
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)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (mV)
S-4	10/26/1988	130	3.8	13	4.0	30	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA	NA	NA
S-4	02/14/1989	<50	0.5	<1	<1	3.0	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	12.82	80.69	NA	NA	NA
S-4	05/01/1989	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	16.48	77.03	NA	NA	NA
S-4	07/27/1989	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.84	77.67	NA	NA	NA
S-4	10/05/1989	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.98	77.53	NA	NA	NA
S-4	01/09/1990	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.86	77.65	NA	NA	NA
S-4	04/30/1990	<50	<0.5	<0.5	<0.5	<1	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	14.48	79.03	NA	NA	NA
S-4	07/31/1990	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA	NA	NA
S-4	10/30/1990	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA	NA	NA
S-4	05/06/1991	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.23	78.28	NA	NA	NA
S-4	06/27/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	13.54	79.97	NA	NA	NA
S-4	09/24/1991	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.85	77.66	NA	NA	NA
S-4	11/07/1991	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.60	77.91	NA	NA	NA
S-4	02/13/1992	<50	<0.5	<0.5	<0.5	3.0	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	14.27	79.24	NA	NA	NA
S-4	05/11/1992	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA	NA	NA
S-4	12/03/1992	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA	NA	NA
S-4	05/13/1993	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	14.81	78.70	NA	NA	NA
S-4	07/22/1993	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	14.42	79.09	NA	NA	NA
S-4	10/20/1993	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA	NA	NA
S-4	01/25/1994	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	14.60	78.91	NA	NA	NA
S-4	04/25/1994	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	14.39	79.12	NA	NA	NA
S-4	07/21/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	22.29	71.22	NA	NA	NA
S-4	10/24/1994	<500	<0.3	<0.3	<0.3	<0.6	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	22.72	70.79	NA	NA	NA
S-4	12/22/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	25.77*	22.25	3.52	NA	NA	NA
S-4	04/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	25.77	21.16	4.61	NA	NA	NA
S-4	10/04/1995	<50	1.2	0.7	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	25.77	22.25	3.52	NA	NA	NA
S-4	01/03/1996	<50	0.6	<0.5	<0.5	1.7	NA	NA	NA	NA	NA	NA	NA	NA	25.77	23.28	2.49	NA	NA	NA
S-4	04/11/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	25.77	21.58	4.19	NA	NA	NA
S-4	07/11/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	25.77	21.60	4.17	NA	NA	NA
S-4	10/02/1996	<50	<0.50	<0.50	<0.50	<0.50	2.6	NA	NA	NA	NA	NA	NA	NA	25.77	22.46	3.31	NA	NA	NA
S-4	01/22/1997	<50	0.73	<0.50	<0.50	0.63	<2.5	NA	NA	NA	NA	NA	NA	NA	25.77	20.06	5.71	NA	NA	NA
S-4	07/21/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	25.77	22.10	3.67	NA	NA	NA
S-4	01/22/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	25.77	20.50	5.27	NA	NA	NA
S-4	07/08/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	25.77	20.86	4.91	NA	NA	NA
S-4	10/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	21.41	4.36	NA	NA	NA
S-4	01/28/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	25.77	22.34	3.43	NA	NA	NA
S-4	04/23/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	21.43	4.34	NA	NA	NA

WELL CONCENTRATIONS
Former Shell Service Station
461 8th Street
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)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (mV)
S-4	07/29/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	NA	NA	25.77	21.45	4.32	NA	NA	NA
S-4	11/01/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	22.08	3.69	NA	NA	NA
S-4	01/07/2000	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	25.77	22.29	3.48	NA	NA	NA
S-4	04/11/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	21.11	4.66	NA	NA	NA
S-4	07/19/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	25.77	21.19	4.58	NA	NA	NA
S-4	10/12/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	22.22	3.55	NA	NA	NA
S-4	01/09/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	25.77	22.17	3.60	NA	NA	NA
S-4	04/06/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	21.50	4.27	NA	NA	NA
S-4	07/25/2001	<50	2.0	0.52	<0.50	1.0	NA	<5.0	NA	NA	NA	NA	NA	NA	25.77	21.50	4.27	NA	NA	NA
S-4	11/01/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	21.95	3.82	NA	NA	NA
S-4	01/17/2002 d	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	25.77	21.13	4.64	NA	NA	NA
S-4	05/08/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	21.35	4.42	NA	NA	NA
S-4	07/18/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	34.41	21.19	13.22	NA	NA	NA
S-4	10/15/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.42	12.99	NA	NA	NA
S-4	01/02/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	34.41	20.75	13.66	NA	NA	NA
S-4	04/15/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.08	13.33	NA	NA	NA
S-4	07/14/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	19.93	14.48	NA	NA	NA
S-4	10/20/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	19.56	14.85	NA	NA	NA
S-4	01/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	34.41	19.12	15.29	NA	NA	NA
S-4	04/19/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	19.15	15.26	NA	NA	NA
S-4	07/13/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	20.48	13.93	NA	NA	NA
S-4	10/28/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.00	13.41	NA	NA	NA
S-4	01/17/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	34.41	20.17	14.24	NA	NA	NA
S-4	04/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	19.82	14.59	NA	NA	NA
S-4	07/28/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	20.71	13.70	NA	NA	NA
S-4	10/05/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	20.85	13.56	NA	NA	NA
S-4	02/09/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	NA	NA	NA	34.41	19.47	14.94	NA	NA	NA
S-4	05/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	19.52	14.89	NA	NA	NA
S-4	08/23/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	20.75	13.66	NA	NA	NA
S-4	11/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	20.03	14.38	NA	NA	NA
S-4	01/30/2007	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	34.41	21.30	13.11	NA	NA	NA
S-4	05/29/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.15	13.26	NA	NA	NA
S-4	08/15/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.38	13.03	NA	NA	NA
S-4	11/28/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.55	12.86	NA	NA	NA
S-4	02/08/2008	64 h	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	34.41	22.75	11.66	NA	NA	NA
S-4	05/08/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	22.18	12.23	NA	NA	NA
S-4	08/14/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.77	12.64	NA	NA	NA

WELL CONCENTRATIONS
Former Shell Service Station
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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)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (mV)
S-4	11/11/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	20.68	13.73	NA	NA	NA
S-5	04/16/1987	130000	15000	16000	NA	14000 a	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	NA	NA	NA	NA	NA
S-5	10/26/1988	110000	20000	25000	2300	10000	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	NA	NA	NA	NA	NA
S-5	02/14/1989	94000	16000	21000	1800	10000	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	19.87	79.49	NA	NA	NA
S-5	05/01/1989	120000	29000	35000	3100	15000	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.23	78.13	NA	NA	NA
S-5	07/27/1989	110000	20000	29000	2400	14000	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.41	78.95	NA	NA	NA
S-5	10/05/1989	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.43	78.94	0.01	NA	NA
S-5	01/09/1990	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.16	78.21	0.01	NA	NA
S-5	04/30/1990	100000	13000	22000	2100	11000	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.96	78.40	NA	NA	NA
S-5	07/31/1990	53000	8300	14000	1200	7400	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.88	78.48	NA	NA	NA
S-5	10/30/1990	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.96	77.42	0.03	NA	NA
S-5	05/06/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	23.00	76.46	0.13	NA	NA
S-5	06/27/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.53	78.85	0.03	NA	NA
S-5	09/24/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.40	78.01	0.06	NA	NA
S-5	11/07/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.33	78.23	0.25	NA	NA
S-5	02/13/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.52	77.09	0.31	NA	NA
S-5	05/11/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.46	77.36	0.58	NA	NA
S-5	12/03/1992	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	NA	NA	NA	NA	NA
S-5	05/13/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.22	77.36	0.27	NA	NA
S-5	07/22/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.68	77.88	0.25	NA	NA
S-5	10/20/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.51	79.03	0.23	NA	NA
S-5	01/25/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.93	77.57	0.18	NA	NA
S-5	04/25/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.97	77.67	0.35	NA	NA
S-5	05/26/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.84	78.80	0.35	NA	NA
S-5	06/10/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.01	78.61	0.32	NA	NA
S-5	07/21/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.18	77.56	0.47	NA	NA
S-5	08/25/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.01	77.70	0.44	NA	NA
S-5	09/22/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.00	77.48	0.15	NA	NA
S-5	10/24/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.28	77.53	0.56	NA	NA
S-5	12/22/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94*	22.88	0.85	0.99	NA	NA
S-5	04/20/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	21.66	1.54	0.33	NA	NA
S-5	10/04/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	22.18	0.76	NA	NA	NA
S-5	01/03/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	22.80	0.80	0.83	NA	NA
S-5	04/11/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	21.15	2.33	0.67	NA	NA
S-5	07/11/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	22.62	1.04	0.90	NA	NA
S-5	10/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	23.07	0.38	0.64	NA	NA

WELL CONCENTRATIONS
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S-5	01/22/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	20.83	2.24	0.16	NA	NA
S-5	07/21/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	21.16	1.82	0.05	NA	NA
S-5	01/22/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	20.04	2.93	0.04	NA	NA
S-5	07/08/1998	220	14	40	5.8	34	3.3	NA	NA	NA	NA	NA	NA	NA	22.94	18.61	4.33	NA	NA	NA
S-5	10/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	17.31	5.63	NA	NA	NA
S-5	01/28/1999	51000	13000	1200	1200	2400	2400	NA	NA	NA	NA	NA	NA	NA	22.94	20.11	2.83	NA	NA	NA
S-5	04/23/1999	65600	2540	7300	1790	9840	<1000	NA	NA	NA	NA	NA	NA	NA	22.94	19.21	3.73	NA	NA	NA
S-5	07/29/1999	61400	3320	6980	1520	7700	<1000	NA	NA	NA	NA	NA	NA	NA	22.94	14.77	8.17	NA	NA	NA
S-5	11/01/1999	48200	2700	5740	1290	7850	<500	<40.0	NA	NA	NA	NA	NA	NA	22.94	15.56	7.38	NA	NA	NA
S-5	01/07/2000	39000	3900	8500	790	8300	1500	NA	NA	NA	NA	NA	NA	NA	22.94	15.82	7.12	NA	NA	NA
S-5	04/11/2000	29300	1680	5060	1130	6220	<250	NA	NA	NA	NA	NA	NA	NA	22.94	18.19	4.75	NA	NA	NA
S-5	07/19/2000	6420	2110	207	252	681	355	253 b	NA	NA	NA	NA	NA	NA	22.94	19.01	3.93	NA	NA	NA
S-5	10/12/2000	41500	2940	4940	1520	7770	<250	<66.7	NA	NA	NA	NA	NA	NA	22.94	19.62	3.32	NA	NA	NA
S-5	01/09/2001	142000	7030	9550	2340	12600	779	NA	NA	NA	NA	NA	NA	NA	22.94	19.94	3.00	NA	NA	NA
S-5	04/06/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	NA	NA	NA	NA	NA
S-5	04/13/2001	59800	4810	10800	1950	10100	842	<10.0	NA	NA	NA	NA	NA	NA	22.94	14.72	8.22	NA	NA	NA
S-5	07/25/2001	71000	2900	6800	1700	9100	NA	<250	NA	NA	NA	NA	NA	NA	22.94	14.91	8.03	NA	NA	NA
S-5	08/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	19.43	3.51	NA	NA	NA
S-5	11/01/2001	Unable to locate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	NA	NA	NA	NA	NA
S-5	01/17/2002 d	58000	460	3300	1900	8400	NA	<200	NA	NA	NA	NA	NA	NA	c	14.27	NA	NA	NA	NA
S-5	05/08/2002 d	60000	650	2700	1800	8800	NA	<100	NA	NA	NA	NA	NA	NA	22.94	18.40	4.54	NA	NA	NA
S-5	07/18/2002	53000	240	1200	1500	6400	NA	<100	NA	NA	NA	NA	NA	NA	27.36	14.25	13.11	NA	NA	NA
S-5	10/15/2002	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	27.36	NA	NA	NA	NA	NA
S-5	10/17/2002	42000	420	1100	1200	5500	NA	<10	NA	NA	NA	NA	NA	NA	27.36	14.90	12.46	NA	NA	NA
S-5	01/02/2003	26000	680	1500	780	3800	NA	<5.0	NA	NA	NA	NA	NA	NA	27.36	14.72	12.64	NA	NA	NA
S-5	04/15/2003	3600	29	38	65	370	NA	<5.0	NA	NA	NA	NA	NA	NA	e	14.45	NA	NA	NA	NA
S-5	07/14/2003	21000	210	460	650	2900	NA	<10	NA	NA	NA	NA	NA	NA	e	14.10	NA	NA	NA	NA
S-5	10/20/2003	37000	390	590	870	3500	NA	<13	NA	NA	NA	NA	NA	NA	e	14.63	NA	NA	NA	NA
S-5	01/22/2004	29000	200	210	710	2400	NA	<13	NA	NA	NA	NA	NA	NA	e	14.08	NA	NA	NA	NA
S-5	04/19/2004	25000	490	460	750	2400	NA	19	NA	NA	NA	NA	NA	NA	e	13.43	NA	NA	NA	NA
S-5	07/13/2004	28000	300	280	690	2400	NA	<13	NA	NA	NA	NA	NA	NA	e	14.88	NA	NA	NA	NA
S-5	08/14/2008	31,000	1,700	1,600	1,400	3,350	NA	<10	NA	NA	NA	NA	<5.0	<10	e	16.65	NA	NA	NA	NA
S-5	**11/11/2008 k**	**37,000**	**2,500**	**1,300**	**2,000**	**3,490**	**NA**	**<50**	**NA**	**NA**	**NA**	**NA**	**<25**	**<50**	**e**	**16.81**	**NA**	**NA**	**NA**	**NA**
S-5	**11/11/2008 l**	**40,000**	**2,300**	**1,400**	**1,900**	**3,630**	**NA**	**<50**	**NA**	**NA**	**NA**	**NA**	**<25**	**<50**	**e**	**16.81**	**NA**	**NA**	**NA**	**NA**
S-6	04/16/1987	81000	16000	9000	NA	6400 a	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	NA	NA	NA	NA	NA
S-6	10/26/1988	110000	29000	18000	2500	8200	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	NA	NA	NA	NA	NA

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S-6	02/14/1989	54000	18000	4500	1400	4000	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	20.87	79.71	NA	NA	NA
S-6	05/01/1989	93000	43000	9900	3000	8000	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	20.49	80.09	NA	NA	NA
S-6	07/27/1989	52000	20000	3200	1700	5500	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.01	79.57	NA	NA	NA
S-6	10/05/1989	55000	20000	2900	1600	5500	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.24	79.34	NA	NA	NA
S-6	01/09/1990	76000	35000	9100	2300	8600	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.62	77.96	SHEEN	NA	NA
S-6	04/30/1990	39000	13000	2300	900	2800	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.10	78.48	NA	NA	NA
S-6	07/31/1990	48000	20000	4600	1500	4900	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.00	78.58	NA	NA	NA
S-6	10/30/1990	27000	7400	900	600	1400	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.14	78.44	NA	NA	NA
S-6	05/06/1991	35000	3900	2700	2300	3500	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.40	78.18	NA	NA	NA
S-6	06/27/1991	51000	19000	5600	1700	6300	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.21	79.37	NA	NA	NA
S-6	09/24/1991	42000	14000	4300	1200	4000	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.26	78.32	NA	NA	NA
S-6	11/07/1991	39000	11000	2000	800	2300	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.35	78.23	NA	NA	NA
S-6	02/13/1992	64000	21000	6200	1600	5100	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.28	78.30	NA	NA	NA
S-6	05/11/1992	57000	22000	7600	2200	7700	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.10	78.48	NA	NA	NA
S-6	12/03/1992	110000	26000	9400	2100	8700	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.14	78.44	NA	NA	NA
S-6	05/13/1993	58000	21000	6800	2500	9800	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.16	78.42	NA	NA	NA
S-6	07/22/1993	70000	31000	14000	3000	13000	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.64	78.94	NA	NA	NA
S-6	10/20/1993	48000	28000	9800	3200	12000	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.62	78.96	NA	NA	NA
S-6	01/25/1994	70000	23000	7500	2500	8000	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.80	78.78	NA	NA	NA
S-6	04/25/1994	61000	16000	4000	1800	5100	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.68	78.90	NA	NA	NA
S-6	07/21/1994	44000	8200	3600	1400	3900	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.78	78.80	NA	NA	NA
S-6 (D)	07/21/1994	32000	7800	3400	1300	3700	NA	NA	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA	NA	NA
S-6	10/24/1994	2936	1184	440.6	163	648.4	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.06	78.52	NA	NA	NA
S-6 (D)	10/24/1994	2968	770.8	325.3	144	622	NA	NA	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA	NA	NA
S-6	12/22/1994	32000	7000	2900	790	2400	NA	NA	NA	NA	NA	NA	NA	NA	22.08*	21.91	0.17	NA	NA	NA
S-6 (D)	12/22/1994	32000	8000	3800	1100	3400	NA	NA	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA	NA	NA
S-6	04/20/1995	56000	15000	3800	1900	4900	NA	NA	NA	NA	NA	NA	NA	NA	22.08	21.38	0.70	NA	NA	NA
S-6 (D)	04/20/1995	49000	13000	3500	1800	4700	NA	NA	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA	NA	NA
S-6	10/04/1995	49000	8400	4700	1800	4800	NA	NA	NA	NA	NA	NA	NA	NA	22.08	21.80	0.28	NA	NA	NA
S-6 (D)	10/04/1995	41000	8400	4100	1400	4400	NA	NA	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA	NA	NA
S-6	01/03/1996	52000	9100	7100	1800	5800	NA	NA	NA	NA	NA	NA	NA	NA	22.08	21.70	0.38	NA	NA	NA
S-6	04/11/1996	59000	11000	7100	2100	6400	<500	NA	NA	NA	NA	NA	NA	NA	22.08	21.62	0.46	NA	NA	NA
S-6 (D)	04/11/1996	59000	11000	6800	1900	6400	<500	NA	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA	NA	NA
S-6	07/11/1996	72000	18000	6600	2500	8400	<1000	NA	NA	NA	NA	NA	NA	NA	22.08	21.65	2.78	NA	NA	NA
S-6	10/02/1996	57000	11000	6500	1500	5100	<500	NA	NA	NA	NA	NA	NA	NA	22.08	21.80	2.63	NA	NA	NA
S-6	01/22/1997	67000	15000	5000	1800	5400	<1000	NA	NA	NA	NA	NA	NA	NA	22.08	19.95	2.13	NA	NA	NA
S-6 (D)	01/22/1997	63000	15000	4800	1800	5200	<1000	NA	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA	NA	NA

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S-6	07/21/1997	61000	15000	2100	1100	3500	1900	NA	NA	NA	NA	NA	NA	NA	22.08	20.61	1.47	NA	NA	NA
S-6	01/22/1998	46000	14000	3200	1300	3400	<500	NA	NA	NA	NA	NA	NA	NA	22.08	19.82	2.26	NA	NA	NA
S-6	07/08/1998	74000	26000	7500	2200	6200	<1000	NA	NA	NA	NA	NA	NA	NA	22.08	18.20	3.88	NA	NA	NA
S-6	10/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.08	18.81	3.27	NA	NA	NA
S-6	01/28/1999	120000	9000	14000	2700	14000	3700	NA	NA	NA	NA	NA	NA	NA	22.08	19.73	2.35	NA	NA	NA
S-6	04/23/1999	58500	15900	1360	1640	3030	<2500	NA	NA	NA	NA	NA	NA	NA	22.08	17.58	4.50	NA	NA	NA
S-6	07/29/1999	36200	10300	760	930	1360	<1000	NA	NA	NA	NA	NA	NA	NA	22.08	21.35	0.73	NA	NA	NA
S-6	11/01/1999	36000	11700	767	865	1670	<1250	<40.0	NA	NA	NA	NA	NA	NA	22.08	19.23	2.85	NA	NA	NA
S-6	01/07/2000	36000	7600	4600	840	3600	<1000	NA	NA	NA	NA	NA	NA	NA	22.08	19.53	2.55	NA	NA	NA
S-6	04/11/2000	14600	7540	205	306	609	621	NA	NA	NA	NA	NA	NA	NA	22.08	18.16	3.92	NA	NA	NA
S-6	07/19/2000	2590	629	63.9	99.6	267	124	72.7 b	NA	NA	NA	NA	NA	NA	22.08	18.40	3.68	NA	NA	NA
S-6	10/12/2000	32900	14200	966	1060	1790	<500	<100	NA	NA	NA	NA	NA	NA	22.08	19.52	2.56	NA	NA	NA
S-6	01/09/2001	27600	11200	675	666	1580	1430	<10.0 b	NA	NA	NA	NA	NA	NA	22.08	19.69	2.39	NA	NA	NA
S-6	02/05/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.08	19.20	2.88	NA	NA	NA
S-6	04/06/2001	16900	7800	343	172	966	809	<20.0	NA	NA	NA	NA	NA	NA	22.08	18.25	3.83	NA	NA	NA
S-6	07/25/2001	29000	9800	1700	1000	1800	NA	<250	NA	NA	NA	NA	NA	NA	22.08	18.27	3.81	NA	NA	NA
S-6	11/01/2001	41000	15000	2400	1100	2500	NA	<500	NA	NA	NA	NA	NA	NA	22.08	19.30	2.78	NA	NA	NA
S-6	01/17/2002 d	38000	11000	1700	990	2200	NA	<500	NA	NA	NA	NA	NA	NA	22.08	18.51	3.57	NA	NA	NA
S-6	05/08/2002	72000	21000	4400	2200	5300	NA	<1000	NA	NA	NA	NA	NA	NA	22.08	18.30	3.78	NA	NA	NA
S-6	07/18/2002	71000	17000	4300	1700	4800	NA	<1000	NA	NA	NA	NA	NA	NA	30.56	18.19	12.37	NA	NA	NA
S-6	10/15/2002	55000	16000	4600	1500	4600	NA	<100	NA	NA	NA	NA	NA	NA	30.56	18.77	11.79	NA	NA	NA
S-6	01/02/2003	75000	21000	5000	2400	6400	NA	<50	NA	NA	NA	NA	NA	NA	30.56	18.60	11.96	NA	NA	NA
S-6	04/15/2003	64000	29000	6400	2700	5600	NA	<1000	NA	NA	NA	NA	NA	NA	30.56	18.27	12.29	NA	NA	NA
S-6	07/14/2003	47000	19000	4300	1500	4300	NA	<100	NA	NA	NA	NA	NA	NA	30.56	18.05	12.51	NA	NA	NA
S-6	10/20/2003	63000	21000	5800	1900	5200	NA	<130	NA	NA	NA	NA	NA	NA	30.56	18.55	12.01	f	NA	NA
S-6	01/22/2004	41000	21000	4300	1800	4000	NA	<130	NA	NA	NA	NA	NA	NA	30.56	18.18	12.38	f	NA	NA
S-6	04/19/2004	58000	23000	4200	2200	3900	NA	<130	NA	NA	NA	NA	NA	NA	30.56	17.32	13.24	NA	NA	NA
S-6	05/03/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.56	17.30	13.26	NA	NA	NA
S-6	06/17/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.56	17.70	12.86	NA	NA	NA
S-6	07/13/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.56	17.85	12.71	NA	NA	NA
S-6	10/28/2004 g	45000	21000	3600	1700	3300	NA	<130	NA	NA	NA	NA	NA	NA	30.56	18.45	12.11	NA	NA	NA
S-6	01/17/2005	61000	21000	3500	1600	3200	NA	<130	NA	NA	NA	NA	NA	NA	30.56	17.52	13.04	NA	NA	NA
S-6	04/14/2005	36000	12000	6200	850	4800	NA	<50	NA	NA	NA	NA	NA	NA	30.56	22.49	8.07	NA	NA	NA
S-6	07/28/2005	54000	16000	9100	1800	5900	NA	<130	NA	NA	NA	NA	NA	NA	30.56	19.38	11.18	NA	NA	NA
S-6	10/05/2005	59000	14000	7500	1400	5000	NA	<50	NA	NA	NA	NA	NA	NA	30.56	18.32	12.24	NA	NA	NA
S-6	02/09/2006	41100	7060	3900	673	2380	NA	<0.500	NA	NA	NA	NA	NA	NA	30.56	17.11	13.45	NA	NA	NA
S-6	05/15/2006	188000	24800	20700	2540	12400	NA	<25.0	NA	NA	NA	NA	NA	NA	30.56	19.80	10.76	NA	NA	NA

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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)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (mV)
S-6	08/23/2006	133000	24900	16100	2280	10500	NA	<0.500	NA	NA	NA	NA	NA	NA	30.56	20.45	10.11	NA	NA	NA
S-6	11/15/2006	66000	19000	8400	1900	7400	NA	<400	NA	NA	NA	NA	NA	NA	30.56	20.41	10.15	NA	NA	NA
S-6	01/30/2007	88000	18000	9600	1900	7200	NA	<100	NA	NA	NA	NA	NA	NA	30.56	20.47	10.09	NA	NA	NA
S-6	05/29/2007	56000 h	17000	6700	1700	5400	NA	<20	NA	NA	NA	NA	NA	NA	30.56	20.40	10.16	NA	NA	NA
S-6	08/15/2007	57000 h,i	15000	6800	1600	6100	NA	<100	NA	NA	NA	NA	NA	NA	30.56	20.49	10.07	NA	NA	NA
S-6	11/28/2007	42000 h	13000	5000	1300	5000	NA	<100	NA	NA	NA	NA	NA	NA	30.56	20.65	9.91	NA	NA	NA
S-6	02/08/2008	35000 h	12000	5000	1200	4050	NA	<100	NA	NA	NA	NA	<50	<100	30.56	20.31	10.25	NA	NA	NA
S-6	05/08/2008	45000 h	15000	6100	1400	5000	NA	<100	NA	NA	NA	NA	<50	<100	30.56	20.63	9.93	NA	NA	NA
S-6	08/14/2008	37,000	11,000	5,200	1,200	4,600	NA	<100	NA	NA	NA	NA	<50	<100	30.56	20.65	9.91	NA	NA	NA
S-6	**11/11/2008 k**	**37,000**	**15,000**	**6,200**	**1,200**	**3,390**	**NA**	**<10**	**NA**	**NA**	**NA**	**NA**	**<5.0**	**<10**	**30.56**	**20.79**	**9.77**	**NA**	**NA**	**NA**
S-6	**11/11/2008 l**	**14,000**	**5,200**	**680**	**400**	**1,060**	**NA**	**<50**	**NA**	**NA**	**NA**	**NA**	**<25**	**<50**	**30.56**	**20.79**	**9.77**	**NA**	**NA**	**NA**
S-8	12/22/1994	600	120	32	5.2	34	NA	NA	NA	NA	NA	NA	NA	NA	27.21	24.87	2.34	NA	NA	NA
S-8	04/20/1995	460	180	23	5.2	21	NA	NA	NA	NA	NA	NA	NA	NA	27.21	23.90	3.31	NA	NA	NA
S-8	10/04/1995	830	210	38	11	42	NA	NA	NA	NA	NA	NA	NA	NA	27.21	24.48	2.73	NA	NA	NA
S-8	01/03/1996	350	61	12	2.5	12	NA	NA	NA	NA	NA	NA	NA	NA	27.21	24.62	2.59	NA	NA	NA
S-8 (D)	01/03/1996	340	54	12	2.4	12	NA	NA	NA	NA	NA	NA	NA	NA	27.21	NA	NA	NA	NA	NA
S-8	04/11/1996	570	140	37	12	47	<6.2	NA	NA	NA	NA	NA	NA	NA	27.21	24.32	2.89	NA	NA	NA
S-8	07/11/1996	980	98	32	9.1	160	<12	NA	NA	NA	NA	NA	NA	NA	27.21	24.10	3.11	NA	NA	NA
S-8	10/02/1996	280	62	13	3.3	25	15	NA	NA	NA	NA	NA	NA	NA	27.21	25.38	1.83	NA	NA	NA
S-8 (D)	10/02/1996	490	110	24	7.0	45	22	<2.0	NA	NA	NA	NA	NA	NA	27.21	NA	NA	NA	NA	NA
S-8	01/22/1997	400	90	13	4.9	25	12	NA	NA	NA	NA	NA	NA	NA	27.21	23.91	3.30	NA	NA	NA
S-8	07/21/1997	2900	380	110	26	260	85	NA	NA	NA	NA	NA	NA	NA	27.21	23.62	3.59	NA	NA	NA
S-8 (D)	07/21/1997	3200	420	120	32	300	130	NA	NA	NA	NA	NA	NA	NA	27.21	NA	NA	NA	NA	NA
S-8	01/22/1998	3800	790	140	42	330	160	NA	NA	NA	NA	NA	NA	NA	27.21	23.52	3.69	NA	NA	NA
S-8 (D)	01/22/1998	3500	780	120	33	300	160	NA	NA	NA	NA	NA	NA	NA	27.21	NA	NA	NA	NA	NA
S-8	07/08/1998	3600	1800	<25	<25	<25	<125	NA	NA	NA	NA	NA	NA	NA	27.21	21.52	5.69	NA	NA	NA
S-8 (D)	07/08/1998	4000	1800	<25	<25	31	<125	NA	NA	NA	NA	NA	NA	NA	27.21	NA	NA	NA	NA	NA
S-8	10/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	27.21	22.01	5.20	NA	NA	NA
S-8	01/28/1999	2000	630	6.2	24	51	43	NA	NA	NA	NA	NA	NA	NA	27.21	23.03	4.18	NA	NA	NA
S-8	04/23/1999	1050	408	<5.00	<5.00	6.65	<50.0	NA	NA	NA	NA	NA	NA	NA	27.21	22.15	5.06	NA	NA	NA
S-8	07/29/1999	955	344	<2.50	6.90	16.2	<25.0	NA	NA	NA	NA	NA	NA	NA	27.21	21.95	5.26	NA	NA	NA
S-8	11/01/1999	1800	550	6.45	15	40.4	<50.0	NA	NA	NA	NA	NA	NA	NA	27.21	22.55	4.66	NA	NA	NA
S-8	01/07/2000	1300	600	11	29	48	<13	NA	NA	NA	NA	NA	NA	NA	27.21	22.87	4.34	NA	NA	NA
S-8	04/11/2000	342	101	4.42	4.24	14.7	21.4	NA	NA	NA	NA	NA	NA	NA	27.21	21.86	5.35	NA	NA	NA
S-8	07/19/2000	579	228	6.37	6.45	25.0	<12.5	NA	NA	NA	NA	NA	NA	NA	27.21	21.93	5.28	NA	NA	NA
S-8	10/12/2000	947	340	8.64	3.26	38.3	<12.5	<2.00	NA	NA	NA	NA	NA	NA	27.21	22.92	4.29	NA	NA	NA

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S-8	01/09/2001	1090	394	<10.0	<10.0	33.3	57.6	NA	NA	NA	NA	NA	NA	NA	27.21	23.19	4.02	NA	NA	NA
S-8	04/06/2001	671	182	12.5	16.4	47.1	42.5	NA	NA	NA	NA	NA	NA	NA	27.21	22.46	4.75	NA	NA	NA
S-8	07/25/2001	500	70	6.7	11	23	NA	<5.0	NA	NA	NA	NA	NA	NA	27.21	22.50	4.71	NA	NA	NA
S-8	11/01/2001	1900	250	28	39	180	NA	<5.0	NA	NA	NA	NA	NA	NA	27.21	22.44	4.77	NA	NA	NA
S-8	01/17/2002 d	830	140	11	12	89	NA	<5.0	NA	NA	NA	NA	NA	NA	27.21	21.82	5.39	NA	NA	NA
S-8	05/08/2002 d	210	34	1.7	4.1	15	NA	<5.0	NA	NA	NA	NA	NA	NA	27.21	21.35	5.86	NA	NA	NA
S-8	07/18/2002	650	68	2.8	9.7	42	NA	<5.0	NA	NA	NA	NA	NA	NA	35.85	21.53	14.32	NA	NA	NA
S-8	10/15/2002	1000	160	4.2	7.7	74	NA	<0.50	NA	NA	NA	NA	NA	NA	35.85	21.97	13.88	NA	NA	NA
S-8	01/02/2003	440	55	1.8	2.9	31	NA	<0.50	NA	NA	NA	NA	NA	NA	35.85	21.95	13.90	NA	NA	NA
S-8	04/15/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	21.73	14.12	NA	NA	NA
S-8	07/14/2003	60	6.8	<0.50	0.98	4.9	NA	<0.50	NA	NA	NA	NA	NA	NA	35.85	21.40	14.45	NA	NA	NA
S-8	10/20/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	21.94	13.91	NA	NA	NA
S-8	01/22/2004	210	19	0.52	3.6	17	NA	<0.50	NA	NA	NA	NA	NA	NA	35.85	21.40	14.45	NA	NA	NA
S-8	04/19/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	20.83	15.02	NA	NA	NA
S-8	07/13/2004	420	77	0.82	14	31	NA	<0.50	NA	NA	NA	NA	NA	NA	35.85	21.05	14.80	NA	NA	NA
S-8	10/28/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	21.77	14.08	NA	NA	NA
S-8	01/17/2005	490	85	0.89	13	28	NA	<0.50	NA	NA	NA	NA	NA	NA	35.85	20.92	14.93	NA	NA	NA
S-8	04/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	21.57	14.28	NA	NA	NA
S-8	07/28/2005	64	12	<0.50	1.5	1.6	NA	<0.50	NA	NA	NA	NA	NA	NA	35.85	21.62	14.23	NA	NA	NA
S-8	10/05/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	21.11	14.74	NA	NA	NA
S-8	02/09/2006	<50.0	2.79	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	NA	NA	NA	35.85	20.18	15.67	NA	NA	NA
S-8	05/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	20.53	15.32	NA	NA	NA
S-8	08/23/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	NA	NA	NA	35.85	21.49	14.36	NA	NA	NA
S-8	11/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	22.05	13.80	NA	NA	NA
S-8	01/30/2007	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	35.85	22.41	13.44	NA	NA	NA
S-8	05/29/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	22.65	13.20	NA	NA	NA
S-8	08/15/2007	65 h,i	7.4	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	NA	NA	35.85	22.88	12.97	NA	NA	NA
S-8	11/28/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	23.20	12.65	NA	NA	NA
S-8	02/08/2008	350 h	22	<1.0	4.8	2.6	NA	1.2	NA	NA	NA	NA	<0.50	<1.0	35.85	22.72	13.13	NA	NA	NA
S-8	05/08/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	22.91	12.94	NA	NA	NA
S-8	08/14/2008	420	28	<1.0	6.3	1.4	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	35.85	23.12	12.73	NA	NA	NA
S-8	**11/11/2008 k**	**330**	**37**	**<1.0**	**5.1**	**<1.0**	**NA**	**<1.0**	**NA**	**NA**	**NA**	**NA**	**<0.50**	**<1.0**	**35.85**	**23.37**	**12.48**	**NA**	**1.6**	**28**
S-8	**11/11/2008 l**	**480**	**29**	**<1.0**	**5.4**	**<1.0**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.85**	**23.37**	**12.48**	**NA**	**2.2**	**103**
S-9	12/22/1994	2600	400	150	42	310	NA	NA	NA	NA	NA	NA	NA	NA	26.06	24.37	1.69	NA	NA	NA
S-9	04/20/1995	1900	400	130	51	200	NA	NA	NA	NA	NA	NA	NA	NA	26.06	23.49	2.57	NA	NA	NA
S-9	10/04/1995	3200	590	260	68	280	NA	NA	NA	NA	NA	NA	NA	NA	26.06	24.01	2.05	NA	NA	NA

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S-9	01/03/1996	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	NA	NA	NA	NA	NA
S-9	04/11/1996	2100	440	1500	42	210	<25	NA	NA	NA	NA	NA	NA	NA	26.06	23.61	2.45	NA	NA	NA
S-9	07/11/1996	5200	940	450	120	520	<50	NA	NA	NA	NA	NA	NA	NA	26.06	23.78	2.28	NA	NA	NA
S-9 (D)	07/11/1996	4800	890	430	110	500	<50	NA	NA	NA	NA	NA	NA	NA	26.06	NA	NA	NA	NA	NA
S-9	10/02/1996	3000	680	220	56	270	<62	NA	NA	NA	NA	NA	NA	NA	26.06	24.31	1.75	NA	NA	NA
S-9	01/22/1997	1500	230	71	36	130	<12	NA	NA	NA	NA	NA	NA	NA	26.06	23.08	2.98	NA	NA	NA
S-9	07/21/1997	3400	590	57	19	210	96	NA	NA	NA	NA	NA	NA	NA	26.06	22.83	3.23	NA	NA	NA
S-9	01/22/1998	2600	300	46	<10	270	62	NA	NA	NA	NA	NA	NA	NA	26.06	21.96	4.10	NA	NA	NA
S-9	07/08/1998	820	150	6.2	8	57	<10	NA	NA	NA	NA	NA	NA	NA	26.06	20.85	5.21	NA	NA	NA
S-9	10/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	21.39	4.67	NA	NA	NA
S-9	01/28/1999	<50	1.0	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	26.06	22.32	3.74	NA	NA	NA
S-9	04/23/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	21.41	4.65	NA	NA	NA
S-9	07/29/1999	117	7.77	0.817	0.683	5.05	<5.00	NA	NA	NA	NA	NA	NA	NA	26.06	21.25	4.81	NA	NA	NA
S-9	11/01/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	21.92	4.14	NA	NA	NA
S-9	01/07/2000	<50	1.2	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	26.06	22.11	3.95	NA	NA	NA
S-9	04/11/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	21.14	4.92	NA	NA	NA
S-9	07/19/2000	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	NA	NA	NA	NA	NA
S-9	10/12/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	22.24	3.82	NA	NA	NA
S-9	01/09/2001	<50.0	1.45	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	26.06	22.52	3.54	NA	NA	NA
S-9	04/06/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	23.61	2.45	NA	NA	NA
S-9	07/25/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	NA	NA	NA	NA	NA
S-9	08/13/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	NA	NA	NA	NA	NA
S-9	11/01/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	21.78	4.28	NA	NA	NA
S-9	01/17/2002 d	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	26.06	21.15	4.91	NA	NA	NA
S-9	05/08/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	20.56	5.50	NA	NA	NA
S-9	07/18/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	34.70	20.88	13.82	NA	NA	NA
S-9	10/15/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	21.41	13.29	NA	NA	NA
S-9	01/02/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	34.70	21.35	13.35	NA	NA	NA
S-9	04/15/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	21.14	13.56	NA	NA	NA
S-9	07/14/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	34.70	20.80	13.90	NA	NA	NA
S-9	10/20/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	21.33	13.37	NA	NA	NA
S-9	01/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	34.70	20.77	13.93	NA	NA	NA
S-9	04/19/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	20.06	14.64	NA	NA	NA
S-9	07/13/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NN	34.70	20.44	14.26	NA	NA	NA
S-9	10/28/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	21.02	13.68	NA	NA	NA
S-9	01/17/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	34.70	20.18	14.52	NA	NA	NA
S-9	04/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	21.85	12.85	NA	NA	NA

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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)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (mV)
S-9	07/28/2005	360	190	1.8	1.1	3.9	NA	<0.50	<2.0	<2.0	<2.0	<5.0	NA	NA	34.70	21.22	13.48	NA	NA	NA
S-9	10/05/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	20.63	14.07	NA	NA	NA
S-9	02/09/2006	<50.0	0.940	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	NA	NA	NA	34.70	19.23	15.47	NA	NA	NA
S-9	05/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	20.28	14.42	NA	NA	NA
S-9	08/23/2006	7000	1740	55.6	193	278	NA	<0.500	<0.500	<0.500	<0.500	<10.0	NA	NA	34.70	21.31	13.39	NA	NA	NA
S-9	11/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	21.79	12.91	NA	NA	NA
S-9	01/30/2007	12000	2200	250	480	980	NA	<0.50	NA	NA	NA	NA	NA	NA	34.70	22.08	12.62	NA	NA	NA
S-9	05/29/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	22.22	12.48	NA	NA	NA
S-9	08/15/2007	9800 h,i	2400	100	410	602	NA	<10	<20	<20	<20	<100	NA	NA	34.70	22.43	12.27	NA	NA	NA
S-9	11/28/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	22.75	11.95	NA	NA	NA
S-9	02/08/2008	69 h	2.2	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	34.70	22.31	12.39	NA	NA	NA
S-9	05/08/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	22.49	12.21	NA	NA	NA
S-9	08/14/2008	<50	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	34.70	22.70	12.00	NA	NA	NA
S-9	**11/11/2008 k**	**<50**	**2.4**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**NA**	**NA**	**NA**	**NA**	**<0.50**	**<1.0**	**34.70**	**22.90**	**11.80**	**NA**	**1.1**	**92**
S-9	**11/11/2008 l**	**550**	**74**	**12**	**22**	**55.3**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.70**	**22.90**	**11.80**	**NA**	**3.6**	**98**
S-10	12/22/1994	420	27	8.0	18	45	NA	NA	NA	NA	NA	NA	NA	NA	28.04	25.84	2.20	NA	NA	NA
S-10	04/20/1995	820	49	3.7	97	52	NA	NA	NA	NA	NA	NA	NA	NA	28.04	24.92	3.12	NA	NA	NA
S-10	10/04/1995	240	6.5	1.1	16	12	NA	NA	NA	NA	NA	NA	NA	NA	28.04	25.47	2.57	NA	NA	NA
S-10	01/03/1996	1100	27	4.9	110	70	NA	NA	NA	NA	NA	NA	NA	NA	28.04	25.60	2.44	NA	NA	NA
S-10	04/11/1996	530	19	1.6	82	52	<5.0	NA	NA	NA	NA	NA	NA	NA	28.04	25.27	2.77	NA	NA	NA
S-10	07/11/1996	570	16	3.2	53	53	<2.5	NA	NA	NA	NA	NA	NA	NA	28.04	25.46	2.58	NA	NA	NA
S-10	10/02/1996	270	8.2	0.77	24	23	3.3	NA	NA	NA	NA	NA	NA	NA	28.04	25.81	2.23	NA	NA	NA
S-10	01/22/1997	160	4.8	0.73	16	11	<2.5	NA	NA	NA	NA	NA	NA	NA	28.04	24.74	3.30	NA	NA	NA
S-10	07/21/1997	530	5.7	0.70	29	69	<2.5	NA	NA	NA	NA	NA	NA	NA	28.04	24.50	3.54	NA	NA	NA
S-10	01/22/1998	1500	15	<5.0	88	130	<25	NA	NA	NA	NA	NA	NA	NA	28.04	24.44	3.60	NA	NA	NA
S-10	07/08/1998	530	4.8	1.1	47	51	<2.5	NA	NA	NA	NA	NA	NA	NA	28.04	22.36	5.68	NA	NA	NA
S-10	10/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	22.81	5.23	NA	NA	NA
S-10	01/28/1999	630	4.6	0.98	<0.50	59	<2.5	NA	NA	NA	NA	NA	NA	NA	28.04	23.82	4.22	NA	NA	NA
S-10	04/23/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	22.96	5.08	NA	NA	NA
S-10	07/29/1999	728	3.40	<1.00	41.8	38.0	<10.0	NA	NA	NA	NA	NA	NA	NA	28.04	22.63	5.41	NA	NA	NA
S-10	11/01/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	23.02	5.02	NA	NA	NA
S-10	01/07/2000	870	8.5	1.3	110	110	<2.5	NA	NA	NA	NA	NA	NA	NA	28.04	23.33	4.71	NA	NA	NA
S-10	04/11/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	22.64	5.40	NA	NA	NA
S-10	07/19/2000	612	3.75	<0.500	41.6	43.6	<2.50	NA	NA	NA	NA	NA	NA	NA	28.04	23.04	5.00	NA	NA	NA
S-10	10/12/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	23.92	4.12	NA	NA	NA
S-10	01/09/2001	647	7.62	1.01	66.2	42.4	<2.50	NA	NA	NA	NA	NA	NA	NA	28.04	24.13	3.91	NA	NA	NA

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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)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (mV)
S-10	04/06/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	25.37	2.67	NA	NA	NA
S-10	07/25/2001	340	1.5	<0.50	42	19	NA	<5.0	NA	NA	NA	NA	NA	NA	28.04	25.35	2.69	NA	NA	NA
S-10	11/01/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	23.22	4.82	NA	NA	NA
S-10	01/17/2002 d	1100	3.5	<0.50	55	46	NA	<5.0	NA	NA	NA	NA	NA	NA	28.04	22.72	5.32	NA	NA	NA
S-10	05/08/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	22.35	5.69	NA	NA	NA
S-10	07/18/2002	750	1.8	<0.50	42	26	NA	<5.0	NA	NA	NA	NA	NA	NA	36.35	22.05	14.30	NA	NA	NA
S-10	10/15/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	22.51	13.84	NA	NA	NA
S-10	01/02/2003	440	1.8	<0.50	14	24	NA	<5.0	NA	NA	NA	NA	NA	NA	36.35	22.50	13.85	NA	NA	NA
S-10	04/15/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	22.32	14.03	NA	NA	NA
S-10	07/14/2003	210	0.86	<0.50	13	12	NA	<0.50	NA	NA	NA	NA	NA	NA	36.35	21.99	14.36	NA	NA	NA
S-10	10/20/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	22.53	13.82	NA	NA	NA
S-10	01/22/2004	280	0.88	<0.50	10	11	NA	<0.50	NA	NA	NA	NA	NA	NA	36.35	22.02	14.33	NA	NA	NA
S-10	04/19/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	21.43	14.92	NA	NA	NA
S-10	07/13/2004	770	1.5	<0.50	70	42	NA	<0.50	NA	NA	NA	NA	NA	NA	36.35	21.68	14.67	NA	NA	NA
S-10	10/28/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	22.37	13.98	NA	NA	NA
S-10	01/17/2005	1100	1.5	<0.50	73	51	NA	<0.50	NA	NA	NA	NA	NA	NA	36.35	21.45	14.90	NA	NA	NA
S-10	04/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	22.18	14.17	NA	NA	NA
S-10	07/28/2005	260	<0.50	<0.50	19	9.7	NA	<0.50	<2.0	<2.0	<2.0	<5.0	NA	NA	36.35	22.25	14.10	NA	NA	NA
S-10	10/05/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	21.70	14.65	NA	NA	NA
S-10	02/09/2006	630	<0.500	<0.500	13.8	13.8	NA	<0.500	NA	NA	NA	NA	NA	NA	36.35	20.37	15.98	NA	NA	NA
S-10	05/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	21.31	15.04	NA	NA	NA
S-10	08/23/2006	<50.0	<0.500	<0.500	14.5	3.40	NA	<0.500	<0.500	<0.500	<0.500	<10.0	NA	NA	36.35	22.12	14.23	NA	NA	NA
S-10	11/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	22.68	13.67	NA	NA	NA
S-10	01/30/2007	120	<0.50	<0.50	7.0	3.3	NA	<0.50	NA	NA	NA	NA	NA	NA	36.35	23.09	13.26	NA	NA	NA
S-10	05/29/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.20	13.15	NA	NA	NA
S-10	08/15/2007	64 h,i	0.15 j	<1.0	1.4	0.72 j	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	36.35	23.48	12.87	NA	NA	NA
S-10	11/28/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.82	12.53	NA	NA	NA
S-10	02/08/2008	61 h	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	36.35	23.31	13.04	NA	NA	NA
S-10	05/08/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.55	12.80	NA	NA	NA
S-10	08/14/2008	58	<0.50	<1.0	2.7	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	36.35	23.75	12.60	NA	NA	NA
S-10	**11/11/2008**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**36.35**	**23.08**	**13.27**	**NA**	**NA**	**NA**
S-12	12/17/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.44	24.58	11.86	NA	NA	NA
S-12	02/08/2008	55 h	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	36.44	24.32	12.12	NA	NA	NA
S-12	05/08/2008	<50 h	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	36.44	24.51	11.93	NA	NA	NA
S-12	08/14/2008	<50	1.0	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	36.44	24.63	11.81	NA	NA	NA
S-12	**11/11/2008 k**	**<50**	**0.95**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**NA**	**NA**	**NA**	**NA**	**<0.50**	**<1.0**	**36.44**	**24.85**	**11.59**	**NA**	**0.2**	**37**

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S-12	11/11/2008 l	65	8.1	2.2	4.8	1.5	NA	NA	NA	NA	NA	NA	NA	NA	36.44	24.85	11.59	NA	0.2	45
S-13	12/17/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.16	23.33	11.83	NA	NA	NA
S-13	02/08/2008	14000 h	1900	1300	280	3000	NA	<10	NA	NA	NA	NA	<5.0	<10	35.16	23.01	12.15	NA	NA	NA
S-13	05/08/2008	18000 h	2800	3400	550	3500	NA	<10	NA	NA	NA	NA	<5.0	<10	35.16	23.31	11.85	NA	NA	NA
S-13	08/14/2008	16,000	2,400	3,100	580	3,100	NA	<20	NA	NA	NA	NA	<10	<20	35.16	23.31	11.85	NA	NA	NA
S-13	11/11/2008 k	16,000	2,400	2,800	270	2,500	NA	<50	NA	NA	NA	NA	<25	<50	35.16	23.60	11.56	NA	0.8	-48
S-13	11/11/2008 l	4,400	560	630	88	530	NA	NA	NA	NA	NA	NA	NA	NA	35.16	23.60	11.56	NA	1.2	-60
S-14	12/17/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.94	22.68	12.26	NA	NA	NA
S-14	02/08/2008	5300 h	380	300	34	970	NA	<10	NA	NA	NA	NA	<5.0	<10	34.94	22.82	12.12	NA	NA	NA
S-14	05/08/2008	4300 h	750	270	30	520	NA	<10	NA	NA	NA	NA	<5.0	<10	34.94	22.41	12.53	NA	NA	NA
S-14	Well destroyed	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-14R	11/07/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.19	22.91	12.28	NA	NA	NA
S-14R	11/11/2008 k	8,500	680	270	<25	1,110	NA	NA	NA	NA	NA	NA	NA	NA	35.19	23.13	12.06	NA	0.60	115
S-14R	11/11/2008 l	4,300	270	190	43	470	NA	NA	NA	NA	NA	NA	NA	NA	35.19	23.13	12.06	NA	1.5	116
S-15	12/17/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.34	23.00	12.34	NA	NA	NA
S-15	02/08/2008	55000 h	6700	13000	1100	9800	NA	<10	NA	NA	NA	NA	<5.0	<10	35.34	22.71	12.63	NA	NA	NA
S-15	05/08/2008	53000 h	6300	13000	1500	7500	NA	<200	NA	NA	NA	NA	<100	<200	35.34	22.91	12.43	NA	NA	NA
S-15	Well destroyed	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-16	12/17/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.08	23.88	12.20	NA	NA	NA
S-16	02/08/2008	6000 h	670	730	88	1290	NA	<5.0	NA	NA	NA	NA	<2.5	<5.0	36.08	23.52	12.56	NA	NA	NA
S-16	05/08/2008	3200 h	670	320	18	580	NA	<10	NA	NA	NA	NA	<5.0	<10	36.08	23.69	12.39	NA	NA	NA
S-16	Well destroyed	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-17	06/19/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.49	23.30	12.19	NA	NA	NA
S-17	06/25/2008	21,000	1,300	1,300	160	2,850	NA	<5.0	NA	NA	NA	NA	<2.5	<5.0	35.49	23.33	12.16	NA	NA	NA
S-17	08/14/2008	14,000	1,700	1,700	310	2,250	NA	<10	NA	NA	NA	NA	<5.0	<10	35.49	23.50	11.99	NA	NA	NA
S-17	11/11/2008 k	7,200	1,600	820	140	760	NA	<5.0	NA	NA	NA	NA	<2.5	<5.0	35.49	23.70	11.79	NA	NA	NA
S-17	11/11/2008 l	32,000	2,500	3,100	820	4,000	NA	<25	NA	NA	NA	NA	<12	<25	35.49	23.70	11.79	NA	NA	NA
S-18	06/19/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.04	22.94	12.10	NA	NA	NA
S-18	06/25/2008	58,000	2,200	5,600	880	10,200	NA	<10	NA	NA	NA	NA	<5.0	<10	35.04	22.92	12.12	NA	NA	NA
S-18	08/14/2008	25,000	2,500	4,500	860	5,800	NA	<50	NA	NA	NA	NA	<25	<50	35.04	23.08	11.96	NA	NA	NA

WELL CONCENTRATIONS
Former Shell Service Station
461 8th Street
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)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (mV)
S-18	11/11/2008 k	24,000	2,400	3,300	820	3,800	NA	<25	NA	NA	NA	NA	<12	<25	35.04	23.30	11.74	NA	NA	NA
S-18	11/11/2008 l	43,000	3,900	5,500	1,300	6,500	NA	<50	NA	NA	NA	NA	<25	<50	35.04	23.30	11.74	NA	NA	NA
S-19	11/07/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.78	22.73	12.05	NA	NA	NA
S-19	11/11/2008 k	7,100	500	600	25	1,010	NA	NA	NA	NA	NA	NA	NA	NA	34.78	22.87	11.91	NA	1.0	62
S-19	11/11/2008 l	2,300	110	160	43	280	NA	NA	NA	NA	NA	NA	NA	NA	34.78	22.87	11.91	NA	1.3	71
S-20	11/07/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.80	11.70	NA	NA	NA
S-20	11/11/2008 k	13,000	1,300	1,600	80	1,920	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.90	11.60	NA	0.8	-39
S-20	11/11/2008 l	16,000	1,100	1,800	220	1,930	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.90	11.60	NA	2.6	-64
S-21A	11/07/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.81	23.73	12.08	NA	NA	NA
S-21A	11/11/2008 k	96,000	6,100	11,000	1,700	10,500	NA	NA	NA	NA	NA	NA	NA	NA	35.81	23.86	11.95	NA	1.6	-42
S-21A	11/11/2008 l	87,000	6,300	13,000	1,700	10,300	NA	NA	NA	NA	NA	NA	NA	NA	35.81	23.86	11.95	NA	1.8	-51
S-21B	11/07/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.79	23.68	12.11	NA	NA	NA
S-21B	11/11/2008 k	3,200	49	300	93	510	NA	NA	NA	NA	NA	NA	NA	NA	35.79	23.80	11.99	NA	0.4	-108
S-21B	11/11/2008 l	7,500	67	470	150	960	NA	NA	NA	NA	NA	NA	NA	NA	35.79	23.80	11.99	NA	5.6	-135
S-22A	11/07/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.08	22.91	12.17	NA	NA	NA
S-22A	11/11/2008 k	84,000	8,500	11,000	2,200	13,900	NA	NA	NA	NA	NA	NA	NA	NA	35.08	23.15	11.93	NA	1.0	117
S-22A	11/11/2008 l	85,000	7,600	10,000	2,500	12,400	NA	NA	NA	NA	NA	NA	NA	NA	35.08	23.15	11.93	NA	1.6	100
S-22B	11/07/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.15	23.06	12.09	NA	NA	NA
S-22B	11/11/2008 k	<50	<0.50	<1.0	<1.0	1.2	NA	NA	NA	NA	NA	NA	NA	NA	35.15	23.20	11.95	NA	0.9	92
S-22B	11/11/2008 l	360	3.3	12	5.8	38	NA	NA	NA	NA	NA	NA	NA	NA	35.15	23.20	11.95	NA	1.6	90
S-23	11/07/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.77	23.28	12.49	NA	NA	NA
S-23	11/11/2008 k	8,800	640	610	82	1,260	NA	NA	NA	NA	NA	NA	NA	NA	35.77	23.58	12.19	NA	NA	NA
S-23	11/11/2008 l	6,400	520	640	34	760	NA	NA	NA	NA	NA	NA	NA	NA	35.77	23.58	12.19	NA	NA	NA
AS-1	12/17/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.33	22.91	12.42	NA	NA	NA
AS-1	02/08/2008	130 h	1.1	3.4	<1.0	5.4	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	35.33	22.62	12.71	NA	NA	NA
AS-1	05/08/2008	<50 h	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	35.33	27.78	7.55	NA	NA	NA

WELL CONCENTRATIONS
Former Shell Service Station
461 8th Street
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)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (mV)

Abbreviations:
TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to July 25, 2001, analyzed by EPA Method 8015.
BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to July 25, 2001, analyzed by EPA Method 8020.
MTBE = Methyl tertiary butyl ether
ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260B.
DIPE = Di-isopropyl 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.
EDC = 1,2-Dichloroethane, analyzed by EPA Method 8260B.
EDB = 1,2-Dibromoethane, analyzed by EPA Method 8260B.
TOC = Top of Casing Elevation
TOB = Top of Wellbox Elevation
SPH = Separate-Phase Hydrocarbons
GW = Groundwater
ug/L = Parts per billion
MSL = Mean sea level
ft. = Feet
D.O. = Dissolved Oxygen
O.R.P. = Oxygen Redox Potential
mg/L = Parts per million
mV = Microvolts
<n = Below detection limit
(D) = Duplicate sample
NA = Not applicable

WELL CONCENTRATIONS
Former Shell Service Station
461 8th Street
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)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (m/V)

Notes:
a = Ethylbenzene and xylenes combined.
b = This sample analyzed outside of EPA recommended holding time.
c = Depth to water measured from Top of Casing; elevation unknown.
d = Grab sampled.
e = Casing broken; Top of Casing elevation unknown.
f = SPH detected at <0.01 feet.
g = S-6 was purged prior to sampling.
h = Analyzed by EPA Method 8015B (M).
i = 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.
j = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
k = Pre-purge sample
l = Post-purge sample
* = Prior to December 22, 1994, well elevations taken from Top of Casing.
Beginning July 18, 2002, well elevations taken from Top of Casing.
Site surveyed March 5, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.
Site surveyed December 18, 2007 by Virgil Chavez Land Surveying of Vallejo, CA.
Wells S-14R and S-19 through S-23 surveyed on November 11, 2008 by Virgil Chavez Land Surveying of Vallejo, CA.

WELL CONCENTRATIONS
Former Shell Service Station
461 8th Street
Oakland, CA

Well ID	Date	Arsenic (ug/L)	Chromium (ug/L)	Nickel (ug/L)	Iron (ug/L)	Manganese (ug/L)	Chloride (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Hexavalent Chromium (mg/L)	Total Suspended Solids (mg/L)	Iron (mg/L)	Bromate (mg/L)
S-8	11/11/2008	<10.0 a/16.3 b	27.0 a/428 b	5.99 a/82.0 b	<100 a/8,510 b	<5.00 a/2,460 b	32	0.16	4.4	27	22	107	<0.10	<1
S-9	11/11/2008	<10.0 a/<10.0 b	<5.00 a/207 b	5.07 a/10.7 b	<100 a/6,400 b	488 a/1,140 b	66	0.27	2.7	25	<1.0	140	0.11	<1
S-12	11/11/2008	<10.0 a/19.9 b	<5.00 a/404 b	<5.00 a/509 b	228 a/159,000 b	36.9 a/6,780 b	20	0.11	1.9	22	<1.0	1,850	<0.10	<1 c
S-13	11/11/2008	<10.0 a/<10.0 b	<5.00 a/34.1 b	<5.00 a/33.2 b	263 a/13,400 b	315 a/415 b	23	0.11	2.2	20	<1.0	680	<0.10	<1
S-14R	11/11/2008	<10.0 a/<10.0 b	13.0 a/64.8 b	<5.00 a/62.7 b	<100 a/23,200 b	244 a/607 b	51	0.21	4.1	28	16	397	<0.10	<1
S-19	11/11/2008	<10.0 a/<10.0 b	35.2 a/44.4 b	<5.00 a/7.39 b	<100 a/3,000 b	22.8 a/105 b	47	0.22	3.2	25	36	105	<0.10	<1
S-20	11/11/2008	<10.0 a/12.9 b	30.7 a/53.5 b	<5.00 a/26.9 b	<100 a/10,500 b	<5.00 a/249 b	27	0.13	2.7	26	31	252	<0.10	<1
S-21A	11/11/2008	<10.0 a/38.4 b	<5.00 a/1,090 b	5.39 a/1,390 b	<100 a/384,000 b	2,990 a/9,000 b	90	0.98	<0.10	18	<1.0	7,510	0.16	<1 c
S-21B	11/11/2008	<10.0 a/12.0 b	44.8 a/54.6 b	<5.00 a/6.07 b	<100 a/2,120 b	<5.00 a/61.6 b	37	0.17	5.3	40	43	42	<0.10	<1
S-22A	11/11/2008	<10.0 a/70.3 b	<5.00 a/1,420 b	<5.00 a/1,890 b	145 a/546,000 b	2,710 a/10,500 b	82	1.2	<0.10	13	<1.0	4,770	2.6	<1 c
S-22B	11/11/2008	<10.0 a/<10.0 b	25.7 a/30.2 b	<5.00 a/<5.00 b	<100 a/1,210 b	<5.00 a/24.8 b	17	<0.10	1.5	19	27	18	<0.10	<1

Abbreviations:
ug/L = Parts per billion
mg/L = Parts per million
<n = Below detection limit
Arsenic, Chromium, Nickel, Iron and Manganese analyzed by EPA 6010B.
Chloride, Bromide, Nitrate and Sulfate analyzed by EPA 300.0.
Hexavalent Chromium analyzed by EPA 7199.
Total Suspended Solids analyzed by SM 2540 D.
Iron analyzed by SM3500-FeB.
Bromate analyzed by E300.1.

WELL CONCENTRATIONS
Former Shell Service Station
461 8th Street
Oakland, CA

Well ID	Date	Arsenic (ug/L)	Chromium (ug/L)	Nickel (ug/L)	Iron (ug/L)	Manganese (ug/L)	Chloride (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Hexavalent Chromium (mg/L)	Total Suspended Solids (mg/L)	Iron (mg/L)	Bromate (mg/L)

Notes:

a = Dissolved metals

b = Total metals

c = Aqueous sample that contains greater than ~1 vol.% sediment.

Calscience
Environmental
Laboratories, Inc.

November 26, 2008

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

Subject: **Calscience Work Order No.:** **08-11-1047**
Client Reference: **461 8th Street , Oakland, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/12/2008 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

LABORATORY ID: 08-11-1047

Method: EPA 6010B
Matrix: Water/Aqueous

CLIENT: Blaine Tech Services, Inc.
PROJECT: 461 8th Street , Oakland, CA

Results

Sample ID	Ferric Iron (Fe+3) mg/L	Dilution Factor	Date Extracted	Date Analyzed
S-8 (10:28)	8.51	1	11/12/08	11/13/08
S-9 (16:08)	6.29	1	11/12/08	11/13/08
S-12 (10:40)	159	1	11/12/08	11/13/08
S-13 (11:27)	13.4	1	11/12/08	11/13/08
S-14R (11:18)	23.2	1	11/12/08	11/13/08
S-19 (12:23)	3.00	1	11/12/08	11/13/08
S-20 (15:15)	10.5	1	11/12/08	11/13/08
S-21A (13:00)	384	1	11/12/08	11/13/08
S-21B (14:42)	2.12	1	11/12/08	11/13/08
S-22A (15:19)	543	1	11/12/08	11/13/08
S-22B (14:38)	1.21	1	11/12/08	11/13/08
Reporting Limit:	0.100			

Laboratory Notes

Key: ND=Not Detected at the reporting level, NA=Not applicable

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received: 11/12/08
1680 Rogers Avenue	Work Order No: 08-11-1047
San Jose, CA 95112-1105	Preparation: EPA 3005A Filt.
	Method: EPA 6010B
	Units: mg/L
Project: 461 8th Street , Oakland, CA	Page 1 of 6

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-8 (10:28)	08-11-1047-6-G	11/11/08 10:28	Aqueous	ICP 5300	11/14/08	11/15/08 17:36	081114LA7F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	ND	0.100	1	
Chromium	0.0270	0.00500	1		Manganese	ND	0.00500	1	
Nickel	0.00599	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-9 (16:08)	08-11-1047-8-G	11/11/08 16:08	Aqueous	ICP 5300	11/14/08	11/15/08 17:50	081114LA7F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	ND	0.100	1	
Chromium	ND	0.00500	1		Manganese	0.488	0.00500	1	
Nickel	0.00507	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-12 (10:40)	08-11-1047-10-G	11/11/08 10:40	Aqueous	ICP 5300	11/14/08	11/15/08 17:53	081114LA7F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	0.228	0.100	1	
Chromium	ND	0.00500	1		Manganese	0.0369	0.00500	1	
Nickel	ND	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-13 (11:27)	08-11-1047-12-H	11/11/08 11:27	Aqueous	ICP 5300	11/14/08	11/15/08 17:56	081114LA7F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	0.263	0.100	1	
Chromium	ND	0.00500	1		Manganese	0.315	0.00500	1	
Nickel	ND	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-14R (11:18)	08-11-1047-14-G	11/11/08 11:18	Aqueous	ICP 5300	11/14/08	11/15/08 17:59	081114LA7F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	ND	0.100	1	
Chromium	0.0130	0.00500	1		Manganese	0.244	0.00500	1	
Nickel	ND	0.00500	1						

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	11/12/08
1680 Rogers Avenue	Work Order No:	08-11-1047
San Jose, CA 95112-1105	Preparation:	EPA 3005A Filt.
	Method:	EPA 6010B
	Units:	mg/L
Project: 461 8th Street , Oakland, CA		Page 2 of 6

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-19 (12:23)	08-11-1047-20-H	11/11/08 12:23	Aqueous	ICP 5300	11/14/08	11/15/08 18:02	081114LA7F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	ND	0.100	1	
Chromium	0.0352	0.00500	1		Manganese	0.0228	0.00500	1	
Nickel	ND	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20 (15:15)	08-11-1047-22-H	11/11/08 15:15	Aqueous	ICP 5300	11/14/08	11/15/08 18:05	081114LA7F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	ND	0.100	1	
Chromium	0.0307	0.00500	1		Manganese	ND	0.00500	1	
Nickel	ND	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21A (13:00)	08-11-1047-24-H	11/11/08 13:00	Aqueous	ICP 5300	11/14/08	11/15/08 18:08	081114LA7F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	ND	0.100	1	
Chromium	ND	0.00500	1		Manganese	2.99	0.00500	1	
Nickel	0.00539	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21B (14:42)	08-11-1047-26-H	11/11/08 14:42	Aqueous	ICP 5300	11/14/08	11/15/08 18:11	081114LA7F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	ND	0.100	1	
Chromium	0.0448	0.00500	1		Manganese	ND	0.00500	1	
Nickel	ND	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22A (15:19)	08-11-1047-28-H	11/11/08 15:19	Aqueous	ICP 5300	11/14/08	11/15/08 18:20	081114LA7F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	0.145	0.100	1	
Chromium	ND	0.00500	1		Manganese	2.71	0.00500	1	
Nickel	ND	0.00500	1						

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	11/12/08
1680 Rogers Avenue	Work Order No:	08-11-1047
San Jose, CA 95112-1105	Preparation:	EPA 3005A Filt.
	Method:	EPA 6010B
	Units:	mg/L
Project: 461 8th Street , Oakland, CA		Page 3 of 6

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22B (14:38)	08-11-1047-30-H	11/11/08 14:38	Aqueous	ICP 5300	11/14/08	11/15/08 18:23	081114LA7F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	ND	0.100	1	
Chromium	0.0257	0.00500	1		Manganese	ND	0.00500	1	
Nickel	ND	0.00500	1						

Method Blank	097-01-003-8,813	N/A	Aqueous	ICP 5300	11/14/08	11/15/08 14:16	081114LA7F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	ND	0.100	1	
Chromium	ND	0.00500	1		Manganese	ND	0.00500	1	
Nickel	ND	0.00500	1						

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: 11/12/08
Work Order No: 08-11-1047
Preparation: EPA 3010A Total
Method: EPA 6010B
Units: mg/L

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-8 (10:28)	08-11-1047-6-D	11/11/08 10:28	Aqueous	ICP 5300	11/12/08	11/13/08 13:39	081112LA4

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	0.0163	0.0100	1		Iron	8.51	0.100	1	
Chromium	0.428	0.00500	1		Manganese	2.46	0.00500	1	
Nickel	0.0820	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-9 (16:08)	08-11-1047-8-D	11/11/08 16:08	Aqueous	ICP 5300	11/12/08	11/13/08 13:42	081112LA4

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	6.40	0.100	1	
Chromium	0.207	0.00500	1		Manganese	1.14	0.00500	1	
Nickel	0.0107	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-12 (10:40)	08-11-1047-10-D	11/11/08 10:40	Aqueous	ICP 5300	11/12/08	11/13/08 13:45	081112LA4

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	0.0199	0.0100	1		Iron	159	0.100	1	
Chromium	0.404	0.00500	1		Manganese	6.78	0.00500	1	
Nickel	0.509	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-13 (11:27)	08-11-1047-12-D	11/11/08 11:27	Aqueous	ICP 5300	11/12/08	11/13/08 13:47	081112LA4

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	13.4	0.100	1	
Chromium	0.0341	0.00500	1		Manganese	0.415	0.00500	1	
Nickel	0.0332	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-14R (11:18)	08-11-1047-14-D	11/11/08 11:18	Aqueous	ICP 5300	11/12/08	11/13/08 13:56	081112LA4

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	23.2	0.100	1	
Chromium	0.0648	0.00500	1		Manganese	0.607	0.00500	1	
Nickel	0.0627	0.00500	1						

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: 11/12/08
Work Order No: 08-11-1047
Preparation: EPA 3010A Total
Method: EPA 6010B
Units: mg/L

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-19 (12:23)	08-11-1047-20-D	11/11/08 12:23	Aqueous	ICP 5300	11/12/08	11/13/08 13:58	081112LA4

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	3.00	0.100	1	
Chromium	0.0444	0.00500	1		Manganese	0.105	0.00500	1	
Nickel	0.00739	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20 (15:15)	08-11-1047-22-D	11/11/08 15:15	Aqueous	ICP 5300	11/12/08	11/13/08 14:01	081112LA4

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	0.0129	0.0100	1		Iron	10.5	0.100	1	
Chromium	0.0535	0.00500	1		Manganese	0.249	0.00500	1	
Nickel	0.0269	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21A (13:00)	08-11-1047-24-D	11/11/08 13:00	Aqueous	ICP 5300	11/12/08	11/13/08 14:04	081112LA4

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	0.0384	0.0100	1		Iron	384	0.100	1	
Chromium	1.09	0.00500	1		Manganese	9.00	0.00500	1	
Nickel	1.39	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21B (14:42)	08-11-1047-26-D	11/11/08 14:42	Aqueous	ICP 5300	11/12/08	11/13/08 14:07	081112LA4

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	0.0120	0.0100	1		Iron	2.12	0.100	1	
Chromium	0.0546	0.00500	1		Manganese	0.0616	0.00500	1	
Nickel	0.00607	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22A (15:19)	08-11-1047-28-D	11/11/08 15:19	Aqueous	ICP 5300	11/12/08	11/13/08 14:10	081112LA4

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	0.0703	0.0100	1		Iron	546	0.100	1	
Chromium	1.42	0.00500	1		Manganese	10.5	0.00500	1	
Nickel	1.89	0.00500	1						

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	11/12/08
1680 Rogers Avenue	Work Order No:	08-11-1047
San Jose, CA 95112-1105	Preparation:	EPA 3010A Total
	Method:	EPA 6010B
	Units:	mg/L
Project: 461 8th Street , Oakland, CA		Page 6 of 6

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22B (14:38)	08-11-1047-30-D	11/11/08 14:38	Aqueous	ICP 5300	11/12/08	11/13/08 14:12	081112LA4

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	1.21	0.100	1	
Chromium	0.0302	0.00500	1		Manganese	0.0248	0.00500	1	
Nickel	ND	0.00500	1						

Method Blank	097-01-003-8,805	N/A	Aqueous	ICP 5300	11/12/08	11/14/08 16:02	081112LA4

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	ND	0.100	1	
Chromium	ND	0.00500	1		Manganese	ND	0.00500	1	
Nickel	ND	0.00500	1						

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: 11/12/08
Work Order No: 08-11-1047
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5 (08:20)	08-11-1047-1-A	11/11/08 08:20	Aqueous	GC/MS R	11/20/08	11/20/08 20:27	081120L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2500	25	50		p/m-Xylene	3100	50	50	
1,2-Dibromoethane	ND	50	50		o-Xylene	390	50	50	
1,2-Dichloroethane	ND	25	50		Methyl-t-Butyl Ether (MTBE)	ND	50	50	
Ethylbenzene	2000	50	50		TPPH	37000	2500	50	
Toluene	1300	50	50						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	92	74-140		1,2-Dichloroethane-d4	89	74-146	
Toluene-d8	99	88-112		Toluene-d8-TPPH	99	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-5 (08:35)	08-11-1047-2-A	11/11/08 08:35	Aqueous	GC/MS R	11/20/08	11/20/08 20:56	081120L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2300	25	50		p/m-Xylene	3200	50	50	
1,2-Dibromoethane	ND	50	50		o-Xylene	430	50	50	
1,2-Dichloroethane	ND	25	50		Methyl-t-Butyl Ether (MTBE)	ND	50	50	
Ethylbenzene	1900	50	50		TPPH	40000	2500	50	
Toluene	1400	50	50						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	93	74-140		1,2-Dichloroethane-d4	90	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-6 (09:15)	08-11-1047-3-A	11/11/08 09:15	Aqueous	GC/MS R	11/20/08	11/20/08 21:25	081120L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	15000	50	100		p/m-Xylene	2400	10	10	
1,2-Dibromoethane	ND	10	10		o-Xylene	990	10	10	
1,2-Dichloroethane	ND	5.0	10		Methyl-t-Butyl Ether (MTBE)	ND	10	10	
Ethylbenzene	1200	10	10		TPPH	37000	500	10	
Toluene	6200	100	100						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	95	74-140		1,2-Dichloroethane-d4	90	74-146	
Toluene-d8	98	88-112		Toluene-d8-TPPH	98	88-112	
1,4-Bromofluorobenzene	94	74-110					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	11/12/08
1680 Rogers Avenue	Work Order No:	08-11-1047
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	ug/L

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-6 (09:30)	08-11-1047-4-A	11/11/08 09:30	Aqueous	GC/MS R	11/20/08	11/20/08 21:53	081120L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	5200	25	50		p/m-Xylene	890	50	50	
1,2-Dibromoethane	ND	50	50		o-Xylene	170	50	50	
1,2-Dichloroethane	ND	25	50		Methyl-t-Butyl Ether (MTBE)	ND	50	50	
Ethylbenzene	400	50	50		TPPH	14000	2500	50	
Toluene	680	50	50						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	93	74-140		1,2-Dichloroethane-d4	89	74-146	
Toluene-d8	98	88-112		Toluene-d8-TPPH	98	88-112	
1,4-Bromofluorobenzene	94	74-110					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-8 (10:15)	08-11-1047-5-B	11/11/08 10:15	Aqueous	GC/MS UU	11/21/08	11/21/08 13:36	081121L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	37	0.50	1		p/m-Xylene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		o-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	5.1	1.0	1		TPPH	330	50	1	
Toluene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	104	74-140		1,2-Dichloroethane-d4	112	74-146	
Toluene-d8	101	88-112		Toluene-d8-TPPH	102	88-112	
1,4-Bromofluorobenzene	99	74-110					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-9 (15:55)	08-11-1047-7-A	11/11/08 15:55	Aqueous	GC/MS R	11/20/08	11/21/08 04:08	081120L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2.4	0.50	1		p/m-Xylene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		o-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	92	74-140		1,2-Dichloroethane-d4	93	74-146	
Toluene-d8	98	88-112		Toluene-d8-TPPH	98	88-112	
1,4-Bromofluorobenzene	92	74-110					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	11/12/08
1680 Rogers Avenue	Work Order No:	08-11-1047
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	ug/L
Project: 461 8th Street , Oakland, CA		Page 3 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-12 (10:22)	08-11-1047-9-A	11/11/08 10:22	Aqueous	GC/MS R	11/20/08	11/21/08 04:36	081120L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	0.95	0.50	1		p/m-Xylene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		o-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	92	74-140		1,2-Dichloroethane-d4	91	74-146	
Toluene-d8	98	88-112		Toluene-d8-TPPH	98	88-112	
1,4-Bromofluorobenzene	94	74-110					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-13 (11:15)	08-11-1047-11-A	11/11/08 11:15	Aqueous	GC/MS R	11/20/08	11/21/08 05:05	081120L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2400	25	50		p/m-Xylene	1400	50	50	
1,2-Dibromoethane	ND	50	50		o-Xylene	1100	50	50	
1,2-Dichloroethane	ND	25	50		Methyl-t-Butyl Ether (MTBE)	ND	50	50	
Ethylbenzene	270	50	50		TPPH	16000	2500	50	
Toluene	2800	50	50						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	96	74-140		1,2-Dichloroethane-d4	91	74-146	
Toluene-d8	98	88-112		Toluene-d8-TPPH	98	88-112	
1,4-Bromofluorobenzene	93	74-110					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-17 (12:11)	08-11-1047-15-A	11/11/08 12:11	Aqueous	GC/MS R	11/20/08	11/21/08 05:34	081120L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	1600	10	20		p/m-Xylene	400	5.0	5	
1,2-Dibromoethane	ND	5.0	5		o-Xylene	360	5.0	5	
1,2-Dichloroethane	ND	2.5	5		Methyl-t-Butyl Ether (MTBE)	ND	5.0	5	
Ethylbenzene	140	5.0	5		TPPH	7200	250	5	
Toluene	820	5.0	5						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	94	74-140		1,2-Dichloroethane-d4	91	74-146	
Toluene-d8	97	88-112		Toluene-d8-TPPH	98	88-112	
1,4-Bromofluorobenzene	94	74-110					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	11/12/08
1680 Rogers Avenue	Work Order No:	08-11-1047
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	ug/L
Project: 461 8th Street , Oakland, CA		Page 4 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-17 (12:28)	08-11-1047-16-C	11/11/08 12:28	Aqueous	GC/MS R	11/21/08	11/21/08 15:56	081121L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2500	12	25		p/m-Xylene	2700	25	25	
1,2-Dibromoethane	ND	25	25		o-Xylene	1300	25	25	
1,2-Dichloroethane	ND	12	25		Methyl-t-Butyl Ether (MTBE)	ND	25	25	
Ethylbenzene	820	25	25		TPPH	32000	1200	25	
Toluene	3100	25	25						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	94	74-140		1,2-Dichloroethane-d4	89	74-146	
Toluene-d8	99	88-112		Toluene-d8-TPPH	99	88-112	
1,4-Bromofluorobenzene	94	74-110					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-18 (11:48)	08-11-1047-17-C	11/11/08 11:48	Aqueous	GC/MS R	11/21/08	11/21/08 16:25	081121L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2400	12	25		p/m-Xylene	2600	25	25	
1,2-Dibromoethane	ND	25	25		o-Xylene	1200	25	25	
1,2-Dichloroethane	ND	12	25		Methyl-t-Butyl Ether (MTBE)	ND	25	25	
Ethylbenzene	820	25	25		TPPH	24000	1200	25	
Toluene	3300	25	25						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	93	74-140		1,2-Dichloroethane-d4	88	74-146	
Toluene-d8	97	88-112		Toluene-d8-TPPH	98	88-112	
1,4-Bromofluorobenzene	94	74-110					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-18 (12:04)	08-11-1047-18-A	11/11/08 12:04	Aqueous	GC/MS R	11/20/08	11/21/08 07:00	081120L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	3900	25	50		p/m-Xylene	4600	50	50	
1,2-Dibromoethane	ND	50	50		o-Xylene	1900	50	50	
1,2-Dichloroethane	ND	25	50		Methyl-t-Butyl Ether (MTBE)	ND	50	50	
Ethylbenzene	1300	50	50		TPPH	43000	2500	50	
Toluene	5500	50	50						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	94	74-140		1,2-Dichloroethane-d4	91	74-146	
Toluene-d8	98	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.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 11/12/08
Work Order No: 08-11-1047
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-767-440	N/A	Aqueous	GC/MS R	11/20/08	11/20/08 14:09	081120L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		p/m-Xylene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		o-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	91	74-140		1,2-Dichloroethane-d4	87	74-146	
Toluene-d8	97	88-112		Toluene-d8-TPPH	97	88-112	
1,4-Bromofluorobenzene	92	74-110					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-767-445	N/A	Aqueous	GC/MS R	11/20/08	11/21/08 03:10	081120L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		p/m-Xylene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		o-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	93	74-140		1,2-Dichloroethane-d4	89	74-146	
Toluene-d8	98	88-112		Toluene-d8-TPPH	98	88-112	
1,4-Bromofluorobenzene	93	74-110					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-767-446	N/A	Aqueous	GC/MS WW	11/21/08	11/21/08 14:11	081121L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		p/m-Xylene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		o-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	114	74-140		1,2-Dichloroethane-d4	115	74-146	
Toluene-d8	95	88-112		Toluene-d8-TPPH	97	88-112	
1,4-Bromofluorobenzene	82	74-110					

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: 11/12/08
Work Order No: 08-11-1047
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-767-447**	**N/A**	**Aqueous**	**GC/MS UU**	**11/21/08**	**11/21/08 13:12**	**081121L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		p/m-Xylene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		o-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	104	74-140		1,2-Dichloroethane-d4	113	74-146	
Toluene-d8	98	88-112		Toluene-d8-TPPH	100	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
Method Blank	**099-12-767-450**	**N/A**	**Aqueous**	**GC/MS R**	**11/21/08**	**11/21/08 13:31**	**081121L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		p/m-Xylene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		o-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	92	74-140		1,2-Dichloroethane-d4	89	74-146	
Toluene-d8	97	88-112		Toluene-d8-TPPH	97	88-112	
1,4-Bromofluorobenzene	90	74-110					

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: 11/12/08
Work Order No: 08-11-1047
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-8 (10:28)	08-11-1047-6-A	11/11/08 10:28	Aqueous	GC/MS T	11/19/08	11/19/08 20:59	081119L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	29	0.50	1		p/m-Xylene	ND	1.0	1	
Ethylbenzene	5.4	1.0	1		o-Xylene	ND	1.0	1	
Toluene	ND	1.0	1		TPPH	480	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	99	74-140			1,2-Dichloroethane-d4	104	74-146		
Toluene-d8	99	88-112			Toluene-d8-TPPH	98	88-112		
1,4-Bromofluorobenzene	99	74-110							

S-9 (16:08)	08-11-1047-8-A	11/11/08 16:08	Aqueous	GC/MS T	11/19/08	11/19/08 21:30	081119L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	74	0.50	1		p/m-Xylene	52	1.0	1	
Ethylbenzene	22	1.0	1		o-Xylene	3.3	1.0	1	
Toluene	12	1.0	1		TPPH	550	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	103	74-140			1,2-Dichloroethane-d4	105	74-146		
Toluene-d8	98	88-112			Toluene-d8-TPPH	98	88-112		
1,4-Bromofluorobenzene	98	74-110							

S-12 (10:40)	08-11-1047-10-A	11/11/08 10:40	Aqueous	GC/MS T	11/19/08	11/19/08 22:01	081119L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	8.1	0.50	1		p/m-Xylene	1.5	1.0	1	
Ethylbenzene	4.8	1.0	1		o-Xylene	ND	1.0	1	
Toluene	2.2	1.0	1		TPPH	65	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	101	74-140			1,2-Dichloroethane-d4	104	74-146		
Toluene-d8	98	88-112			Toluene-d8-TPPH	98	88-112		
1,4-Bromofluorobenzene	99	74-110							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	11/12/08
1680 Rogers Avenue	Work Order No:	08-11-1047
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	ug/L
Project: 461 8th Street , Oakland, CA		Page 2 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-13 (11:27)	08-11-1047-12-A	11/11/08 11:27	Aqueous	GC/MS T	11/19/08	11/19/08 22:31	081119L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	560	10	20		p/m-Xylene	330	20	20	
Ethylbenzene	88	20	20		o-Xylene	200	20	20	
Toluene	630	20	20		TPPH	4400	1000	20	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	101	74-140			1,2-Dichloroethane-d4	106	74-146		
Toluene-d8	97	88-112			Toluene-d8-TPPH	97	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-14R (11:01)	08-11-1047-13-A	11/11/08 11:01	Aqueous	GC/MS T	11/19/08	11/19/08 23:02	081119L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	680	12	25		p/m-Xylene	710	25	25	
Ethylbenzene	ND	25	25		o-Xylene	400	25	25	
Toluene	270	25	25		TPPH	8500	1200	25	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	100	74-140			1,2-Dichloroethane-d4	104	74-146		
Toluene-d8	99	88-112			Toluene-d8-TPPH	99	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-14R (11:18)	08-11-1047-14-A	11/11/08 11:18	Aqueous	GC/MS T	11/19/08	11/19/08 23:32	081119L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	270	12	25		p/m-Xylene	320	25	25	
Ethylbenzene	43	25	25		o-Xylene	150	25	25	
Toluene	190	25	25		TPPH	4300	1200	25	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	100	74-140			1,2-Dichloroethane-d4	105	74-146		
Toluene-d8	99	88-112			Toluene-d8-TPPH	98	88-112		
1,4-Bromofluorobenzene	97	74-110							

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: 11/12/08
Work Order No: 08-11-1047
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-19 (12:05)	08-11-1047-19-B	11/11/08 12:05	Aqueous	GC/MS WW	11/20/08	11/20/08 17:25	081120L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	500	5.0	10		p/m-Xylene	650	10	10	
Ethylbenzene	25	10	10		o-Xylene	360	10	10	
Toluene	600	10	10		TPPH	7100	500	10	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	110	74-140			1,2-Dichloroethane-d4	110	74-146		
Toluene-d8	97	88-112			Toluene-d8-TPPH	99	88-112		
1,4-Bromofluorobenzene	92	74-110							

S-19 (12:23)	08-11-1047-20-A	11/11/08 12:23	Aqueous	GC/MS T	11/19/08	11/20/08 06:06	081119L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	110	0.50	1		p/m-Xylene	190	1.0	1	
Ethylbenzene	43	1.0	1		o-Xylene	90	1.0	1	
Toluene	160	1.0	1		TPPH	2300	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	103	74-140			1,2-Dichloroethane-d4	108	74-146		
Toluene-d8	99	88-112			Toluene-d8-TPPH	98	88-112		
1,4-Bromofluorobenzene	101	74-110							

S-20 (14:59)	08-11-1047-21-A	11/11/08 14:59	Aqueous	GC/MS T	11/19/08	11/20/08 06:36	081119L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	1300	25	50		p/m-Xylene	1300	50	50	
Ethylbenzene	80	50	50		o-Xylene	620	50	50	
Toluene	1600	50	50		TPPH	13000	2500	50	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	105	74-140			1,2-Dichloroethane-d4	109	74-146		
Toluene-d8	100	88-112			Toluene-d8-TPPH	99	88-112		
1,4-Bromofluorobenzene	99	74-110							

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: 11/12/08
Work Order No: 08-11-1047
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20 (15:15)	08-11-1047-22-B	11/11/08 15:15	Aqueous	GC/MS WW	11/20/08	11/20/08 17:54	081120L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	1100	10	20		p/m-Xylene	1400	20	20	
Ethylbenzene	220	20	20		o-Xylene	530	20	20	
Toluene	1800	20	20		TPPH	16000	1000	20	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	109	74-140			1,2-Dichloroethane-d4	108	74-146		
Toluene-d8	97	88-112			Toluene-d8-TPPH	99	88-112		
1,4-Bromofluorobenzene	91	74-110							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21A (12:44)	08-11-1047-23-B	11/11/08 12:44	Aqueous	GC/MS WW	11/20/08	11/20/08 18:22	081120L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	6100	50	100		p/m-Xylene	7600	25	25	
Ethylbenzene	1700	25	25		o-Xylene	2900	25	25	
Toluene	11000	100	100		TPPH	96000	1200	25	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	101	74-140			1,2-Dichloroethane-d4	102	74-146		
Toluene-d8	97	88-112			Toluene-d8-TPPH	98	88-112		
1,4-Bromofluorobenzene	91	74-110							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21A (13:00)	08-11-1047-24-A	11/11/08 13:00	Aqueous	GC/MS T	11/20/08	11/20/08 18:22	081120L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	6300	50	100		p/m-Xylene	7300	20	20	
Ethylbenzene	1700	20	20		o-Xylene	3000	20	20	
Toluene	13000	100	100		TPPH	87000	5000	100	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	105	74-140			1,2-Dichloroethane-d4	112	74-146		
Toluene-d8	100	88-112			Toluene-d8-TPPH	99	88-112		
1,4-Bromofluorobenzene	102	74-110							

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: 11/12/08
Work Order No: 08-11-1047
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21B (14:20)	08-11-1047-25-A	11/11/08 14:20	Aqueous	GC/MS T	11/20/08	11/20/08 21:56	081120L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	49	0.50	1		p/m-Xylene	360	1.0	1	
Ethylbenzene	93	1.0	1		o-Xylene	150	1.0	1	
Toluene	300	10	10		TPPH	3200	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	106	74-140			1,2-Dichloroethane-d4	115	74-146		
Toluene-d8	100	88-112			Toluene-d8-TPPH	99	88-112		
1,4-Bromofluorobenzene	99	74-110							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21B (14:42)	08-11-1047-26-A	11/11/08 14:42	Aqueous	GC/MS WW	11/20/08	11/20/08 18:50	081120L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	67	2.5	5		p/m-Xylene	700	5.0	5	
Ethylbenzene	150	5.0	5		o-Xylene	260	5.0	5	
Toluene	470	5.0	5		TPPH	7500	250	5	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	99	74-140			1,2-Dichloroethane-d4	102	74-146		
Toluene-d8	93	88-112			Toluene-d8-TPPH	98	88-112		
1,4-Bromofluorobenzene	91	74-110							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22A (14:50)	08-11-1047-27-A	11/11/08 14:50	Aqueous	GC/MS WW	11/20/08	11/20/08 19:19	081120L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	8500	50	100		p/m-Xylene	9700	25	25	
Ethylbenzene	2200	25	25		o-Xylene	4200	25	25	
Toluene	11000	100	100		TPPH	84000	5000	100	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	102	74-140			1,2-Dichloroethane-d4	101	74-146		
Toluene-d8	94	88-112			Toluene-d8-TPPH	96	88-112		
1,4-Bromofluorobenzene	93	74-110							

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: 11/12/08
Work Order No: 08-11-1047
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22A (15:19)	08-11-1047-28-A	11/11/08 15:19	Aqueous	GC/MS WW	11/20/08	11/20/08 19:47	081120L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	7600	50	100		p/m-Xylene	8200	100	100	
Ethylbenzene	2500	25	25		o-Xylene	4200	25	25	
Toluene	10000	100	100		TPPH	85000	5000	100	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	101	74-140			1,2-Dichloroethane-d4	100	74-146		
Toluene-d8	96	88-112			Toluene-d8-TPPH	97	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-22B (14:20)	08-11-1047-29-A	11/11/08 14:20	Aqueous	GC/MS T	11/20/08	11/20/08 22:26	081120L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		p/m-Xylene	1.2	1.0	1	
Ethylbenzene	ND	1.0	1		o-Xylene	ND	1.0	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	107	74-140			1,2-Dichloroethane-d4	116	74-146		
Toluene-d8	100	88-112			Toluene-d8-TPPH	99	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-22B (14:38)	08-11-1047-30-A	11/11/08 14:38	Aqueous	GC/MS WW	11/20/08	11/20/08 20:44	081120L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	3.3	0.50	1		p/m-Xylene	27	1.0	1	
Ethylbenzene	5.8	1.0	1		o-Xylene	11	1.0	1	
Toluene	12	1.0	1		TPPH	360	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	110	74-140			1,2-Dichloroethane-d4	112	74-146		
Toluene-d8	100	88-112			Toluene-d8-TPPH	101	88-112		
1,4-Bromofluorobenzene	88	74-110							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received: 11/12/08
1680 Rogers Avenue	Work Order No: 08-11-1047
San Jose, CA 95112-1105	Preparation: EPA 5030B
	Method: LUFT GC/MS / EPA 8260B
	Units: ug/L
Project: 461 8th Street , Oakland, CA	Page 7 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-23 (09:52)	08-11-1047-31-A	11/11/08 09:52	Aqueous	GC/MS WW	11/20/08	11/20/08 21:12	081120L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	640	5.0	10		p/m-Xylene	800	2.0	2	
Ethylbenzene	82	2.0	2		o-Xylene	460	10	10	
Toluene	610	10	10		TPPH	8800	500	10	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	97	74-140			1,2-Dichloroethane-d4	98	74-146		
Toluene-d8	100	88-112			Toluene-d8-TPPH	102	88-112		
1,4-Bromofluorobenzene	94	74-110							

S-23 (10:08)	08-11-1047-32-A	11/11/08 10:08	Aqueous	GC/MS WW	11/20/08	11/20/08 21:40	081120L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	520	5.0	10		p/m-Xylene	470	10	10	
Ethylbenzene	34	1.0	1		o-Xylene	290	10	10	
Toluene	640	10	10		TPPH	6400	500	10	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	95	74-140			1,2-Dichloroethane-d4	96	74-146		
Toluene-d8	98	88-112			Toluene-d8-TPPH	101	88-112		
1,4-Bromofluorobenzene	92	74-110							

Method Blank	099-12-767-431	N/A	Aqueous	GC/MS T	11/19/08	11/19/08 15:48	081119L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		p/m-Xylene	ND	1.0	1	
Ethylbenzene	ND	1.0	1		o-Xylene	ND	1.0	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	98	74-140			1,2-Dichloroethane-d4	100	74-146		
Toluene-d8	98	88-112			Toluene-d8-TPPH	97	88-112		
1,4-Bromofluorobenzene	97	74-110							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	11/12/08
1680 Rogers Avenue	Work Order No:	08-11-1047
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	ug/L

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-767-437	N/A	Aqueous	GC/MS WW	11/20/08	11/20/08 14:34	081120L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		p/m-Xylene	ND	1.0	1	
Ethylbenzene	ND	1.0	1		o-Xylene	ND	1.0	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	106	74-140			1,2-Dichloroethane-d4	105	74-146		
Toluene-d8	94	88-112			Toluene-d8-TPPH	97	88-112		
1,4-Bromofluorobenzene	82	74-110							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-767-441	N/A	Aqueous	GC/MS T	11/20/08	11/20/08 15:48	081120L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		p/m-Xylene	ND	1.0	1	
Ethylbenzene	ND	1.0	1		o-Xylene	ND	1.0	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	104	74-140			1,2-Dichloroethane-d4	112	74-146		
Toluene-d8	99	88-112			Toluene-d8-TPPH	98	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
Method Blank	099-12-767-443	N/A	Aqueous	GC/MS T	11/20/08	11/21/08 05:31	081120L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		p/m-Xylene	ND	1.0	1	
Ethylbenzene	ND	1.0	1		o-Xylene	ND	1.0	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	109	74-140			1,2-Dichloroethane-d4	117	74-146		
Toluene-d8	100	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.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	11/12/08
1680 Rogers Avenue	Work Order No:	08-11-1047
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	ug/L

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-767-448**	**N/A**	**Aqueous**	**GC/MS T**	**11/19/08**	**11/20/08 05:06**	**081119L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		p/m-Xylene	ND	1.0	1	
Ethylbenzene	ND	1.0	1		o-Xylene	ND	1.0	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	104	74-140			1,2-Dichloroethane-d4	107	74-146		
Toluene-d8	99	88-112			Toluene-d8-TPPH	98	88-112		
1,4-Bromofluorobenzene	98	74-110							

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: 11/12/08
Work Order No: 08-11-1047

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-8 (10:28)	08-11-1047-6	11/11/08	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	32	20	20		mg/L	N/A	11/12/08	EPA 300.0
Bromide	0.16	0.10	1		mg/L	N/A	11/12/08	EPA 300.0
Nitrate (as N)	4.4	0.10	1		mg/L	N/A	11/12/08	EPA 300.0
Sulfate	27	20	20		mg/L	N/A	11/12/08	EPA 300.0
Chromium, Hexavalent	22	1.0	1		ug/L	N/A	11/12/08	EPA 7199
Solids, Total Suspended	107	1.0	1		mg/L	N/A	11/13/08	SM 2540 D
Iron (II)	ND	0.10	1		mg/L	11/12/08	11/12/08	SM3500-FeB

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-9 (16:08)	08-11-1047-8	11/11/08	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	66	50	50		mg/L	N/A	11/12/08	EPA 300.0
Bromide	0.27	0.10	1		mg/L	N/A	11/12/08	EPA 300.0
Nitrate (as N)	2.7	0.10	1		mg/L	N/A	11/12/08	EPA 300.0
Sulfate	25	5.0	5		mg/L	N/A	11/12/08	EPA 300.0
Chromium, Hexavalent	ND	1.0	1		ug/L	N/A	11/12/08	EPA 7199
Solids, Total Suspended	140	1.0	1		mg/L	N/A	11/13/08	SM 2540 D
Iron (II)	0.11	0.10	1		mg/L	11/12/08	11/12/08	SM3500-FeB

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-12 (10:40)	08-11-1047-10	11/11/08	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	20	5.0	5		mg/L	N/A	11/12/08	EPA 300.0
Bromide	0.11	0.10	1		mg/L	N/A	11/12/08	EPA 300.0
Nitrate (as N)	1.9	0.10	1		mg/L	N/A	11/12/08	EPA 300.0
Sulfate	22	5.0	5		mg/L	N/A	11/12/08	EPA 300.0
Chromium, Hexavalent	ND	1.0	1		ug/L	N/A	11/12/08	EPA 7199
Solids, Total Suspended	1850	10	1		mg/L	N/A	11/13/08	SM 2540 D
Iron (II)	ND	0.10	1		mg/L	11/12/08	11/12/08	SM3500-FeB

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: 11/12/08
Work Order No: 08-11-1047

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-13 (11:27)	08-11-1047-12	11/11/08	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	23	5.0	5		mg/L	N/A	11/12/08	EPA 300.0
Bromide	0.11	0.10	1		mg/L	N/A	11/12/08	EPA 300.0
Nitrate (as N)	2.2	0.10	1		mg/L	N/A	11/12/08	EPA 300.0
Sulfate	20	5.0	5		mg/L	N/A	11/12/08	EPA 300.0
Chromium, Hexavalent	ND	1.0	1		ug/L	N/A	11/12/08	EPA 7199
Solids, Total Suspended	680	1.0	1		mg/L	N/A	11/13/08	SM 2540 D
Iron (II)	ND	0.10	1		mg/L	11/12/08	11/12/08	SM3500-FeB

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-14R (11:18)	08-11-1047-14	11/11/08	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	51	10	10		mg/L	N/A	11/12/08	EPA 300.0
Bromide	0.21	0.10	1		mg/L	N/A	11/12/08	EPA 300.0
Nitrate (as N)	4.1	0.10	1		mg/L	N/A	11/12/08	EPA 300.0
Sulfate	28	5.0	5		mg/L	N/A	11/12/08	EPA 300.0
Chromium, Hexavalent	16	1.0	1		ug/L	N/A	11/12/08	EPA 7199
Solids, Total Suspended	397	1.0	1		mg/L	N/A	11/13/08	SM 2540 D
Iron (II)	ND	0.10	1		mg/L	11/12/08	11/12/08	SM3500-FeB

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-19 (12:23)	08-11-1047-20	11/11/08	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	47	5.0	5		mg/L	N/A	11/12/08	EPA 300.0
Bromide	0.22	0.10	1		mg/L	N/A	11/12/08	EPA 300.0
Nitrate (as N)	3.2	0.10	1		mg/L	N/A	11/12/08	EPA 300.0
Sulfate	25	5.0	5		mg/L	N/A	11/12/08	EPA 300.0
Chromium, Hexavalent	36	1.0	1		ug/L	N/A	11/12/08	EPA 7199
Solids, Total Suspended	105	1.0	1		mg/L	N/A	11/13/08	SM 2540 D
Iron (II)	ND	0.10	1		mg/L	11/12/08	11/12/08	SM3500-FeB

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: 11/12/08
Work Order No: 08-11-1047

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-20 (15:15)	08-11-1047-22	11/11/08	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	27	5.0	5		mg/L	N/A	11/12/08	EPA 300.0
Bromide	0.13	0.10	1		mg/L	N/A	11/12/08	EPA 300.0
Nitrate (as N)	2.7	0.10	1		mg/L	N/A	11/12/08	EPA 300.0
Sulfate	26	5.0	5		mg/L	N/A	11/12/08	EPA 300.0
Chromium, Hexavalent	31	1.0	1		ug/L	N/A	11/12/08	EPA 7199
Solids, Total Suspended	252	1.0	1		mg/L	N/A	11/13/08	SM 2540 D
Iron (II)	ND	0.10	1		mg/L	11/12/08	11/12/08	SM3500-FeB

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-21A (13:00)	08-11-1047-24	11/11/08	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	90	50	50		mg/L	N/A	11/12/08	EPA 300.0
Bromide	0.98	0.10	1		mg/L	N/A	11/12/08	EPA 300.0
Nitrate (as N)	ND	0.10	1		mg/L	N/A	11/12/08	EPA 300.0
Sulfate	18	5.0	5		mg/L	N/A	11/12/08	EPA 300.0
Chromium, Hexavalent	ND	1.0	1		ug/L	N/A	11/12/08	EPA 7199
Solids, Total Suspended	7510	10	1		mg/L	N/A	11/13/08	SM 2540 D
Iron (II)	0.16	0.10	1		mg/L	11/12/08	11/12/08	SM3500-FeB

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-21B (14:42)	08-11-1047-26	11/11/08	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	37	5.0	5		mg/L	N/A	11/12/08	EPA 300.0
Bromide	0.17	0.10	1		mg/L	N/A	11/12/08	EPA 300.0
Nitrate (as N)	5.3	0.20	2		mg/L	N/A	11/12/08	EPA 300.0
Sulfate	40	5.0	5		mg/L	N/A	11/12/08	EPA 300.0
Chromium, Hexavalent	43	1.0	1		ug/L	N/A	11/12/08	EPA 7199
Solids, Total Suspended	42	1.0	1		mg/L	N/A	11/13/08	SM 2540 D
Iron (II)	ND	0.10	1		mg/L	11/12/08	11/12/08	SM3500-FeB

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: 11/12/08
Work Order No: 08-11-1047

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-22A (15:19)	08-11-1047-28	11/11/08	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	82	50	50		mg/L	N/A	11/12/08	EPA 300.0
Bromide	1.2	0.10	1		mg/L	N/A	11/12/08	EPA 300.0
Nitrate (as N)	ND	0.10	1		mg/L	N/A	11/12/08	EPA 300.0
Sulfate	13	2.0	2		mg/L	N/A	11/12/08	EPA 300.0
Chromium, Hexavalent	ND	1.0	1		ug/L	N/A	11/12/08	EPA 7199
Solids, Total Suspended	4770	10	1		mg/L	N/A	11/13/08	SM 2540 D
Iron (II)	2.6	0.10	1		mg/L	11/12/08	11/12/08	SM3500-FeB

S-22B (14:38)	08-11-1047-30	11/11/08	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	17	5.0	5		mg/L	N/A	11/12/08	EPA 300.0
Bromide	ND	0.10	1		mg/L	N/A	11/12/08	EPA 300.0
Nitrate (as N)	1.5	0.10	1		mg/L	N/A	11/12/08	EPA 300.0
Sulfate	19	5.0	5		mg/L	N/A	11/12/08	EPA 300.0
Chromium, Hexavalent	27	1.0	1		ug/L	N/A	11/12/08	EPA 7199
Solids, Total Suspended	18	1.0	1		mg/L	N/A	11/13/08	SM 2540 D
Iron (II)	ND	0.10	1		mg/L	11/12/08	11/12/08	SM3500-FeB

Method Blank	N/A	Aqueous	

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	ND	1.0	1		mg/L	N/A	11/12/08	EPA 300.0
Bromide	ND	0.10	1		mg/L	N/A	11/12/08	EPA 300.0
Nitrate (as N)	ND	0.10	1		mg/L	N/A	11/12/08	EPA 300.0
Sulfate	ND	1.0	1		mg/L	N/A	11/12/08	EPA 300.0
Chromium, Hexavalent	ND	1.0	1		ug/L	N/A	11/12/08	EPA 7199
Solids, Total Suspended	ND	1.0	1		mg/L	N/A	11/13/08	SM 2540 D
Iron (II)	ND	0.10	1		mg/L	11/12/08	11/12/08	SM3500-FeB

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: 11/12/08
Work Order No: 08-11-1047
Preparation: EPA 3010A Total
Method: EPA 6010B

Project 461 8th Street , Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-11-0829-1	Aqueous	ICP 5300	11/12/08	11/14/08	081112SA4

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	104	108	80-140	4	0-11	
Chromium	98	97	86-122	0	0-8	
Nickel	101	102	84-120	1	0-7	
Iron	120	121	65-149	1	0-21	
Manganese	101	101	86-116	0	0-7	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc.		Date Received:	11/12/08
1680 Rogers Avenue		Work Order No:	08-11-1047
San Jose, CA 95112-1105		Preparation:	EPA 3010A Total
		Method:	EPA 6010B

Project 461 8th Street , Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-11-1318-1	Aqueous	ICP 5300	11/14/08	11/15/08	081114SA7

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	105	104	80-140	1	0-11	
Chromium	101	101	86-122	0	0-8	
Nickel	101	101	84-120	0	0-7	
Iron	105	117	65-149	8	0-21	
Manganese	105	111	86-116	1	0-7	

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: 11/12/08
Work Order No: 08-11-1047
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 461 8th Street , Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-11-1071-11	Aqueous	GC/MS R	11/20/08	11/20/08	081120S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	95	101	88-118	6	0-7	
Carbon Tetrachloride	82	90	67-145	8	0-11	
Chlorobenzene	99	104	88-118	5	0-7	
1,2-Dibromoethane	98	104	70-130	6	0-30	
1,2-Dichlorobenzene	96	100	86-116	5	0-8	
1,1-Dichloroethene	99	105	70-130	6	0-25	
Ethylbenzene	96	102	70-130	5	0-30	
Toluene	96	103	87-123	7	0-8	
Trichloroethene	92	99	79-127	7	0-10	
Vinyl Chloride	102	110	69-129	7	0-13	
Methyl-t-Butyl Ether (MTBE)	70	68	71-131	1	0-13	3
Tert-Butyl Alcohol (TBA)	78	86	36-168	9	0-45	
Diisopropyl Ether (DIPE)	90	95	81-123	6	0-9	
Ethyl-t-Butyl Ether (ETBE)	87	91	72-126	5	0-12	
Tert-Amyl-Methyl Ether (TAME)	89	94	72-126	6	0-12	
Ethanol	80	84	53-149	5	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: 11/12/08
Work Order No: 08-11-1047
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 461 8th Street , Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-11-1173-1	Aqueous	GC/MS R	11/20/08	11/21/08	081120S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	97	93	88-118	4	0-7	
Carbon Tetrachloride	81	81	67-145	0	0-11	
Chlorobenzene	99	95	88-118	4	0-7	
1,2-Dibromoethane	100	96	70-130	4	0-30	
1,2-Dichlorobenzene	98	93	86-116	5	0-8	
1,1-Dichloroethene	99	97	70-130	3	0-25	
Ethylbenzene	96	93	70-130	4	0-30	
Toluene	99	95	87-123	4	0-8	
Trichloroethene	96	90	79-127	6	0-10	
Vinyl Chloride	97	100	69-129	2	0-13	
Methyl-t-Butyl Ether (MTBE)	94	89	71-131	5	0-13	
Tert-Butyl Alcohol (TBA)	85	80	36-168	6	0-45	
Diisopropyl Ether (DIPE)	91	88	81-123	4	0-9	
Ethyl-t-Butyl Ether (ETBE)	87	85	72-126	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	91	87	72-126	4	0-12	
Ethanol	84	78	53-149	8	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: 11/12/08
Work Order No: 08-11-1047
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 461 8th Street , Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-11-1173-6	Aqueous	GC/MS R	11/21/08	11/21/08	081121S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	98	101	88-118	3	0-7	
Carbon Tetrachloride	87	92	67-145	6	0-11	
Chlorobenzene	100	104	88-118	4	0-7	
1,2-Dibromoethane	100	105	70-130	5	0-30	
1,2-Dichlorobenzene	99	101	86-116	2	0-8	
1,1-Dichloroethene	104	106	70-130	2	0-25	
Ethylbenzene	98	103	70-130	5	0-30	
Toluene	99	104	87-123	5	0-8	
Trichloroethene	96	101	79-127	5	0-10	
Vinyl Chloride	106	112	69-129	6	0-13	
Methyl-t-Butyl Ether (MTBE)	96	98	71-131	2	0-13	
Tert-Butyl Alcohol (TBA)	85	81	36-168	4	0-45	
Diisopropyl Ether (DIPE)	93	96	81-123	4	0-9	
Ethyl-t-Butyl Ether (ETBE)	89	92	72-126	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	90	94	72-126	3	0-12	
Ethanol	84	85	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.	Date Received: 11/12/08
1680 Rogers Avenue	Work Order No: 08-11-1047
San Jose, CA 95112-1105	Preparation: EPA 5030B
	Method: LUFT GC/MS / EPA 8260B

Project 461 8th Street , Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-8 (10:15)	Aqueous	GC/MS UU	11/21/08	11/21/08	081121S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	92	96	88-118	2	0-7	
Carbon Tetrachloride	117	123	67-145	5	0-11	
Chlorobenzene	101	99	88-118	2	0-7	
1,2-Dibromoethane	103	99	70-130	4	0-30	
1,2-Dichlorobenzene	102	102	86-116	0	0-8	
1,1-Dichloroethene	104	106	70-130	2	0-25	
Ethylbenzene	103	102	70-130	1	0-30	
Toluene	99	99	87-123	0	0-8	
Trichloroethene	102	102	79-127	1	0-10	
Vinyl Chloride	105	111	69-129	6	0-13	
Methyl-t-Butyl Ether (MTBE)	104	105	71-131	0	0-13	
Tert-Butyl Alcohol (TBA)	108	97	36-168	10	0-45	
Diisopropyl Ether (DIPE)	109	110	81-123	1	0-9	
Ethyl-t-Butyl Ether (ETBE)	107	108	72-126	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	103	102	72-126	0	0-12	
Ethanol	99	93	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: 11/12/08
Work Order No: 08-11-1047
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 461 8th Street , Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-11-1163-2	Aqueous	GC/MS WW	11/21/08	11/21/08	081121S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	93	83	88-118	7	0-7	3
Carbon Tetrachloride	94	89	67-145	6	0-11	
Chlorobenzene	99	92	88-118	8	0-7	4
1,2-Dibromoethane	102	97	70-130	5	0-30	
1,2-Dichlorobenzene	97	96	86-116	1	0-8	
1,1-Dichloroethene	99	100	70-130	0	0-25	
Ethylbenzene	99	70	70-130	15	0-30	
Toluene	102	93	87-123	9	0-8	4
Trichloroethene	94	88	79-127	7	0-10	
Vinyl Chloride	86	95	69-129	11	0-13	
Methyl-t-Butyl Ether (MTBE)	94	92	71-131	2	0-13	
Tert-Butyl Alcohol (TBA)	100	102	36-168	2	0-45	
Diisopropyl Ether (DIPE)	104	105	81-123	1	0-9	
Ethyl-t-Butyl Ether (ETBE)	94	93	72-126	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	102	96	72-126	6	0-12	
Ethanol	111	115	53-149	4	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: 11/12/08
Work Order No: 08-11-1047
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 461 8th Street , Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-11-0955-8	Aqueous	GC/MS T	11/19/08	11/19/08	081119S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	89	89	88-118	1	0-7	
Carbon Tetrachloride	74	78	67-145	6	0-11	
Chlorobenzene	99	99	88-118	1	0-7	
1,2-Dibromoethane	93	91	70-130	2	0-30	
1,2-Dichlorobenzene	108	107	86-116	1	0-8	
1,1-Dichloroethene	70	70	70-130	0	0-25	
Ethylbenzene	97	96	70-130	1	0-30	
Toluene	96	98	87-123	1	0-8	
Trichloroethene	87	88	79-127	2	0-10	
Vinyl Chloride	77	78	69-129	1	0-13	
Methyl-t-Butyl Ether (MTBE)	86	87	71-131	1	0-13	
Tert-Butyl Alcohol (TBA)	84	84	36-168	0	0-45	
Diisopropyl Ether (DIPE)	90	90	81-123	1	0-9	
Ethyl-t-Butyl Ether (ETBE)	94	94	72-126	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	94	94	72-126	0	0-12	
Ethanol	82	79	53-149	3	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc.	Date Received: 11/12/08
1680 Rogers Avenue	Work Order No: 08-11-1047
San Jose, CA 95112-1105	Preparation: EPA 5030B
	Method: LUFT GC/MS / EPA 8260B

Project 461 8th Street , Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-11-1235-1	Aqueous	GC/MS T	11/20/08	11/20/08	081120S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	91	90	88-118	1	0-7	
Carbon Tetrachloride	85	86	67-145	0	0-11	
Chlorobenzene	96	96	88-118	0	0-7	
1,2-Dibromoethane	87	88	70-130	1	0-30	
1,2-Dichlorobenzene	104	102	86-116	1	0-8	
1,1-Dichloroethene	103	102	70-130	1	0-25	
Ethylbenzene	94	94	70-130	0	0-30	
Toluene	96	95	87-123	1	0-8	
Trichloroethene	89	89	79-127	1	0-10	
Vinyl Chloride	93	90	69-129	3	0-13	
Methyl-t-Butyl Ether (MTBE)	94	92	71-131	1	0-13	
Tert-Butyl Alcohol (TBA)	89	86	36-168	4	0-45	
Diisopropyl Ether (DIPE)	89	88	81-123	2	0-9	
Ethyl-t-Butyl Ether (ETBE)	96	95	72-126	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	92	91	72-126	1	0-12	
Ethanol	99	91	53-149	9	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc.	Date Received: 11/12/08
1680 Rogers Avenue	Work Order No: 08-11-1047
San Jose, CA 95112-1105	Preparation: EPA 5030B
	Method: LUFT GC/MS / EPA 8260B

Project 461 8th Street , Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-11-0912-7	Aqueous	GC/MS WW	11/20/08	11/20/08	081120S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100	96	88-118	4	0-7	
Carbon Tetrachloride	95	92	67-145	2	0-11	
Chlorobenzene	99	95	88-118	4	0-7	
1,2-Dibromoethane	101	98	70-130	3	0-30	
1,2-Dichlorobenzene	104	97	86-116	7	0-8	
1,1-Dichloroethene	100	100	70-130	1	0-25	
Ethylbenzene	103	97	70-130	6	0-30	
Toluene	108	98	87-123	10	0-8	4
Trichloroethene	98	92	79-127	7	0-10	
Vinyl Chloride	87	98	69-129	12	0-13	
Methyl-t-Butyl Ether (MTBE)	94	85	71-131	9	0-13	
Tert-Butyl Alcohol (TBA)	94	79	36-168	17	0-45	
Diisopropyl Ether (DIPE)	104	107	81-123	3	0-9	
Ethyl-t-Butyl Ether (ETBE)	94	96	72-126	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	106	101	72-126	4	0-12	
Ethanol	85	122	53-149	36	0-31	4

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc.		Date Received:	11/12/08
1680 Rogers Avenue		Work Order No:	08-11-1047
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B

Project 461 8th Street , Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-11-1235-2	Aqueous	GC/MS T	11/20/08	11/21/08	081120S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	89	89	88-118	1	0-7	
Carbon Tetrachloride	85	87	67-145	1	0-11	
Chlorobenzene	95	93	88-118	2	0-7	
1,2-Dibromoethane	89	89	70-130	1	0-30	
1,2-Dichlorobenzene	100	100	86-116	0	0-8	
1,1-Dichloroethene	104	102	70-130	3	0-25	
Ethylbenzene	93	91	70-130	3	0-30	
Toluene	95	93	87-123	2	0-8	
Trichloroethene	89	88	79-127	2	0-10	
Vinyl Chloride	88	85	69-129	3	0-13	
Methyl-t-Butyl Ether (MTBE)	95	95	71-131	0	0-13	
Tert-Butyl Alcohol (TBA)	88	90	36-168	2	0-45	
Diisopropyl Ether (DIPE)	86	85	81-123	2	0-9	
Ethyl-t-Butyl Ether (ETBE)	94	93	72-126	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	91	90	72-126	1	0-12	
Ethanol	96	90	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: N/A
Work Order No: 08-11-1047

Project: 461 8th Street , Oakland, CA

Matrix: Aqueous

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	MS% REC	MSD % REC	%REC CL	RPD	RPD CL	Qualifiers
Chloride	EPA 300.0	08-11-1112-1	11/12/08	N/A	103	104	56-134	1	0-3	
Bromide	EPA 300.0	08-11-1112-1	11/12/08	N/A	104	105	74-128	1	0-9	
Nitrate (as N)	EPA 300.0	08-11-1112-1	11/12/08	N/A	103	103	58-142	0	0-6	
Sulfate	EPA 300.0	08-11-1112-1	11/12/08	N/A	111	111	49-133	0	0-3	
Chromium, Hexavalent	EPA 7199	S-9 (16:08)	11/12/08	N/A	106	105	70-130	2	0-25	
Iron (II)	SM3500-FeB	S-22B (14:38)	11/12/08	11/12/08	98	98	70-130	0	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

Blaine Tech Services, Inc.	Date Received:	N/A
1680 Rogers Avenue	Work Order No:	08-11-1047
San Jose, CA 95112-1105		

Project: 461 8th Street , Oakland, CA

Matrix: Aqueous

Parameter	Method	QC Sample ID	Date Analyzed	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Solids, Total Suspended	SM 2540 D	08-11-1202-1	11/13/08	197	205	4	0-20	

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: 08-11-1047
San Jose, CA 95112-1105	Preparation: EPA 3010A Total
	Method: EPA 6010B

Project: 461 8th Street , Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-003-8,805	Aqueous	ICP 5300	11/12/08	11/14/08	081112LA4

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	99	101	80-120	2	0-20	
Chromium	105	106	80-120	1	0-20	
Nickel	113	115	80-120	2	0-20	
Iron	108	110	80-120	2	0-20	
Manganese	108	108	80-120	0	0-20	

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:	08-11-1047
San Jose, CA 95112-1105		Preparation:	EPA 3005A Filt.
		Method:	EPA 6010B

Project: 461 8th Street , Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-003-8,813	Aqueous	ICP 5300	11/14/08	11/15/08	081114LA7F

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	105	105	80-120	0	0-20	
Chromium	106	106	80-120	0	0-20	
Nickel	113	113	80-120	0	0-20	
Iron	110	110	80-120	0	0-20	
Manganese	107	108	80-120	1	0-20	

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: 08-11-1047
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 461 8th Street , Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-440	Aqueous	GC/MS R	11/20/08	11/20/08	081120L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	104	110	84-120	78-126	6	0-8	
Carbon Tetrachloride	93	101	63-147	49-161	8	0-10	
Chlorobenzene	107	111	89-119	84-124	4	0-7	
1,2-Dibromoethane	102	102	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	105	107	89-119	84-124	2	0-9	
1,1-Dichloroethene	112	118	77-125	69-133	6	0-16	
Ethylbenzene	107	111	80-120	73-127	4	0-20	
Toluene	106	112	83-125	76-132	5	0-9	
Trichloroethene	106	113	89-119	84-124	6	0-8	
Vinyl Chloride	117	124	63-135	51-147	6	0-13	
Methyl-t-Butyl Ether (MTBE)	94	96	82-118	76-124	2	0-13	
Tert-Butyl Alcohol (TBA)	79	90	46-154	28-172	13	0-32	
Diisopropyl Ether (DIPE)	94	98	81-123	74-130	4	0-11	
Ethyl-t-Butyl Ether (ETBE)	89	92	74-122	66-130	4	0-12	
Tert-Amyl-Methyl Ether (TAME)	90	93	76-124	68-132	3	0-10	
Ethanol	93	104	60-138	47-151	12	0-32	
TPPH	87	76	65-135	53-147	13	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: 08-11-1047
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 461 8th Street , Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-445	Aqueous	GC/MS R	11/20/08	11/21/08	081120L02

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	94	98	84-120	78-126	4	0-8	
Carbon Tetrachloride	81	89	63-147	49-161	9	0-10	
Chlorobenzene	97	101	89-119	84-124	5	0-7	
1,2-Dibromoethane	100	100	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	95	97	89-119	84-124	3	0-9	
1,1-Dichloroethene	96	105	77-125	69-133	9	0-16	
Ethylbenzene	93	100	80-120	73-127	8	0-20	
Toluene	96	99	83-125	76-132	3	0-9	
Trichloroethene	96	101	89-119	84-124	5	0-8	
Vinyl Chloride	97	108	63-135	51-147	11	0-13	
Methyl-t-Butyl Ether (MTBE)	95	92	82-118	76-124	3	0-13	
Tert-Butyl Alcohol (TBA)	86	83	46-154	28-172	3	0-32	
Diisopropyl Ether (DIPE)	89	91	81-123	74-130	2	0-11	
Ethyl-t-Butyl Ether (ETBE)	88	86	74-122	66-130	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	91	87	76-124	68-132	4	0-10	
Ethanol	86	94	60-138	47-151	9	0-32	
TPPH	79	83	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.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc.	Date Received: N/A
1680 Rogers Avenue	Work Order No: 08-11-1047
San Jose, CA 95112-1105	Preparation: EPA 5030B
	Method: LUFT GC/MS / EPA 8260B

Project: 461 8th Street , Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-450	Aqueous	GC/MS R	11/21/08	11/21/08	081121L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	104	98	84-120	78-126	6	0-8	
Carbon Tetrachloride	92	88	63-147	49-161	4	0-10	
Chlorobenzene	106	101	89-119	84-124	5	0-7	
1,2-Dibromoethane	102	102	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	103	99	89-119	84-124	4	0-9	
1,1-Dichloroethene	111	103	77-125	69-133	7	0-16	
Ethylbenzene	105	100	80-120	73-127	5	0-20	
Toluene	106	101	83-125	76-132	5	0-9	
Trichloroethene	105	99	89-119	84-124	6	0-8	
Vinyl Chloride	116	108	63-135	51-147	7	0-13	
Methyl-t-Butyl Ether (MTBE)	93	94	82-118	76-124	1	0-13	
Tert-Butyl Alcohol (TBA)	88	95	46-154	28-172	7	0-32	
Diisopropyl Ether (DIPE)	94	92	81-123	74-130	3	0-11	
Ethyl-t-Butyl Ether (ETBE)	89	89	74-122	66-130	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	91	91	76-124	68-132	0	0-10	
Ethanol	94	95	60-138	47-151	1	0-32	
TPPH	83	82	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: 08-11-1047
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 461 8th Street , Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-447	Aqueous	GC/MS UU	11/21/08	11/21/08	081121L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	100	99	84-120	78-126	1	0-8	
Carbon Tetrachloride	118	119	63-147	49-161	1	0-10	
Chlorobenzene	101	104	89-119	84-124	2	0-7	
1,2-Dibromoethane	103	103	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	104	102	89-119	84-124	2	0-9	
1,1-Dichloroethene	108	106	77-125	69-133	2	0-16	
Ethylbenzene	106	106	80-120	73-127	0	0-20	
Toluene	101	100	83-125	76-132	1	0-9	
Trichloroethene	104	103	89-119	84-124	1	0-8	
Vinyl Chloride	108	107	63-135	51-147	1	0-13	
Methyl-t-Butyl Ether (MTBE)	103	106	82-118	76-124	3	0-13	
Tert-Butyl Alcohol (TBA)	108	105	46-154	28-172	3	0-32	
Diisopropyl Ether (DIPE)	108	109	81-123	74-130	1	0-11	
Ethyl-t-Butyl Ether (ETBE)	106	106	74-122	66-130	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	104	103	76-124	68-132	0	0-10	
Ethanol	85	97	60-138	47-151	13	0-32	
TPPH	88	91	65-135	53-147	3	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc.	Date Received: N/A
1680 Rogers Avenue	Work Order No: 08-11-1047
San Jose, CA 95112-1105	Preparation: EPA 5030B
	Method: LUFT GC/MS / EPA 8260B

Project: 461 8th Street , Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-446	Aqueous	GC/MS WW	11/21/08	11/21/08	081121L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	92	95	84-120	78-126	3	0-8	
Carbon Tetrachloride	93	97	63-147	49-161	4	0-10	
Chlorobenzene	94	98	89-119	84-124	5	0-7	
1,2-Dibromoethane	97	101	80-120	73-127	4	0-20	
1,2-Dichlorobenzene	94	100	89-119	84-124	6	0-9	
1,1-Dichloroethene	98	103	77-125	69-133	5	0-16	
Ethylbenzene	96	98	80-120	73-127	2	0-20	
Toluene	100	103	83-125	76-132	3	0-9	
Trichloroethene	93	99	89-119	84-124	6	0-8	
Vinyl Chloride	89	96	63-135	51-147	7	0-13	
Methyl-t-Butyl Ether (MTBE)	90	90	82-118	76-124	1	0-13	
Tert-Butyl Alcohol (TBA)	110	104	46-154	28-172	5	0-32	
Diisopropyl Ether (DIPE)	102	105	81-123	74-130	3	0-11	
Ethyl-t-Butyl Ether (ETBE)	91	93	74-122	66-130	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	101	101	76-124	68-132	1	0-10	
Ethanol	128	145	60-138	47-151	13	0-32	ME
TPPH	83	85	65-135	53-147	3	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 1
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: 08-11-1047
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 461 8th Street , Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-431	Aqueous	GC/MS T	11/19/08	11/19/08	081119L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	89	89	84-120	78-126	0	0-8	
Carbon Tetrachloride	79	79	63-147	49-161	1	0-10	
Chlorobenzene	93	95	89-119	84-124	2	0-7	
1,2-Dibromoethane	87	89	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	104	103	89-119	84-124	1	0-9	
1,1-Dichloroethene	81	83	77-125	69-133	3	0-16	
Ethylbenzene	91	93	80-120	73-127	2	0-20	
Toluene	92	94	83-125	76-132	2	0-9	
Trichloroethene	86	86	89-119	84-124	0	0-8	ME
Vinyl Chloride	70	71	63-135	51-147	2	0-13	
Methyl-t-Butyl Ether (MTBE)	84	86	82-118	76-124	3	0-13	
Tert-Butyl Alcohol (TBA)	75	81	46-154	28-172	8	0-32	
Diisopropyl Ether (DIPE)	89	90	81-123	74-130	2	0-11	
Ethyl-t-Butyl Ether (ETBE)	93	95	74-122	66-130	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	90	91	76-124	68-132	1	0-10	
Ethanol	71	74	60-138	47-151	3	0-32	
TPPH	77	73	65-135	53-147	5	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 1
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: 08-11-1047
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 461 8th Street , Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-448	Aqueous	GC/MS T	11/19/08	11/20/08	081119L02

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	82	80	63-147	49-161	2	0-10	
Chlorobenzene	104	100	89-119	84-124	4	0-7	
1,2-Dibromoethane	97	91	80-120	73-127	6	0-20	
1,2-Dichlorobenzene	112	109	89-119	84-124	3	0-9	
1,1-Dichloroethene	73	73	77-125	69-133	0	0-16	ME
Ethylbenzene	102	99	80-120	73-127	3	0-20	
Toluene	100	100	83-125	76-132	0	0-9	
Trichloroethene	94	93	89-119	84-124	1	0-8	
Vinyl Chloride	87	86	63-135	51-147	1	0-13	
Methyl-t-Butyl Ether (MTBE)	89	86	82-118	76-124	3	0-13	
Tert-Butyl Alcohol (TBA)	95	91	46-154	28-172	4	0-32	
Diisopropyl Ether (DIPE)	92	89	81-123	74-130	3	0-11	
Ethyl-t-Butyl Ether (ETBE)	96	93	74-122	66-130	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	94	92	76-124	68-132	2	0-10	
Ethanol	99	98	60-138	47-151	2	0-32	
TPPH	83	79	65-135	53-147	5	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 1
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: 08-11-1047
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 461 8th Street , Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-441	Aqueous	GC/MS T	11/20/08	11/20/08	081120L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	97	93	84-120	78-126	4	0-8	
Carbon Tetrachloride	93	88	63-147	49-161	6	0-10	
Chlorobenzene	103	98	89-119	84-124	4	0-7	
1,2-Dibromoethane	93	93	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	106	104	89-119	84-124	2	0-9	
1,1-Dichloroethene	114	106	77-125	69-133	8	0-16	
Ethylbenzene	103	96	80-120	73-127	6	0-20	
Toluene	103	98	83-125	76-132	5	0-9	
Trichloroethene	96	93	89-119	84-124	4	0-8	
Vinyl Chloride	103	96	63-135	51-147	7	0-13	
Methyl-t-Butyl Ether (MTBE)	95	93	82-118	76-124	2	0-13	
Tert-Butyl Alcohol (TBA)	101	104	46-154	28-172	3	0-32	
Diisopropyl Ether (DIPE)	92	88	81-123	74-130	4	0-11	
Ethyl-t-Butyl Ether (ETBE)	98	94	74-122	66-130	4	0-12	
Tert-Amyl-Methyl Ether (TAME)	92	91	76-124	68-132	1	0-10	
Ethanol	114	108	60-138	47-151	5	0-32	
TPPH	86	85	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: 08-11-1047
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 461 8th Street , Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-437	Aqueous	GC/MS WW	11/20/08	11/20/08	081120L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	101	101	84-120	78-126	0	0-8	
Carbon Tetrachloride	99	99	63-147	49-161	0	0-10	
Chlorobenzene	103	102	89-119	84-124	1	0-7	
1,2-Dibromoethane	107	98	80-120	73-127	10	0-20	
1,2-Dichlorobenzene	100	103	89-119	84-124	3	0-9	
1,1-Dichloroethene	109	111	77-125	69-133	2	0-16	
Ethylbenzene	107	108	80-120	73-127	1	0-20	
Toluene	106	104	83-125	76-132	1	0-9	
Trichloroethene	102	100	89-119	84-124	2	0-8	
Vinyl Chloride	100	112	63-135	51-147	12	0-13	
Methyl-t-Butyl Ether (MTBE)	95	87	82-118	76-124	9	0-13	
Tert-Butyl Alcohol (TBA)	109	110	46-154	28-172	1	0-32	
Diisopropyl Ether (DIPE)	109	102	81-123	74-130	7	0-11	
Ethyl-t-Butyl Ether (ETBE)	98	90	74-122	66-130	9	0-12	
Tert-Amyl-Methyl Ether (TAME)	104	95	76-124	68-132	9	0-10	
Ethanol	110	144	60-138	47-151	27	0-32	ME
TPPH	85	79	65-135	53-147	7	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 1
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: 08-11-1047
San Jose, CA 95112-1105	Preparation: EPA 5030B
	Method: LUFT GC/MS / EPA 8260B

Project: 461 8th Street , Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-443	Aqueous	GC/MS T	11/20/08	11/21/08	081120L02

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	94	90	84-120	78-126	4	0-8	
Carbon Tetrachloride	91	89	63-147	49-161	2	0-10	
Chlorobenzene	97	94	89-119	84-124	3	0-7	
1,2-Dibromoethane	90	90	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	102	102	89-119	84-124	1	0-9	
1,1-Dichloroethene	111	105	77-125	69-133	6	0-16	
Ethylbenzene	97	95	80-120	73-127	3	0-20	
Toluene	100	95	83-125	76-132	5	0-9	
Trichloroethene	100	95	89-119	84-124	5	0-8	
Vinyl Chloride	94	92	63-135	51-147	2	0-13	
Methyl-t-Butyl Ether (MTBE)	93	91	82-118	76-124	2	0-13	
Tert-Butyl Alcohol (TBA)	87	88	46-154	28-172	1	0-32	
Diisopropyl Ether (DIPE)	88	84	81-123	74-130	4	0-11	
Ethyl-t-Butyl Ether (ETBE)	94	90	74-122	66-130	4	0-12	
Tert-Amyl-Methyl Ether (TAME)	91	87	76-124	68-132	4	0-10	
Ethanol	103	92	60-138	47-151	12	0-32	
TPPH	84	82	65-135	53-147	2	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: 08-11-1047

Project: 461 8th Street , Oakland, CA

Matrix: Aqueous

Parameter	Method	Quality Control Sample ID	Date Extracted	Date Analyzed	LCS % REC	LCSD % REC	%REC CL	RPD	RPD CL	Qual
Chloride	EPA 300.0	099-05-118-4,867	N/A	11/12/08	102	104	81-111	2	0-5	
Bromide	EPA 300.0	099-05-118-4,867	N/A	11/12/08	103	105	85-115	2	0-7	
Nitrate (as N)	EPA 300.0	099-05-118-4,867	N/A	11/12/08	101	104	87-111	2	0-12	
Sulfate	EPA 300.0	099-05-118-4,867	N/A	11/12/08	104	103	89-107	2	0-13	
Chromium, Hexavalent	EPA 7199	099-05-123-2,220	N/A	11/12/08	96	98	80-120	2	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

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

Date Received: N/A
Work Order No: 08-11-1047

Project: 461 8th Street , Oakland, CA

Matrix : Aqueous

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Iron (II)	SM3500-FeB	099-05-111-3,103	11/12/08	11/12/08	1.00	0.980	98	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 08-11-1047

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.

From: Sparrowe, Tom
To: Jessie Kim;
cc: Filing; Mike Ninokata;
Subject: 241501-461 8th St Oakland 4Q08 GW sample analyses
Date: Friday, November 14, 2008 11:44:33 AM

Jessie,

As a follow up to today's telephone conversation, please analyze 4Q08 groundwater samples collected by Blaine Tech on November 11, 2008 at the above referenced subject site for total and dissolved metals.

Thank you,

Tom Sparrowe, PG
Conestoga-Rovers & Associates, Inc. (CRA)
5900 Hollis St., Suite A
Emeryville, CA 94608
Direct: 510-420-3316
Cell: 510-385-0646
Fax: 510-420-9170

Visit us at www.craworld.com

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): 9 7 0 9 3 3 9 9 ☐ CHECK IF NO INCIDENT # APPLIES

PO # / SAP #

DATE: 11/11/08

PAGE: 1 of 4

SAMPLING COMPANY: Blaine Tech Services

LOG CODE: BTSS

SITE ADDRESS: Street and City: 461 8th St., Oakland

State: CA

GLOBAL ID NO.: T0600101263

ADDRESS: 1680 Rogers Ave, San Jose, CA 95112

EDF DELIVERABLE TO (Name, Company, Office Location): Anni Kreml, CRA, Emeryville Office

PHONE NO.: 510-420-3335

E-MAIL: shelledf@craworld.com

CONSULTANT PROJECT NO.: 081111-1W-1

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): IAN WILLIAMS

LAB USE ONLY: 08-11-1047

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: Short Holds
One extra 1 liter NP Poly provided for possible additional analyses to be determined by CRA

- ☐ 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	EDTA	NO. OF CONT.	TPH - Purgeable (8260B)	BTEX (8260B)	MTBE (8260B)	EDB (8260B)	EDC (8260B)	Nitrate, Sulfate, Chloride	Bromide, Ferrous Iron	Chromium VI	Ferric (total) Iron, Manganese	Arsenic, Nickel, Chromium	Bromate	Total Suspended Solids	TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
1	S-5	11/11/08	0820	W	X					3	X	X	X	X	X								
2	S-5		0835		X					3	X	X	X	X	X								
3	S-6		0915		X					3	X	X	X	X	X								
4	S-6		0930		X					3	X	X	X	X	X								
5	S-8		1015		X					3	X	X	X	X	X								
6	S-8		1028		X	X		X	X	8	X	X				X	X	X	X	X	X	X	
7	S-9		1555		X					3	X	X	X	X	X								
8	S-9		1608		X	X		X	X	8	X	X				X	X	X	X	X	X	X	
9	S-12		1022		X					3	X	X	X	X	X								
10	S-12	↓	1040	↓	X	X		X	X	8	X	X				X	X	X	X	X	X	X	

Relinquished by: (Signature)	Received by: (Signature) (SAMPLE CUSTODIAN)	Date: 11/11/08	Time: 1900
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature) SHIP VIA GSO	Received by: (Signature)	Date: 11/12/08	Time: 0830

05/2/06 Revision

510721921
510721923
510721920

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): 97093399
SAP #:
☐ CHECK IF NO INCIDENT # APPLIES
DATE: 11/11/08
PAGE: 2 of 4

SAMPLING COMPANY: Blaine Tech Services
LOG CODE: BTSS
SITE ADDRESS: Street and City: 461 8th St., Oakland
State: CA
GLOBAL ID NO.: T0600101263
ADDRESS: 1680 Rogers Ave, San Jose, CA 95112
EDF DELIVERABLE TO (Name, Company, Office Location): Anni Kreml, CRA, Emeryville Office
PHONE NO.: 510-420-3335
E-MAIL: shelledf@craworld.com
CONSULTANT PROJECT NO.: 081111-CW-1
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): IAN WILLIAMS
LAB USE ONLY: 08-11-0047

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: Short Holds
One extra 1 liter NP Poly provided for possible additional analyses to be determined by CRA

☐ 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	EDTA	NO. OF CONT.	TPH - Purgeable (8260B)	BTEX (8260B)	MTBE (8260B)	EDB (8260B)	EDC (8260B)	Nitrate, Sulfate, Chloride	Bromide, Ferrous Iron	Chromium VI	Ferric (total) Iron, Manganese	Arsenic, Nickel, Chromium	Bromate	Total Suspended Solids	TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
11	S-13	11/11/08	1115	W	X					3	X	X	X	X	X								
12	S-13		1127		X	X		X	X	8	X	X				X	X	X	X	X	X	X	
13	S-14R		1101		X					3	X	X											
14	S-14R		1118		X	X		X	X	8	X	X				X	X	X	X	X	X	X	
15	S-17		1211		X					3	X	X	X	X	X								
16	S-17		1228		X					3	X	X	X	X	X								
17	S-18		1148		X					3	X	X	X	X	X								
18	S-18		1204		X					3	X	X	X	X	X								
19	S-19		1205		X					3	X	X											
20	S-19		1223		X	X		X	X	8	X	X				X	X	X	X	X	X	X	

Relinquished by: (Signature)	Received by: (Signature) (SAMPLE CUSTODIAN)	Date: 11/11/08	Time: 1900
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature) SHIP VIA GSO	Received by: (Signature) Woodstone CET	Date: 11/12/08	Time: 0830

05/2/06 Revision

510721921
510721923
510721920
510721922

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): 97093399 ☐ CHECK IF NO INCIDENT # APPLIES
PO #:
SAP #:
DATE: 11/11/08
PAGE: 3 of 4

SAMPLING COMPANY: Blaine Tech Services
LOG CODE: BTSS
SITE ADDRESS: Street and City: 461 8th St., Oakland
State: CA
GLOBAL ID NO.: T0600101263
ADDRESS: 1680 Rogers Ave, San Jose, CA 95112
EDF DELIVERABLE TO (Name, Company, Office Location): Anni Kreml, CRA, Emeryville Office
PHONE NO.: 510-420-3335
E-MAIL: shelledf@craworld.com
CONSULTANT PROJECT NO.: 081111-1W-1
PROJECT CONTACT (Hardcopy or PDF Report to): Michael Ninokata
TELEPHONE: (408)573-0555
FAX: (408)573-7771
E-MAIL: mninokata@blainetech.com
BTS #:
SAMPLER NAME(S) (Print): IAN WILLIAMS
LAB USE ONLY: 08-11-1047

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: Short Holds
One extra 1 liter NP Poly provided for possible additional analyses to be determined by CRA

☐ 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	EDTA	NO. OF CONT.	TPH - Purgeable (8260B)	BTEX (8260B)	MTBE (8260B)	EDB (8260B)	EDC (8260B)	Nitrate, Sulfate, Chloride	Bromide, Ferrous Iron	Chromium VI	Ferric (total) Iron, Manganese	Arsenic, Nickel, Chromium	Bromate	Total Suspended Solids	Container PID Readings or Laboratory Notes
21	S-20	11/11/08	1459	W	X					3	X	X											
22	S-20		1515		X	X		X	X	8	X	X				X	X	X	X	X	X	X	
23	S-21A		1244		X					3	X	X											
24	S-21A		1300		X	X		X	X	8	X	X				X	X	X	X	X	X	X	
25	S-21B		1420		X					3	X	X											
26	S-21B		1442		X	X		X	X	8	X	X				X	X	X	X	X	X	X	
27	S-22A		1450		X					3	X	X											
28	S-22B		1519		X	X		X	X	8	X	X				X	X	X	X	X	X	X	
29	S-23B		1420		X					3	X	X											
30	S-23B	↓	1438	↓	X	X		X	X	8	X	X				X	X	X	X	X	X	X	

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature] (SAMPLE CUSTODIAN)	11/11/08	1900
SHIP VIA GSO	[signature] CEL	11/12/08	0830

05/2/06 Revision

5107219 21
5107219 23
5107219 20
5107219 22

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): 9 7 0 9 3 3 9 9 ☐ CHECK IF NO INCIDENT # APPLIES

PO #: _____ SAP #: _____

DATE: 11/11/08

PAGE: 4 of 4

SAMPLING COMPANY: Blaine Tech Services | LOG CODE: BTSS

SITE ADDRESS: Street and City: 461 8th St., Oakland | State: CA | GLOBAL ID NO.: T0600101263

ADDRESS: 1680 Rogers Ave, San Jose, CA 95112

EDF DELIVERABLE TO (Name, Company, Office Location): Anni Kreml, CRA, Emeryville Office | PHONE NO.: 510-420-3335 | E-MAIL: shelledf@craworld.com | CONSULTANT PROJECT NO.: 081117-1W-1 | BTS #

PROJECT CONTACT (Hardcopy or PDF Report to): Michael Ninokata

SAMPLER NAME(S) (Print): IAN WILLIAMS | LAB USE ONLY: 08-11-047

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

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES: Short Holds ~~One extra Hofer NP Poly ponds~~ mon

☐ 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	EDTA	NO. OF CONT.	TPH - Purgeable (8260B)	BTEX (8260B)	MTBE (8260B)	EDB (8260B)	EDC (8260B)	Nitrate, Sulfate, Chloride	Bromide, Ferrous Iron	Chromium VI	Ferric (total) Iron, Manganese	Arsenic, Nickel, Chromium	Bromate	Total Suspended Solids	TEMPERATURE ON RECEIP C° / Container PID Readings or Laboratory Notes
01	S-23	11/11/08	0952	W	X					3	X	X											
02	S-23	11/11/08	1008	W	X					3	X	X											

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature] (SAMPLE CUSTODIAN)	11/11/08	1900
[signature]	[signature]		
SHIP VIA GSO	[signature]	11/12/08	0830

510721-921
510721923
510721920

05/2/06 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 08-11-1047

SAMPLE RECEIPT FORM

Cooler 1 of 4

CLIENT: BTS

DATE: 11/12/08

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

Temperature 4.3 °C - 0.2 °C (CF) = 4.1 °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: WB

CUSTODY SEALS INTACT:

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

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

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 ☐500AGBs ☐250CGB ☐250CGBs ☑1PB ☐500PB ☐500PBna ☐250PB ☑250PBn ☐125PB ☐125PBznna ☐100PBsterile ☐100PBna$_2$ ☑500AGB EDTA ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® ☐_____

Checked/Labeled by: YC

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

Reviewed by: W-S C

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: YC

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 08-11-1047

SAMPLE RECEIPT FORM

Cooler 3 of 4

CLIENT: BTS DATE: 11/12/08

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

Temperature 4.4 °C - 0.2 °C (CF) = 4.2 °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:** WB

CUSTODY SEALS INTACT:

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

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

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 ☐500AGBs ☐250CGB ☐250CGBs ☑1PB ☐500PB ☐500PBna ☐250PB ☑250PBn ☐125PB ☐125PBznna ☐100PBsterile ☐100PBna$_2$ ☑500AGB EDA ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® ☐_____

Checked/Labeled by: YC

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

Reviewed by: WSC

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: YC

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 08-11-1047

SAMPLE RECEIPT FORM

Cooler 2 of 4

CLIENT: BTS DATE: 11/12/08

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

Temperature 4.7 °C - 0.2 °C (CF) = 4.5 °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:** WB

CUSTODY SEALS INTACT:

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

☐ 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 ☐500AGBs ☐250CGB ☐250CGBs ☑1PB ☐500PB ☐500PBna ☐250PB ☑250PBn ☐125PB ☐125PBznna ☐100PBsterile ☐100PBna_2 ☐500AGB EDA ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® ☐_____

Checked/Labeled by: YC

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

Reviewed by: WSC

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: YC

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 08-11-1047

SAMPLE RECEIPT FORM

Cooler 4 of 4

CLIENT: BTS DATE: 11/12/08

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

Temperature 4.8 °C - 0.2 °C (CF) = 4.6 °C ☐ Blank ☑ Sample

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

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

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

Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only **Initial:** WB

CUSTODY SEALS INTACT:

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

☐ 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 ☐500AGBs ☐250CGB ☐250CGBs ☑1PB ☐500PB ☐500PBna ☐250PB ☑250PBn ☐125PB ☐125PBznna ☐100PBsterile ☐100PBna_2 ☐500AGB AEDX ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® ☐_____

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

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

Checked/Labeled by: YL

Reviewed by: WSC

Scanned by: YL

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 08-11-1049

SAMPLE ANOMALY FORM

CHAIN OF CUSTODY (COC):

- ☐ **Not relinquished by client – no signature**
- ☐ **No date/time relinquished**
- ☐ **COC not received with samples** – notify PM
- ☐ **Incomplete information regarding samples, tests, etc.**

Comments:

SAMPLES - CONTAINERS & LABELS:

- ☐ **Samples NOT RECEIVED but listed on COC**
- ☐ **Samples received but NOT LISTED on COC**
- ☐ **Holding time expired** – list sample ID(s) and test
- ☐ **Insufficient quantities for analysis** – list test
- ☐ **Improper container(s) used** – list test
- ☐ **No preservative noted on label** – list test and notify lab
- ☐ **Sample labels illegible** – note test/container type
- ☐ **Sample labels do not match COC** – Note in comments
  - ☐ **Sample ID's**
  - ☐ **Date and Time Collected**
  - ☐ **Project Information**
  - ☐ **# of containers**
- ☑ **Sample containers compromised** – Note in comments
  - ☐ **Leaking**
  - ☑ **Broken**
  - ☐ **Without Labels**
- ☐ **Other:** _____

Comments:

(-32) Vial 1 of 3 Receive Broken

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of RSK or CO_2 or DO or Organic Lead Received

Comments: _____

Initial / Date YL 11-12-08

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

CalScience Environmental Laborat	Client Project ID: #08-11-1047	Date Sampled: 11/11/08
7440 Lincoln Way		Date Received: 11/13/08
Garden Grove, CA 92841	Client Contact: Jessie Kim	Date Reported: 11/18/08
	Client P.O.: #08-11-1047	Date Completed: 11/18/08

WorkOrder: 0811404

November 18, 2008

Dear Jessie:

Enclosed within are:

1) The results of the **11** analyzed samples from your project: **#08-11-1047,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

McCampbell Analytical, Inc.
"When Quality Counts"
1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR E300.1

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 39627 WorkOrder 0811404

EPA Method E300.1 **Extraction E300.1** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Bromate	N/A	0.040	N/A	N/A	N/A	104	104	0	N/A	N/A	90 - 115	10

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 39627 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811404-001A	11/11/08 10:28 AM	11/13/08	11/13/08 10:42 PM	0811404-002A	11/11/08 4:08 PM	11/13/08	11/13/08 11:24 PM
0811404-003A	11/11/08 10:40 AM	11/14/08	11/14/08 12:06 AM	0811404-004A	11/11/08 11:27 AM	11/14/08	11/14/08 12:47 AM
0811404-005A	11/11/08 11:18 AM	11/14/08	11/14/08 1:29 AM	0811404-006A	11/11/08 12:23 PM	11/14/08	11/14/08 2:11 AM
0811404-007A	11/11/08 3:15 PM	11/14/08	11/14/08 2:52 AM	0811404-008A	11/11/08 1:00 PM	11/14/08	11/14/08 3:34 AM
0811404-009A	11/11/08 2:42 PM	11/14/08	11/14/08 4:16 AM	0811404-010A	11/11/08 3:19 PM	11/14/08	11/14/08 4:57 AM
0811404-011A	11/11/08 2:38 PM	11/14/08	11/14/08 5:39 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"
1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

CalScience Environmental Laboratories	Client Project ID: #08-11-1047	Date Sampled: 11/11/08
		Date Received: 11/13/08
7440 Lincoln Way	Client Contact: Jessie Kim	Date Extracted: 11/13/08-11/14/08
Garden Grove, CA 92841	Client P.O.: #08-11-1047	Date Analyzed 11/13/08-11/14/08

Disinfection Byproduct*

Extraction method E300.1 Analytical methods E300.1 Work Order: 0811404

Lab ID	Client ID	Matrix	Bromate	DF	% SS
0811404-001A	S-8	W	ND	1	N/A
0811404-002A	S-9	W	ND	1	N/A
0811404-003A	S-12	W	ND,b1	1	N/A
0811404-004A	S-13	W	ND	1	N/A
0811404-005A	S-14R	W	ND	1	N/A
0811404-006A	S-19	W	ND	1	N/A
0811404-007A	S-20	W	ND	1	N/A
0811404-008A	S-21A	W	ND,b1	1	N/A
0811404-009A	S-21B	W	ND	1	N/A
0811404-010A	S-22A	W	ND,b1	1	N/A
0811404-011A	S-22B	W	ND	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	0.005	mg/L
	S	NA	NA

* water samples are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in mg/wipe, product/oil/non-aqueous liquid samples in mg/L.

surrogate diluted out of range or surrogate coelutes with another peak; N/A means surrogate not applicable to this analysis.

b1) aqueous sample that contains greater than ~1 vol. % sediment

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

TO: McCampbell

CHAIN OF CUSTODY RECORD

DATE: 11/12/08

PAGE: 1 OF 2

LABORATORY CLIENT: Calscience Environmental Laboratories, Inc.	CLIENT PROJECT NAME / NUMBER: 08-11-1047
ADDRESS: 7440 Lincoln Way	PROJECT CONTACT: Jessie Kim
CITY: Garden Grove, CA 92841-1427	SAMPLER(S) (PRINT):
TEL: (714) 895-5494	E-MAIL: jkim@calscience.com
P.O. NO: 08-11-1047	QUOTE NO:
LAB USE ONLY:	

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48HR ☐ 72 HR ☐ 5 DAYS ☒ NORMAL

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____/____/____

SPECIAL INSTRUCTIONS: Please email results to Jessie Kim.

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	Matrix	#Cont	Bromate
	S-8	11/11/08	10:28	W	1	X
	S-9	11/11/08	16:08	W	1	X
	S-12	11/11/08	10:40	W	1	X
	S-13	11/11/08	11:27	W	1	X
	S-14R	11/11/08	11:18	W	1	X
	S-19	11/11/08	12:23	W	1	X
	S-20	11/11/08	15:15	W	1	X
	S-21A	11/11/08	13:00	W	1	X
	S-21B	11/11/08	14:42	W	1	X
	S-22A	11/11/08	15:19	W	1	X

ICE / T° 1.6°
GOOD CONDITION ____ APPROPRIATE
HEAD SPACE ABSENT ____ CONTAINERS
DECHLORINATED IN LAB ____ PRESERVED IN LAB ____
PRESERVATION VOA | O&G | METALS | OTHER

Relinquished by: (Signature) (CALSCIENCE)	Received by / Affiliation (Signature) GSO510727999	Date: 11/12/08	Time: 1530
Relinquished by (Signature)	Received by / Affiliation (Signature)	Date: 11/13/08	Time: 0810
Relinquished by (Signature)	Received by / Affiliation (Signature)	Date:	Time:

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

TO: McCampbell

CHAIN OF CUSTODY RECORD

DATE: 11/12/08
PAGE: 2 OF 2

LABORATORY CLIENT: Calscience Environmental Laboratories, Inc.	CLIENT PROJECT NAME / NUMBER: 08-11-1047	P.O. NO.: 08-11-1047
ADDRESS: 7440 Lincoln Way	PROJECT CONTACT: Jessie Kim	QUOTE NO.:
CITY: Garden Grove, CA 92841-1427	SAMPLER(S) (PRINT):	LAB USE ONLY
TEL: (714) 895-5494	E-MAIL: jkim@calscience.com	

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48HR ☐ 72 HR ☐ 5 DAYS ☒ NORMAL

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS:

Please email results to Jessie Kim.

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	# CONT	Bromate
	† S-22B	11/11/08	14:38	W	1	X

Relinquished by (Signature): (CALSCIENCE)	Received by / Affiliation (Signature): GSO 10727999	Date: 11/12/08	Time: 1530
Relinquished by (Signature)	Received by / Affiliation (Signature): UPS	Date: 11/13/08	Time: 0810
Relinquished by (Signature)	Received by / Affiliation (Signature)	Date	Time

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0811404

Report to:
Jessie Kim

7440 Lincoln Way
Garden Grove, CA 92841
(714) 895-5494 FAX (714) 894-7501

PO: #08-11-1047
ProjectNo: #08-11-1047

Date Received: **11/13/2008**
Date Printed: **11/13/2008**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)

McCampbell Analytical, Inc.

Sample Receipt Checklist

WELL GAUGING DATA

Project # 081107-WW1 Date 11/7/08 Client SHELL

Site 461 8TH STREET, OAKLAND, 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-14R	0839	4					22.91	34.17		
S-19	0836	4					22.73	53.50		
S-20	0827	4					~~22.93~~ 23.73	~~34.67~~ 26.27		
S-21A	0821	4	odor				~~23.73~~ 23.68	26.27		
S-21B	0824	4	odor				23.68	38.22		
S-22A	0830	4					22.91	26.06		
S-22B	0833	4					23.06	39.68		
S-23	0816	4					23.28	33.85	↓	

WEL . DEVELOPMENT DATA S..EET

Project #: 081107-WW1	Client: SHELL
Developer: MT, RM	Date Developed: 11/7/08
Well I.D. S-14R	Well Diameter: (circle one) 2 3 4 6
Total Well Depth: Before 34.17 After 34.80	Depth to Water: Before 22.91 After 29.08
Reason not developed:	If Free Product, thickness:
Additional Notations: Swab well 15 mins prior	

Volume Conversion Factor (VCF):
$(12 \times (d^2/4) \times \pi) / 231$
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

SURGED WELL FOR 15 MINS PRIOR TO PURGE

7.3	X	10	=	73
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☒ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump
Other equipment used ~~4" ES~~ 4" swab

TIME	TEMP (F)	pH	Cond. (mS or ~~uS~~)	TURBIDITY (NTUs)	VOLUME REMOVED:	DTW NOTATIONS:
1421	68.2	10.50	735.5	>1000	7.3	24.02 Brown w/ silt
1424	67.9	10.60	715.0	>1000	14.6	24.05 Brown light silt
1432	68.1	9.96	584.9	>1000	21.9	24.18 Brownish no silt
* 1435	67.7	9.24	535.5	>1000	29.2	28.45
1436	68.8	9.26	600.6	>1000	36.5	28.98
1438	68.7	10.53	766.1	>1000	43.8	32.44
1440	69.1	10.41	531.0	207	51.1	32.75 clear
1441	69.0	9.94	490.5	66.9	58.4	31.91
1443	68.9	9.75	470.3	58.9	65.7	32.17
1445	69.0	9.70	461.2	55.3	73	32.13 HARD BOTTOM

Did Well Dewater?	If yes, note above. NO	Gallons Actually Evacuated:	73

* SWITCHED TO ES (NO SILT)

WEL DEVELOPMENT DATA S..EET

Project #: 081107-WW1	Client: SHELL
Developer: MF, ZM	Date Developed: 11-7-08
Well I.D. S-19	Well Diameter: (circle one) 2 3 4 6
Total Well Depth: Before 33.50 After 34.61	Depth to Water: Before 22.73 After 28.97
Reason not developed:	If Free Product, thickness:
Additional Notations: Swab 15 mins prior	

Volume Conversion Factor (VCF): $\{12 \times (d^2/4) \times \pi\} / 231$

where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

Purged well for 15 mins prior to purge

7	X	10	=	70
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☒ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump
Other equipment used 4" swab

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	DTW	NOTATIONS:
1320	70.5	8.3	813.8	>1000	7	24.38	Brownish w/ silt
1329	71.5	8.05	768.4	>1000	14	24.51	Brown w/ silt
1338	71.5	8.00	698.5	>1000	21	24.44	Brown w/ little silt
1347	71.9	7.86	735.2	>1000	28	28.47	
1349	70.8	7.5	650.5	>1000	35	32.14	
1351	71.6	7.49	518.9	>1000	42	32.51	
1352	70.8	7.4	489.7	>1000	49	32.09	
1354	70.8	7.35	469.7	>1000	56	32.60	
1355	70.5	7.25	454.2	1000	63	32.54	
1357	70.5	7.15	440.3	581	70	32.51	HARD BOTTOM

Did Well Dewater? NO — If yes, note above. — Gallons Actually Evacuated: 70

& SWITCHED TO ES (NO SILT)

WEL DEVELOPMENT DATA S..EET

Project #: 081107-WW1	Client: SHELL
Developer: WW/JP	Date Developed: 11/7/08
Well I.D. S-20	Well Diameter: (circle one) 2 3 (4) 6
Total Well Depth: Before 34.67 After 34.75	Depth to Water: Before 22.80 After 29.21
Reason not developed:	If Free Product, thickness:
Additional Notations: SWAB WELL IS MINS PRIOR	

Volume Conversion Factor (VCF):
{12 x (d^2/4) x π} /231
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

7.7	X	10	=	77
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ~~☒ Electric Submersible~~ (Mini)
- ☒ Positive Air Displacement

Type of Installed Pump
Other equipment used 4" SWAB

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
1318	69.5	9.04	505.4	>1000	7.7	BROWN, CLOUDY, HARD BOTTOM
1321	70.8	8.82	558.3	>1000	15.4	" " "
1322	69.8	9.80	537.6	>1000	23.1	" " "
1323	69.2	10.24	521.4	>1000	30.8	" " "
1325	69.1	10.11	529.1	>1000	38.5	" " "
1326	68.9	9.83	491.7	>1000	46.2	" " "
1327	68.9	9.76	459.8	680	53.9	LIGHT BROWN; HARD BOTTOM
1328	68.7	9.60	445.9	497	61.6	" " "
1330	69.3	9.60	447.4	644	69.3	" " "
1331	69.1	9.75	449.7	209	77	" " "

Did Well Dewater? NO | If yes, note above. | Gallons Actually Evacuated: 77

WEL DEVELOPMENT DATA S..EET

Project #: 081107-WW1	Client: SHELL
Developer: WW/ JP	Date Developed: 11/07/08
Well I.D. S-21 A	Well Diameter: (circle one) 2 3 (4) 6
Total Well Depth: Before 26.27 After 26.28	Depth to Water: Before ~~26.27~~ 23.73 After 24.89
Reason not developed:	If Free Product, thickness:
Additional Notations: SWAB 15 MINS PRIOR	

Volume Conversion Factor (VCF):	Well dia.		VCF
{12 x (d^2/4) x π} /231	2"	=	0.16
where	3"	=	0.37
12 = in / foot	4"	=	0.65
d = diameter (in.)	6"	=	1.47
π = 3.1416	10"	=	4.08
231 = in 3/gal	12"	=	6.87

1.7	X	10	=	17
1 Case Volume		Specified Volumes		gallons

Purging Device:

- ☐ Bailer
- ☐ Suction Pump
- ☐ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump

Other equipment used 4" SWAB

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
1206	76.3	7.66	1301	>1000	1.7	brown, odor, milky
1212	74.0	7.71	1312	>1000	3.4	gray, odor, milky, HARD BOTTOM
1217	73.1	7.67	1294	>1000	5.1	" " " "
1221	73.5	7.61	1237	>1000	6.8	" " " "
1227	73.7	7.66	1191	>1000	8.5	" " " "
1234	73.4	7.60	1132	>1000	10.2	" " " "
1239	73.3	7.58	1089	>1000	11.9	" " " "
1247	73.7	7.75	1090	766	13.6	clearing, odor, HARD BOTTOM
1254	73.7	7.67	1077	306	15.3	cloudy, odor, HARD BOTTOM
1258	73.2	7.65	1067	287	17	CLOUDY, ODOR, HARD BTM.

Did Well Dewater? NO	If yes, note above.	Gallons Actually Evacuated:	17

WELL DEVELOPMENT DATA SHEET

Project #: 081107-WW1	Client: SHELL
Developer: WW/JP	Date Developed: 11/07/08
Well I.D. S-21B	Well Diameter: (circle one) 2 3 (4) 6
Total Well Depth: Before 38.22 After 39.20	Depth to Water: Before 23.68 After 33.81
Reason not developed:	If Free Product, thickness:
Additional Notations: SWAbbed well 15 mins prior	

Volume Conversion Factor (VCF):	Well dia.		VCF
$(12 \times (d^2/4) \times \pi) / 231$	2"	=	0.16
where	3"	=	0.37
12 = in / foot	4"	=	0.65
d = diameter (in.)	6"	=	1.47
π = 3.1416	10"	=	4.08
231 = in 3/gal	12"	=	6.87

14.5	X	~~15~~ 10	=	145
1 Case Volume		Specified Volumes		gallons

Purging Device:

- ☐ Bailer
- ☐ Suction Pump
- ☒ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump

Other equipment used 4" SWAB

TIME	TEMP (F)	pH	Cond. (mS or ~~uS~~)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
Switched to 3			EE		~~14.5~~ 6	brown, clearing
1353	68.8	11.23	2625	98	14.5	cloudy
1355	69.2	11.32	2652	>1000	29	"
1357	69.6	11.44	3181	21.4	43.5	clear
1359	70.1	11.45	3077	6.36	58	"
1401	69.8	11.45	2908	11.6	72.50	"
1404	69.9	11.43	2754	15.4	87	"
1406	70.2	11.42	2581	11.3	101.5	"
1408	70.3	11.40	2445	7.17	116	"
1410	70.2	11.38	2290	14.6	130.5	"
1413	70.4	11.38	2209	9.48	145	"

Did Well Dewater? NO If yes, note above. Gallons Actually Evacuated: 145

WEL DEVELOPMENT DATA S. EET

Project #: 081107-WW1	Client: SHELL
Developer: MT, RM	Date Developed: 11-07-08
Well I.D. S-22A	Well Diameter: (circle one) 2 3 (4) 6
Total Well Depth: Before 26.06 After 26.27	Depth to Water: Before 22.91 After 24.24
Reason not developed:	If Free Product, thickness:
Additional Notations: Swab 15 MINS prior	

Volume Conversion Factor (VCF):
(12 x (d^2/4) x π) /231
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

Surged well 15 prior to purge

2	X	10		20
1 Case Volume		Specified Volumes	=	gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☐ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump
Other equipment used Surge block 4"

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	DTW	NOTATIONS:
0911	~~21.8~~ 71.4	8.29	1142	>1000	2 gal	23.63	silty brownish gray
0916	70.6	~~87.86~~	1192	71000	4 gal	24.12	" "
0924	70.3	7.37	1034	71000	6 gal	24.22	very light silt
0932	70.6	6.93	932.5	71000	8 gals	24.28	No silt
939	69.8	6.73	789.2	71000	10 gals	24.15	No silt
946	69.9	6.54	852.6	71000	12 gals	24.25	No silt
0956	70.2	6.44	822.0	816	14 gals	24.23	No silt cloudy
1003	70.8	6.40	760.2	>1000	16 gals	24.23	cloudy No silt
1010	70.3	6.78	744.1	71000	18 gals	24.25	" "
1015	70.5	6.83	775.8	447	20 gals	24.35	less cloudy

Did Well Dewater? N | If yes, note above. | Gallons Actually Evacuated 20

WELL DEVELOPMENT DATA SHEET

Project #: 081107-WW1	Client: SHELL
Developer: MT, RM	Date Developed: 11-07-08
Well I.D. S-22B	Well Diameter: (circle one) 2 3 (4) 6
Total Well Depth: Before 39.68 After 39.72	Depth to Water: Before ~~23.06~~ 23.06 After 34.93
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):
(12 x (d^2/4) x π) /231
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

Surged well for 15 mins prior to purge

10	X	10	=	100
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☐ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump
Other equipment used Surge block 4"

TIME	TEMP (F)	pH	Cond. (mS or (µS))	TURBIDITY (NTUs)	VOLUME REMOVED:	DTW NOTATIONS: Hard Bottom
1215	70.1	8.46	441.0	71000	10 gal	25.13 cloudy Little silt
Switched to ES 3" PUMP.					~~20~~ RM gal	
1223	71.4	8.69	378.0	71000	20 gal	37.04 " "
1225	70.6	8.66	651.8	71000	30	37.16 " "
1227	70.8	9.01	383.8	71000	40 gal	37.21 " " No Sil
1229	70.8	9.09	359.7	6053	50 gal	37.59
1231	71.0	9.08	366.7	4716	60 gal	37.33
1233	70.9	9.09	353.9	1419	70 gals	37.53
1235	71.0	9.09	352.0	98.3	80 gals	37.41
1237	71.0	9.09	350.3	72.0	90 gals	37.27
1239	71.0	9.08	352.0	66.9	100 gal	37.18 HARD BOTTOM

Did Well Dewater? N | If yes, note above. | Gallons Actually Evacuated: 100

WEL DEVELOPMENT DATA SHEET

Project #: 081107-WW1	Client: SHELL
Developer: WW/JP	Date Developed: 11/7/08
Well I.D. S-23	Well Diameter: (circle one) 2 3 (4) 6
Total Well Depth: Before 33.85 After 34.67	Depth to Water: Before 23.28 After 28.00
Reason not developed:	If Free Product, thickness:
Additional Notations: SWAB WELL 15 MINS PRIOR	

Volume Conversion Factor (VCF):
(12 x (d^2/4) x π) /231
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

6.9	x	10	=	69
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☒ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump
Other equipment used 4" SWAB

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
0926	67.7	6.14	725	>1000	6.9	brown, milky, odor
0934	67.6	6.79	659	>1000	13.8	" " "
0941	67.8	7.12	580	>1000	20.7	" " "
0959	67.7	7.46	548.7	7100	27.6	" " "
1006	68.6	7.33	472.2	>1000	34.5	" " "
	switched	to 3" ES				HARD BOTTOM
1013	68.8	7.20	463.6	>1000	41.4	BRN CLOUDY
1014	69.3	7.11	5218	>1000	48.3	BRN CLOUDY
1015	69.8	7.04	516.4	>1000	55.2	" "
1016	69.5	7.13	279.9	>1000	62.1	" "
1017	69.7	7.03	370.3	>1000	69	" "

Did Well Dewater? NO | If yes, note above. | Gallons Actually Evacuated: 69

WELL GAUGING DATA

Project # 081111-1W-1 Date 11/11/08 Client SHELL

Site 461 8th STREET, OAKLAND, 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-4	0857	4					20.68	28.65		
S-5	0816	4					16.81	30.41		
S-6	0908	4					20.79	34.85		
S-8	0925	4					23.37	29.15		
S-9	0915	4					22.90	29.80		
S-10	0819	4					23.08	36.70		
S-12	0940	4					24.85	34.25		
S-13	0910	4					23.60	32.50		
S-14R	0828	4					23.13	34.63		
S-17	0900	2					23.70	34.50		
S-18	0905	2					23.30	34.75		
S-19	0832	4					22.87	34.65		
S-20	0920	4					22.90	34.70		
S-21A	0848	4					23.86	26.20		
S-21B	0851	4					23.80	39.15		
S-22A	0840	4					23.15	26.20		
S-22B	0835	4					23.20	39.65		
S-23	0845	4					23.58	34.75		

SHELL WELL MONITORING DATA SHEET

BTS #: 081111-1W-1	Site: 461 8th ST., OAKLAND
Sampler: 1W	Date: 11/11/08
Well I.D.: S-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 30.41	Depth to Water (DTW): 16.81
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]: 19.53	

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

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other:

8.8 (Gals.) X 3 = 26.4 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
0820	PRE-PURGE	SAMPLE	TAKEN			
	65.5	6.62	949	160	GRAB	STRONG ODOR
30 0827	67.9	6.22	888	>1000	8.8	odor
45 0828	67.8	6.27	893	>1000	17.6	odor.
0830	68.4	6.21	885	>1000	26.4	"

Did well dewater? Yes (No) Gallons actually evacuated: 26.4

Sampling Date: 11/11/08 Sampling Time: 0835 Depth to Water: TRAFFIC 18.38

Sample I.D.: S-5 Laboratory: STL Other CAL SCIENCE

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 #: 081111-1W-1	Site: 461 8th ST., OAKLAND
Sampler: 1W	Date: 11/11/08
Well I.D.: S-6	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 34.85	Depth to Water (DTW): 20.79
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

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

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: ____

9.1 (Gals.) X	3	= 27.3 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
0915	PRE-PURGE SAMPLE TAKEN				GRAB	
	62.8	6.96	912	IW #273		STRONG ODOR
0921	63.2	6.90	869	>1000	9.1	"
0923	66.4	6.53	864	147	18.2	"
0925	66.7	6.51	852	219	27.3	"

Did well dewater? Yes (No) Gallons actually evacuated: 27.3

Sampling Date: 11/11/08 Sampling Time: 0930 Depth to Water: 21.87

Sample I.D.: S-6 Laboratory: STL Other CAL SCIENCE

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 #: 081111-1W-1	Site: 461 8th ST., OAKLAND
Sampler: 1W	Date: 11/11/08
Well I.D.: S-8	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 29.15	Depth to Water (DTW): 23.37
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]: 24.53	

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

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: ____

3.8 (Gals.) X 3 = 11.4 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
1015	68.9	8.67	450.3	7	Pre purge	sample
1021	69.7	8.20	492.3	31	3.8	semi clear
1022	70.1	8.11	502.1	78	7.6	↓
1023	70.3	8.09	506.7	153	11.4	↓

Did well dewater? Yes (No) Gallons actually evacuated: 11.4

Sampling Date: 11/11/08 Sampling Time: 1028 Depth to Water: 24.30

Sample I.D.: S-8 Laboratory: STL Other CAL SCIENCE

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

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:	0.16 1W 1.6 mg/L	Post-purge:	2.2 mg/L
O.R.P. (if req'd):	Pre-purge:	28 mV	Post-purge:	103 mV

5.78

SHELL WELL MONITORING DATA SHEET

BTS #: 081111-1W-1	Site: 461 8th ST., OAKLAND
Sampler: 1W	Date: 11/11/08
Well I.D.: S-9	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 29.80	Depth to Water (DTW): 22.90
Depth to Free Product:	Thickness of Free Product (feet): 0
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 24.28	

Purge Method:
- Bailer
- Disposable Bailer
- Positive Air Displacement
- X Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other ____

Sampling Method:
- X 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1555	68.5	6.91	612.1	19	Pre Purge sample	
1601	68.5	6.89	598.1	347	4.5	cloudy
1602	68.9	6.88	646.7	21	9.0	clear
1603	68.9	6.83	601.6	20	13.5	✓

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

Sampling Date: 11/11/08 Sampling Time: 1608 Depth to Water: 23.87

Sample I.D.: S-9 Laboratory: STL (Other) CAL SCIENCE

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)	1.1 mg/L	(Post-purge)	3.6	mg/L
O.R.P. (if req'd):	(Pre-purge)	92 mV	(Post-purge)	98	mV

6.9

SHELL WELL MONITORING DATA SHEET

BTS #: 081111-1W-1	Site: 461 8th ST., OAKLAND
Sampler: 1W	Date: 11/11/08
Well I.D.: S-12	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 34.25	Depth to Water (DTW): 24.85
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]: 26.73	

Purge Method:
- Bailer
- Disposable Bailer
- Positive Air Displacement
- X Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other

Sampling Method:
- X Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other:

6.1 (Gals.) X 3 = 18.3 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1022	PRE-PURGE	SAMPLE	TAKEN		GRAB	
~~1W 702~~	66.2	6.81	516	66		
1029	67.9	6.39	455	>1000	6.1	ODOR
1030	68.1	6.62	419	>1000	12.2	"
1031	68.3	6.59	393	>1000	18.3	"

Did well dewater? Yes (No) Gallons actually evacuated: 18.3

Sampling Date: 11/11/08 Sampling Time: 1040 Depth to Water: 26.07

Sample I.D.: S-12 Laboratory: STL Other CAL SCIENCE

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)	0.2 mg/L	(Post-purge)	0.2 mg/L	
O.R.P. (if req'd): (Pre-purge)	37 mV	(Post-purge)	45 mV	

SHELL WELL MONITORING DATA SHEET

BTS #: 081111-1W-1	Site: 461 8th ST., OAKLAND
Sampler: 1W	Date: 11/11/08
Well I.D.: S-13	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 32.50	Depth to Water (DTW): 23.60
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]: 25.38	

Purge Method:
- Bailer
- Disposable Bailer
- Positive Air Displacement
- X Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other ____

Sampling Method:
- X Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: ____

5.8 (Gals.) X 3 = 17.4 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
1115	PRE-PURGE		SAMPLE	TAKEN	GRAB	
	66.1	6.86	401	66		
1120	67.6	6.33	416	>1000	5.8	STRONG ODOR
1121	68.4	6.38	341	>1000	11.6	"
1122	68.7	6.36	332	467	17.4	"

Did well dewater? Yes (No) Gallons actually evacuated: 17.4

Sampling Date: 11/11/08 Sampling Time: 1127 Depth to Water: 24.98

Sample I.D.: S-13 Laboratory: STL Other CAL SCIENCE

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):	0.8 mg/L	(Post-purge):	1.2 mg/L	
O.R.P. (if req'd):	(Pre-purge):	-48 mV	(Post-purge):	-60 mV	

SHELL WELL MONITORING DATA SHEET

BTS #: 081111-1W-1	Site: 461 8th ST., OAKLAND
Sampler: 1W	Date: 11/11/08
Well I.D.: S-14R	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 34.63	Depth to Water (DTW): 23.13
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]: 25.43	

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

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: ___

7.5 (Gals.) X ___ = 22.5 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
1110	69.4	7.39	538.8	153	7.5	cloudy
1112	69.4	7.28	491.8	491	15.0	"
1113	69.8	7.23	498.1	>1000	22.5	"
1101	69.4	7.41	561.2	28	Pre purge sample	

Did well dewater? Yes (No) Gallons actually evacuated: 22.5

Sampling Date: 11/11/08 Sampling Time: 1118 Depth to Water: 23.58

Sample I.D.: S-14R Laboratory: STL Other CAL SCIENCE

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)	0.60 mg/L	(Post-purge)	1.5 mg/L	
O.R.P. (if req'd): (Pre-purge)	115 mV	(Post-purge)	116 mV	

11.5

SHELL WELL MONITORING DATA SHEET

BTS #: 081111-1W-1	Site: 461 8th ST., OAKLAND
Sampler: 1W	Date: 11/11/08
Well I.D.: S-17	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 34.50	Depth to Water (DTW): 23.70
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]: 25.86	

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

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: ____

1.7 (Gals.) X	3	= 5.1 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
1211	PRE-PURGE		GRAB SAMPLE TAKEN		GRAB	
	67.7	6.88	286	425		STRONG ODOR
1216	69.3	6.18	447	>1000	1.7	"
1219	69.3	6.22	417	>1000	3.6	"
1222	69.1	6.25	396	>1000	5.1	"

Did well dewater? Yes (No) Gallons actually evacuated: 5.1

Sampling Date: 11/11/08 Sampling Time: 1228 Depth to Water: 25.19

Sample I.D.: S-17 Laboratory: STL Other CAL SCIENCE

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 #: 081111-1W-1	Site: 461 8th ST., OAKLAND
Sampler: 1W	Date: 11/11/08
Well I.D.: S-18	Well Diameter: (2) 3 ~~4~~ 1W 6 8 ____
Total Well Depth (TD): 34.70	Depth to Water (DTW): 23.30
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]: 25.58	

Purge Method: X Bailer; Disposable Bailer; Positive Air Displacement; 1W X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other ____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: ____

1.8 5.4

~~7.4~~ 1W (Gals.) X 3 = ~~22.2~~ 1W 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
1148	PRE-PURGE		SAMPLE	TAKEN	GRAB	
	67.4	6.34	345	>1000		ODOR
1151	68.4	6.27	435	>1000	1.8	"
1154	~~68.6~~	6.19	483	>1000	3.6	"
1158	68.9	6.16	496	>1000	5.4	"

Did well dewater? Yes (No) Gallons actually evacuated: 5.4

Sampling Date: 11/11/08 Sampling Time: 1204 Depth to Water: 25.27

Sample I.D.: S-18 Laboratory: STL Other CAL SCIENCE

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 #: 081111-1W-1	Site: 461 8th ST., OAKLAND
Sampler: 1W	Date: 11/11/08
Well I.D.: S-19	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 34.65	Depth to Water (DTW): 22.87
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]: 25.23	

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: ___

7.7 (Gals.) X 3 = 23.1 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
1205	69.4	7.72	550.1	17	— Pre	Purge sample
1215	69.4	7.88	563.8	>1000	7.7	cloudy
1217	69.7	7.93	499.6	236	15.4	semi clear
1218	69.7	7.99	523.1	270	23.1	↓

Did well dewater? Yes (No) Gallons actually evacuated: 23.1

Sampling Date: 11/11/08 Sampling Time: 1223 Depth to Water: 24.57

Sample I.D.: S-19 Laboratory: STL Other CAL SCIENCE

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)	1.0 mg/L	(Post-purge)	1.3 mg/L
O.R.P. (if req'd): (Pre-purge)	62 mV	(Post-purge)	71 mV

11.76

SHELL WELL MONITORING DATA SHEET

BTS #: 081111-1W-1	Site: 461 8th ST., OAKLAND
Sampler: 1W	Date: 11/11/08
Well I.D.: S-20	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 34.70	Depth to Water (DTW): 22.90
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]: 25.26	

Purge Method:
- Bailer
- Disposable Bailer
- Positive Air Displacement
- X Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method:
- X Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

7.7 (Gals.) X 3 = 23.1 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 (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1459	PRE-PURGE		SAMPLE	TAKEN	GRAB	
	66.7	9.34	403	36		
1508	67.7	8.77	446	147	7.7	
1509	68.2	9.96	538	>1000	15.4	
1510	68.2	9.99	561	>1000	23.1	DTW=26.13

Did well dewater? Yes (No) Gallons actually evacuated: 23.1

Sampling Date: 11/11/08 Sampling Time: 1515 Depth to Water: 24.90

Sample I.D.: S-20 Laboratory: STL Other CAL SCIENCE

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):	0.8	mg/L	(Post-purge):	2.6 mg/L
O.R.P. (if req'd): (Pre-purge):	-39	mV	(Post-purge):	-64 mV

SHELL WELL MONITORING DATA SHEET

BTS #: 081111-1W-1	Site: 461 8th ST., OAKLAND
Sampler: 1W	Date: 11/11/08
Well I.D.: S-21A	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 26.20	Depth to Water (DTW): 23.86
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]: 24.33	

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

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: ___

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

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

Time	Temp (°F)	pH	Cond. (mS or ~~uS~~)	Turbidity (NTUs)	Gals. Removed	Observations
1244	PRE-PURGE		SAMPLE	TAKEN	GRAB	
1251	68.4	6.41	1184	267	1.5	cloudy
1253	68.7	6.54	1175	>1000	3.0	↓
1255	69.3	6.59	1244	>1000	4.5	↓

Did well dewater? Yes (No) Gallons actually evacuated: 4.5

Sampling Date: 11/11/08 Sampling Time: 1300 Depth to Water: 24.00

Sample I.D.: S-21A Laboratory: STL Other CAL SCIENCE

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):	1.6 mg/L	(Post-purge):	1.8	mg/L
O.R.P. (if req'd):	(Pre-purge):	-42 mV	(Post-purge):	-51	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 081111-1W-1	Site: 461 8th ST., OAKLAND
Sampler: 1W	Date: 11/11/08
Well I.D.: S-21B	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 39.15	Depth to Water (DTW): 23.80
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]: 26.87	

Purge Method:
- Bailer
- Disposable Bailer
- Positive Air Displacement
- X Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other ____

Sampling Method:
- X Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: ____

10.0 (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 (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1420	PRE-PURGE		SAMPLE	TAKEN	GRAB	
	68.3	10.98	1322	23		
1430	69.4	11.02	1086	21	10.0	STRONG ODOR
1432	69.4	10.96	1847	53	20.0	"
1434	69.6	10.99	1863	18	30.0	" DTW = 30.33

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

Sampling Date: 11/11/08 Sampling Time: 1442 Depth to Water: 26.71

Sample I.D.: S-21B Laboratory: STL Other CAL SCIENCE

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)	0.4 mg/L	(Post-purge)	5.6	mg/L
O.R.P. (if req'd): (Pre-purge)	-108 mV	(Post-purge)	-135	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 081111-1W-1	Site: 461 8th ST., OAKLAND
Sampler: 1W	Date: 11/11/08
Well I.D.: S-22A	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 26.20	Depth to Water (DTW): 23.15
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]: 23.76	

Purge Method: Bailer / X Disposable Bailer 3" / Positive Air Displacement / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other ___

Sampling Method: X Bailer / Disposable Bailer / Extraction Port / Dedicated Tubing / Other: ___

2.0 (Gals.) X 3 = 6.0 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
1508	69.1	7.39	998.7	>1000	2	cloudy
1511	68.7	7.39	998.7	>1000	4	"
1514	68.7	7.21	950.8	>1000	6	"
1450	68.4	7.70	977.8	>1000	Pre Purge sample	

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

Sampling Date: 11/11/08 Sampling Time: 1519 Depth to Water: 23.80

Sample I.D.: S-22A Laboratory: STL (Other) CAL SCIENCE

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)	1.0 mg/L	(Post-purge)	1.6	mg/L
O.R.P. (if req'd):	(Pre-purge)	117 mV	(Post-purge)	100	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 081111-1W-1	Site: 461 8th ST., OAKLAND
Sampler: 1W	Date: 11/11/08
Well I.D.: S-22B	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 39.65	Depth to Water (DTW): 23.20
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]: 26.49	

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

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: ___

10.7 (Gals.) X 3 = 32.1 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
1420	68.2	8.55	284.6	44	Pre Purge	Sample
1429	69.8	8.62	302.6	98	10.7	semi-clear
1431	69.4	8.68	303.1	561	21.4	
1433	69.6	8.64	321.8	83	32.1	✓

Did well dewater? Yes (No) Gallons actually evacuated: 32.1

Sampling Date: 11/11/08 Sampling Time: 1438 Depth to Water: 25.61

Sample I.D.: S-22B Laboratory: STL Other CAL SCIENCE

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)	.9 mg/L	(Post-purge)	1.6 mg/L	
O.R.P. (if req'd):	(Pre-purge)	92 mV	(Post-purge)	90 mV	

16.45

SHELL WELL MONITORING DATA SHEET

BTS #: 081111-1W-1	Site: 461 8th ST., OAKLAND
Sampler: 1W	Date: 11/11/08
Well I.D.: S-23	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 34.75	Depth to Water (DTW): 23.58
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]: 25.81	

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

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: ___

7.3 (Gals.) X 3 = 21.9 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
0952	PRE-PURGE		SAMPLE TAKEN		GRAB	
0959	66.4	7.10	588	694		ODOR
~~1000~~ 1W 0959	68.2	6.71	573	525	7.3	"
~~1001~~ 1W 1000	69.5	6.61	668	>1000	14.6	"
1001	69.6	6.64	638	>1000	21.9	"

Did well dewater? Yes (No) Gallons actually evacuated: 21.9

Sampling Date: 11/11/08 Sampling Time: 1008 Depth to Water: 25.57

Sample I.D.: S-23 Laboratory: STL Other CAL SCIENCE

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

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 INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 461 8th St. Oakland Date 11/7/08

Job Number 080107-WW1 Technician WW, RM 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-14R		X		WW X	X				
S-19		X			X				
S-20		X			X				
S-21A		X			X				
S-21B		X			X				
S-22A		X			X				
S-22B		X			X				
S-23		X		WW 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:

SHELL WELLHEAD INSPECTION FORM
(FOR SAMPLE TECHNICIAN)

Site Address 461 8TH STREET, OAKLAND Date 11/11/08

Job Number 081111-IW-1 Technician IAN WILLIAMS 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-4	X	X	X						
S-5	X								STORM DRAIN GRATE
S-6	X								VAULT LID
S-8	X	X							
S-9	X	X							
S-10	X	X							
S-12	X	X							
S-13	X	X							
S-14R	X	X							
S-17	X	X							
S-18	X	X							
S-19	X	X							
S-20	X	X							
S-21A	X	X							
S-21B	X	X							
S-22A	X	X							
S-22B	X	X							
S-23	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: