CONESTOGA-ROVERS & ASSOCIATES

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

TRANSMITTAL

DATE: June 15, 2009

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

RECEIVED
1:28 pm, Jun 16, 2009
Alameda County
Environmental Health

Please find enclosed:
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QUANTITY	DESCRIPTION
1	Groundwater Monitoring Report – Second Quarter 2009

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

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

Copy to: Denis Brown, Shell Oil Products US, 20945 S. Wilmington Avenue, Carson, CA 90810
Leroy Griffin, Fire Prevention Bureau, 250 Frank Ogawa Plaza, 3rd Floor, Suite 3341, Oakland, CA 94612
A.F. Evans Company, c/o Anye Spivey, 1000 Broadway, Suite 300, Oakland, CA 94507
Wells Fargo Bank, NA, Trustee of Havens, c/o John Ward, P.O. Box 63939, San Francisco, CA 94163
Leah Goldberg, Meyers Nave, 555 12th Street, Suite 1500, Oakland, CA 94607
Grover Buhr, Treadwell & Rollo *(electronic copy only)*

Completed by: Tom Sparrowe Signed: Tom 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 Code 129453
Incident No. 97093399
ACHCSA Case No. RO0000343

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 - SECOND QUARTER 2009

FORMER SHELL SERVICE STATION
461 8TH STREET
OAKLAND, CALIFORNIA

SAP CODE	129453
INCIDENT NO.	97093399
AGENCY NO.	RO0000343

Prepared by:
Conestoga-Rovers & Associates

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

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

web: http://www.CRAworld.com

JUNE 15, 2009
REF. NO. 241501 (9)
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LIST OF FIGURES
(Following Text)

LIST OF APPENDICES

1.0 INTRODUCTION

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

1.1 SITE INFORMATION

Site Address	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.	RO0000343
Shell SAP Code:	129453
Shell Incident No.	97093399

Date of most recent agency correspondence (electronic mail) was May 20, 2009.

2.0 SITE ACTIVITIES, FINDINGS, AND DISCUSSION

2.1 CURRENT QUARTER'S ACTIVITIES

On April 9, 2009, Blaine Tech Services, Inc. (Blaine) gauged and sampled site wells according to the modified groundwater monitoring program for this site. Safety issues associated with the rain on April 9 prevented the sampling of monitoring well S-6. Well S-6 was sampled later on April 21, 2009. An obstruction in S-18 prevented the sampling of S-18 during the quarterly sampling event.

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.

On March 12, 2009 Blaine gauged and sampled wells S-8, S-9, S-10, S-12, S-13, S-14R, S-17, S-18, S-19, S-20, S-21A, S-21B, S-22A, S-22B, and S-23 following the modified groundwater monitoring program and in accordance with Alameda County Health Care Services Agency's (ACHCSA's) November 24, 2008 letter. The groundwater samples were analyzed for the following parameters:

- Total petroleum hydrocarbons as gasoline (TPHg), benzene, ethylbenzene, toluene, and xylenes (BTEX) (EPA Method 8260B);
- Nitrate, sulfate, chloride, bromide (EPA Method 300.0);
- Total and dissolved metals: manganese, arsenic (As), nickel (Ni), total chromium (Cr), and iron (EPA Method 6010B);
- Ferrous (SM 3500-FeB) and ferric iron (EPA Method 6010B/SM 3500-FeD);
- Chromium VI (Cr^{+6}) (EPA Method 7199);
- Dissolved oxygen (DO) (field instrument);
- Oxygen reduction potential (ORP) (field instrument); and
- Total suspended solids (SM 2540 D).

On March 30, 2009 CRA initiated a second phase of insitu chemical oxidation (ISCO) injections using the groundwater monitoring wells and followed the modified groundwater monitoring program in accordance with ACHCSA's February 20, 2009 letter. On May 18, 2009 Blaine gauged and sampled the above referenced wells except for S-8, S-10, and S-12. The groundwater samples were analyzed for the following parameters:

- TPHg and BTEX (EPA Method 8260B);
- Sulfate (EPA Method 300.0);
- Total and dissolved metals: As, Ni, and Cr (EPA Method 6010B);
- Cr^{+6} (EPA Method 7199);
- Dissolved Oxygen (DO) (field instrument);
- Oxygen Reduction Potential (ORP) (field instrument); and
- Total suspended solids (SM 2540 D);

The results of the post-ISCO injection sampling events will be presented in an ISCO pilot test report under separate cover. The laboratory reports are included in Appendix A.

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Southwesterly
Hydraulic Gradient	Variable
Depth to Water	16.31 to 24.23 feet below top of well casing

2.3 PROPOSED ACTIVITIES FOR NEXT QUARTER

Blaine will gauge and sample wells according to the established monitoring program for this site.

CRA is preparing an ISCO pilot test report as requested in ACHCSA's November 24, 2008 and February 20, 2009 correspondence. ACHCSA's May 20, 2009 electronic correspondence extended the original due date to July 17, 2009. Continuation of the second phase of ISCO treatment will be determined upon a thorough evaluation of data on the effectiveness of the treatment program.

2.4 DISCUSSION

The laboratory report for the May 18, 2009 sampling event included a case narrative which discusses an analytical discrepancy between dissolved chromium, total

chromium, and hexavalent chromium results for sample S-21B (28.8 micrograms per liter [µg/L], 29.8 µg/L, and 150 µg/L, respectively). Notably, the total and dissolved chromium numbers are significantly less than the hexavalent chromium results. The laboratory reanalyzed the total chromium and hexavalent chromium samples with similar results. A review of historical hexavalent chromium concentrations in S-21B indicates that this recent detection is higher than those observed in previous sampling events.

CRA has instructed Blaine to resample well S-21B for dissolved chromium, total chromium, and hexavalent chromium to verify the analytical results. The analytical results will be presented under separate cover.

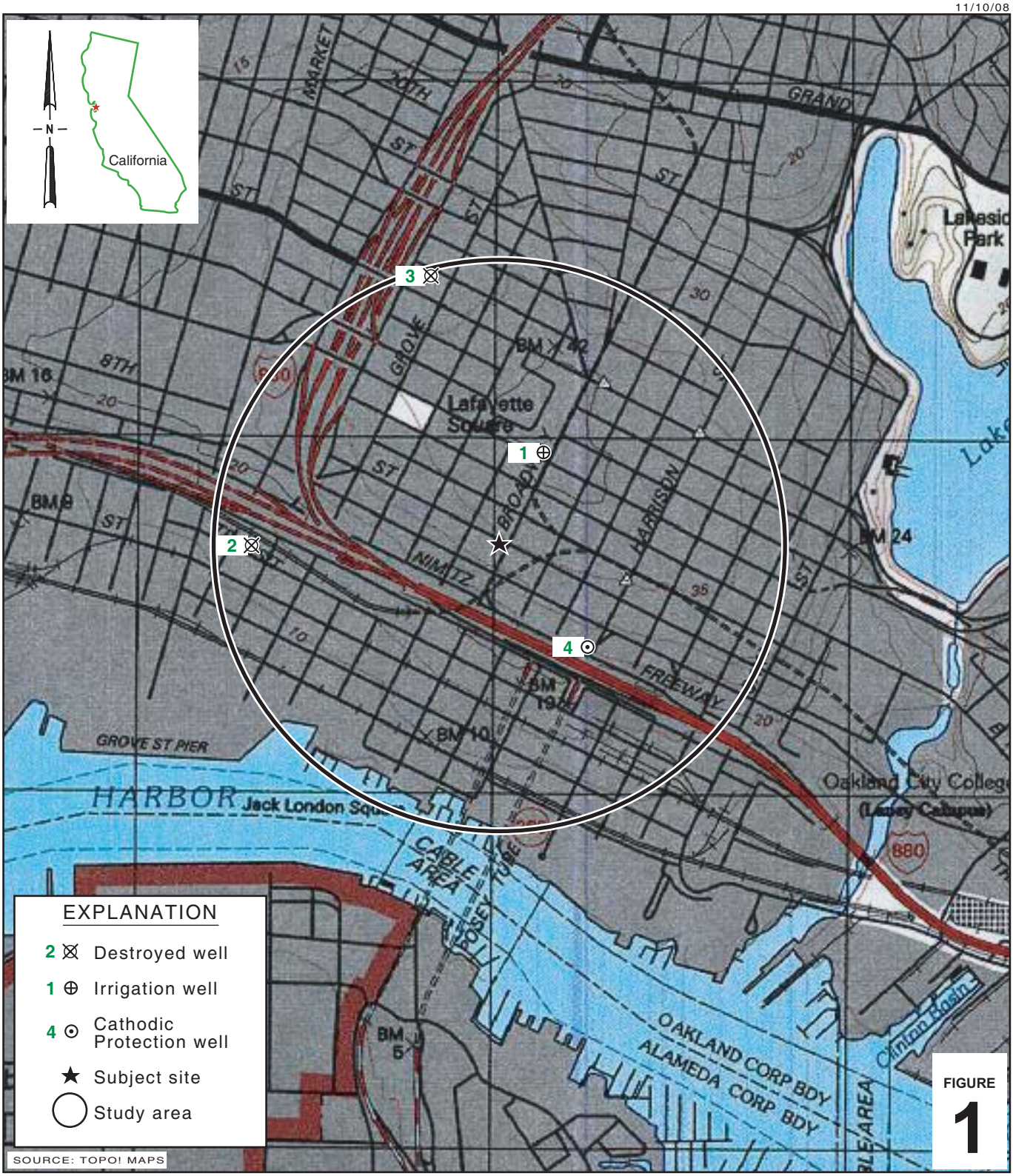
All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

Thomas A. Sparrowe, PG

Aubrey K. Cool, PG

FIGURES

11/10/08



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

FIGURE
1

0 1/8 1/4 1/2 1

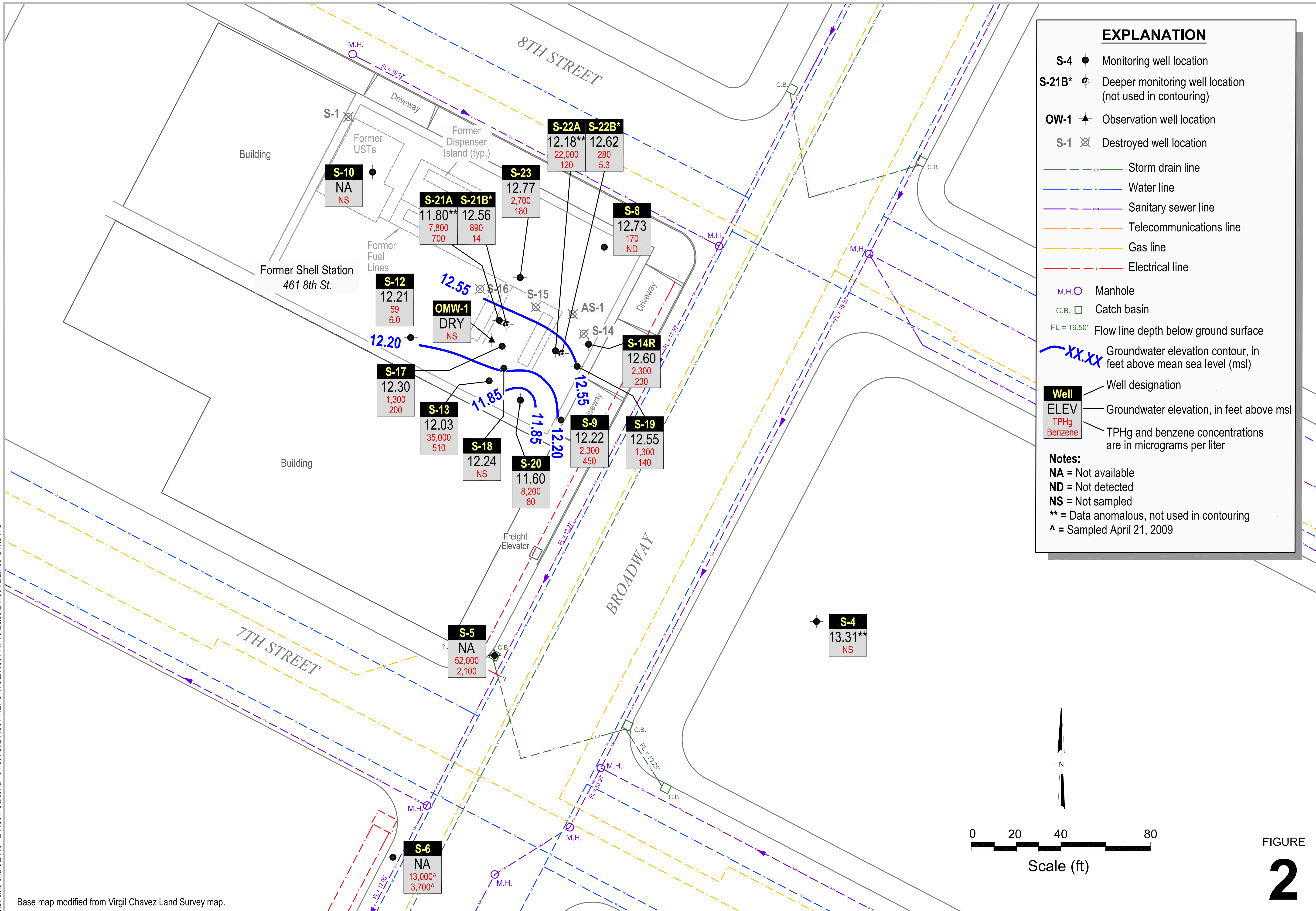
SCALE (MILES)

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

06/10/09



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
XX.XX Groundwater elevation contour, in feet above mean sea level (msl)
Well Well designation
ELEV Groundwater elevation, in feet above msl
TPHg Benzene TPHg and benzene concentrations are in micrograms per liter
Notes:
NA = Not available
ND = Not detected
NS = Not sampled
** = Data anomalous, not used in contouring
^ = Sampled April 21, 2009
8TH STREET
7TH STREET
BROADWAY
Building
Building
Former Shell Station
461 8th St.
Former USTs
Former Dispenser Island (typ.)
Former Fuel Lines
Driveway
Freight Elevator
S-1
S-10 NA NS
S-22A 12.18** 22,000 120
S-22B* 12.62 280 5.3
S-23 12.77 2,700 180
S-21A 11.80** 7,800 700
S-21B* 12.56 890 14
S-8 12.73 170 ND
S-12 12.21 59 6.0
OMW-1 DRY NS
S-16
S-15
AS-1
S-14
S-14R 12.60 2,300 230
S-17 12.30 1,300 200
S-13 12.03 35,000 510
S-18 12.24 NS
S-20 11.60 8,200 80
S-9 12.22 2,300 450
S-19 12.55 1,300 140
S-5 NA 52,000 2,100
S-6 NA 13,000^ 3,700^
S-4 13.31** NS
12.55
12.20
11.85
M.H.
C.B.
0 20 40 80
Scale (ft)
N
Base map modified from Virgil Chavez Land Survey map.

FIGURE
2

Groundwater Elevation and Chemical Concentration Map

April 9, 2009

CONESTOGA-ROVERS & ASSOCIATES

Former Shell Service Station
461 8th Street
Oakland, California

I:\Shell6-chars\2415--\241501-Oakland 461 8th St\241501-REPORTS\241501-RPT9-2Q09\241501 2QM09-GW.DWG

APPENDIX A

BLAINE TECH SERVICES, INC. – GROUNDWATER MONITORING REPORT

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

June 9, 2009

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

Second Quarter 2009 Groundwater Monitoring at
Former Shell-branded Service Station
461 8th Street
Oakland, CA

Monitoring performed on March 12, April 9 and 21, and
May 18, 2009

Groundwater Monitoring Report **090409-WW-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.

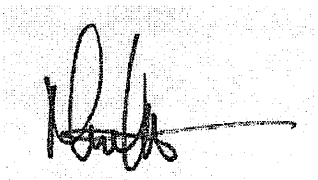
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

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/tm

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

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

WELL CONCENTRATIONS - TABLE 1
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 - TABLE 1
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)
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 - TABLE 1
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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-4	01/05/2009	250	1.8	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	34.41	20.92	13.49	NA	NA	NA
S-4	**04/09/2009**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.41**	**21.10**	**13.31**	**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

WELL CONCENTRATIONS - TABLE 1
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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-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
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-5	01/05/2009	57,000	2,300	1,400	1,500	2,900	NA	<10	NA	NA	NA	NA	<5.0	<10	e	16.71	NA	NA	NA	NA

WELL CONCENTRATIONS - TABLE 1
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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-5	**04/09/2009**	**52,000**	**2,100**	**3,500**	**1,900**	**5,400**	**NA**	**<20**	**NA**	**NA**	**NA**	**NA**	**<10**	**<20**	**e**	**16.31**	**NA**	**NA**	**0.3**	**163**
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
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

WELL CONCENTRATIONS - TABLE 1
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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	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
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

WELL CONCENTRATIONS - TABLE 1
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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	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
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-6	01/05/2009	53,000	9,400	3,600	890	3,100	NA	<100	NA	NA	NA	NA	<50	<100	30.56	21.66	8.90	NA	NA	NA
S-6	**04/09/2009**	**Unable to sample**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**30.56**	**NA**	**NA**	**NA**	**NA**	**NA**
S-6	**04/21/2009**	**13,000**	**3,700**	**1,100**	**270**	**750**	**NA**	**<100**	**NA**	**NA**	**NA**	**NA**	**<50**	**<100**	**30.56**	**20.20**	**10.36**	**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

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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-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
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

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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-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-8	12/18/2008	340	38	<1.0	5.4	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.83	23.31	12.52	NA	NA	NA
S-8	01/05/2009	170	15	<1.0	1.2	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.83	23.28	12.55	NA	NA	NA
S-8	01/15/2009	260	45	<1.0	3.2	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.83	23.05	12.78	NA	NA	NA
S-8	02/12/2009	88	7.2	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.83	23.34	12.49	NA	NA	NA
S-8	**03/12/2009**	**12,000**	**1,700**	**2,100**	**200**	**2,400**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.83**	**22.90**	**12.93**	**NA**	**NA**	**NA**
S-8	**04/09/2009**	**170**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.83**	**23.10**	**12.73**	**NA**	**NA**	**594**
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
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

WELL CONCENTRATIONS - TABLE 1
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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	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
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-9	12/18/2008	1500	280	43	71	182	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.81	11.53	NA	NA	NA
S-9	01/05/2009	1,000	230	24	45	64	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.75	11.59	NA	NA	NA
S-9	01/15/2009	2,100	560	75	100	245	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.37	11.97	NA	NA	NA
S-9	02/12/2009	500	120	19	26	50	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.61	11.73	NA	NA	NA
S-9	**03/12/2009**	**810**	**200**	**30**	**50**	**110**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.34**	**22.22**	**12.12**	**NA**	**NA**	**NA**
S-9	**04/09/2009**	**2,300**	**450**	**60**	**110**	**260**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.34**	**22.12**	**12.22**	**NA**	**0.65**	**79**
S-9	**05/18/2009**	**1,500**	**200**	**35**	**61**	**180**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.34**	**22.09**	**12.25**	**NA**	**2.71**	**173**
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

WELL CONCENTRATIONS - TABLE 1
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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	04/20/1995	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
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

WELL CONCENTRATIONS - TABLE 1
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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	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-10	12/18/2008	<50	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.35	24.00	12.35	NA	NA	NA
S-10	01/05/2009	<50	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.87	12.48	NA	NA	NA
S-10	01/15/2009	<50	<0.50	<1.0	1.1	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.66	12.69	NA	NA	NA
S-10	02/12/2009	56	<0.50	<1.0	3.4	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.96	12.39	NA	NA	NA
S-10	**03/12/2009**	**53**	**<0.50**	**<1.0**	**4.9**	**<1.0**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**36.35**	**23.44**	**12.91**	**NA**	**NA**	**NA**
S-10	**04/09/2009**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**36.35**	**23.26**	**13.09**	**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
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-12	12/18/2008	<50	8.3	<1.0	1.8	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.44	24.81	11.63	NA	NA	NA
S-12	01/05/2009	95	16	<1.0	3.2	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.44	24.75	11.69	NA	NA	NA
S-12	01/15/2009	140	36	<1.0	12	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.44	24.54	11.90	NA	NA	NA
S-12	02/12/2009	<50	5.0	<1.0	1.6	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.44	24.81	11.63	NA	NA	NA
S-12	**03/12/2009**	**<50**	**4.8**	**<1.0**	**1.5**	**<1.0**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**36.44**	**24.41**	**12.03**	**NA**	**NA**	**NA**
S-12	**04/09/2009**	**59**	**6.0**	**<1.0**	**1.6**	**<1.0**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**36.44**	**24.23**	**12.21**	**NA**	**0.50**	**-3**
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

WELL CONCENTRATIONS - TABLE 1
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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-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-13	12/18/2008	3,900	530	560	76	510	NA	NA	NA	NA	NA	NA	NA	NA	35.05	23.61	11.44	NA	NA	NA
S-13	01/05/2009	8,200	700	670	67	1,000	NA	NA	NA	NA	NA	NA	NA	NA	35.05	23.54	11.51	NA	NA	NA
S-13	01/15/2009	5,400	610	610	48	950	NA	NA	NA	NA	NA	NA	NA	NA	35.05	23.10	11.95	NA	NA	NA
S-13	02/12/2009	6,300	800	1,000	110	870	NA	NA	NA	NA	NA	NA	NA	NA	35.05	22.36	12.69	NA	NA	NA
S-13	**03/12/2009**	**14,000**	**1,700**	**2,300**	**190**	**2,400**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.05**	**23.20**	**11.85**	**NA**	**NA**	**NA**
S-13	**04/09/2009**	**35,000**	**510**	**7,800**	**1000**	**4,300**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.05**	**23.02**	**12.03**	**NA**	**25.9**	**433**
S-13	**05/18/2009**	**35,000**	**820**	**7,000**	**1100**	**6,600**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.05**	**23.07**	**11.98**	**NA**	**5.21**	**83**
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-14R	12/18/2008	7,800	530	640	79	1010	NA	NA	NA	NA	NA	NA	NA	NA	34.95	22.80	12.15	NA	NA	NA
S-14R	01/05/2009	2,100	89	86	19	140	NA	NA	NA	NA	NA	NA	NA	NA	34.95	22.80	12.15	NA	NA	NA
S-14R	01/15/2009	4,800	430	540	83	730	NA	NA	NA	NA	NA	NA	NA	NA	34.95	22.57	12.38	NA	NA	NA
S-14R	02/12/2009	1,000	40	29	7.3	55	NA	NA	NA	NA	NA	NA	NA	NA	34.95	22.89	12.06	NA	NA	NA
S-14R	**03/12/2009**	**350**	**22**	**18**	**3.3**	**29**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.95**	**22.39**	**12.56**	**NA**	**NA**	**NA**
S-14R	**04/09/2009**	**2,300**	**230**	**240**	**47**	**250**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.95**	**22.35**	**12.60**	**NA**	**0.30**	**430**
S-14R	**05/18/2009**	**750**	**51**	**48**	**17**	**67**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.95**	**22.20**	**12.75**	**NA**	**5.63**	**93**
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

WELL CONCENTRATIONS - TABLE 1
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-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-17	01/05/2009	15,000	790	700	150	1,200	NA	<10	NA	NA	NA	NA	<5.0	<10	35.50	23.66	11.84	NA	NA	NA
S-17	01/15/2009	2,300	220	170	19	300	NA	NA	NA	NA	NA	NA	NA	NA	35.50	23.37	12.13	NA	NA	NA
S-17	02/12/2009	4,700	750	200	37	23	NA	NA	NA	NA	NA	NA	NA	NA	35.50	23.66	11.84	NA	NA	NA
S-17	**03/12/2009**	**3,300**	**640**	**370**	**81**	**290**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.50**	**23.24**	**12.26**	**NA**	**NA**	**NA**
S-17	**04/09/2009**	**1,300**	**200**	**110**	**37**	**100**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.50**	**23.20**	**12.30**	**NA**	**0.69**	**429**
S-17	**05/18/2009**	**630**	**97**	**44**	**17**	**25**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.50**	**23.21**	**12.29**	**NA**	**5.93**	**442**
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
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-18	01/05/2009	20,000	830	1,000	290	1,400	NA	<50	NA	NA	NA	NA	<25	<50	35.03	23.16	11.87	NA	NA	NA
S-18	01/15/2009	8,200	690	790	150	1,230	NA	NA	NA	NA	NA	NA	NA	NA	35.03	22.97	12.06	NA	NA	NA
S-18	02/12/2009	13,000	1,200	1,400	330	940	NA	NA	NA	NA	NA	NA	NA	NA	35.03	23.29	11.74	NA	NA	NA
S-18	**03/12/2009**	**52,000**	**5,300**	**9,000**	**1,600**	**10,000**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.03**	**22.85**	**12.18**	**NA**	**NA**	**NA**
S-18	**04/09/2009**	**Insufficient water**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.03**	**22.79**	**12.24**	**NA**	**NA**	**NA**
S-18	**05/18/2009**	**6,700**	**320**	**1,100**	**200**	**1,000**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.03**	**22.81**	**12.22**	**NA**	**6.51**	**377**
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-19	12/18/2008	2,900	190	300	41	420	NA	NA	NA	NA	NA	NA	NA	NA	34.57	22.60	11.97	NA	NA	NA
S-19	01/05/2009	3,400	230	250	50	380	NA	NA	NA	NA	NA	NA	NA	NA	34.57	22.56	12.01	NA	NA	NA
S-19	01/15/2009	3,100	340	540	70	440	NA	NA	NA	NA	NA	NA	NA	NA	34.57	22.31	12.26	NA	NA	NA
S-19	02/12/2009	1,300	130	180	37	190	NA	NA	NA	NA	NA	NA	NA	NA	34.57	22.58	11.99	NA	NA	NA
S-19	**03/12/2009**	**880**	**110**	**150**	**30**	**160**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.57**	**22.44**	**12.13**	**NA**	**NA**	**NA**
S-19	**04/09/2009**	**1,300**	**140**	**190**	**32**	**190**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.57**	**22.02**	**12.55**	**NA**	**0.57**	**106**
S-19	**05/18/2009**	**780**	**69**	**87**	**17**	**100**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.57**	**22.04**	**12.53**	**NA**	**6.47**	**75**
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

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Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	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-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-20	01/05/2009	17,000	1,500	1,700	320	1,900	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.78	11.72	NA	NA	NA
S-20	02/12/2009	11,000	1,300	1,400	230	1,600	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.80	11.70	NA	2.6	-64
S-20	**03/12/2009**	**19,000**	**2,700**	**3,200**	**390**	**3,100**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.50**	**22.40**	**12.10**	**NA**	**NA**	**NA**
S-20	**04/09/2009**	**8,200**	**80**	**480**	**220**	**490**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.50**	**22.90**	**11.60**	**NA**	**13.80**	**578**
S-20	**05/18/2009**	**21,000**	**970**	**1,500**	**630**	**4,800**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.50**	**22.42**	**12.08**	**NA**	**4.58**	**197**
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-21A	12/18/2008	17,000	3,700	1,200	170	47	NA	NA	NA	NA	NA	NA	NA	NA	35.80	23.91	11.89	NA	NA	NA
S-21A	01/05/2009	28,000	3,100	2,900	450	1,100	NA	NA	NA	NA	NA	NA	NA	NA	35.80	23.78	12.02	NA	NA	NA
S-21A	01/15/2009	9,700	2,100	290	45	<25	NA	NA	NA	NA	NA	NA	NA	NA	35.80	23.53	12.27	NA	NA	NA
S-21A	02/12/2009	19,000	3,100	2,500	330	500	NA	NA	NA	NA	NA	NA	NA	NA	35.80	23.83	11.97	NA	NA	NA
S-21A	**03/12/2009**	**31,000**	**2,600**	**3,800**	**810**	**3,700**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.80**	**23.35**	**12.45**	**NA**	**NA**	**NA**
S-21A	**04/09/2009**	**7,800**	**700**	**750**	**130**	**<25**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.80**	**24.00**	**11.80**	**NA**	**0.91**	**304**
S-21A	**05/18/2009**	**15,000**	**1,800**	**2,200**	**390**	**1,900**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.80**	**23.46**	**12.34**	**NA**	**2.37**	**529**
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-21B	12/18/2008	5,300	36	310	120	770	NA	NA	NA	NA	NA	NA	NA	NA	35.76	23.72	12.04	NA	NA	NA
S-21B	01/05/2009	5,400	35	200	93	600	NA	NA	NA	NA	NA	NA	NA	NA	35.76	23.70	12.06	NA	NA	NA
S-21B	01/15/2009	3,300	30	150	78	470	NA	NA	NA	NA	NA	NA	NA	NA	35.76	23.43	12.33	NA	NA	NA
S-21B	02/12/2009	2,800	12	100	69	450	NA	NA	NA	NA	NA	NA	NA	NA	35.76	23.81	11.95	NA	NA	NA
S-21B	**03/12/2009**	**2,300**	**9.4**	**72**	**50**	**320**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.76**	**23.32**	**12.44**	**NA**	**NA**	**NA**
S-21B	**04/09/2009**	**890**	**14**	**55**	**19**	**140**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.76**	**23.20**	**12.56**	**NA**	**0.56**	**453**
S-21B	**05/18/2009**	**390**	**6.8**	**14**	**12**	**27**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.76**	**23.24**	**12.52**	**NA**	**1.62**	**458**
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-22A	12/18/2008	42,000	6,300	6,600	1,200	4,400	NA	NA	NA	NA	NA	NA	NA	NA	35.06	23.03	12.03	NA	NA	NA
S-22A	01/05/2009	56,000	4,500	5,300	1,200	6,400	NA	NA	NA	NA	NA	NA	NA	NA	35.06	23.03	12.03	NA	NA	NA
S-22A	01/15/2009	25,000	5,900	4,400	740	1,570	NA	NA	NA	NA	NA	NA	NA	NA	35.06	22.84	12.22	NA	NA	NA
S-22A	02/12/2009	43,000	6,700	6,600	1,200	5,000	NA	NA	NA	NA	NA	NA	NA	NA	35.06	23.15	11.91	NA	NA	NA
S-22A	**03/12/2009**	**35,000**	**4,600**	**4,600**	**980**	**4,600**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.06**	**22.65**	**12.41**	**NA**	**NA**	**NA**

WELL CONCENTRATIONS - TABLE 1
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461 8th Street
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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-22A	**04/09/2009**	**22,000**	**120**	**1,900**	**680**	**3,400**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.06**	**22.88**	**12.18**	**NA**	**8.41**	**556**
S-22A	**05/18/2009**	**25,000**	**4,700**	**1,300**	**590**	**3,700**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.06**	**22.83**	**12.23**	**NA**	**2.46**	**539**
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-22B	12/18/2008	150	2.9	6.1	2.9	17.5	NA	NA	NA	NA	NA	NA	NA	NA	35.24	23.26	11.98	NA	NA	NA
S-22B	01/05/2009	110	1.9	5.0	2.6	11	NA	NA	NA	NA	NA	NA	NA	NA	35.24	28.12	7.12	NA	NA	NA
S-22B	01/15/2009	59	1.3	1.9	1.6	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.24	22.90	12.34	NA	NA	NA
S-22B	02/12/2009	290	11	6.8	7.9	19	NA	NA	NA	NA	NA	NA	NA	NA	35.24	23.02	12.22	NA	NA	NA
S-22B	**03/12/2009**	**390**	**4.4**	**4.6**	**3.8**	**12**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.24**	**22.86**	**12.38**	**NA**	**NA**	**NA**
S-22B	**04/09/2009**	**280**	**5.3**	**2.5**	**4.0**	**6.8**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.24**	**22.62**	**12.62**	**NA**	**2.24**	**164**
S-22B	**05/18/2009**	**170**	**3.7**	**2.9**	**2.4**	**8.6**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.24**	**22.62**	**12.62**	**NA**	**1.42**	**-171**
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
S-23	01/05/2009	830	63	98	14	58	NA	NA	NA	NA	NA	NA	NA	NA	35.75	23.51	12.24	NA	NA	NA
S-23	02/12/2009	3,400	160	320	55	430	NA	NA	NA	NA	NA	NA	NA	NA	35.75	23.62	12.13	NA	NA	NA
S-23	**03/12/2009**	**4,600**	**210**	**460**	**71**	**610**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.75**	**23.03**	**12.72**	**NA**	**NA**	**NA**
S-23	**04/09/2009**	**2,700**	**180**	**95**	**33**	**<5.0**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.75**	**22.98**	**12.77**	**NA**	**1.24**	**567**
S-23	**05/18/2009**	**3,000**	**350**	**440**	**79**	**300**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.75**	**23.18**	**12.57**	**NA**	**19.77**	**503**
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
OW-1	**04/09/2009**	**Well dry**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
OW-1	**05/18/2009**	**Well dry**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

WELL CONCENTRATIONS - TABLE 1
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)

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
m/V = Microvolts
<n = Below detection limit
(D) = Duplicate sample
NA = Not applicable

WELL CONCENTRATIONS - TABLE 1
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)

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 - TABLE 2
Former Shell Service Station
461 8th Street
Oakland, CA

Well ID	Date	Dissolved Arsenic (ug/L)	Total Arsenic (ug/L)	Dissolved Chromium (ug/L)	Total Chromium (ug/L)	Dissolved Nickel (ug/L)	Total Nickel (ug/L)	Dissolved Iron (ug/L)	Total Iron (ug/L)	Dissolved Manganese (ug/L)	Total Manganese (ug/L)	Chloride (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Hexavalent Chromium (ug/L)	Total Suspended Solids (mg/L)	Iron (II) (mg/L)	Iron (III) (mg/L)	Bromate (mg/L)
S-8	11/11/2008	<10.0	16.3	27.0	428	5.99	82.0	<100	8,510	<5.00	2,460	32	0.16	4.4	27	22	107	<0.10	8.51	<1
S-8	12/18/2008	<10.0	<10.0	11.5	86.8	16.1	33.3	<100	2,080	733	1,110	32	<0.10	3.1	21	9.3	20	<0.10	NA	NA
S-8	01/05/2009	<10.0	<10.0	17.2	177	10.0	38.0	<100	6,140	471	1,150	36	0.15	3.8	33	16	83	<0.10	NA	NA
S-8	01/15/2009	<10.0	<10.0	23.5	51.7	7.79	20.6	<100	3,700	379	595	33	0.16	3.4	26	13	120	<0.10	3.70	NA
S-8	02/12/2009	<10.0	<10.0	21.9	46.7	5.57	14.0	<100	1,790	68.7	289	30	0.16	3.9	25	23	43	<0.10	NA	NA
S-8	**03/12/2009**	**<10.0**	**<10.0**	**17.3**	**32.3**	**5.13**	**7.95**	**<100**	**937**	**239**	**323**	**22**	**0.12**	**2.9**	**20**	**15**	**46**	**<0.10**	**0.937**	**NA**
S-8	**04/09/2009**	**119**	**140**	**3,930**	**4,670**	**12,600**	**12,500**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34,000**	**140**	**144**	**NA**	**NA**	**NA**
S-9	11/11/2008	<10.0	<10.0	<5.00	207	5.07	10.7	<100	6,400	488	1,140	66	0.27	2.7	25	<1.0	140	0.11	6.29	<1
S-9	12/18/2008	<10.0	<10.0	<5.00	214	7.23	10.8	676	4,550	845	1,100	110	0.25	2.4	32	<1.0	24	0.24	NA	NA
S-9	01/05/2009	<10.0	<10.0	<5.00	88.3	<5.00	<5.00	593	3,410	725	942	150	0.76	3.3	37	<1.0	42	0.25	NA	NA
S-9	01/15/2009	<10.0	<10.0	<5.00	203	6.51	11.7	1,000	5,590	855	1,140	160	0.84	3.2	40	<1.0	40	0.62	4.97	NA
S-9	02/12/2009	<10.0	<10.0	<5.00	42.5	5.96	5.47	619	1,570	447	444	180	0.98	5.3 b	65	<1.0	18	0.24	NA	NA
S-9	**03/12/2009**	**<10.0**	**<10.0**	**<5.00**	**47.5**	**5.11**	**6.91**	**380**	**2,180**	**459**	**591**	**170**	**0.76**	**4.7**	**47**	**<1.0**	**21**	**0.14**	**2.04**	**NA**
S-9	**04/09/2009**	**<10.0**	**<10.0**	**7.89**	**52.4**	**15.5**	**11.9**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**48**	**<1.0**	**78**	**NA**	**NA**	**NA**
S-9	**05/18/2009**	**<10.0**	**<10.0**	**6.92**	**44.1**	**<5.00**	**7.17**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**45**	**<1.0**	**7.5**	**NA**	**NA**	**NA**
S-10	12/18/2008	<10.0	<10.0	22.3	47.3	6.35	63.4	168	5,000	231	3,860	100	0.32	16	180	21	84	<0.10	NA	NA
S-10	01/05/2009	<10.0	<10.0	21.2	53.8	<5.00	36.1	<100	5,950	109	3,830	94	0.50	17	170	23	108	<0.10	NA	NA
S-10	01/15/2009	<10.0	<10.0	25.1	35.7	<5.00	12.4	<100	2,660	132	648	85	0.48	17	150	22	72	<0.10	2.66	NA
S-10	02/12/2009	<10.0	<10.0	22.6	29.4	<5.00	15.5	<100	5,750	318	353	77	0.37	14 b	140	25	87	<0.10	NA	NA
S-10	**03/12/2009**	**<10.0**	**<10.0**	**20.9**	**26.3**	**<5.00**	**7.22**	**<100**	**1,420**	**162**	**622**	**72**	**0.40**	**12 b**	**130**	**14**	**44**	**<0.10**	**1.42**	**NA**
S-12	11/11/2008	<10.0	19.9	<5.00	404	<5.00	509	228	159,000	36.9	6,780	20	0.11	1.9	22	<1.0	1,850	<0.10	159	<1 c
S-12	12/18/2008	<10.0	12.8	<5.00	98.3	<5.00	104	166	40,700	155	1,150	20	<0.10	1.3	24	3.5	446	<0.10	NA	NA
S-12	01/05/2009	<10.0	20.6	9.20	149	<5.00	153	1,220	61,900	319	1,790	22	0.12	1.8	27	5.2	662	<0.10	NA	NA
S-12	01/15/2009	<10.0	<10.0	7.19	124	<5.00	138	462	52,700	223	1,490	25	0.16	1.7	25	3.5	550	<0.10	52.7	NA
S-12	02/12/2009	<10.0	<10.0	9.16	85.0	<5.00	84.5	<100	33,500	56.5	1,110	19	<0.10	1.6	21	9.3	224	<0.10	NA	NA
S-12	**03/12/2009**	**<10.0**	**<10.0**	**11.3**	**41.7**	**<5.00**	**37.2**	**166**	**14,200**	**48.5**	**485**	**14**	**0.10**	**1.4**	**18**	**8.9**	**321**	**<0.10**	**14.2**	**NA**
S-12	**04/09/2009**	**<10.0**	**<10.0**	**15.5**	**50.5**	**<5.00**	**39.0**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**44**	**10**	**573**	**NA**	**NA**	**NA**
S-13	11/11/2008	<10.0	<10.0	<5.00	34.1	<5.00	33.2	263	13,400	315	415	23	0.11	2.2	20	<1.0	680	<0.10	13.4	<1
S-13	12/18/2008	<10.0	<10.0	<5.00	34.3	<5.00	34.2	756	14,800	404	481	27	<0.10	1.9	23	<1.0	205	0.38	NA	NA
S-13	01/05/2009	<10.0	<10.0	<5.00	49.5	<5.00	44.9	496	20,100	329	576	25	0.13	1.5	21	<1.0	381	0.43	NA	NA
S-13	01/15/2009	<10.0	<10.0	<5.00	61.8	<5.00	55.8	452	23,100	297	513	25	<0.10	4.1	21	<1.0	340	0.46	22.6	NA
S-13	02/12/2009	<10.0	<10.0	<5.00	17.2	17.6	35.0	2,020	8,680	1,410	1,010	36	0.33	3.2	1,600	<1.0	163	0.84	NA	NA
S-13	**03/12/2009**	**12.1**	**<10.0**	**10.4**	**<5.00**	**33.4**	**32.1**	**9,480**	**3,600**	**3,930**	**3,710**	**28**	**0.20**	**1.1**	**2,100**	**<1.0**	**105**	**2.7**	**0.910**	**NA**
S-13	**04/09/2009**	**<10.0**	**<10.0**	**1,060**	**303**	**3,080**	**1,080**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**3,900**	**<5.0 d**	**242**	**NA**	**NA**	**NA**
S-13	**05/18/2009**	**<10.0**	**<10.0**	**75.7**	**95.9**	**1,100**	**981**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**2,200**	**<1.0**	**143**	**NA**	**NA**	**NA**

WELL CONCENTRATIONS - TABLE 2
Former Shell Service Station
461 8th Street
Oakland, CA

Well ID	Date	Dissolved Arsenic (ug/L)	Total Arsenic (ug/L)	Dissolved Chromium (ug/L)	Total Chromium (ug/L)	Dissolved Nickel (ug/L)	Total Nickel (ug/L)	Dissolved Iron (ug/L)	Total Iron (ug/L)	Dissolved Manganese (ug/L)	Total Manganese (ug/L)	Chloride (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Hexavalent Chromium (ug/L)	Total Suspended Solids (mg/L)	Iron (II) (mg/L)	Iron (III) (mg/L)	Bromate (mg/L)
S-14R	11/11/2008	<10.0	<10.0	13.0	64.8	<5.00	62.7	<100	23,200	244	607	51	0.21	4.1	28	16	397	<0.10	23.2	<1
S-14R	12/18/2008	<10.0	<10.0	<5.00	16.6	6.17	18.7	279	6,060	878	938	63	0.17	3.1	48	<1.0	238	<0.10	NA	NA
S-14R	01/05/2009	<10.0	<10.0	8.91	49.9	<5.00	35.3	160	15,300	308	577	51	0.23	3.6	41	4.1	323	<0.10	NA	NA
S-14R	01/15/2009	<10.0	<10.0	<5.00	18.6	8.26	17.5	1,410	6,220	2,450	2,450	<1.0	<0.10	0.17	<1.0	<1.0	210	0.83	5.39	NA
S-14R	02/12/2009	<10.0	<10.0	5.54	29.2	<5.00	14.9	104	5,690	283	348	43	0.20	3.9	54	<1.0	126	<0.10	NA	NA
S-14R	**03/12/2009**	**<10.0**	**<10.0**	**8.89**	**33.8**	**5.92**	**13.9**	**<100**	**5,490**	**146**	**269**	**28**	**0.15**	**2.6**	**85**	**5.6**	**78**	**<0.10**	**5.49**	**NA**
S-14R	**04/09/2009**	**<10.0**	**<10.0**	**<5.00**	**24.4**	**<5.00**	**16.9**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**49**	**<1.0**	**123**	**NA**	**NA**	**NA**
S-14R	**05/18/2009**	**<10.0**	**<10.0**	**7.50**	**25.8**	**<5.00**	**9.86**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**26**	**17**	**90**	**NA**	**NA**	**NA**
S-17	01/15/2009	<10.0	23.4	<5.00	321	<5.00	329	747	112,000	343	1,450	19	<0.10	2.0	24	<1.0	600	<0.10	112	NA
S-17	02/12/2009	<10.0	16.8	<5.00	627	79.2	748	232	208,000	1,320	4,030	20	0.16	1.2	950	<1.0	3,920	<0.10	NA	NA
S-17	**03/12/2009**	**<10.0**	**<10.0**	**<5.00**	**17.8**	**38.1**	**87.9**	**556**	**4,870**	**796**	**868**	**13**	**<0.10**	**0.82**	**290**	**<1.0**	**2,760**	**<0.10**	**4.87**	**NA**
S-17	**04/09/2009**	**<10.0**	**<10.0**	**7.07**	**36.9**	**42.3**	**85.8**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**220**	**<1.0**	**1,740**	**NA**	**NA**	**NA**
S-17	**05/18/2009**	**<10.0**	**<10.0**	**26.1**	**131**	**18.5**	**115**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**120**	**20**	**1,600**	**NA**	**NA**	**NA**
S-18	01/15/2009	<10.0	25.0	<5.00	210	<5.00	243	1,130	86,300	459	1,340	21	0.25	0.74	15	<1.0	340	0.12	86.2	NA
S-18	02/12/2009	<10.0	<10.0	<5.00	56.8	8.98	20.5	1,310	8,080	1,970	339	28	0.28	0.70	670	<1.0	3,890	<0.10	NA	NA
S-18	**03/12/2009**	**10.6**	**55.4**	**<5.00**	**396**	**31.9**	**448**	**2,710**	**147,000**	**3,260**	**4,090**	**31**	**0.22**	**0.32**	**1,800**	**<1.0**	**1,130**	**<0.10**	**147**	**NA**
S-18	**05/18/2009**	**<10.0**	**<10.0**	**110**	**230**	**862**	**1,150**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**3,000**	**1.7**	**1,460**	**NA**	**NA**	**NA**
S-19	11/11/2008	<10.0	<10.0	35.2	44.4	<5.00	7.39	<100	3,000	22.8	105	47	0.22	3.2	25	36	105	<0.10	3.00	<1
S-19	12/18/2008	<10.0	<10.0	32.0	66.6	<5.00	20.4	136	7,850	79.2	317	49	0.13	2.0	26	31	191	<0.10	NA	NA
S-19	01/05/2009	<10.0	<10.0	26.7	62.7	<5.00	22.0	179	10,500	88.5	421	47	0.23	2.1	31	22	329	<0.10	NA	NA
S-19	01/15/2009	<10.0	<10.0	22.6	70.4	<5.00	27.3	<100	11,200	191	483	42	0.28	1.8	86	20	230	<0.10	11.2	NA
S-19	02/12/2009	<10.0	<10.0	28.5	59.1	<5.00	20.6	102	8,150	205	354	40	0.20	2.5	350	29	204	<0.10	NA	NA
S-19	**03/12/2009**	**<10.0**	**<10.0**	**41.1**	**46.6**	**<5.00**	**8.62**	**<100**	**3,100**	**138**	**224**	**28**	**0.13**	**2.0**	**300**	**34**	**252**	**<0.10**	**3.10**	**NA**
S-19	**04/09/2009**	**<10.0**	**<10.0**	**33.3**	**60.0**	**11.7**	**34.0**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**150**	**36**	**282**	**NA**	**NA**	**NA**
S-19	**05/18/2009**	**<10.0**	**<10.0**	**31.6**	**67.7**	**<5.00**	**19.6**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**54**	**33**	**183**	**NA**	**NA**	**NA**
S-20	11/11/2008	<10.0	12.9	30.7	53.5	<5.00	26.9	<100	10,500	<5.00	249	27	0.13	2.7	26	31	252	<0.10	10.5	<1
S-20	02/12/2009	<10.0	<10.0	33.4	60.6	<5.00	23.3	<100	8,410	73.9	259	38	0.24	2.9	150	29	205	<0.10	NA	NA
S-20	**03/12/2009**	**<10.0**	**<10.0**	**34.5**	**52.7**	**<5.00**	**15.3**	**<100**	**5,530**	**636**	**1,160**	**36**	**0.44**	**2.0**	**720**	**21**	**30**	**<0.10**	**5.53**	**NA**
S-20	**04/09/2009**	**<10.0**	**<10.0**	**1,490**	**809**	**5,070**	**3,310**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**7,200**	**23**	**428**	**NA**	**NA**	**NA**
S-20	**05/18/2009**	**<10.0**	**<10.0**	**129**	**134**	**1,160**	**1,170**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**2,700**	**6.0**	**61**	**NA**	**NA**	**NA**
S-21A	11/11/2008	<10.0	38.4	<5.00	1,090	5.39	1,390	<100	384,000	2,990	9,000	90	0.98	<0.10	18	<1.0	7,510	0.16	384	<1 c
S-21A	12/18/2008	<10.0	43.3	1,720	1,650	8,240	7,260	256,000	311,000	119,000	85,800	95	<0.50 d	0.51 d	18,000	4.4	2,470	0.15	NA	NA
S-21A	01/05/2009	<10.0	86.6	501	922	3,030	3,080	45,100	292,000	39,600	34,800	83	1.9	0.42	6,200	1.4	3,890	0.20	NA	NA

WELL CONCENTRATIONS - TABLE 2
Former Shell Service Station
461 8th Street
Oakland, CA

Well ID	Date	Dissolved Arsenic (ug/L)	Total Arsenic (ug/L)	Dissolved Chromium (ug/L)	Total Chromium (ug/L)	Dissolved Nickel (ug/L)	Total Nickel (ug/L)	Dissolved Iron (ug/L)	Total Iron (ug/L)	Dissolved Manganese (ug/L)	Total Manganese (ug/L)	Chloride (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Hexavalent Chromium (ug/L)	Total Suspended Solids (mg/L)	Iron (II) (mg/L)	Iron (III) (mg/L)	Bromate (mg/L)
S-21A	01/15/2009	214	100	4,420	3,590	10,900	9,290	1,390,000	1,060,000	152,000	140,000	62	<1.0	4.9	30,000	11	860	<0.10	1,060	NA
S-21A	02/12/2009	<10.0	35.0	658	1,370	2,270	3,230	80,000	361,000	24,000	29,000	87	24	0.90	6,400	1.3	2,530	0.16	NA	NA
S-21A	**03/12/2009**	**<10.0**	**<10.0**	**68.8**	**64.5**	**520**	**457**	**1,400**	**6,240**	**6,070**	**5,290**	**61**	**0.66**	**1.3**	**1,100**	**<1.0**	**501**	**0.11**	**6.13**	**NA**
S-21A	**04/09/2009**	**<10.0**	**<10.0**	**4,180**	**4,270**	**10,000**	**10,200**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**26,000**	**<10 d**	**380**	**NA**	**NA**	**NA**
S-21A	**05/18/2009**	**<10.0**	**<10.0**	**214**	**221**	**1,510**	**1,450**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**2,500**	**2.2**	**409**	**NA**	**NA**	**NA**
S-21B	11/11/2008	<10.0	12.0	44.8	54.6	<5.00	6.07	<100	2,120	<5.00	61.6	37	0.17	5.3	40	43	42	<0.10	2.12	<1
S-21B	12/18/2008	<10.0	<10.0	24.7	25.9	<5.00	<5.00	<100	116	5.68	10.3	42	<0.10	4.7	50	22	20	<0.10	NA	NA
S-21B	01/05/2009	<10.0	<10.0	25.2	25.9	<5.00	<5.00	<100	825	<5.00	23.2	44	0.24	4.4	50	20	55	<0.10	NA	NA
S-21B	01/15/2009	<10.0	<10.0	21.9	18.7	<5.00	<5.00	<100	200	<5.00	7.96	39	0.18	4.3	56	18	17	<0.10	0.200	NA
S-21B	02/12/2009	<10.0	<10.0	22.5	23.0	<5.00	<5.00	<100	842	<5.00	29.0	44	0.21	4.6 b	66	21	46	<0.10	NA	NA
S-21B	**03/12/2009**	**<10.0**	**<10.0**	**19.6**	**20.8**	**<5.00**	**<5.00**	**<100**	**758**	**<5.00**	**21.1**	**29**	**0.10**	**3.7**	**44**	**16**	**25**	**<0.10**	**0.758**	**NA**
S-21B	**04/09/2009**	**<10.0**	**<10.0**	**23.7**	**106**	**<5.00**	**68.6**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**41**	**23**	**3,030**	**NA**	**NA**	**NA**
S-21B	**05/18/2009**	**<10.0**	**<10.0**	**28.8**	**29.8**	**<5.00**	**<5.00**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**320**	**150 f**	**77**	**NA**	**NA**	**NA**
S-22A	11/11/2008	<10.0	70.3	<5.00	1,420	<5.00	1,890	145	546,000	2,710	10,500	82	1.2	<0.10	13	<1.0	4,770	2.6	543	<1 c
S-22A	12/18/2008	<10.0	170	362	1,290	2,590	3,620	55,100	469,000	36,300	38,700	92	<1.0 d	<1.0 d, e	5,100	5.8	1,780	0.27	NA	NA
S-22A	01/05/2009	<10.0	132	<5.00	665	476	1,090	5,780	313,000	8,980	10,700	77	1.2	0.26	1,200	<1.0	9,200	1.4	NA	NA
S-22A	01/15/2009	<10.0	171	1,760	2,450	6,170	6,510	281,000	641,000	66,600	65,200	59	5.5	1.4	15,000	48	1,480	<0.10	641	NA
S-22A	02/12/2009	<10.0	89.9	16.6	1,170	899	1,250	203	354,000	11,800	13,000	86	2.3	0.34	1,700	1.2	3,860	<0.10	NA	NA
S-22A	**03/12/2009**	**<10.0**	**143**	**<5.00**	**997**	**366**	**760**	**304**	**319,000**	**6,920**	**8,430**	**61**	**1.2**	**0.13**	**850**	**<1.0**	**1,570**	**<0.10**	**319**	**NA**
S-22A	**04/09/2009**	**<10.0**	**<10.0**	**1,080**	**1,160**	**4400**	**4,530**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**6,800**	**26**	**2,500**	**NA**	**NA**	**NA**
S-22A	**05/18/2009**	**<10.0**	**<10.0**	**209**	**309**	**2,440**	**2,420**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**7,000**	**<2.0 d**	**1,670**	**NA**	**NA**	**NA**
S-22B	11/11/2008	<10.0	<10.0	25.7	30.2	<5.00	<5.00	<100	1,210	<5.00	24.8	17	<0.10	1.5	19	27	18	<0.10	1.21	<1
S-22B	12/18/2008	<10.0	<10.0	24.3	29.3	<5.00	<5.00	166	1,850	6.12	42.5	19	<0.10	1.3	21	24	28	<0.10	NA	NA
S-22B	01/05/2009	<10.0	<10.0	38.0	41.8	<5.00	<5.00	109	1,250	7.36	25.3	45	<0.10	1.4	270	34	18	<0.10	NA	NA
S-22B	01/15/2009	<10.0	<10.0	88.4	79.1	7.69	7.65	<100	610	9.81	22.5	24	0.27	1.7	1,300	80	12	<0.10	0.610	NA
S-22B	02/12/2009	<10.0	<10.0	436	450	984	1,030	<100	590	9,800	10,300	40	<0.20	2.4	11,000	500	86	<0.10	NA	NA
S-22B	**03/12/2009**	**15.3**	**17.0**	**551**	**522**	**2,760**	**2,520**	**<100**	**227**	**17,900**	**16,500**	**24 d**	**<0.50 d**	**1.1 d**	**11,000**	**560**	**34**	**<0.10**	**0.227**	**NA**
S-22B	**04/09/2009**	**<10.0**	**<10.0**	**337**	**279**	**7,640**	**6,900**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**9,400**	**260**	**66**	**NA**	**NA**	**NA**
S-22B	**05/18/2009**	**<10.0**	**<10.0**	**187**	**192**	**5,670**	**5,470**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**6,400**	**190**	**56**	**NA**	**NA**	**NA**
S-23	02/12/2009	<10.0	<10.0	6.20	26.2	149	141	<100	7,840	2,580	2,450	24	<0.10	1.4	340	5.2	126	<0.10	NA	NA
S-23	**03/12/2009**	**<10.0**	**<10.0**	**6.61**	**14.9**	**72.8**	**73.3**	**<100**	**2,770**	**1,320**	**1,350**	**16**	**0.31**	**0.93**	**200**	**4.6**	**79**	**<0.10**	**2.77**	**NA**
S-23	**04/09/2009**	**<10.0**	**<10.0**	**894**	**1,060**	**3,580**	**3,460**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**9,100**	**18**	**273**	**NA**	**NA**	**NA**
S-23	**05/18/2009**	**<10.0**	**<10.0**	**54.0**	**72.1**	**285**	**279**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**600**	**35**	**194**	**NA**	**NA**	**NA**

WELL CONCENTRATIONS - TABLE 2
Former Shell Service Station
461 8th Street
Oakland, CA

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

Abbreviations:
ug/L = Parts per billion
mg/L = Parts per million
<n = Below detection limit
NA = Not analyzed
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.
Notes:
b = Dilution analysis was run out of hold time
c = Aqueous sample that contains greater than ~1 vol.% sediment.
d= The reporting limit is elevated resulting from matrix interference.
e= Sample analyzed outside recommended holding time.
f = Discrepancy between dissolved chromium, total chromium, and hexavalent chromium. Total and dissolved values are significantly less than hexavalent chromium result.

Calscience
Environmental
Laboratories, Inc.

March 26, 2009

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

Subject: **Calscience Work Order No.:** **09-03-1216**
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 3/13/2009 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Philip Samelle for

Calscience Environmental
Laboratories, Inc.
Jessie Kim
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 03/13/09
Work Order No: 09-03-1216
Preparation: EPA 3005A Filt.
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	09-03-1216-1-D	03/12/09 13:25	Aqueous	ICP 5300	03/13/09	03/14/09 14:15	090313LA6F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	ND	0.100	1	
Chromium	0.0173	0.00500	1		Manganese	0.239	0.00500	1	
Nickel	0.00513	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-9	09-03-1216-2-E	03/12/09 13:45	Aqueous	ICP 5300	03/13/09	03/14/09 14:17	090313LA6F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	0.380	0.100	1	
Chromium	ND	0.00500	1		Manganese	0.459	0.00500	1	
Nickel	0.00511	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10	09-03-1216-3-E	03/12/09 13:10	Aqueous	ICP 5300	03/13/09	03/14/09 14:19	090313LA6F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	ND	0.100	1	
Chromium	0.0209	0.00500	1		Manganese	0.162	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-12	09-03-1216-4-D	03/12/09 13:10	Aqueous	ICP 5300	03/13/09	03/14/09 14:20	090313LA6F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	0.166	0.100	1	
Chromium	0.0113	0.00500	1		Manganese	0.0485	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	09-03-1216-5-D	03/12/09 13:45	Aqueous	ICP 5300	03/13/09	03/14/09 14:26	090313LA6F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	0.0121	0.0100	1		Iron	9.48	0.100	1	
Chromium	0.0104	0.00500	1		Manganese	3.93	0.00500	1	
Nickel	0.0334	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: 03/13/09
Work Order No: 09-03-1216
Preparation: EPA 3005A Filt.
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-14R	09-03-1216-6-E	03/12/09 13:50	Aqueous	ICP 5300	03/13/09	03/14/09 14:28	090313LA6F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	ND	0.100	1	
Chromium	0.00889	0.00500	1		Manganese	0.146	0.00500	1	
Nickel	0.00592	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-17	09-03-1216-7-E	03/12/09 14:15	Aqueous	ICP 5300	03/13/09	03/14/09 14:29	090313LA6F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	0.556	0.100	1	
Chromium	ND	0.00500	1		Manganese	0.796	0.00500	1	
Nickel	0.0381	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-18	09-03-1216-8-E	03/12/09 14:20	Aqueous	ICP 5300	03/13/09	03/14/09 14:31	090313LA6F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	0.0106	0.0100	1		Iron	2.71	0.100	1	
Chromium	ND	0.00500	1		Manganese	3.26	0.00500	1	
Nickel	0.0319	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-19	09-03-1216-9-E	03/12/09 13:40	Aqueous	ICP 5300	03/13/09	03/14/09 14:33	090313LA6F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	ND	0.100	1	
Chromium	0.0411	0.00500	1		Manganese	0.138	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	09-03-1216-10-E	03/12/09 14:35	Aqueous	ICP 5300	03/13/09	03/14/09 14:34	090313LA6F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	ND	0.100	1	
Chromium	0.0345	0.00500	1		Manganese	0.636	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: 03/13/09
Work Order No: 09-03-1216
Preparation: EPA 3005A Filt.
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-21A	09-03-1216-11-D	03/12/09 14:35	Aqueous	ICP 5300	03/13/09	03/14/09 14:36	090313LA7F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	1.40	0.100	1	
Chromium	0.0688	0.00500	1		Manganese	6.07	0.00500	1	
Nickel	0.520	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21B	09-03-1216-12-D	03/12/09 14:01	Aqueous	ICP 5300	03/13/09	03/14/09 14:38	090313LA7F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	ND	0.100	1	
Chromium	0.0196	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	09-03-1216-13-D	03/12/09 14:45	Aqueous	ICP 5300	03/13/09	03/14/09 14:40	090313LA7F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	0.304	0.100	1	
Chromium	ND	0.00500	1		Manganese	6.92	0.00500	1	
Nickel	0.366	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22B	09-03-1216-14-E	03/12/09 13:30	Aqueous	ICP 5300	03/13/09	03/14/09 14:42	090313LA7F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	0.0153	0.0100	1		Iron	ND	0.100	1	
Chromium	0.551	0.00500	1		Manganese	17.9	0.00500	1	
Nickel	2.76	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-23	09-03-1216-15-D	03/12/09 14:10	Aqueous	ICP 5300	03/13/09	03/14/09 14:47	090313LA7F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	ND	0.100	1	
Chromium	0.00661	0.00500	1		Manganese	1.32	0.00500	1	
Nickel	0.0728	0.00500	1						

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	03/13/09
1680 Rogers Avenue	Work Order No:	09-03-1216
San Jose, CA 95112-1105	Preparation:	EPA 3005A Filt.
	Method:	EPA 6010B
	Units:	mg/L
Project: 461 8th Street , Oakland, CA		Page 4 of 8

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	097-01-003-9,232	N/A	Aqueous	ICP 5300	03/13/09	03/14/09 11:36	090313LA7F

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						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	097-01-003-9,233	N/A	Aqueous	ICP 5300	03/13/09	03/13/09 21:14	090313LA6F

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: 03/13/09
Work Order No: 09-03-1216
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	09-03-1216-1-E	03/12/09 13:25	Aqueous	ICP 5300	03/13/09	03/14/09 14:10	090313LA6

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	0.937	0.100	1	
Chromium	0.0323	0.00500	1		Manganese	0.323	0.00500	1	
Nickel	0.00795	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-9	09-03-1216-2-E	03/12/09 13:45	Aqueous	ICP 5300	03/13/09	03/14/09 14:49	090313LA6

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	2.18	0.100	1	
Chromium	0.0475	0.00500	1		Manganese	0.591	0.00500	1	
Nickel	0.00691	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10	09-03-1216-3-D	03/12/09 13:10	Aqueous	ICP 5300	03/13/09	03/14/09 14:50	090313LA6

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	1.42	0.100	1	
Chromium	0.0263	0.00500	1		Manganese	0.622	0.00500	1	
Nickel	0.00722	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-12	09-03-1216-4-E	03/12/09 13:10	Aqueous	ICP 5300	03/13/09	03/14/09 14:52	090313LA6

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	14.2	0.100	1	
Chromium	0.0417	0.00500	1		Manganese	0.485	0.00500	1	
Nickel	0.0372	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-13	09-03-1216-5-E	03/12/09 13:45	Aqueous	ICP 5300	03/13/09	03/14/09 14:54	090313LA6

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	3.60	0.100	1	
Chromium	ND	0.00500	1		Manganese	3.71	0.00500	1	
Nickel	0.0321	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: 03/13/09
Work Order No: 09-03-1216
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-14R	09-03-1216-6-D	03/12/09 13:50	Aqueous	ICP 5300	03/13/09	03/14/09 14:55	090313LA6

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	5.49	0.100	1	
Chromium	0.0338	0.00500	1		Manganese	0.269	0.00500	1	
Nickel	0.0139	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-17	09-03-1216-7-D	03/12/09 14:15	Aqueous	ICP 5300	03/13/09	03/14/09 14:57	090313LA6

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	4.87	0.100	1	
Chromium	0.0178	0.00500	1		Manganese	0.868	0.00500	1	
Nickel	0.0879	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-18	09-03-1216-8-D	03/12/09 14:20	Aqueous	ICP 5300	03/13/09	03/14/09 14:59	090313LA6

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	0.0554	0.0100	1		Iron	147	0.100	1	
Chromium	0.396	0.00500	1		Manganese	4.09	0.00500	1	
Nickel	0.448	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-19	09-03-1216-9-E	03/12/09 13:40	Aqueous	ICP 5300	03/13/09	03/14/09 15:01	090313LA6

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	3.10	0.100	1	
Chromium	0.0466	0.00500	1		Manganese	0.224	0.00500	1	
Nickel	0.00862	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20	09-03-1216-10-D	03/12/09 14:35	Aqueous	ICP 5300	03/13/09	03/14/09 15:02	090313LA6

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	5.53	0.100	1	
Chromium	0.0527	0.00500	1		Manganese	1.16	0.00500	1	
Nickel	0.0153	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: 03/13/09
Work Order No: 09-03-1216
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-21A	09-03-1216-11-E	03/12/09 14:35	Aqueous	ICP 5300	03/13/09	03/14/09 11:42	090313LA7

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	6.24	0.100	1	
Chromium	0.0645	0.00500	1		Manganese	5.29	0.00500	1	
Nickel	0.457	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21B	09-03-1216-12-E	03/12/09 14:01	Aqueous	ICP 5300	03/13/09	03/14/09 15:08	090313LA7

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	0.758	0.100	1	
Chromium	0.0208	0.00500	1		Manganese	0.0211	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	09-03-1216-13-E	03/12/09 14:45	Aqueous	ICP 5300	03/13/09	03/14/09 15:09	090313LA7

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	0.143	0.0100	1		Iron	319	0.100	1	
Chromium	0.997	0.00500	1		Manganese	8.43	0.00500	1	
Nickel	0.760	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22B	09-03-1216-14-D	03/12/09 13:30	Aqueous	ICP 5300	03/13/09	03/14/09 15:11	090313LA7

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	0.0170	0.0100	1		Iron	0.227	0.100	1	
Chromium	0.522	0.00500	1		Manganese	16.5	0.00500	1	
Nickel	2.52	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-23	09-03-1216-15-E	03/12/09 14:10	Aqueous	ICP 5300	03/13/09	03/14/09 15:13	090313LA7

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Iron	2.77	0.100	1	
Chromium	0.0149	0.00500	1		Manganese	1.35	0.00500	1	
Nickel	0.0733	0.00500	1						

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	03/13/09
1680 Rogers Avenue	Work Order No:	09-03-1216
San Jose, CA 95112-1105	Preparation:	EPA 3010A Total
	Method:	EPA 6010B
	Units:	mg/L
Project: 461 8th Street , Oakland, CA		Page 8 of 8

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	097-01-003-9,230	N/A	Aqueous	ICP 5300	03/13/09	03/13/09 21:14	090313LA6

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						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	097-01-003-9,231	N/A	Aqueous	ICP 5300	03/13/09	03/14/09 11:34	090313LA7

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: 03/13/09
Work Order No: 09-03-1216
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	09-03-1216-1-A	03/12/09 13:25	Aqueous	GC/MS RR	03/22/09	03/23/09 02:02	090322L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	1700	10	20		Xylenes (total)	2400	20	20	
Ethylbenzene	200	1.0	1		TPPH	12000	1000	20	
Toluene	2100	20	20						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	99	74-140			1,2-Dichloroethane-d4	103	74-146		
Toluene-d8	100	88-112			Toluene-d8-TPPH	94	88-112		
1,4-Bromofluorobenzene	100	74-110							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-9	09-03-1216-2-A	03/12/09 13:45	Aqueous	GC/MS RR	03/22/09	03/23/09 05:43	090322L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	200	1.0	2		Xylenes (total)	110	2.0	2	
Ethylbenzene	50	2.0	2		TPPH	810	100	2	
Toluene	30	2.0	2						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	102	74-140			1,2-Dichloroethane-d4	103	74-146		
Toluene-d8	96	88-112			Toluene-d8-TPPH	90	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-10	09-03-1216-3-A	03/12/09 13:10	Aqueous	GC/MS RR	03/22/09	03/23/09 06:07	090322L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	4.9	1.0	1		TPPH	53	50	1	
Toluene	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	102	74-140			1,2-Dichloroethane-d4	103	74-146		
Toluene-d8	101	88-112			Toluene-d8-TPPH	94	88-112		
1,4-Bromofluorobenzene	91	74-110							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	03/13/09
1680 Rogers Avenue	Work Order No:	09-03-1216
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 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-12	09-03-1216-4-A	03/12/09 13:10	Aqueous	GC/MS RR	03/22/09	03/23/09 06:32	090322L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	4.8	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	1.5	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	105	74-146		
Toluene-d8	98	88-112			Toluene-d8-TPPH	92	88-112		
1,4-Bromofluorobenzene	90	74-110							

S-13	09-03-1216-5-A	03/12/09 13:45	Aqueous	GC/MS RR	03/22/09	03/23/09 06:56	090322L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	1700	5.0	10		Xylenes (total)	2400	10	10	
Ethylbenzene	190	10	10		TPPH	14000	500	10	
Toluene	2300	20	20						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	105	74-140			1,2-Dichloroethane-d4	108	74-146		
Toluene-d8	98	88-112			Toluene-d8-TPPH	91	88-112		
1,4-Bromofluorobenzene	99	74-110							

S-14R	09-03-1216-6-A	03/12/09 13:50	Aqueous	GC/MS RR	03/22/09	03/23/09 07:20	090322L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	22	0.50	1		Xylenes (total)	29	1.0	1	
Ethylbenzene	3.3	1.0	1		TPPH	350	50	1	
Toluene	18	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	104	74-140			1,2-Dichloroethane-d4	105	74-146		
Toluene-d8	101	88-112			Toluene-d8-TPPH	94	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:	03/13/09
1680 Rogers Avenue	Work Order No:	09-03-1216
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-17	09-03-1216-7-A	03/12/09 14:15	Aqueous	GC/MS RR	03/22/09	03/23/09 07:44	090322L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	640	5.0	10		Xylenes (total)	290	10	10	
Ethylbenzene	81	10	10		TPPH	3300	500	10	
Toluene	370	10	10						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	102	74-140			1,2-Dichloroethane-d4	104	74-146		
Toluene-d8	99	88-112			Toluene-d8-TPPH	93	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	09-03-1216-8-A	03/12/09 14:20	Aqueous	GC/MS RR	03/22/09	03/23/09 08:09	090322L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	5300	50	100		Xylenes (total)	10000	100	100	
Ethylbenzene	1600	10	10		TPPH	52000	5000	100	
Toluene	9000	100	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	99	74-140			1,2-Dichloroethane-d4	102	74-146		
Toluene-d8	102	88-112			Toluene-d8-TPPH	95	88-112		
1,4-Bromofluorobenzene	101	74-110							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-19	09-03-1216-9-B	03/12/09 13:40	Aqueous	GC/MS RR	03/24/09	03/24/09 21:30	090324L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	110	0.50	1		Xylenes (total)	160	1.0	1	
Ethylbenzene	30	1.0	1		TPPH	880	50	1	
Toluene	150	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	101	74-140			1,2-Dichloroethane-d4	101	74-146		
Toluene-d8	98	88-112			Toluene-d8-TPPH	91	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.	Date Received:	03/13/09
1680 Rogers Avenue	Work Order No:	09-03-1216
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 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20	09-03-1216-10-B	03/12/09 14:35	Aqueous	GC/MS RR	03/24/09	03/24/09 21:55	090324L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2700	12	25		Xylenes (total)	3100	25	25	
Ethylbenzene	390	25	25		TPPH	19000	1200	25	
Toluene	3200	25	25						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	101	74-140			1,2-Dichloroethane-d4	99	74-146		
Toluene-d8	98	88-112			Toluene-d8-TPPH	91	88-112		
1,4-Bromofluorobenzene	96	74-110							

S-21A	09-03-1216-11-A	03/12/09 14:35	Aqueous	GC/MS R	03/23/09	03/23/09 18:21	090323L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2600	12	25		Xylenes (total)	3700	25	25	
Ethylbenzene	810	25	25		TPPH	31000	1200	25	
Toluene	3800	25	25						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	96	74-140			1,2-Dichloroethane-d4	98	74-146		
Toluene-d8	95	88-112			Toluene-d8-TPPH	101	88-112		
1,4-Bromofluorobenzene	97	74-110							

S-21B	09-03-1216-12-A	03/12/09 14:01	Aqueous	GC/MS R	03/23/09	03/23/09 18:50	090323L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	9.4	2.5	5		Xylenes (total)	320	5.0	5	
Ethylbenzene	50	5.0	5		TPPH	2300	250	5	
Toluene	72	5.0	5						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	104	74-140			1,2-Dichloroethane-d4	101	74-146		
Toluene-d8	98	88-112			Toluene-d8-TPPH	104	88-112		
1,4-Bromofluorobenzene	95	74-110							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	03/13/09
1680 Rogers Avenue	Work Order No:	09-03-1216
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	ug/L
Project: 461 8th Street , Oakland, CA		Page 5 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22A	09-03-1216-13-A	03/12/09 14:45	Aqueous	GC/MS R	03/23/09	03/23/09 19:19	090323L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	4600	25	50		Xylenes (total)	4600	50	50	
Ethylbenzene	980	50	50		TPPH	35000	2500	50	
Toluene	4600	50	50						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	99	74-140			1,2-Dichloroethane-d4	101	74-146		
Toluene-d8	97	88-112			Toluene-d8-TPPH	102	88-112		
1,4-Bromofluorobenzene	97	74-110							

S-22B	09-03-1216-14-A	03/12/09 13:30	Aqueous	GC/MS R	03/23/09	03/23/09 19:48	090323L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	4.4	0.50	1		Xylenes (total)	12	1.0	1	
Ethylbenzene	3.8	1.0	1		TPPH	390	50	1	
Toluene	4.6	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	97	74-140			1,2-Dichloroethane-d4	101	74-146		
Toluene-d8	97	88-112			Toluene-d8-TPPH	102	88-112		
1,4-Bromofluorobenzene	90	74-110							

S-23	09-03-1216-15-A	03/12/09 14:10	Aqueous	GC/MS R	03/23/09	03/23/09 20:17	090323L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	210	2.5	5		Xylenes (total)	610	5.0	5	
Ethylbenzene	71	5.0	5		TPPH	4600	250	5	
Toluene	460	5.0	5						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	102	74-140			1,2-Dichloroethane-d4	102	74-146		
Toluene-d8	96	88-112			Toluene-d8-TPPH	102	88-112		
1,4-Bromofluorobenzene	95	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: 03/13/09
Work Order No: 09-03-1216
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	099-12-767-1,382	N/A	Aqueous	GC/MS R	03/23/09	03/23/09 13:58	090323L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	99	74-140		1,2-Dichloroethane-d4	96	74-146	
Toluene-d8	96	88-112		Toluene-d8-TPPH	102	88-112	
1,4-Bromofluorobenzene	87	74-110					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-767-1,393	N/A	Aqueous	GC/MS RR	03/22/09	03/23/09 01:37	090322L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	74-140		1,2-Dichloroethane-d4	101	74-146	
Toluene-d8	97	88-112		Toluene-d8-TPPH	90	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
Method Blank	099-12-767-1,395	N/A	Aqueous	GC/MS RR	03/24/09	03/24/09 15:14	090324L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	102	74-140		1,2-Dichloroethane-d4	101	74-146	
Toluene-d8	98	88-112		Toluene-d8-TPPH	91	88-112	
1,4-Bromofluorobenzene	91	74-110					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	03/13/09
1680 Rogers Avenue	Work Order No:	09-03-1216
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	099-12-767-1,402	N/A	Aqueous	GC/MS RR	03/25/09	03/25/09 14:27	090325L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	103	74-140		1,2-Dichloroethane-d4	107	74-146	
Toluene-d8	98	88-112		Toluene-d8-TPPH	91	88-112	
1,4-Bromofluorobenzene	91	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: 03/13/09
Work Order No: 09-03-1216

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-8	09-03-1216-1	03/12/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	22	1.0	1		mg/L	N/A	03/13/09	EPA 300.0
Bromide	0.12	0.10	1		mg/L	N/A	03/13/09	EPA 300.0
Nitrate (as N)	2.9	0.10	1		mg/L	N/A	03/13/09	EPA 300.0
Sulfate	20	1.0	1		mg/L	N/A	03/13/09	EPA 300.0
Chromium, Hexavalent	15	1.0	1		ug/L	N/A	03/13/09	EPA 7199
Solids, Total Suspended	46	1.0	1		mg/L	03/16/09	03/16/09	SM 2540 D
Iron (II)	ND	0.10	1		mg/L	03/13/09	03/13/09	SM3500-FeB

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-9	09-03-1216-2	03/12/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	170	2.0	2		mg/L	N/A	03/13/09	EPA 300.0
Bromide	0.76	0.10	1		mg/L	N/A	03/13/09	EPA 300.0
Nitrate (as N)	4.7	0.10	1		mg/L	N/A	03/13/09	EPA 300.0
Sulfate	47	1.0	1		mg/L	N/A	03/13/09	EPA 300.0
Chromium, Hexavalent	ND	1.0	1		ug/L	N/A	03/13/09	EPA 7199
Solids, Total Suspended	21	1.0	1		mg/L	03/16/09	03/16/09	SM 2540 D
Iron (II)	0.14	0.10	1		mg/L	03/13/09	03/13/09	SM3500-FeB

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-10	09-03-1216-3	03/12/09	Aqueous

Comment(s): (69) Dilution analysis was performed outside the recommended holding time.

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	72	1.0	1		mg/L	N/A	03/13/09	EPA 300.0
Bromide	0.40	0.10	1		mg/L	N/A	03/13/09	EPA 300.0
Nitrate (as N) (69)	12	0.20	2		mg/L	N/A	03/13/09	EPA 300.0
Sulfate	130	2.0	2		mg/L	N/A	03/13/09	EPA 300.0
Chromium, Hexavalent	14	1.0	1		ug/L	N/A	03/13/09	EPA 7199
Solids, Total Suspended	44	1.0	1		mg/L	03/16/09	03/16/09	SM 2540 D
Iron (II)	ND	0.10	1		mg/L	03/13/09	03/13/09	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: 03/13/09
Work Order No: 09-03-1216

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-12	09-03-1216-4	03/12/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	14	1.0	1		mg/L	N/A	03/13/09	EPA 300.0
Bromide	0.10	0.10	1		mg/L	N/A	03/13/09	EPA 300.0
Nitrate (as N)	1.4	0.10	1		mg/L	N/A	03/13/09	EPA 300.0
Sulfate	18	1.0	1		mg/L	N/A	03/13/09	EPA 300.0
Chromium, Hexavalent	8.9	1.0	1		ug/L	N/A	03/13/09	EPA 7199
Solids, Total Suspended	321	1.0	1		mg/L	03/16/09	03/16/09	SM 2540 D
Iron (II)	ND	0.10	1		mg/L	03/13/09	03/13/09	SM3500-FeB

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-13	09-03-1216-5	03/12/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	28	2.0	2		mg/L	N/A	03/13/09	EPA 300.0
Bromide	0.20	0.20	2		mg/L	N/A	03/13/09	EPA 300.0
Nitrate (as N)	1.1	0.20	2		mg/L	N/A	03/13/09	EPA 300.0
Sulfate	2100	50	50		mg/L	N/A	03/13/09	EPA 300.0
Chromium, Hexavalent	ND	1.0	1		ug/L	N/A	03/13/09	EPA 7199
Solids, Total Suspended	105	1.0	1		mg/L	03/16/09	03/16/09	SM 2540 D
Iron (II)	2.7	0.10	1		mg/L	03/13/09	03/13/09	SM3500-FeB

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-14R	09-03-1216-6	03/12/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	28	1.0	1		mg/L	N/A	03/13/09	EPA 300.0
Bromide	0.15	0.10	1		mg/L	N/A	03/13/09	EPA 300.0
Nitrate (as N)	2.6	0.10	1		mg/L	N/A	03/13/09	EPA 300.0
Sulfate	85	1.0	1		mg/L	N/A	03/13/09	EPA 300.0
Chromium, Hexavalent	5.6	1.0	1		ug/L	N/A	03/13/09	EPA 7199
Solids, Total Suspended	78	1.0	1		mg/L	03/16/09	03/16/09	SM 2540 D
Iron (II)	ND	0.10	1		mg/L	03/13/09	03/13/09	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: 03/13/09
Work Order No: 09-03-1216

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-17	09-03-1216-7	03/12/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	13	1.0	1		mg/L	N/A	03/13/09	EPA 300.0
Bromide	ND	0.10	1		mg/L	N/A	03/13/09	EPA 300.0
Nitrate (as N)	0.82	0.10	1		mg/L	N/A	03/13/09	EPA 300.0
Sulfate	290	5.0	5		mg/L	N/A	03/13/09	EPA 300.0
Chromium, Hexavalent	ND	1.0	1		ug/L	N/A	03/13/09	EPA 7199
Solids, Total Suspended	2760	10	1		mg/L	03/16/09	03/16/09	SM 2540 D
Iron (II)	ND	0.10	1		mg/L	03/13/09	03/13/09	SM3500-FeB

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-18	09-03-1216-8	03/12/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	31	1.0	1		mg/L	N/A	03/13/09	EPA 300.0
Bromide	0.22	0.10	1		mg/L	N/A	03/13/09	EPA 300.0
Nitrate (as N)	0.32	0.10	1		mg/L	N/A	03/13/09	EPA 300.0
Sulfate	1800	50	50		mg/L	N/A	03/13/09	EPA 300.0
Chromium, Hexavalent	ND	1.0	1		ug/L	N/A	03/13/09	EPA 7199
Solids, Total Suspended	1130	10	1		mg/L	03/16/09	03/16/09	SM 2540 D
Iron (II)	ND	0.10	1		mg/L	03/13/09	03/13/09	SM3500-FeB

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-19	09-03-1216-9	03/12/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	28	1.0	1		mg/L	N/A	03/13/09	EPA 300.0
Bromide	0.13	0.10	1		mg/L	N/A	03/13/09	EPA 300.0
Nitrate (as N)	2.0	0.10	1		mg/L	N/A	03/13/09	EPA 300.0
Sulfate	300	5.0	5		mg/L	N/A	03/13/09	EPA 300.0
Chromium, Hexavalent	34	1.0	1		ug/L	N/A	03/13/09	EPA 7199
Solids, Total Suspended	252	1.0	1		mg/L	03/16/09	03/16/09	SM 2540 D
Iron (II)	ND	0.10	1		mg/L	03/13/09	03/13/09	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: 03/13/09
Work Order No: 09-03-1216

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-20	09-03-1216-10	03/12/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	36	1.0	1		mg/L	N/A	03/13/09	EPA 300.0
Bromide	0.44	0.10	1		mg/L	N/A	03/13/09	EPA 300.0
Nitrate (as N)	2.0	0.10	1		mg/L	N/A	03/13/09	EPA 300.0
Sulfate	720	20	20		mg/L	N/A	03/13/09	EPA 300.0
Chromium, Hexavalent	21	1.0	1		ug/L	N/A	03/13/09	EPA 7199
Solids, Total Suspended	30	1.0	1		mg/L	03/16/09	03/16/09	SM 2540 D
Iron (II)	ND	0.10	1		mg/L	03/13/09	03/13/09	SM3500-FeB

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-21A	09-03-1216-11	03/12/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	61	1.0	1		mg/L	N/A	03/13/09	EPA 300.0
Bromide	0.66	0.10	1		mg/L	N/A	03/13/09	EPA 300.0
Nitrate (as N)	1.3	0.10	1		mg/L	N/A	03/13/09	EPA 300.0
Sulfate	1100	20	20		mg/L	N/A	03/13/09	EPA 300.0
Chromium, Hexavalent	ND	1.0	1		ug/L	N/A	03/13/09	EPA 7199
Solids, Total Suspended	501	1.0	1		mg/L	03/16/09	03/16/09	SM 2540 D
Iron (II)	0.11	0.10	1		mg/L	03/13/09	03/13/09	SM3500-FeB

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-21B	09-03-1216-12	03/12/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	29	1.0	1		mg/L	N/A	03/13/09	EPA 300.0
Bromide	0.10	0.10	1		mg/L	N/A	03/13/09	EPA 300.0
Nitrate (as N)	3.7	0.10	1		mg/L	N/A	03/13/09	EPA 300.0
Sulfate	44	1.0	1		mg/L	N/A	03/13/09	EPA 300.0
Chromium, Hexavalent	16	1.0	1		ug/L	N/A	03/13/09	EPA 7199
Solids, Total Suspended	25	1.0	1		mg/L	03/16/09	03/16/09	SM 2540 D
Iron (II)	ND	0.10	1		mg/L	03/13/09	03/13/09	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: 03/13/09
Work Order No: 09-03-1216

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-22A	09-03-1216-13	03/12/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	61	1.0	1		mg/L	N/A	03/13/09	EPA 300.0
Bromide	1.2	0.10	1		mg/L	N/A	03/13/09	EPA 300.0
Nitrate (as N)	0.13	0.10	1		mg/L	N/A	03/13/09	EPA 300.0
Sulfate	850	20	20		mg/L	N/A	03/13/09	EPA 300.0
Chromium, Hexavalent	ND	1.0	1		ug/L	N/A	03/13/09	EPA 7199
Solids, Total Suspended	1570	10	1		mg/L	03/16/09	03/16/09	SM 2540 D
Iron (II)	ND	0.10	1		mg/L	03/13/09	03/13/09	SM3500-FeB

S-22B	09-03-1216-14	03/12/09	Aqueous

Comment(s): (3) The reporting limit is elevated resulting from matrix interference.

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride (3)	24	5.0	5		mg/L	N/A	03/14/09	EPA 300.0
Bromide (3)	ND	0.50	5		mg/L	N/A	03/14/09	EPA 300.0
Nitrate (as N) (3)	1.1	0.50	5		mg/L	N/A	03/14/09	EPA 300.0
Sulfate	11000	200	200		mg/L	N/A	03/14/09	EPA 300.0
Chromium, Hexavalent	560	10	10		ug/L	N/A	03/13/09	EPA 7199
Solids, Total Suspended	34	1.0	1		mg/L	03/16/09	03/16/09	SM 2540 D
Iron (II)	ND	0.10	1		mg/L	03/13/09	03/13/09	SM3500-FeB

S-23	09-03-1216-15	03/12/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	16	1.0	1		mg/L	N/A	03/14/09	EPA 300.0
Bromide	0.31	0.10	1		mg/L	N/A	03/14/09	EPA 300.0
Nitrate (as N)	0.93	0.10	1		mg/L	N/A	03/14/09	EPA 300.0
Sulfate	200	5.0	5		mg/L	N/A	03/14/09	EPA 300.0
Chromium, Hexavalent	4.6	1.0	1		ug/L	N/A	03/13/09	EPA 7199
Solids, Total Suspended	79	1.0	1		mg/L	03/16/09	03/16/09	SM 2540 D
Iron (II)	ND	0.10	1		mg/L	03/13/09	03/13/09	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: 03/13/09
Work Order No: 09-03-1216

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix
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	03/13/09	EPA 300.0
Bromide	ND	0.10	1		mg/L	N/A	03/13/09	EPA 300.0
Nitrate (as N)	ND	0.10	1		mg/L	N/A	03/13/09	EPA 300.0
Sulfate	ND	1.0	1		mg/L	N/A	03/13/09	EPA 300.0
Chloride	ND	1.0	1		mg/L	N/A	03/13/09	EPA 300.0
Bromide	ND	0.10	1		mg/L	N/A	03/13/09	EPA 300.0
Nitrate (as N)	ND	0.10	1		mg/L	N/A	03/13/09	EPA 300.0
Sulfate	ND	1.0	1		mg/L	N/A	03/13/09	EPA 300.0
Chromium, Hexavalent	ND	1.0	1		ug/L	N/A	03/13/09	EPA 7199
Solids, Total Suspended	ND	1.0	1		mg/L	03/16/09	03/16/09	SM 2540 D
Iron (II)	ND	0.10	1		mg/L	03/13/09	03/13/09	SM3500-FeB

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

Calscience Environmental Laboratories, Inc.

Analytical Report

LABORATORY ID: 09-03-1216

Method: EPA 6010B/SM 3500-FeD (Calculation)
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	Reporting Limit	Date Extracted	Date Analyzed
S-8	0.937	1	0.10	03/13/09	03/14/09
S-9	2.04	1	0.10	03/13/09	03/14/09
S-10	1.42	1	0.10	03/13/09	03/14/09
S-12	14.2	1	0.10	03/13/09	03/14/09
S-13	0.910	1	0.10	03/13/09	03/14/09
S-14R	5.49	1	0.10	03/13/09	03/14/09
S-17	4.87	1	0.10	03/13/09	03/14/09
S-18	147	1	0.10	03/13/09	03/14/09
S-19	3.10	1	0.10	03/13/09	03/14/09
S-20	5.53	1	0.10	03/13/09	03/14/09
S-21A	6.13	1	0.10	03/13/09	03/14/09
S-21B	0.758	1	0.10	03/13/09	03/14/09
S-22A	319	1	0.10	03/13/09	03/14/09
S-22B	0.227	1	0.10	03/13/09	03/14/09
S-23	2.77	1	0.10	03/13/09	03/14/09

Reporting Limit: 0.10

Laboratory Notes

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 03/13/09
Work Order No: 09-03-1216
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
S-8	Aqueous	ICP 5300	03/13/09	03/14/09	090313SA6

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	100	102	80-140	1	0-11	
Chromium	98	101	86-122	2	0-8	
Nickel	102	103	84-120	1	0-7	
Iron	87	102	65-149	5	0-21	
Manganese	102	104	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: 03/13/09
Work Order No: 09-03-1216
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
S-21A	Aqueous	ICP 5300	03/13/09	03/14/09	090313SA7

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	106	107	80-140	1	0-11	
Chromium	96	99	86-122	2	0-8	
Nickel	104	108	84-120	2	0-7	
Iron	4X	4X	65-149	4X	0-21	Q,Q
Manganese	4X	4X	86-116	4X	0-7	Q,Q

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: 03/13/09
Work Order No: 09-03-1216
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	Aqueous	GC/MS RR	03/22/09	03/23/09	090322S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	0	0	88-118	0	0-7	3
Carbon Tetrachloride	84	84	67-145	0	0-11	
Chlorobenzene	85	86	88-118	1	0-7	3
1,2-Dibromoethane	95	92	70-130	2	0-30	
1,2-Dichlorobenzene	87	88	86-116	1	0-8	
1,1-Dichloroethene	85	82	70-130	3	0-25	
Ethylbenzene	21	43	70-130	5	0-30	3
Toluene	0	0	87-123	0	0-8	3
Trichloroethene	84	84	79-127	0	0-10	
Vinyl Chloride	84	83	69-129	1	0-13	
Methyl-t-Butyl Ether (MTBE)	97	94	71-131	3	0-13	
Tert-Butyl Alcohol (TBA)	77	70	36-168	7	0-45	
Diisopropyl Ether (DIPE)	93	90	81-123	4	0-9	
Ethyl-t-Butyl Ether (ETBE)	99	97	72-126	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	100	97	72-126	3	0-12	
Ethanol	78	70	53-149	12	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: 03/13/09
Work Order No: 09-03-1216
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
09-03-1211-1	Aqueous	GC/MS R	03/23/09	03/23/09	090323S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100	103	88-118	3	0-7	
Carbon Tetrachloride	93	98	67-145	5	0-11	
Chlorobenzene	95	100	88-118	5	0-7	
1,2-Dibromoethane	97	99	70-130	3	0-30	
1,2-Dichlorobenzene	99	105	86-116	6	0-8	
1,1-Dichloroethene	97	102	70-130	5	0-25	
Ethylbenzene	101	106	70-130	4	0-30	
Toluene	98	100	87-123	1	0-8	
Trichloroethene	95	98	79-127	3	0-10	
Vinyl Chloride	90	112	69-129	21	0-13	4
Methyl-t-Butyl Ether (MTBE)	85	101	71-131	18	0-13	4
Tert-Butyl Alcohol (TBA)	92	97	36-168	6	0-45	
Diisopropyl Ether (DIPE)	87	107	81-123	21	0-9	4
Ethyl-t-Butyl Ether (ETBE)	107	111	72-126	4	0-12	
Tert-Amyl-Methyl Ether (TAME)	103	108	72-126	4	0-12	
Ethanol	90	94	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.		Date Received:	03/13/09
1680 Rogers Avenue		Work Order No:	09-03-1216
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
09-03-1236-2	Aqueous	GC/MS RR	03/24/09	03/24/09	090324S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	93	93	88-118	0	0-7	
Carbon Tetrachloride	95	95	67-145	0	0-11	
Chlorobenzene	92	92	88-118	0	0-7	
1,2-Dibromoethane	95	94	70-130	1	0-30	
1,2-Dichlorobenzene	92	92	86-116	0	0-8	
1,1-Dichloroethene	90	88	70-130	2	0-25	
Ethylbenzene	97	96	70-130	1	0-30	
Toluene	94	93	87-123	1	0-8	
Trichloroethene	91	92	79-127	1	0-10	
Vinyl Chloride	94	95	69-129	0	0-13	
Methyl-t-Butyl Ether (MTBE)	94	93	71-131	0	0-13	
Tert-Butyl Alcohol (TBA)	93	90	36-168	3	0-45	
Diisopropyl Ether (DIPE)	94	93	81-123	1	0-9	
Ethyl-t-Butyl Ether (ETBE)	95	94	72-126	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	95	96	72-126	1	0-12	
Ethanol	95	83	53-149	13	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc.		Date Received:	03/13/09
1680 Rogers Avenue		Work Order No:	09-03-1216
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
09-03-1659-1	Aqueous	GC/MS RR	03/25/09	03/25/09	090325S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	93	93	88-118	0	0-7	
Carbon Tetrachloride	93	94	67-145	1	0-11	
Chlorobenzene	90	89	88-118	1	0-7	
1,2-Dibromoethane	90	90	70-130	0	0-30	
1,2-Dichlorobenzene	89	89	86-116	0	0-8	
1,1-Dichloroethene	91	90	70-130	1	0-25	
Ethylbenzene	97	97	70-130	1	0-30	
Toluene	94	94	87-123	0	0-8	
Trichloroethene	88	89	79-127	1	0-10	
Vinyl Chloride	95	95	69-129	1	0-13	
Methyl-t-Butyl Ether (MTBE)	96	97	71-131	2	0-13	
Tert-Butyl Alcohol (TBA)	90	90	36-168	0	0-45	
Diisopropyl Ether (DIPE)	102	102	81-123	0	0-9	
Ethyl-t-Butyl Ether (ETBE)	102	103	72-126	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	96	97	72-126	1	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.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: N/A
Work Order No: 09-03-1216

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
Chromium, Hexavalent	EPA 7199	S-10	03/13/09	N/A	87	89	70-130	2	0-25	
Chloride	EPA 300.0	09-03-1179-1	03/13/09	N/A	108	108	80-120	0	0-20	
Bromide	EPA 300.0	09-03-1179-1	03/13/09	N/A	106	106	80-120	1	0-20	
Nitrate (as N)	EPA 300.0	09-03-1179-1	03/13/09	N/A	107	107	80-120	0	0-20	
Sulfate	EPA 300.0	09-03-1179-1	03/13/09	N/A	106	106	80-120	0	0-20	
Chloride	EPA 300.0	S-23	03/14/09	N/A	105	105	80-120	0	0-20	
Bromide	EPA 300.0	S-23	03/14/09	N/A	103	103	80-120	0	0-20	
Nitrate (as N)	EPA 300.0	S-23	03/14/09	N/A	104	104	80-120	0	0-20	
Sulfate	EPA 300.0	S-23	03/14/09	N/A	105	105	80-120	0	0-20	
Iron (II)	SM3500-FeB	S-23	03/13/09	3/13/09	96	96	70-130	0	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

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

Date Received: N/A
Work Order No: 09-03-1216

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	S-12	03/16/09	321	322	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:	09-03-1216
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
097-01-003-9,230	Aqueous	ICP 5300	03/13/09	03/13/09	090313LA6

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	102	102	80-120	0	0-20	
Chromium	101	103	80-120	1	0-20	
Nickel	109	110	80-120	1	0-20	
Iron	107	106	80-120	1	0-20	
Manganese	105	106	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.		Date Received:	N/A
1680 Rogers Avenue		Work Order No:	09-03-1216
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
097-01-003-9,233	Aqueous	ICP 5300	03/13/09	03/13/09	090313LA6F

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	102	102	80-120	0	0-20	
Chromium	101	103	80-120	1	0-20	
Nickel	109	110	80-120	1	0-20	
Iron	107	106	80-120	1	0-20	
Manganese	105	106	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.		Date Received:	N/A
1680 Rogers Avenue		Work Order No:	09-03-1216
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
097-01-003-9,231	Aqueous	ICP 5300	03/13/09	03/14/09	090313LA7

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	102	103	80-120	2	0-20	
Chromium	101	102	80-120	1	0-20	
Nickel	109	110	80-120	1	0-20	
Iron	105	105	80-120	0	0-20	
Manganese	103	104	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.		Date Received:	N/A
1680 Rogers Avenue		Work Order No:	09-03-1216
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
097-01-003-9,232	Aqueous	ICP 5300	03/13/09	03/14/09	090313LA7F

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	102	103	80-120	2	0-20	
Chromium	101	102	80-120	1	0-20	
Nickel	109	110	80-120	1	0-20	
Iron	105	105	80-120	0	0-20	
Manganese	103	104	80-120	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

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

Date Received: N/A
Work Order No: 09-03-1216
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
099-12-767-1,393	Aqueous	GC/MS RR	03/22/09	03/22/09	090322L02

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	95	94	84-120	78-126	1	0-8	
Carbon Tetrachloride	96	95	63-147	49-161	2	0-10	
Chlorobenzene	92	92	89-119	84-124	0	0-7	
1,2-Dibromoethane	97	97	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	89	90	89-119	84-124	1	0-9	
1,1-Dichloroethene	95	92	77-125	69-133	3	0-16	
Ethylbenzene	96	96	80-120	73-127	0	0-20	
Toluene	94	93	83-125	76-132	1	0-9	
Trichloroethene	97	95	89-119	84-124	2	0-8	
Vinyl Chloride	97	97	63-135	51-147	0	0-13	
Methyl-t-Butyl Ether (MTBE)	99	99	82-118	76-124	0	0-13	
Tert-Butyl Alcohol (TBA)	80	90	46-154	28-172	12	0-32	
Diisopropyl Ether (DIPE)	102	101	81-123	74-130	2	0-11	
Ethyl-t-Butyl Ether (ETBE)	101	101	74-122	66-130	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	100	99	76-124	68-132	1	0-10	
Ethanol	86	90	60-138	47-151	4	0-32	
TPPH	84	84	65-135	53-147	0	0-30	

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

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 09-03-1216
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
099-12-767-1,382	Aqueous	GC/MS R	03/23/09	03/23/09	090323L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	108	99	84-120	78-126	8	0-8	
Carbon Tetrachloride	101	93	63-147	49-161	8	0-10	
Chlorobenzene	102	99	89-119	84-124	3	0-7	
1,2-Dibromoethane	102	98	80-120	73-127	4	0-20	
1,2-Dichlorobenzene	108	103	89-119	84-124	5	0-9	
1,1-Dichloroethene	104	95	77-125	69-133	9	0-16	
Ethylbenzene	110	106	80-120	73-127	3	0-20	
Toluene	104	97	83-125	76-132	7	0-9	
Trichloroethene	106	95	89-119	84-124	11	0-8	X
Vinyl Chloride	104	104	63-135	51-147	0	0-13	
Methyl-t-Butyl Ether (MTBE)	104	96	82-118	76-124	8	0-13	
Tert-Butyl Alcohol (TBA)	101	96	46-154	28-172	5	0-32	
Diisopropyl Ether (DIPE)	94	86	81-123	74-130	9	0-11	
Ethyl-t-Butyl Ether (ETBE)	115	106	74-122	66-130	8	0-12	
Tert-Amyl-Methyl Ether (TAME)	112	101	76-124	68-132	11	0-10	X
Ethanol	101	95	60-138	47-151	6	0-32	
TPPH	96	97	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: 09-03-1216
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
099-12-767-1,395	Aqueous	GC/MS RR	03/24/09	03/24/09	090324L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	93	92	84-120	78-126	1	0-8	
Carbon Tetrachloride	96	95	63-147	49-161	1	0-10	
Chlorobenzene	91	90	89-119	84-124	1	0-7	
1,2-Dibromoethane	95	96	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	91	91	89-119	84-124	1	0-9	
1,1-Dichloroethene	89	89	77-125	69-133	0	0-16	
Ethylbenzene	97	95	80-120	73-127	2	0-20	
Toluene	95	92	83-125	76-132	3	0-9	
Trichloroethene	94	91	89-119	84-124	3	0-8	
Vinyl Chloride	93	94	63-135	51-147	2	0-13	
Methyl-t-Butyl Ether (MTBE)	94	96	82-118	76-124	2	0-13	
Tert-Butyl Alcohol (TBA)	87	83	46-154	28-172	5	0-32	
Diisopropyl Ether (DIPE)	95	94	81-123	74-130	1	0-11	
Ethyl-t-Butyl Ether (ETBE)	96	96	74-122	66-130	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	98	97	76-124	68-132	0	0-10	
Ethanol	86	81	60-138	47-151	6	0-32	
TPPH	83	83	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: 09-03-1216
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
099-12-767-1,402	Aqueous	GC/MS RR	03/25/09	03/25/09	090325L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	95	95	84-120	78-126	0	0-8	
Carbon Tetrachloride	97	97	63-147	49-161	0	0-10	
Chlorobenzene	91	91	89-119	84-124	0	0-7	
1,2-Dibromoethane	94	93	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	91	91	89-119	84-124	1	0-9	
1,1-Dichloroethene	94	94	77-125	69-133	0	0-16	
Ethylbenzene	99	99	80-120	73-127	0	0-20	
Toluene	96	95	83-125	76-132	1	0-9	
Trichloroethene	92	91	89-119	84-124	1	0-8	
Vinyl Chloride	100	102	63-135	51-147	2	0-13	
Methyl-t-Butyl Ether (MTBE)	99	100	82-118	76-124	1	0-13	
Tert-Butyl Alcohol (TBA)	87	82	46-154	28-172	6	0-32	
Diisopropyl Ether (DIPE)	105	105	81-123	74-130	0	0-11	
Ethyl-t-Butyl Ether (ETBE)	104	105	74-122	66-130	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	99	100	76-124	68-132	1	0-10	
Ethanol	93	82	60-138	47-151	12	0-32	
TPPH	86	86	65-135	53-147	0	0-30	

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

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 09-03-1216

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
Chromium, Hexavalent	EPA 7199	099-05-123-2,297	N/A	03/13/09	103	100	80-120	2	0-20	
Chloride	EPA 300.0	099-12-906-51	N/A	03/13/09	105	105	90-110	1	0-15	
Bromide	EPA 300.0	099-12-906-51	N/A	03/13/09	103	104	90-110	1	0-15	
Nitrate (as N)	EPA 300.0	099-12-906-51	N/A	03/13/09	103	105	90-110	1	0-15	
Sulfate	EPA 300.0	099-12-906-51	N/A	03/13/09	103	104	90-110	1	0-15	
Chloride	EPA 300.0	099-12-906-50	N/A	03/13/09	106	105	90-110	1	0-15	
Bromide	EPA 300.0	099-12-906-50	N/A	03/13/09	104	103	90-110	1	0-15	
Nitrate (as N)	EPA 300.0	099-12-906-50	N/A	03/13/09	105	104	90-110	1	0-15	
Sulfate	EPA 300.0	099-12-906-50	N/A	03/13/09	104	104	90-110	1	0-15	

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: 09-03-1216

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	099-05-111-3,264	03/13/09	03/13/09	1.00	0.970	97	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 09-03-1216

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Shell Oil Products Chain Of Custody Record

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

Please Check Appropriate Box:
☑ ENV. SERVICES | ☐ MOTIVA RETAIL | ☐ SHELL RETAIL
☐ MOTIVA SD&CM | ☐ CONSULTANT | ☐ LUBES
☐ SHELL PIPELINE | ☐ OTHER _____

Print Bill To Contact Name: Denis Brown
INCIDENT # (ENV SERVICES): 97093399 ☐ CHECK IF NO INCIDENT # APPLIES
PO #: **SAP #:**
DATE: 3/12/09
PAGE: 1 of 2

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: BTS # 090312-JD1
PROJECT CONTACT (Hardcopy or PDF Report to): Michael Ninokata		SAMPLER NAME(S) (Print): J.O., J.P., C.M., A.R	LAB USE ONLY: 09-03-1216
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 :
Metals analyses to be run Total and Dissolved. One field filtered and one non field filtered HNO3 poly provided.
See attachment for methods and metals list
SHORT HOLDS

☐ 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	Total Suspended Solids	TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
1	S-8	3/12	1325	W	3	2		2		7	X	X				X	X	X	X	X	X	
2	S-9		1345								X	X				X	X	X	X	X	X	
3	S-10		1310								X	X				X	X	X	X	X	X	
4	S-12		1310								X	X				X	X	X	X	X	X	
5	S-13		1345								X	X				X	X	X	X	X	X	
6	S-14R		1350								X	X				X	X	X	X	X	X	
7	S-17		1415								X	X				X	X	X	X	X	X	
8	S-18		1420								X	X				X	X	X	V	X	X	
9	S-19		1340								X	X				X	X	X	X	X	X	
10	S-20	↓	1435	↓	↓	↓		↓		↓	X	X				X	X	X	X	X	X	

Relinquished by: (Signature)	Received by: (Signature)	Date: 3/12/09	Time: 1625
Relinquished by: (Signature)	Received by: (Signature)	Date: 3/13/09	Time: 1030
Relinquished by: (Signature) SIK 49204	Received by: (Signature)	Date:	Time:

05/2/06 Revision

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: 3/12/09
PAGE: 2 of 2

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: BTS # 040312-J01		
PROJECT CONTACT (Hardcopy or PDF Report to): Michael Ninokata		SAMPLER NAME(S) (Print): J.O, JP, CM, AR	LAB USE ONLY: 09-03-1216
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 :
Metals analyses to be run Total and Dissolved. One field filtered and one non field filtered HNO3 poly provided.
See attachment for methods and metals list
SHORT HOLDS

☐ 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	Total Suspended Solids	TEMPERATURE ON RECEI. C° / Container PID Readings or Laboratory Notes
			31																			
11	S-21A	3/12	1435	W	3	2		2		7	X	X				X	X	X	X	X	X	
12	S-21B	"	1401	"	"	"		"		"	X	X				X	X	X	X	X	X	
13	S-22A	"	1445	"	"	"		"		"	X	X				X	X	X	X	X	X	
14	S-22B	"	1330	"	"	"		"		"	X	X				X	X	X	X	X	X	
15	S-23	"	1410	"	"	"		"		"	X	X				X	X	X	X	X	X	

Relinquished by: (Signature)	Received by: (Signature)	Date: 3/12/09	Time: 1625
Relinquished by: (Signature)	Received by: (Signature)	Date: 3/13/09	Time: 1030
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

05/2/06 Revision

- TPHg (EPA Method 8260B);
- Benzene, ethylbenzene, toluene, xylenes (BTEX) (EPA Method 8260B);
- Nitrate (EPA Method 300 series) ;
- Sulfate (EPA Method 300 series);
- Chloride (EPA Method 300 series);

Total and Dissolved Metals;

- Bromide (EPA Method 300 series);
- Ferrous and Ferric Iron (EPA Method 300 series);
- Manganese (Mn) (EPA Method 6000/7000 series);
- Arsenic (As) (EPA Method 6000/7000 series);
- Nickel (Ni) (EPA Method 6000/7000 series);
- Chromium (Cr), Total (EPA Method 6000/7000 series);
- Chromium VI (EPA Method 6000/7000 series);

- Total Suspended Solids;

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-03- 1216

SAMPLE RECEIPT FORM

Cooler 1 of 2

CLIENT: Blaine Tech

DATE: 03/13/09

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

Temperature 1.8 °C - 0.2 °C (CF) = 1.6 °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:** JH

CUSTODY SEALS INTACT:

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

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

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	☑	☐	☐
COC document(s) received complete.....	☑	☐	☐
Sampler's name indicated on COC.....	☑	☐	☐
Sample container label(s) consistent with COC.....	☑	☐	☐
Sample container(s) intact and good condition.....	☑	☐	☐
Correct containers and volume for analyses requested.....	☑	☐	☐
Analyses received within holding time.....	☑	☐	☐
Proper preservation noted on COC or sample container.....	☑	☐	☐
Volatile analysis container(s) free of headspace.....	☑	☐	☐
Tedlar bag(s) free of condensation.....	☐	☐	☑

CONTAINER TYPE:

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

Water: ☐VOA 3 ☑VOAh ☐VOAna$_2$ ☐125AGB ☐125AGBh ☐125AGBpo$_4$ ☐1AGB ☐1AGBna$_2$ ☐1AGBs ☐500AGB ☐500AGBs ☐250CGB ☐250CGBs ☑1PB ☑500PB ☐500PBna ☐250PB 3 ☑250PBn ☐125PB ☐125PBznna ☐100PBsterile ☐100PBna$_2$ ☑~~500PBn~~ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® ☐_____

SO 3.13.09

Checked/Labeled by: SO

Reviewed by: WB

Scanned by: SO

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

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-03- 1 2 1 C

SAMPLE RECEIPT FORM

Cooler 2 of 2

CLIENT: Blaine Tech

DATE: 03/13/09

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

Temperature 2.1 °C - 0.2 °C (CF) = 1.9 °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: JP

CUSTODY SEALS INTACT:

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

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

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	☑	☐	☐
COC document(s) received complete.....	☑	☐	☐
Sampler's name indicated on COC.....	☑	☐	☐
Sample container label(s) consistent with COC.....	☑	☐	☐
Sample container(s) intact and good condition.....	☑	☐	☐
Correct containers and volume for analyses requested.....	☑	☐	☐
Analyses received within holding time.....	☑	☐	☐
Proper preservation noted on COC or sample container.....	☑	☐	☐
Volatile analysis container(s) free of headspace.....	☑	☐	☐
Tedlar bag(s) free of condensation.....	☐	☐	☑

CONTAINER TYPE:

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

Water: ☐VOA 3 ☑VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBpo_4 ☐1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☐500AGBs ☐250CGB ☐250CGBs ☑1PB ☑500PB ☐500PBna ☐250PB 2 ☑250PBn ☐125PB ☐125PBznna ☐100PBsterile ☐100PBna_2 ☐_____ ☐_____ ☐_____

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: SO

Reviewed by: WS

Scanned by: SO

Calscience
Environmental
Laboratories, Inc.

April 23, 2009

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

Subject: **Calscience Work Order No.:** **09-04-0909**
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 4/10/2009 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Philip Samelle for

Calscience Environmental
Laboratories, Inc.
Jessie Lee
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Project: 461 8th Street , Oakland, CA

Date Received:	04/10/09
Work Order No:	09-04-0909
Preparation:	EPA 3005A Filt.
Method:	EPA 6010B
Units:	mg/L
	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	09-04-0909-2-E	04/09/09 13:22	Aqueous	ICP 5300	04/10/09	04/11/09 16:10	090410LA5

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	0.119	0.0100	1		Nickel	12.6	0.00500	1	
Chromium	3.93	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-9	09-04-0909-3-E	04/09/09 13:00	Aqueous	ICP 5300	04/10/09	04/11/09 16:12	090410LA5

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	0.0155	0.00500	1	
Chromium	0.00789	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-12	09-04-0909-4-E	04/09/09 13:35	Aqueous	ICP 5300	04/10/09	04/11/09 16:15	090410LA5

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	ND	0.00500	1	
Chromium	0.0155	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-13	09-04-0909-5-E	04/09/09 13:10	Aqueous	ICP 5300	04/10/09	04/11/09 16:17	090410LA5

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	3.08	0.00500	1	
Chromium	1.06	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-14R	09-04-0909-6-D	04/09/09 13:20	Aqueous	ICP 5300	04/10/09	04/11/09 16:19	090410LA5

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

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-17	09-04-0909-7-E	04/09/09 13:30	Aqueous	ICP 5300	04/10/09	04/11/09 16:22	090410LA5

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	0.0423	0.00500	1	
Chromium	0.00707	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:	04/10/09
Work Order No:	09-04-0909
Preparation:	EPA 3005A Filt.
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	09-04-0909-8-E	04/09/09 13:10	Aqueous	ICP 5300	04/10/09	04/11/09 16:24	090410LA5

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	0.0117	0.00500	1	
Chromium	0.0333	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20	09-04-0909-9-E	04/09/09 13:40	Aqueous	ICP 5300	04/10/09	04/11/09 16:26	090410LA5

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	5.07	0.00500	1	
Chromium	1.49	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21A	09-04-0909-10-E	04/09/09 14:02	Aqueous	ICP 5300	04/10/09	04/13/09 15:32	090410LA5

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	10.0	0.00500	1	
Chromium	4.18	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21B	09-04-0909-11-E	04/09/09 13:48	Aqueous	ICP 5300	04/10/09	04/11/09 16:31	090410LA5

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	ND	0.00500	1	
Chromium	0.0237	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22A	09-04-0909-12-E	04/09/09 12:58	Aqueous	ICP 5300	04/10/09	04/11/09 16:38	090410LA6

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	4.40	0.00500	1	
Chromium	1.08	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22B	09-04-0909-13-E	04/09/09 13:50	Aqueous	ICP 5300	04/10/09	04/13/09 15:34	090410LA6

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	7.64	0.00500	1	
Chromium	0.337	0.00500	1						

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Analytical Report

Blaine Tech Services, Inc.	Date Received:	04/10/09
1680 Rogers Avenue	Work Order No:	09-04-0909
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-23	09-04-0909-14-E	04/09/09 12:45	Aqueous	ICP 5300	04/10/09	04/11/09 16:43	090410LA6

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	3.58	0.00500	1	
Chromium	0.894	0.00500	1						

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Analytical Report

Blaine Tech Services, Inc.	Date Received:	04/10/09
1680 Rogers Avenue	Work Order No:	09-04-0909
San Jose, CA 95112-1105	Preparation:	EPA 3010A Total
	Method:	EPA 6010B
	Units:	mg/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-8	09-04-0909-2-D	04/09/09 13:22	Aqueous	ICP 5300	04/10/09	04/11/09 14:43	090410LA5

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	0.140	0.0100	1		Nickel	12.5	0.00500	1	
Chromium	4.67	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-9	09-04-0909-3-D	04/09/09 13:00	Aqueous	ICP 5300	04/10/09	04/11/09 16:45	090410LA5

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	0.0119	0.00500	1	
Chromium	0.0524	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-12	09-04-0909-4-D	04/09/09 13:35	Aqueous	ICP 5300	04/10/09	04/11/09 16:47	090410LA5

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	0.0390	0.00500	1	
Chromium	0.0505	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-13	09-04-0909-5-D	04/09/09 13:10	Aqueous	ICP 5300	04/10/09	04/11/09 16:50	090410LA5

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	1.08	0.00500	1	
Chromium	0.303	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-14R	09-04-0909-6-E	04/09/09 13:20	Aqueous	ICP 5300	04/10/09	04/11/09 16:52	090410LA5

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	0.0169	0.00500	1	
Chromium	0.0244	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-17	09-04-0909-7-D	04/09/09 13:30	Aqueous	ICP 5300	04/10/09	04/11/09 16:54	090410LA5

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	0.0858	0.00500	1	
Chromium	0.0369	0.00500	1						

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San Jose, CA 95112-1105

Project: 461 8th Street , Oakland, CA

Date Received: 04/10/09
Work Order No: 09-04-0909
Preparation: EPA 3010A Total
Method: EPA 6010B
Units: mg/L
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Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-19	09-04-0909-8-D	04/09/09 13:10	Aqueous	ICP 5300	04/10/09	04/11/09 16:57	090410LA5

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	0.0340	0.00500	1	
Chromium	0.0600	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20	09-04-0909-9-D	04/09/09 13:40	Aqueous	ICP 5300	04/10/09	04/11/09 16:59	090410LA5

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	3.31	0.00500	1	
Chromium	0.809	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21A	09-04-0909-10-D	04/09/09 14:02	Aqueous	ICP 5300	04/10/09	04/21/09 17:06	090410LA5

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	10.2	0.00500	1	
Chromium	4.27	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21B	09-04-0909-11-DD	04/09/09 13:48	Aqueous	ICP 5300	04/10/09	04/11/09 17:08	090410LA5

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	0.0686	0.00500	1	
Chromium	0.106	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22A	09-04-0909-12-D	04/09/09 12:58	Aqueous	ICP 5300	04/10/09	04/11/09 17:10	090410LA6

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	4.53	0.00500	1	
Chromium	1.16	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22B	09-04-0909-13-D	04/09/09 13:50	Aqueous	ICP 5300	04/10/09	04/15/09 09:52	090410LA6

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	6.90	0.00500	1	
Chromium	0.279	0.00500	1						

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Analytical Report

Blaine Tech Services, Inc.	Date Received:	04/10/09
1680 Rogers Avenue	Work Order No:	09-04-0909
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-23	09-04-0909-14-D	04/09/09 12:45	Aqueous	ICP 5300	04/10/09	04/11/09 17:12	090410LA6

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	3.46	0.00500	1	
Chromium	1.06	0.00500	1						

Method Blank	097-01-003-9,300	N/A	Aqueous	ICP 5300	04/10/09	04/10/09 17:25	090410LA5

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

Method Blank	097-01-003-9,301	N/A	Aqueous	ICP 5300	04/10/09	04/11/09 14:13	090410LA6

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

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Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 04/10/09
Work Order No: 09-04-0909
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	09-04-0909-1-A	04/09/09 09:05	Aqueous	GC/MS LL	04/16/09	04/17/09 05:20	090416L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2100	10	20		Toluene	3500	20	20	
1,2-Dibromoethane	ND	20	20		Xylenes (total)	5400	20	20	
1,2-Dichloroethane	ND	10	20		Methyl-t-Butyl Ether (MTBE)	ND	20	20	
Ethylbenzene	1900	20	20		TPPH	52000	1000	20	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	99	74-140			1,2-Dichloroethane-d4	99	74-146		
Toluene-d8	99	88-112			Toluene-d8-TPPH	100	88-112		
1,4-Bromofluorobenzene	101	74-110							

Method Blank	099-12-767-1,604	N/A	Aqueous	GC/MS LL	04/16/09	04/17/09 03:58	090416L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Toluene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Xylenes (total)	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	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	103	74-140			1,2-Dichloroethane-d4	107	74-146		
Toluene-d8	101	88-112			Toluene-d8-TPPH	103	88-112		
1,4-Bromofluorobenzene	91	74-110							

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Analytical Report

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

Date Received:	04/10/09
Work Order No:	09-04-0909
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	09-04-0909-2-C	04/09/09 13:22	Aqueous	GC/MS LL	04/20/09	04/20/09 18:23	090420L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	170	50	1	
Toluene	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	112	74-140			1,2-Dichloroethane-d4	121	74-146		
Toluene-d8	81	88-112		2	Toluene-d8-TPPH	82	88-112		2
1,4-Bromofluorobenzene	86	74-110							

S-9	09-04-0909-3-A	04/09/09 13:00	Aqueous	GC/MS LL	04/16/09	04/17/09 06:14	090416L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	450	5.0	10		Xylenes (total)	260	2.0	2	
Ethylbenzene	110	2.0	2		TPPH	2300	100	2	
Toluene	60	2.0	2						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	103	74-140			1,2-Dichloroethane-d4	108	74-146		
Toluene-d8	97	88-112			Toluene-d8-TPPH	98	88-112		
1,4-Bromofluorobenzene	96	74-110							

S-12	09-04-0909-4-A	04/09/09 13:35	Aqueous	GC/MS LL	04/16/09	04/17/09 06:41	090416L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	6.0	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	1.6	1.0	1		TPPH	59	50	1	
Toluene	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	110	74-140			1,2-Dichloroethane-d4	109	74-146		
Toluene-d8	96	88-112			Toluene-d8-TPPH	98	88-112		
1,4-Bromofluorobenzene	91	74-110							

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Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	04/10/09
1680 Rogers Avenue	Work Order No:	09-04-0909
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 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-13	09-04-0909-5-A	04/09/09 13:10	Aqueous	GC/MS LL	04/16/09	04/17/09 08:02	090416L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	510	10	20		Xylenes (total)	4300	20	20	
Ethylbenzene	1000	20	20		TPPH	35000	1000	20	
Toluene	7800	50	50						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	97	74-140		1,2-Dichloroethane-d4	96	74-146	
Toluene-d8	96	88-112		Toluene-d8-TPPH	96	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-14R	09-04-0909-6-A	04/09/09 13:20	Aqueous	GC/MS LL	04/16/09	04/17/09 08:30	090416L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	230	2.5	5		Xylenes (total)	250	1.0	1	
Ethylbenzene	47	1.0	1		TPPH	2300	50	1	
Toluene	240	5.0	5						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	99	74-140		1,2-Dichloroethane-d4	97	74-146	
Toluene-d8	99	88-112		Toluene-d8-TPPH	101	88-112	
1,4-Bromofluorobenzene	101	74-110					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-17	09-04-0909-7-B	04/09/09 13:30	Aqueous	GC/MS LL	04/17/09	04/17/09 20:05	090417L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	200	1.0	2		Xylenes (total)	100	2.0	2	
Ethylbenzene	37	2.0	2		TPPH	1300	100	2	
Toluene	110	2.0	2						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	74-140		1,2-Dichloroethane-d4	105	74-146	
Toluene-d8	96	88-112		Toluene-d8-TPPH	96	88-112	
1,4-Bromofluorobenzene	99	74-110					

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Analytical Report

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

Date Received: 04/10/09
Work Order No: 09-04-0909
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	09-04-0909-8-A	04/09/09 13:10	Aqueous	GC/MS LL	04/16/09	04/17/09 09:24	090416L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	140	0.50	1		Xylenes (total)	190	1.0	1	
Ethylbenzene	32	1.0	1		TPPH	1300	50	1	
Toluene	190	1.0	1						

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20	09-04-0909-9-A	04/09/09 13:40	Aqueous	GC/MS LL	04/16/09	04/17/09 09:52	090416L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	80	12	25		Xylenes (total)	490	25	25	
Ethylbenzene	220	25	25		TPPH	8200	1200	25	
Toluene	480	25	25						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	97	74-140		1,2-Dichloroethane-d4	101	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-21A	09-04-0909-10-A	04/09/09 14:02	Aqueous	GC/MS LL	04/16/09	04/17/09 10:19	090416L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	700	12	25		Xylenes (total)	ND	25	25	
Ethylbenzene	130	25	25		TPPH	7800	1200	25	
Toluene	750	25	25						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	103	74-140		1,2-Dichloroethane-d4	104	74-146	
Toluene-d8	96	88-112		Toluene-d8-TPPH	96	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: 04/10/09
Work Order No: 09-04-0909
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	09-04-0909-11-B	04/09/09 13:48	Aqueous	GC/MS LL	04/17/09	04/17/09 20:32	090417L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	14	0.50	1		Xylenes (total)	140	1.0	1	
Ethylbenzene	19	1.0	1		TPPH	890	50	1	
Toluene	55	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	102	74-140			1,2-Dichloroethane-d4	101	74-146		
Toluene-d8	96	88-112			Toluene-d8-TPPH	97	88-112		
1,4-Bromofluorobenzene	99	74-110							

S-22A	09-04-0909-12-B	04/09/09 12:58	Aqueous	GC/MS LL	04/17/09	04/17/09 21:00	090417L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	120	5.0	10		Xylenes (total)	3400	10	10	
Ethylbenzene	680	10	10		TPPH	22000	500	10	
Toluene	1900	10	10						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	100	74-140			1,2-Dichloroethane-d4	105	74-146		
Toluene-d8	100	88-112			Toluene-d8-TPPH	101	88-112		
1,4-Bromofluorobenzene	105	74-110							

S-22B	09-04-0909-13-A	04/09/09 13:50	Aqueous	GC/MS LL	04/16/09	04/17/09 11:40	090416L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	5.3	0.50	1		Xylenes (total)	6.8	1.0	1	
Ethylbenzene	4.0	1.0	1		TPPH	280	50	1	
Toluene	2.5	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	108	74-140			1,2-Dichloroethane-d4	106	74-146		
Toluene-d8	96	88-112			Toluene-d8-TPPH	97	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:	04/10/09
1680 Rogers Avenue	Work Order No:	09-04-0909
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	ug/L
Project: 461 8th Street , Oakland, CA		Page 5 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-23	09-04-0909-14-B	04/09/09 12:45	Aqueous	GC/MS LL	04/17/09	04/17/09 21:27	090417L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	180	2.5	5		Xylenes (total)	ND	5.0	5	
Ethylbenzene	33	5.0	5		TPPH	2700	250	5	
Toluene	95	5.0	5						

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

Method Blank	099-12-767-1,604	N/A	Aqueous	GC/MS LL	04/16/09	04/17/09 03:58	090416L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	103	74-140		1,2-Dichloroethane-d4	107	74-146	
Toluene-d8	101	88-112		Toluene-d8-TPPH	103	88-112	
1,4-Bromofluorobenzene	91	74-110					

Method Blank	099-12-767-1,607	N/A	Aqueous	GC/MS LL	04/17/09	04/17/09 16:00	090417L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	105	74-140		1,2-Dichloroethane-d4	105	74-146	
Toluene-d8	97	88-112		Toluene-d8-TPPH	98	88-112	
1,4-Bromofluorobenzene	95	74-110					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	04/10/09
1680 Rogers Avenue		Work Order No:	09-04-0909
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	ug/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
Method Blank	099-12-767-1,618	N/A	Aqueous	GC/MS LL	04/20/09	04/20/09 14:41	090420L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	103	74-140			1,2-Dichloroethane-d4	106	74-146		
Toluene-d8	99	88-112			Toluene-d8-TPPH	101	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: 04/10/09
Work Order No: 09-04-0909

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-8	09-04-0909-2	04/09/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	34000	1000	1000		mg/L	N/A	04/10/09	EPA 300.0
Chromium, Hexavalent	140	10	10		ug/L	N/A	04/10/09	EPA 7199
Solids, Total Suspended	144	1.0	1		mg/L	04/15/09	04/15/09	SM 2540 D

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-9	09-04-0909-3	04/09/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	48	1.0	1		mg/L	N/A	04/10/09	EPA 300.0
Chromium, Hexavalent	ND	1.0	1		ug/L	N/A	04/10/09	EPA 7199
Solids, Total Suspended	78	1.0	1		mg/L	04/15/09	04/15/09	SM 2540 D

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-12	09-04-0909-4	04/09/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	44	1.0	1		mg/L	N/A	04/10/09	EPA 300.0
Chromium, Hexavalent	10	1.0	1		ug/L	N/A	04/10/09	EPA 7199
Solids, Total Suspended	573	1.0	1		mg/L	04/15/09	04/15/09	SM 2540 D

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-13	09-04-0909-5	04/09/09	Aqueous

Comment(s): (3) The reporting limit is elevated resulting from matrix interference.

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	3900	100	100		mg/L	N/A	04/10/09	EPA 300.0
Chromium, Hexavalent (3)	ND	5.0	5		ug/L	N/A	04/10/09	EPA 7199
Solids, Total Suspended	242	1.0	1		mg/L	04/15/09	04/15/09	SM 2540 D

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: 04/10/09
Work Order No: 09-04-0909

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-14R	09-04-0909-6	04/09/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	49	1.0	1		mg/L	N/A	04/10/09	EPA 300.0
Chromium, Hexavalent	ND	1.0	1		ug/L	N/A	04/10/09	EPA 7199
Solids, Total Suspended	123	1.0	1		mg/L	04/15/09	04/15/09	SM 2540 D

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-17	09-04-0909-7	04/09/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	220	5.0	5		mg/L	N/A	04/10/09	EPA 300.0
Chromium, Hexavalent	ND	1.0	1		ug/L	N/A	04/10/09	EPA 7199
Solids, Total Suspended	1740	10	1		mg/L	04/15/09	04/15/09	SM 2540 D

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-19	09-04-0909-8	04/09/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	150	5.0	5		mg/L	N/A	04/10/09	EPA 300.0
Chromium, Hexavalent	36	1.0	1		ug/L	N/A	04/10/09	EPA 7199
Solids, Total Suspended	282	1.0	1		mg/L	04/15/09	04/15/09	SM 2540 D

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-20	09-04-0909-9	04/09/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	7200	100	100		mg/L	N/A	04/10/09	EPA 300.0
Chromium, Hexavalent	23	5.0	5		ug/L	N/A	04/10/09	EPA 7199
Solids, Total Suspended	428	1.0	1		mg/L	04/15/09	04/15/09	SM 2540 D

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: 04/10/09
Work Order No: 09-04-0909

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-21A	09-04-0909-10	04/09/09	Aqueous

Comment(s): (3) The reporting limit is elevated resulting from matrix interference.

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	26000	500	500		mg/L	N/A	04/10/09	EPA 300.0
Chromium, Hexavalent (3)	ND	10	10		ug/L	N/A	04/10/09	EPA 7199
Solids, Total Suspended	380	1.0	1		mg/L	04/15/09	04/15/09	SM 2540 D

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-21B	09-04-0909-11	04/09/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	41	2.0	2		mg/L	N/A	04/10/09	EPA 300.0
Chromium, Hexavalent	23	1.0	1		ug/L	N/A	04/10/09	EPA 7199
Solids, Total Suspended	3030	10	1		mg/L	04/15/09	04/15/09	SM 2540 D

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-22A	09-04-0909-12	04/09/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	6800	100	100		mg/L	N/A	04/10/09	EPA 300.0
Chromium, Hexavalent	26	1.0	1		ug/L	N/A	04/10/09	EPA 7199
Solids, Total Suspended	2500	10	1		mg/L	04/15/09	04/15/09	SM 2540 D

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-22B	09-04-0909-13	04/09/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	9400	200	200		mg/L	N/A	04/10/09	EPA 300.0
Chromium, Hexavalent	260	5.0	5		ug/L	N/A	04/10/09	EPA 7199
Solids, Total Suspended	66	1.0	1		mg/L	04/15/09	04/15/09	SM 2540 D

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: 04/10/09
Work Order No: 09-04-0909

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-23	09-04-0909-14	04/09/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	9100	200	200		mg/L	N/A	04/10/09	EPA 300.0
Chromium, Hexavalent	18	1.0	1		ug/L	N/A	04/10/09	EPA 7199
Solids, Total Suspended	273	1.0	1		mg/L	04/15/09	04/15/09	SM 2540 D

Method Blank — N/A — Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	ND	1.0	1		mg/L	N/A	04/10/09	EPA 300.0
Chromium, Hexavalent	ND	1.0	1		ug/L	N/A	04/10/09	EPA 7199
Chromium, Hexavalent	ND	1.0	1		ug/L	N/A	04/10/09	EPA 7199
Solids, Total Suspended	ND	1.0	1		mg/L	04/15/09	04/15/09	SM 2540 D

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: 04/10/09
Work Order No: 09-04-0909
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
S-8	Aqueous	ICP 5300	04/10/09	04/11/09	090410SA5

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	90	82	80-140	7	0-11	
Chromium	4X	4X	86-122	4X	0-8	Q
Nickel	4X	4X	84-120	4X	0-7	Q

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc.		Date Received:	04/10/09
1680 Rogers Avenue		Work Order No:	09-04-0909
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
S-22B	Aqueous	ICP 5300	04/10/09	04/11/09	090410SA6

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	100	102	80-140	2	0-11	
Chromium	96	95	86-122	1	0-8	
Nickel	4X	4X	84-120	4X	0-7	Q

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: 04/10/09
Work Order No: 09-04-0909
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-12	Aqueous	GC/MS LL	04/16/09	04/17/09	090416S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	109	107	88-118	2	0-7	
Carbon Tetrachloride	124	121	67-145	2	0-11	
Chlorobenzene	114	108	88-118	5	0-7	
1,2-Dibromoethane	108	109	70-130	1	0-30	
1,2-Dichlorobenzene	108	109	86-116	1	0-8	
1,1-Dichloroethene	108	107	70-130	1	0-25	
Ethylbenzene	121	115	70-130	5	0-30	
Toluene	113	111	87-123	2	0-8	
Trichloroethene	111	109	79-127	2	0-10	
Vinyl Chloride	97	99	69-129	2	0-13	
Methyl-t-Butyl Ether (MTBE)	108	108	71-131	0	0-13	
Tert-Butyl Alcohol (TBA)	107	117	36-168	9	0-45	
Diisopropyl Ether (DIPE)	106	104	81-123	3	0-9	
Ethyl-t-Butyl Ether (ETBE)	105	103	72-126	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	106	107	72-126	0	0-12	
Ethanol	35	110	53-149	103	0-31	3,4

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: 04/10/09
Work Order No: 09-04-0909
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
09-04-0736-6	Aqueous	GC/MS LL	04/17/09	04/17/09	090417S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	94	100	88-118	6	0-7	
Carbon Tetrachloride	101	104	67-145	3	0-11	
Chlorobenzene	97	102	88-118	6	0-7	
1,2-Dibromoethane	98	105	70-130	7	0-30	
1,2-Dichlorobenzene	99	106	86-116	6	0-8	
1,1-Dichloroethene	87	95	70-130	8	0-25	
Ethylbenzene	103	110	70-130	7	0-30	
Toluene	97	107	87-123	9	0-8	4
Trichloroethene	95	103	79-127	8	0-10	
Vinyl Chloride	85	92	69-129	8	0-13	
Methyl-t-Butyl Ether (MTBE)	96	100	71-131	5	0-13	
Tert-Butyl Alcohol (TBA)	105	94	36-168	11	0-45	
Diisopropyl Ether (DIPE)	92	101	81-123	9	0-9	
Ethyl-t-Butyl Ether (ETBE)	93	100	72-126	7	0-12	
Tert-Amyl-Methyl Ether (TAME)	98	108	72-126	10	0-12	
Ethanol	110	101	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.		Date Received:	04/10/09
1680 Rogers Avenue		Work Order No:	09-04-0909
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
09-04-0952-3	Aqueous	GC/MS LL	04/20/09	04/20/09	090420S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	96	88-118	1	0-7	
Carbon Tetrachloride	111	110	67-145	1	0-11	
Chlorobenzene	101	99	88-118	2	0-7	
1,2-Dibromoethane	101	102	70-130	1	0-30	
1,2-Dichlorobenzene	105	105	86-116	0	0-8	
1,1-Dichloroethene	96	113	70-130	15	0-25	
Ethylbenzene	106	107	70-130	2	0-30	
Toluene	102	104	87-123	2	0-8	
Trichloroethene	100	100	79-127	0	0-10	
Vinyl Chloride	90	92	69-129	2	0-13	
Methyl-t-Butyl Ether (MTBE)	105	103	71-131	3	0-13	
Tert-Butyl Alcohol (TBA)	77	84	36-168	9	0-45	
Diisopropyl Ether (DIPE)	96	94	81-123	2	0-9	
Ethyl-t-Butyl Ether (ETBE)	101	101	72-126	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	107	105	72-126	1	0-12	
Ethanol	76	56	53-149	31	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: 09-04-0909

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
Chromium, Hexavalent	EPA 7199	S-9	04/10/09	N/A	99	99	70-130	0	0-25	
Chromium, Hexavalent	EPA 7199	S-14R	04/10/09	N/A	87	88	70-130	1	0-25	
Sulfate	EPA 300.0	09-04-0872-1	04/10/09	N/A	97	98	80-120	0	0-20	

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:	09-04-0909
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	S-20	04/15/09	428	439	3	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: 09-04-0909
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
097-01-003-9,300	Aqueous	ICP 5300	04/10/09	04/10/09	090410LA5

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	98	98	80-120	0	0-20	
Chromium	96	95	80-120	1	0-20	
Nickel	103	103	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:	09-04-0909
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
097-01-003-9,301	Aqueous	ICP 5300	04/10/09	04/11/09	090410LA6

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	98	100	80-120	2	0-20	
Chromium	98	99	80-120	0	0-20	
Nickel	105	107	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: 09-04-0909
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
099-12-767-1,604	Aqueous	GC/MS LL	04/16/09	04/17/09	090416L03

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	105	109	84-120	78-126	3	0-8	
Carbon Tetrachloride	122	121	63-147	49-161	1	0-10	
Chlorobenzene	101	110	89-119	84-124	8	0-7	X
1,2-Dibromoethane	98	105	80-120	73-127	8	0-20	
1,2-Dichlorobenzene	100	106	89-119	84-124	6	0-9	
1,1-Dichloroethene	109	111	77-125	69-133	2	0-16	
Ethylbenzene	113	119	80-120	73-127	5	0-20	
Toluene	109	112	83-125	76-132	3	0-9	
Trichloroethene	117	117	89-119	84-124	0	0-8	
Vinyl Chloride	101	97	63-135	51-147	5	0-13	
Methyl-t-Butyl Ether (MTBE)	101	105	82-118	76-124	4	0-13	
Tert-Butyl Alcohol (TBA)	78	98	46-154	28-172	23	0-32	
Diisopropyl Ether (DIPE)	98	102	81-123	74-130	4	0-11	
Ethyl-t-Butyl Ether (ETBE)	96	103	74-122	66-130	7	0-12	
Tert-Amyl-Methyl Ether (TAME)	102	107	76-124	68-132	5	0-10	
Ethanol	91	113	60-138	47-151	22	0-32	
TPPH	115	105	65-135	53-147	9	0-30	

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

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 09-04-0909
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
099-12-767-1,607	Aqueous	GC/MS LL	04/17/09	04/17/09	090417L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	115	110	84-120	78-126	4	0-8	
Carbon Tetrachloride	125	118	63-147	49-161	5	0-10	
Chlorobenzene	112	111	89-119	84-124	1	0-7	
1,2-Dibromoethane	108	111	80-120	73-127	3	0-20	
1,2-Dichlorobenzene	110	110	89-119	84-124	0	0-9	
1,1-Dichloroethene	117	106	77-125	69-133	10	0-16	
Ethylbenzene	121	121	80-120	73-127	0	0-20	ME
Toluene	117	115	83-125	76-132	2	0-9	
Trichloroethene	116	117	89-119	84-124	1	0-8	
Vinyl Chloride	115	107	63-135	51-147	7	0-13	
Methyl-t-Butyl Ether (MTBE)	107	99	82-118	76-124	7	0-13	
Tert-Butyl Alcohol (TBA)	92	100	46-154	28-172	8	0-32	
Diisopropyl Ether (DIPE)	103	97	81-123	74-130	6	0-11	
Ethyl-t-Butyl Ether (ETBE)	106	98	74-122	66-130	8	0-12	
Tert-Amyl-Methyl Ether (TAME)	110	104	76-124	68-132	5	0-10	
Ethanol	66	83	60-138	47-151	23	0-32	
TPPH	98	106	65-135	53-147	8	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: 09-04-0909
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
099-12-767-1,618	Aqueous	GC/MS LL	04/20/09	04/20/09	090420L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	100	101	84-120	78-126	1	0-8	
Carbon Tetrachloride	111	110	63-147	49-161	1	0-10	
Chlorobenzene	100	98	89-119	84-124	2	0-7	
1,2-Dibromoethane	104	103	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	108	108	89-119	84-124	0	0-9	
1,1-Dichloroethene	94	104	77-125	69-133	9	0-16	
Ethylbenzene	106	102	80-120	73-127	4	0-20	
Toluene	105	106	83-125	76-132	1	0-9	
Trichloroethene	106	104	89-119	84-124	2	0-8	
Vinyl Chloride	94	90	63-135	51-147	5	0-13	
Methyl-t-Butyl Ether (MTBE)	107	105	82-118	76-124	2	0-13	
Tert-Butyl Alcohol (TBA)	98	103	46-154	28-172	4	0-32	
Diisopropyl Ether (DIPE)	100	99	81-123	74-130	2	0-11	
Ethyl-t-Butyl Ether (ETBE)	102	100	74-122	66-130	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	105	107	76-124	68-132	2	0-10	
Ethanol	87	109	60-138	47-151	23	0-32	
TPPH	89	94	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.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: N/A
Work Order No: 09-04-0909

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
Chromium, Hexavalent	EPA 7199	099-05-123-2,327	N/A	04/10/09	108	108	80-120	1	0-20	
Chromium, Hexavalent	EPA 7199	099-05-123-2,328	N/A	04/10/09	97	94	80-120	3	0-20	
Sulfate	EPA 300.0	099-12-906-118	N/A	04/10/09	98	98	90-110	0	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 09-04-0909

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Shell Oil Products Chain Of Custody Record

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

Please Check Appropriate Box:
- ☑ ENV. SERVICES
- ☐ MOTIVA RETAIL
- ☐ SHELL RETAIL
- ☐ MOTIVA SD&CM
- ☐ CONSULTANT
- ☐ LUBES
- ☐ SHELL PIPELINE
- ☐ OTHER

Print Bill To Contact Name: Denis Brown

INCIDENT # (ENV SERVICES): 97093399

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 4/9/09

PAGE: 1 of 2

PO #:

SAP #:

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.: 090409-WW1

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): WILLIAM WONG, PETE CORNISH

LAB USE ONLY: 09-04-0909

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:
Metals analyses to be run Total and Dissolved. One field filtered and one non field filtered HNO3 poly provided.
See attachment for methods and metals list
SHORT HOLDS

- ☐ 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)	Sulfate	Chromium VI	Arsenic, Nickel, Chromium	Total Suspended Solids	Container PID Readings or Laboratory Notes
1	S-5	4/9/09	0905	W	3					3	X	X	X	X	X					
2	S-8		1322			2		2		7	X	X				X	X	X	X	
3	S-9		1300								X	X				X	X	X	X	
4	S-12		1335	1310							X	X				X	X	X	X	
5	S-13		~~1348~~								X	X				X	X	X	X	
6	S-14R		1320								X	X				X	X	X	X	
7	S-17		1330								X	X				X	X	X	X	
8	S-19		1310								X	X				X	X	X	X	
9	S-20		1340								X	X				X	X	X	X	
10	S-21A		1402								X	X				X	X	X	X	

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature) SAMPLE CUSTODIAN	Date: 4/9/09	Time: 1515
Relinquished by: (Signature) SHIPPED VIA FED EX 1630	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date: 4/10/09	Time: 1030

05/2/06 Revision

S116 25887

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): 9 7 0 9 3 3 9 9
SAP #:
☐ CHECK IF NO INCIDENT # APPLIES
DATE: 4/9/09
PAGE: 2 of 2

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.: 090409-MW1
BTS #
PROJECT CONTACT (Hardcopy or PDF Report to): Michael Ninokata
SAMPLER NAME(S) (Print): WILLIAM WOOD; PETE CORNISH
LAB USE ONLY: 09-04-0909
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:
Metals analyses to be run Total and Dissolved. One field filtered and one non field filtered HNO3 poly provided.
See attachment for methods and metals list
SHORT HOLDS

☐ 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)	Sulfate	Chromium VI	Arsenic, Nickel, Chromium	Total Suspended Solids	Container PID Readings or Laboratory Notes
11	S-21B	4/9/09	1348	W	3	2		2		7	X	X				X	X	X	X	
12	S-22A		1258								X	X				X	X	X	X	
13	S-22B		1350								X	X				X	X	X	X	
14	S-23		1245								X	X				X	X	X	X	

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature) SAMPLE CUSTODIAN	Date: 4/9/09	Time: 1515
Relinquished by: (Signature) SHIPPED VIA GSO 1630	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date: 4/10/09	Time: 1030

05/2/06 Revision

0909

- TPHg (EPA Method 8260B);
- BTEX (EPA Method 8260B);
- Sulfate (EPA Method 300 series);
- Total and Dissolved Metals;
    - Arsenic (As) (EPA Method 6000/7000 series);
    - Nickel (Ni) (EPA Method 6000/7000 series);
    - Chromium (Cr), Total (EPA Method 6000/7000 series);
    - Chromium VI (EPA Method 6000/7000 series);
- Total Suspended Solids;

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-04- 0909

SAMPLE RECEIPT FORM

Cooler 1 **of** 1

CLIENT: Blaine Tech **DATE:** 04/10/09

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

Temperature 3.1 °C - 0.2 °C (CF) = 2.9 °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:** JH

CUSTODY SEALS INTACT:

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

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Initial:** W.S.C

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

CONTAINER TYPE:

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

Water: ☐VOA ☑3 VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☑1PB ☑500PB ☐500PB**na**

☐250PB ☑2 (1 of 2 Field Filtered) 250PB**n** ☐125PB ☐125PB**znna** ☐100PB ☐100PB**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® ☐_____ **Other:** ☐_____ **Checked/Labeled by:** W.S.C

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

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

Calscience
Environmental
Laboratories, Inc.

May 05, 2009

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

Subject: **Calscience Work Order No.:** **09-04-2072**
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 4/23/2009 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Philip Samelle for

Calscience Environmental
Laboratories, Inc.
Jessie Lee
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received:	04/23/09
Work Order No:	09-04-2072
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	09-04-2072-1-A	04/21/09 14:13	Aqueous	GC/MS OO	05/01/09	05/02/09 11:50	090501L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	3700	50	100		Toluene	1100	100	100	
1,2-Dibromoethane	ND	100	100		Xylenes (total)	750	100	100	
1,2-Dichloroethane	ND	50	100		Methyl-t-Butyl Ether (MTBE)	ND	100	100	
Ethylbenzene	270	100	100		TPPH	13000	5000	100	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	109	74-140			1,2-Dichloroethane-d4	109	74-146		
Toluene-d8	100	88-112			Toluene-d8-TPPH	98	88-112		
1,4-Bromofluorobenzene	93	74-110							

Method Blank	099-12-767-1,688	N/A	Aqueous	GC/MS OO	05/01/09	05/02/09 04:43	090501L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Toluene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Xylenes (total)	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	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	102	74-140			1,2-Dichloroethane-d4	101	74-146		
Toluene-d8	99	88-112			Toluene-d8-TPPH	97	88-112		
1,4-Bromofluorobenzene	92	74-110							

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 04/23/09
Work Order No: 09-04-2072
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
09-04-2118-1	Aqueous	GC/MS OO	05/01/09	05/02/09	090501S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	93	93	88-118	0	0-7	
Carbon Tetrachloride	91	91	67-145	0	0-11	
Chlorobenzene	96	94	88-118	2	0-7	
1,2-Dibromoethane	96	94	70-130	2	0-30	
1,2-Dichlorobenzene	97	95	86-116	1	0-8	
1,1-Dichloroethene	84	86	70-130	1	0-25	
Ethylbenzene	101	98	70-130	3	0-30	
Toluene	94	95	87-123	1	0-8	
Trichloroethene	92	91	79-127	1	0-10	
Vinyl Chloride	89	91	69-129	2	0-13	
Methyl-t-Butyl Ether (MTBE)	95	96	71-131	2	0-13	
Tert-Butyl Alcohol (TBA)	98	94	36-168	4	0-45	
Diisopropyl Ether (DIPE)	105	105	81-123	0	0-9	
Ethyl-t-Butyl Ether (ETBE)	105	105	72-126	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	103	104	72-126	0	0-12	
Ethanol	90	87	53-149	4	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 09-04-2072
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
099-12-767-1,688	Aqueous	GC/MS OO	05/01/09	05/02/09	090501L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	92	94	84-120	78-126	2	0-8	
Carbon Tetrachloride	94	93	63-147	49-161	1	0-10	
Chlorobenzene	97	95	89-119	84-124	2	0-7	
1,2-Dibromoethane	101	97	80-120	73-127	4	0-20	
1,2-Dichlorobenzene	98	97	89-119	84-124	1	0-9	
1,1-Dichloroethene	88	88	77-125	69-133	1	0-16	
Ethylbenzene	102	101	80-120	73-127	1	0-20	
Toluene	95	97	83-125	76-132	2	0-9	
Trichloroethene	97	97	89-119	84-124	0	0-8	
Vinyl Chloride	95	95	63-135	51-147	0	0-13	
Methyl-t-Butyl Ether (MTBE)	95	98	82-118	76-124	3	0-13	
Tert-Butyl Alcohol (TBA)	95	93	46-154	28-172	2	0-32	
Diisopropyl Ether (DIPE)	105	104	81-123	74-130	0	0-11	
Ethyl-t-Butyl Ether (ETBE)	105	106	74-122	66-130	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	103	105	76-124	68-132	2	0-10	
Ethanol	83	82	60-138	47-151	2	0-32	
TPPH	97	91	65-135	53-147	7	0-30	

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

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 09-04-2072

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Shell Oil Products Chain Of Custody Record

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

Please Check Appropriate Box:
☑ ENV. SERVICES | ☐ MOTIVA RETAIL | ☐ SHELL RETAIL
☐ MOTIVA SD&CM | ☐ CONSULTANT | ☐ LUBES
☐ SHELL PIPELINE | ☐ OTHER _____

Print Bill To Contact Name: Denis Brown
INCIDENT # (ENV SERVICES): 9 7 0 9 3 3 9 9 | ☐ CHECK IF NO INCIDENT # APPLIES
PO #:
SAP #:
DATE: 4/21/09
PAGE: 1 of 1

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.: BTS # 090421-AK1
PROJECT CONTACT (Hardcopy or PDF Report to): Michael Ninokata		SAMPLER NAME(S) (Print): A. Carothers		LAB USE ONLY: OH- 2072
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 :
Run TPH-d w/Silica Gel Clean Up

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	EDC	TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
1	S-6	4/21/09	1413	W	3					3	X		X		X						X			X	

Relinquished by: (Signature) Aaron Carothers	Received by: (Signature) Aaron Carothers (Sample custodian)	Date: 4/21/09	Time: 1722
Relinquished by: (Signature) (Sample Custody)	Received by: (Signature) Tai O'Malley CEC	Date: 4/22/09	Time: 1435
Relinquished by: (Signature) Tai O'Malley TO 680 4/22/09 1730	Received by: (Signature)	Date: 4/23/09	Time: 1000

05/2/06 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-04-2672

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Blaine Tech

DATE: 04/23/09

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

Temperature 3.9 °C - 0.2 °C (CF) = 3.7 °C ☑ Blank ☐ Sample

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

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

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

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

CUSTODY SEALS INTACT:

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

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

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

CONTAINER TYPE:

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

Water: ☐VOA ☑VOA**h** ☐VOA**na_2** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na_2** ☐1AGB**s** ☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na** ☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PB ☐100PB**na_2** ☐_____ ☐_____ ☐_____

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

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

Preservative: h: HCL n: HNO3 na_2:$Na_2S_2O_3$ Na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** TN

Calscience
Environmental
Laboratories, Inc.

June 03, 2009

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

Subject: **Calscience Work Order No.: 09-05-1663**
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 5/19/2009 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Jessie Lee

Calscience Environmental
Laboratories, Inc.
Jessie Lee
Project Manager

Calscience
Environmental
Laboratories, Inc.

Case Narrative
CalScience Work Order No: 09-05-1663

Please note the analytical discrepancy between the Dissolved Chromium, Total Chromium and Hexavalent Chromium results for sample 09-05-1663-9 (S-21B) at 28.8ppb, 29.8ppb and 150ppb respectively. In summary, the total and dissolved chromium numbers are significantly less than the hexavalent chromium result.

The total chromium and hexavalent chromium samples were reanalyzed by the lab using the same containers chosen for the original analysis, and results similar to those originally reported were achieved for both methods.

After reviewing the results, the lab reanalyzed the total chromium sample from the sample container originally used for the hexavalent chromium analysis. The total chromium results from this analysis were significantly higher than originally found (now at 126ppb verses ~30ppb) and were in fact much closer to the hexavalent chromium results originally reported from the same container (150ppb).

It is possible that the result anomaly is due to a misidentified or incorrectly labeled sample container. Because of this, the sample labels, sample extracts and preparation logs were checked by the lab for any anomalies or discrepancies in sample ID's or sample labeling and none were noted.

The sample data presented in this report represent the original set of analyses.

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 05/19/09
Work Order No: 09-05-1663
Preparation: EPA 3005A Filt.
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-9	09-05-1663-1-G	05/18/09 13:40	Aqueous	ICP 5300	05/19/09	05/20/09 12:33	090519LA3F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	ND	0.00500	1	
Chromium	0.00692	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-13	09-05-1663-2-G	05/18/09 14:40	Aqueous	ICP 5300	05/19/09	05/20/09 12:34	090519LA3F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	1.10	0.00500	1	
Chromium	0.0757	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-14R	09-05-1663-3-G	05/18/09 14:20	Aqueous	ICP 5300	05/19/09	05/20/09 12:35	090519LA3F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	ND	0.00500	1	
Chromium	0.00750	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-17	09-05-1663-4-G	05/18/09 15:00	Aqueous	ICP 5300	05/19/09	05/20/09 12:39	090519LA3F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	0.0185	0.00500	1	
Chromium	0.0261	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-18	09-05-1663-5-G	05/18/09 15:15	Aqueous	ICP 5300	05/19/09	05/20/09 12:40	090519LA3F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	0.862	0.00500	1	
Chromium	0.110	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-19	09-05-1663-6-G	05/18/09 14:00	Aqueous	ICP 5300	05/19/09	05/20/09 12:41	090519LA3F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	ND	0.00500	1	
Chromium	0.0316	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: 05/19/09
Work Order No: 09-05-1663
Preparation: EPA 3005A Filt.
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-20	09-05-1663-7-G	05/18/09 14:15	Aqueous	ICP 5300	05/19/09	05/20/09 12:43	090519LA3F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	1.16	0.00500	1	
Chromium	0.129	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21A	09-05-1663-8-G	05/18/09 14:45	Aqueous	ICP 5300	05/19/09	05/20/09 12:44	090519LA3F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	1.51	0.00500	1	
Chromium	0.214	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21B	09-05-1663-9-G	05/18/09 14:00	Aqueous	ICP 5300	05/19/09	05/20/09 12:45	090519LA3F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	ND	0.00500	1	
Chromium	0.0288	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22A	09-05-1663-10-G	05/18/09 14:25	Aqueous	ICP 5300	05/19/09	05/20/09 12:46	090519LA3F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	2.44	0.00500	1	
Chromium	0.209	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22B	09-05-1663-11-G	05/18/09 13:30	Aqueous	ICP 5300	05/19/09	05/20/09 12:48	090519LA4F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	5.67	0.00500	1	
Chromium	0.187	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-23	09-05-1663-12-G	05/18/09 13:50	Aqueous	ICP 5300	05/19/09	05/20/09 12:49	090519LA4F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	0.285	0.00500	1	
Chromium	0.0540	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:	05/19/09
Work Order No:	09-05-1663
Preparation:	EPA 3005A Filt.
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
Method Blank	097-01-003-9,396	N/A	Aqueous	ICP 5300	05/19/09	05/20/09 11:31	090519LA3F

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

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	097-01-003-9,398	N/A	Aqueous	ICP 5300	05/19/09	05/20/09 11:33	090519LA4F

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	ND	0.00500	1	
Chromium	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: 05/19/09
Work Order No: 09-05-1663
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-9	09-05-1663-1-F	05/18/09 13:40	Aqueous	ICP 5300	05/19/09	05/20/09 12:50	090519LA3

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	0.00717	0.00500	1	
Chromium	0.0441	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-13	09-05-1663-2-F	05/18/09 14:40	Aqueous	ICP 5300	05/19/09	05/20/09 12:54	090519LA3

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	0.981	0.00500	1	
Chromium	0.0959	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-14R	09-05-1663-3-F	05/18/09 14:20	Aqueous	ICP 5300	05/19/09	05/20/09 12:55	090519LA3

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	0.00986	0.00500	1	
Chromium	0.0258	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-17	09-05-1663-4-F	05/18/09 15:00	Aqueous	ICP 5300	05/19/09	05/20/09 12:56	090519LA3

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	0.115	0.00500	1	
Chromium	0.131	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-18	09-05-1663-5-F	05/18/09 15:15	Aqueous	ICP 5300	05/19/09	05/20/09 12:57	090519LA3

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	1.15	0.00500	1	
Chromium	0.230	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-19	09-05-1663-6-F	05/18/09 14:00	Aqueous	ICP 5300	05/19/09	05/20/09 12:59	090519LA3

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	0.0196	0.00500	1	
Chromium	0.0677	0.00500	1						

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

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

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

Date Received: 05/19/09
Work Order No: 09-05-1663
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-20	09-05-1663-7-F	05/18/09 14:15	Aqueous	ICP 5300	05/19/09	05/20/09 13:00	090519LA3

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	1.17	0.00500	1	
Chromium	0.134	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21A	09-05-1663-8-F	05/18/09 14:45	Aqueous	ICP 5300	05/19/09	05/20/09 13:01	090519LA3

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	1.45	0.00500	1	
Chromium	0.221	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21B	09-05-1663-9-F	05/18/09 14:00	Aqueous	ICP 5300	05/19/09	05/20/09 13:02	090519LA3

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	ND	0.00500	1	
Chromium	0.0298	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22A	09-05-1663-10-F	05/18/09 14:25	Aqueous	ICP 5300	05/19/09	05/20/09 13:04	090519LA3

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	2.42	0.00500	1	
Chromium	0.309	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22B	09-05-1663-11-F	05/18/09 13:30	Aqueous	ICP 5300	05/19/09	05/21/09 17:21	090519LA4

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	5.47	0.00500	1	
Chromium	0.192	0.00500	1						

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-23	09-05-1663-12-F	05/18/09 13:50	Aqueous	ICP 5300	05/19/09	05/20/09 13:14	090519LA4

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	0.279	0.00500	1	
Chromium	0.0721	0.00500	1						

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	05/19/09
1680 Rogers Avenue	Work Order No:	09-05-1663
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
Method Blank	097-01-003-9,395	N/A	Aqueous	ICP 5300	05/19/09	05/20/09 11:31	090519LA3

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

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	097-01-003-9,397	N/A	Aqueous	ICP 5300	05/19/09	05/20/09 11:33	090519LA4

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.0100	1		Nickel	ND	0.00500	1	
Chromium	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: 05/19/09
Work Order No: 09-05-1663
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-9	09-05-1663-1-B	05/18/09 13:40	Aqueous	GC/MS RR	05/27/09	05/27/09 17:24	090527L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	200	2.5	5		Xylenes (total)	180	5.0	5	
Ethylbenzene	61	5.0	5		TPPH	1500	250	5	
Toluene	35	5.0	5						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	109	74-140		1,2-Dichloroethane-d4	113	74-146	
Toluene-d8	98	88-112		Toluene-d8-TPPH	96	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-13	09-05-1663-2-B	05/18/09 14:40	Aqueous	GC/MS W	05/26/09	05/27/09 07:00	090526L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	820	25	50		Xylenes (total)	6600	50	50	
Ethylbenzene	1100	50	50		TPPH	35000	2500	50	
Toluene	7000	50	50						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	110	74-140		1,2-Dichloroethane-d4	111	74-146	
Toluene-d8	97	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-14R	09-05-1663-3-B	05/18/09 14:20	Aqueous	GC/MS RR	05/27/09	05/27/09 17:49	090527L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	51	0.50	1		Xylenes (total)	67	1.0	1	
Ethylbenzene	17	1.0	1		TPPH	750	50	1	
Toluene	48	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	110	74-140		1,2-Dichloroethane-d4	113	74-146	
Toluene-d8	101	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.	Date Received:	05/19/09
1680 Rogers Avenue	Work Order No:	09-05-1663
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 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-17	09-05-1663-4-B	05/18/09 15:00	Aqueous	GC/MS W	05/26/09	05/27/09 07:57	090526L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	97	1.0	2		Xylenes (total)	25	2.0	2	
Ethylbenzene	17	2.0	2		TPPH	630	100	2	
Toluene	44	2.0	2						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	104	74-140		1,2-Dichloroethane-d4	107	74-146	
Toluene-d8	100	88-112		Toluene-d8-TPPH	102	88-112	
1,4-Bromofluorobenzene	90	74-110					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-18	09-05-1663-5-B	05/18/09 15:15	Aqueous	GC/MS RR	05/27/09	05/27/09 18:15	090527L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	320	5.0	10		Xylenes (total)	1000	10	10	
Ethylbenzene	200	10	10		TPPH	6700	500	10	
Toluene	1100	10	10						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	110	74-140		1,2-Dichloroethane-d4	116	74-146	
Toluene-d8	100	88-112		Toluene-d8-TPPH	97	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-19	09-05-1663-6-B	05/18/09 14:00	Aqueous	GC/MS W	05/26/09	05/27/09 05:06	090526L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	69	0.50	1		Xylenes (total)	100	1.0	1	
Ethylbenzene	17	1.0	1		TPPH	780	50	1	
Toluene	87	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	106	74-140		1,2-Dichloroethane-d4	111	74-146	
Toluene-d8	96	88-112		Toluene-d8-TPPH	98	88-112	
1,4-Bromofluorobenzene	95	74-110					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received: 05/19/09
1680 Rogers Avenue	Work Order No: 09-05-1663
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-20	09-05-1663-7-B	05/18/09 14:15	Aqueous	GC/MS W	05/26/09	05/27/09 08:54	090526L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	970	12	25		Xylenes (total)	4800	25	25	
Ethylbenzene	630	25	25		TPPH	21000	1200	25	
Toluene	1500	25	25						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	112	74-140			1,2-Dichloroethane-d4	114	74-146		
Toluene-d8	97	88-112			Toluene-d8-TPPH	99	88-112		
1,4-Bromofluorobenzene	95	74-110							

S-21A	09-05-1663-8-B	05/18/09 14:45	Aqueous	GC/MS W	05/26/09	05/27/09 09:23	090526L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	1800	12	25		Xylenes (total)	1900	25	25	
Ethylbenzene	390	25	25		TPPH	15000	1200	25	
Toluene	2200	25	25						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	108	74-140			1,2-Dichloroethane-d4	112	74-146		
Toluene-d8	96	88-112			Toluene-d8-TPPH	99	88-112		
1,4-Bromofluorobenzene	91	74-110							

S-21B	09-05-1663-9-B	05/18/09 14:00	Aqueous	GC/MS W	05/26/09	05/27/09 09:51	090526L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	6.8	0.50	1		Xylenes (total)	27	1.0	1	
Ethylbenzene	12	1.0	1		TPPH	390	50	1	
Toluene	14	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	110	74-140			1,2-Dichloroethane-d4	109	74-146		
Toluene-d8	93	88-112			Toluene-d8-TPPH	95	88-112		
1,4-Bromofluorobenzene	91	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:	05/19/09
Work Order No:	09-05-1663
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	09-05-1663-10-B	05/18/09 14:25	Aqueous	GC/MS W	05/26/09	05/27/09 10:19	090526L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	4700	25	50		Xylenes (total)	3700	10	10	
Ethylbenzene	590	10	10		TPPH	25000	500	10	
Toluene	1300	10	10						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	98	74-140		1,2-Dichloroethane-d4	100	74-146	
Toluene-d8	96	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-22B	09-05-1663-11-B	05/18/09 13:30	Aqueous	GC/MS RR	05/27/09	05/27/09 15:45	090527L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	3.7	0.50	1		Xylenes (total)	8.6	1.0	1	
Ethylbenzene	2.4	1.0	1		TPPH	170	50	1	
Toluene	2.9	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	111	74-140		1,2-Dichloroethane-d4	116	74-146	
Toluene-d8	99	88-112		Toluene-d8-TPPH	97	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-23	09-05-1663-12-B	05/18/09 13:50	Aqueous	GC/MS W	05/26/09	05/27/09 11:17	090526L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	350	2.5	5		Xylenes (total)	300	5.0	5	
Ethylbenzene	79	5.0	5		TPPH	3000	250	5	
Toluene	440	5.0	5						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	104	74-140		1,2-Dichloroethane-d4	104	74-146	
Toluene-d8	94	88-112		Toluene-d8-TPPH	96	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:	05/19/09
1680 Rogers Avenue	Work Order No:	09-05-1663
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	ug/L
Project: 461 8th Street , Oakland, CA		Page 5 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-767-1,852	N/A	Aqueous	GC/MS W	05/26/09	05/27/09 04:38	090526L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	111	74-140			1,2-Dichloroethane-d4	115	74-146		
Toluene-d8	96	88-112			Toluene-d8-TPPH	99	88-112		
1,4-Bromofluorobenzene	82	74-110							

Method Blank	099-12-767-1,854	N/A	Aqueous	GC/MS RR	05/27/09	05/27/09 15:20	090527L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	111	74-140			1,2-Dichloroethane-d4	116	74-146		
Toluene-d8	97	88-112			Toluene-d8-TPPH	95	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: 05/19/09
Work Order No: 09-05-1663

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-9	09-05-1663-1	05/18/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	45	1.0	1		mg/L	N/A	05/19/09	EPA 300.0
Chromium, Hexavalent	ND	1.0	1		ug/L	N/A	05/19/09	EPA 7199
Solids, Total Suspended	7.5	1.0	1		mg/L	N/A	05/22/09	SM 2540 D

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-13	09-05-1663-2	05/18/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	2200	50	50		mg/L	N/A	05/19/09	EPA 300.0
Chromium, Hexavalent	ND	1.0	1		ug/L	N/A	05/19/09	EPA 7199
Solids, Total Suspended	143	1.0	1		mg/L	N/A	05/22/09	SM 2540 D

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-14R	09-05-1663-3	05/18/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	26	1.0	1		mg/L	N/A	05/19/09	EPA 300.0
Chromium, Hexavalent	17	1.0	1		ug/L	N/A	05/19/09	EPA 7199
Solids, Total Suspended	90	1.0	1		mg/L	N/A	05/22/09	SM 2540 D

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-17	09-05-1663-4	05/18/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	120	2.0	2		mg/L	N/A	05/19/09	EPA 300.0
Chromium, Hexavalent	20	1.0	1		ug/L	N/A	05/19/09	EPA 7199
Solids, Total Suspended	1600	10	1		mg/L	N/A	05/22/09	SM 2540 D

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: 05/19/09
Work Order No: 09-05-1663

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-18	09-05-1663-5	05/18/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	3000	100	100		mg/L	N/A	05/19/09	EPA 300.0
Chromium, Hexavalent	1.7	1.0	1		ug/L	N/A	05/19/09	EPA 7199
Solids, Total Suspended	1460	10	1		mg/L	N/A	05/22/09	SM 2540 D

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-19	09-05-1663-6	05/18/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	54	1.0	1		mg/L	N/A	05/19/09	EPA 300.0
Chromium, Hexavalent	33	1.0	1		ug/L	N/A	05/19/09	EPA 7199
Solids, Total Suspended	183	1.0	1		mg/L	N/A	05/22/09	SM 2540 D

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-20	09-05-1663-7	05/18/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	2700	100	100		mg/L	N/A	05/19/09	EPA 300.0
Chromium, Hexavalent	6.0	2.0	2		ug/L	N/A	05/19/09	EPA 7199
Solids, Total Suspended	61	1.0	1		mg/L	N/A	05/22/09	SM 2540 D

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-21A	09-05-1663-8	05/18/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	2500	100	100		mg/L	N/A	05/19/09	EPA 300.0
Chromium, Hexavalent	2.2	1.0	1		ug/L	N/A	05/19/09	EPA 7199
Solids, Total Suspended	409	1.0	1		mg/L	N/A	05/22/09	SM 2540 D

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

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

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

Date Received: 05/19/09
Work Order No: 09-05-1663

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-21B	09-05-1663-9	05/18/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	320	10	10		mg/L	N/A	05/19/09	EPA 300.0
Chromium, Hexavalent	150	2.0	2		ug/L	N/A	05/19/09	EPA 7199
Solids, Total Suspended	77	1.0	1		mg/L	N/A	05/22/09	SM 2540 D

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-22A	09-05-1663-10	05/18/09	Aqueous

Comment(s): (3) The reporting limit is elevated resulting from matrix interference.

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	7000	200	200		mg/L	N/A	05/19/09	EPA 300.0
Chromium, Hexavalent (3)	ND	2.0	2		ug/L	N/A	05/19/09	EPA 7199
Solids, Total Suspended	1670	10	1		mg/L	N/A	05/22/09	SM 2540 D

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-22B	09-05-1663-11	05/18/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	6400	100	100		mg/L	N/A	05/19/09	EPA 300.0
Chromium, Hexavalent	190	2.0	2		ug/L	N/A	05/19/09	EPA 7199
Solids, Total Suspended	56	1.0	1		mg/L	N/A	05/22/09	SM 2540 D

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-23	09-05-1663-12	05/18/09	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	600	10	10		mg/L	N/A	05/19/09	EPA 300.0
Chromium, Hexavalent	35	1.0	1		ug/L	N/A	05/19/09	EPA 7199
Solids, Total Suspended	194	1.0	1		mg/L	N/A	05/22/09	SM 2540 D

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

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

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

Date Received: 05/19/09
Work Order No: 09-05-1663

Project: 461 8th Street , Oakland, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix
Method Blank		N/A	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	ND	1.0	1		mg/L	N/A	05/19/09	EPA 300.0
Chromium, Hexavalent	ND	1.0	1		ug/L	N/A	05/19/09	EPA 7199
Solids, Total Suspended	ND	1.0	1		mg/L	N/A	05/22/09	SM 2540 D

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH NELAC

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

Date Received: 05/19/09
Work Order No: 09-05-1663
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
S-9	Aqueous	ICP 5300	05/19/09	05/20/09	090519SA3

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	103	110	80-140	6	0-11	
Chromium	96	103	86-122	7	0-8	
Nickel	97	103	84-120	6	0-7	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

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

Date Received: 05/19/09
Work Order No: 09-05-1663
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
S-22B	Aqueous	ICP 5300	05/19/09	05/20/09	090519SA4

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	118	115	80-140	3	0-11	
Chromium	103	95	86-122	6	0-8	
Nickel	4X	4X	84-120	4X	0-7	Q

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

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

Date Received: 05/19/09
Work Order No: 09-05-1663
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-19	Aqueous	GC/MS W	05/26/09	05/27/09	090526S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	94	83	88-118	5	0-7	3
Carbon Tetrachloride	97	92	67-145	5	0-11	
Chlorobenzene	100	96	88-118	4	0-7	
1,2-Dibromoethane	102	98	70-130	4	0-30	
1,2-Dichlorobenzene	103	100	86-116	3	0-8	
1,1-Dichloroethene	96	94	70-130	2	0-25	
Ethylbenzene	112	103	70-130	6	0-30	
Toluene	99	86	87-123	5	0-8	3
Trichloroethene	91	87	79-127	4	0-10	
Vinyl Chloride	97	97	69-129	0	0-13	
Methyl-t-Butyl Ether (MTBE)	98	99	71-131	1	0-13	
Tert-Butyl Alcohol (TBA)	105	127	36-168	19	0-45	
Diisopropyl Ether (DIPE)	100	98	81-123	2	0-9	
Ethyl-t-Butyl Ether (ETBE)	88	89	72-126	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	100	101	72-126	1	0-12	
Ethanol	109	157	53-149	36	0-31	4,3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 05/19/09
Work Order No: 09-05-1663
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-22B	Aqueous	GC/MS RR	05/27/09	05/27/09	090527S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	94	88-118	2	0-7	
Carbon Tetrachloride	110	105	67-145	5	0-11	
Chlorobenzene	99	96	88-118	3	0-7	
1,2-Dibromoethane	101	99	70-130	3	0-30	
1,2-Dichlorobenzene	94	94	86-116	0	0-8	
1,1-Dichloroethene	102	98	70-130	4	0-25	
Ethylbenzene	100	98	70-130	3	0-30	
Toluene	98	96	87-123	2	0-8	
Trichloroethene	97	95	79-127	3	0-10	
Vinyl Chloride	88	91	69-129	4	0-13	
Methyl-t-Butyl Ether (MTBE)	102	99	71-131	3	0-13	
Tert-Butyl Alcohol (TBA)	91	92	36-168	1	0-45	
Diisopropyl Ether (DIPE)	98	96	81-123	2	0-9	
Ethyl-t-Butyl Ether (ETBE)	100	98	72-126	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	99	98	72-126	1	0-12	
Ethanol	94	103	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.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: N/A
Work Order No: 09-05-1663

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
Chromium, Hexavalent	EPA 7199	S-9	05/19/09	N/A	101	103	70-130	2	0-25	
Sulfate	EPA 300.0	S-9	05/19/09	N/A	109	100	80-120	9	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

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

Date Received: N/A
Work Order No: 09-05-1663

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	09-05-1818-5	05/22/09	3780	3810	1	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:	09-05-1663
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
097-01-003-9,395	Aqueous	ICP 5300	05/19/09	05/20/09	090519LA3

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	97	99	80-120	2	0-20	
Chromium	97	98	80-120	1	0-20	
Nickel	102	104	80-120	2	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

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

Date Received: N/A
Work Order No: 09-05-1663
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
097-01-003-9,396	Aqueous	ICP 5300	05/19/09	05/20/09	090519LA3F

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	97	99	80-120	2	0-20	
Chromium	97	98	80-120	1	0-20	
Nickel	102	104	80-120	2	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: 09-05-1663
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
097-01-003-9,397	Aqueous	ICP 5300	05/19/09	05/20/09	090519LA4

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	101	98	80-120	3	0-20	
Chromium	100	96	80-120	4	0-20	
Nickel	107	103	80-120	4	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: 09-05-1663
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
097-01-003-9,398	Aqueous	ICP 5300	05/19/09	05/20/09	090519LA4F

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	101	98	80-120	3	0-20	
Chromium	100	96	80-120	4	0-20	
Nickel	107	103	80-120	4	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

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

Date Received: N/A
Work Order No: 09-05-1663
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
099-12-767-1,852	Aqueous	GC/MS W	05/26/09	05/27/09	090526L02

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	102	107	84-120	78-126	5	0-8	
Carbon Tetrachloride	108	113	63-147	49-161	5	0-10	
Chlorobenzene	106	110	89-119	84-124	3	0-7	
1,2-Dibromoethane	106	107	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	103	107	89-119	84-124	4	0-9	
1,1-Dichloroethene	108	114	77-125	69-133	5	0-16	
Ethylbenzene	113	119	80-120	73-127	5	0-20	
Toluene	103	108	83-125	76-132	5	0-9	
Trichloroethene	100	106	89-119	84-124	6	0-8	
Vinyl Chloride	110	116	63-135	51-147	5	0-13	
Methyl-t-Butyl Ether (MTBE)	104	106	82-118	76-124	3	0-13	
Tert-Butyl Alcohol (TBA)	102	102	46-154	28-172	0	0-32	
Diisopropyl Ether (DIPE)	99	104	81-123	74-130	5	0-11	
Ethyl-t-Butyl Ether (ETBE)	101	103	74-122	66-130	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	103	104	76-124	68-132	1	0-10	
Ethanol	98	113	60-138	47-151	14	0-32	
TPPH	113	122	65-135	53-147	8	0-30	

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

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 09-05-1663
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
099-12-767-1,854	Aqueous	GC/MS RR	05/27/09	05/27/09	090527L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	103	104	84-120	78-126	1	0-8	
Carbon Tetrachloride	117	118	63-147	49-161	1	0-10	
Chlorobenzene	104	106	89-119	84-124	1	0-7	
1,2-Dibromoethane	106	109	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	98	99	89-119	84-124	1	0-9	
1,1-Dichloroethene	109	114	77-125	69-133	5	0-16	
Ethylbenzene	107	109	80-120	73-127	2	0-20	
Toluene	105	106	83-125	76-132	1	0-9	
Trichloroethene	106	108	89-119	84-124	2	0-8	
Vinyl Chloride	98	115	63-135	51-147	16	0-13	X
Methyl-t-Butyl Ether (MTBE)	100	103	82-118	76-124	3	0-13	
Tert-Butyl Alcohol (TBA)	92	98	46-154	28-172	7	0-32	
Diisopropyl Ether (DIPE)	100	100	81-123	74-130	0	0-11	
Ethyl-t-Butyl Ether (ETBE)	97	98	74-122	66-130	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	98	99	76-124	68-132	1	0-10	
Ethanol	101	99	60-138	47-151	2	0-32	
TPPH	113	112	65-135	53-147	0	0-30	

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

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

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

Date Received: N/A
Work Order No: 09-05-1663

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
Chromium, Hexavalent	EPA 7199	099-05-123-2,348	N/A	05/19/09	105	105	80-120	0	0-20	
Sulfate	EPA 300.0	099-12-906-221	N/A	05/19/09	100	99	90-110	0	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 09-05-1663

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
☑ CALSCIENCE ( )
☐ SPL ( )
☐ XENCO ( )
☐ TEST AMERICA ( )
☐ OTHER ( )

Please Check Appropriate Box:
☑ ENV. SERVICES ☐ MOTIVA RETAIL ☐ SHELL RETAIL
☐ MOTIVA SD&CM ☐ CONSULTANT ☐ LUBES
☐ SHELL PIPELINE ☐ OTHER

Print Bill To Contact Name: Denis Brown
PO #:
INCIDENT # (ENV SERVICES): 9 7 0 9 3 3 9 9
SAP #:
☐ CHECK IF NO INCIDENT # APPLIES
DATE: 5/18/09
PAGE: 1 of 2

SAMPLING COMPANY: Blaine Tech Services
LOG CODE: BTSS
ADDRESS: 1680 Rogers Ave, San Jose, CA 95112
PROJECT CONTACT (Hardcopy or PDF Report to): Michael Ninokata
TELEPHONE: (408)573-0555
FAX: (408)573-7771
E-MAIL: mninokata@blainetech.com

SITE ADDRESS: Street and City: 461 8th St., Oakland
State: CA
GLOBAL ID NO.: T0600101263
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.: 090518-BM1
BTS #:
SAMPLER NAME(S) (Print): R. McCarthy, C. Morash
LAB USE ONLY: 05-1663

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 :
Metals analyses to be run Total and Dissolved. One field filtered and one non field filtered HNO3 poly provided.
See attachment for methods and metals list
SHORT HOLDS

☐ 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)	Sulfate	Chromium VI	Arsenic, Nickel, Chromium	Total Suspended Solids	Container PID Readings or Laboratory Notes
1	S-9	5/18/09	1340	W	3	2		2		7	X	X				X	X	X	X	
2	S-13		1440							7	X	X				X	X	X	X	
3	S-14R		1420							7	X	X				X	X	X	X	
4	S-17		1500							7	X	X				X	X	X	X	
5	S-18		1515							7	X	X				X	X	X	X	
6	S-19		1400							7	X	X				X	X	X	X	
7	S-20		1415							7	X	X				X	X	X	X	
8	S-21A		1445							7	X	X				X	X	X	X	
9	S-21B		1400							7	X	X				X	X	X	X	
10	S-22A		1425							7	X	X				X	X	X	X	

TEMPERATURE ON RECEIPT C°:

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		5/18/09	1645
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Shipped via GSO		5/18/09	1730

05/2/06 Revision

5118585098

5/19/09 1030

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: 5/18/09
PAGE: 2 of 2

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.: 090518-BM1
BTS #
PROJECT CONTACT (Hardcopy or PDF Report to): Michael Ninokata
TELEPHONE: (408)573-0555
FAX: (408)573-7771
E-MAIL: mninokata@blainetech.com
SAMPLER NAME(S) (Print): R. McCarthy, C. Morach
LAB USE ONLY: 05-1663

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 :
Metals analyses to be run Total and Dissolved. One field filtered and one non field filtered HNO3 poly provided.
See attachment for methods and metals list
SHORT HOLDS

☐ 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)	Sulfate	Chromium VI	Arsenic, Nickel, Chromium	Total Suspended Solids	Container PID Readings or Laboratory Notes
11	S-22S	5/18/09	1330	W	3	2		2		7	X	X				X	X	X	X	
12	S-23	↓	1350	W	3	2		2		7	X	X				X	X	X	X	

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		5/19/09	1030

05/2/08 Revision

- TPHg (EPA Method 8260B);
- BTEX (EPA Method 8260B);
- Sulfate (EPA Method 300 series);
- **Total and Dissolved Metals;**
    - Arsenic (As) (EPA Method 6000/7000 series);
    - Nickel (Ni) (EPA Method 6000/7000 series);
    - Chromium (Cr), Total (EPA Method 6000/7000 series);
    - Chromium VI (EPA Method 6000/7000 series);
- Total Suspended Solids;

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-05- 1 6 6 3

SAMPLE RECEIPT FORM

Cooler 1 of 2

CLIENT: Blaine Tech DATE: 5/19/09

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

Temperature 2.4 °C - 0.2 °C (CF) = 2.2 °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:** JP

CUSTODY SEALS INTACT:

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

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

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑ YL 5/19/09	☑	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
* ☑ COC not relinquished. * ☑ No date relinquished. * ☑ No time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Correct containers and volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

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

Water: ☐VOA ☑VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☐500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☑1PB ☑500PB ☐500PBna ☐250PB ☑250PBn YL ☐125PB ☐125PBznna ☐100PB ☐100PBna_2 ☑250PBn ☐_____ ☐_____

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

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

Preservative: h: HCL n: HNO_3 na_2: $Na_2S_2O_3$ Na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** YL

* on page #2

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-05- 1 6 6 3

SAMPLE RECEIPT FORM

Cooler 2 of 2

CLIENT: Blaine Tech DATE: 5/19/09

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

Temperature 2.8 °C - 0.2 °C (CF) = 2.6 °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:** JP

CUSTODY SEALS INTACT:

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

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

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑ YL 5/19/9	☑	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☑* COC not relinquished. ☑* No date relinquished. ☑* No time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Correct containers and volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

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

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

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

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

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

* on page #2

WELL GAUGING DATA

Project # 090312-J01 Date 3/12/09 Client Shell

Site Shell 461 8th St. 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-8	0850	4					22.90	29.11		
S-9	0845	4					22.22	29.80		
S-10	0900	4					23.44	35.90		
S-12	0834	4					24.41	34.22		
S-13	0837	4	odor				23.20	32.48		
S-14R	0834	4					22.39	34.36		
S-17	0851	2					23.24	34.38		
S-18	0848	2					22.85	34.12		
S-19	0903	4					22.44	34.74		
S-20	0841	4					22.40	34.67		
S-21A	0855	4	odor				23.35	26.32		
S-21B	0845	4					23.32	39.40		
S-22A	0856	4					22.65	26.18		
S-22B	0854	4					22.86	30.71		
S-23	0840	4					23.03	34.60		

SHELL WELL MONITORING DATA SHEET

BTS #: 090312-JO1	Site: 97093399
Sampler: JO/JP/CM/(AC)	Date: 3/12/09
Well I.D.: S-8	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 29.11	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]: 24.14	

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

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

4.0 (Gals.) X 3 = 12 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
0927	66.4	7.02	446.3	134	4	clear
0928	67.5	6.78	499.3	732	8	cloudy
0929	67.4	6.83	472.1	176	12	clear

Did well dewater? Yes (No) Gallons actually evacuated: 12

Sampling Date: 3/12/09 Sampling Time: 1325 Depth to Water: 22.98

Sample I.D.: S-8 Laboratory: (CalScience) Columbia Other____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 090312-JO1	Site: 97093399
Sampler: JO/JP/CM/AC	Date: 3/12/09
Well I.D.: S-9	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 29.80	Depth to Water (DTW): 22.22
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]: 23.74	

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

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

5.0 (Gals.) X 3 = 15.0 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
0950	66.6	5.86	1492	29	5.0	odor
0951	Dewatered		@ 9.0	gals		
1340	68.6	7.23	1011	15	—	

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

Sampling Date: 3/12/09 Sampling Time: 1345 Depth to Water: 22.32

Sample I.D.: S-9 Laboratory: (CalScience) Columbia Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 090312-JO1	Site: 97093399
Sampler: JO/JP/CM/AC	Date: 3/12/09
Well I.D.: S-10	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 35.90	Depth to Water (DTW): 23.44
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]: 25.93	

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / X Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other____

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

8.0 (Gals.) X 3 = 24.0 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 (uS))	Turbidity (NTUs)	Gals. Removed	Observations
0922	65.7	6.34	1221	39	8.0	
0923	67.2	6.44	1179	76	16.0	
0925	67.8	6.50	1097	66	24.0	

Did well dewater? Yes (No) Gallons actually evacuated: 24.0

Sampling Date: 3/12/09 Sampling Time: 1310 Depth to Water: 23.50

Sample I.D.: S-10 Laboratory: (CalScience) Columbia Other____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 090312-JO1	Site: 97093399
Sampler: JO/JP/CM/(AC)	Date: 3/12/09
Well I.D.: S-12	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 34.22	Depth to Water (DTW): 24.41
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]: 26.37	

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

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

6.4 (Gals.) X 3 = 19.2 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
0916	65.2	7.71	367.8	848	6.4	cloudy
0918	67.4	7.52	356.7	>1000	12.8	"
0920	67.8	7.45	330.1	916	19.2	"

Did well dewater? Yes (No) Gallons actually evacuated: 19.2

Sampling Date: 3/12/09 Sampling Time: ~~0919~~ 1310 Depth to Water: 24.50

Sample I.D.: S-12 Laboratory: (CalScience) Columbia Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 090312-JO1	Site: 97093399
Sampler: JO/JP/CM/(AC)	Date: 3/12/09
Well I.D.: S-13	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 32.48	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]: 25.06	

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

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

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

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1004	67.1	7.03	1743	195	6	clear
1005	68.3	6.62	5346	424	12	cloudy/odor
1006	68.5	6.65	5939	220	18	cloudy/odor

Did well dewater? Yes (No) Gallons actually evacuated: 18

Sampling Date: 3/12/09 Sampling Time: 1345 Depth to Water: 23.20

Sample I.D.: S-13 Laboratory: (CalScience) Columbia Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 090312-JO1	Site: 97093399
Sampler: JO/JP/CM/AC	Date: 3/12/09
Well I.D.: S-14R	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 34.36	Depth to Water (DTW): 22.39
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]: 24.78	

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

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

7.8 (Gals.) X 3 = 23.4 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
1008	68.4	6.53	482	91	7.8	
1016	69.6	6.59	455	313	15.6	
1011	Well Dewatered @			16.0 gals		
1350	69.4	6.72	530	46.	46	

Did well dewater? (Yes) No Gallons actually evacuated: 16.0

Sampling Date: 3/12/09 Sampling Time: 1350 Depth to Water: 22.59

Sample I.D.: S-14R Laboratory: (CalScience) Columbia Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 090312-JO1	Site: 97093399
Sampler: JO/JP/CM/AC	Date: 3/12/09
Well I.D.: S-17	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 34.38	Depth to Water (DTW): 23.24
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]: 25.47	

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

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

1.8 (Gals.) X 3 = 5.4 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
1033	68.5	8.33	340.3	>1000	1.8	cloudy
1037	70.3	5.38	587.6	>1000	3.6	Cloudy
1041	70.0	5.51	614.1	>1000	5.4	cloudy

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

Sampling Date: 3/12/09 Sampling Time: 1415 Depth to Water: 23.46 (23.46)

Sample I.D.: S-17 Laboratory: (CalScience) Columbia Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 090312-JO1	Site: 97093399
Sampler: JO/JP/CM/AC	Date: 3/12/09
Well I.D.: S-18	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 34.12	Depth to Water (DTW): 22.85
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]: 25.10	

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

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

1.8 (Gals.) X	3	= 5.4 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
1034	68.1	6.28	1337	7/000	1.8	
1036	68.9	6.29	2547	7/000	3.6	
1038	69.2	6.31	2614	7/000	5.4	

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

Sampling Date: 3/12/09 Sampling Time: 1420 Depth to Water: 23.01

Sample I.D.: S-18 Laboratory: (CalScience) Columbia Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 090312-JO1	Site: 97093399
Sampler: JO/JP/CM (AC)	Date: 3/12/09
Well I.D.: S-19	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 34.74	Depth to Water (DTW): 22.44
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]: 24.90	

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

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

8.0 (Gals.) X 3 = 24.0 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
0943	67.2	7.19	22710	415	8	cloudy
0945	68.3	7.10	4631	332	16	"
0947	68.3	7.03	5141	311	24	"

Did well dewater? Yes (No) Gallons actually evacuated: 24

Sampling Date: 3/12/09 Sampling Time: 1340 Depth to Water: 22.50

Sample I.D.: S-19 Laboratory: (CalScience) Columbia Other ____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 090312-JO1	Site: 97093399
Sampler: JO/JP/CM/AC	Date: 3/12/09
Well I.D.: S-20	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 34.67	Depth to Water (DTW): 22.40
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 24.85	

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

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

7.9 (Gals.) X 3 = 23.7 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
1041	68.3	6.58	1991	634	7.9	
1042	68.4	8.13	3018	114	15.8	
1043	68.7	8.09	3094	235	23.7	

Did well dewater? Yes (No) Gallons actually evacuated: 23.7

Sampling Date: 3/12/09 Sampling Time: 1435 Depth to Water: 22.52

Sample I.D.: S-20 Laboratory: (CalScience) Columbia Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 090312-JO1	Site: 97093399
Sampler: JO (JP) CM/AC	Date: 3/12/09
Well I.D.: S-21A	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 26.32	Depth to Water (DTW): 23.35
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]: 26.32	

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

Sampling Method: Bailer / X 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
1035	71.0	5.17	2384	>1000	2.0	
1039	71.4	4.38	2484	>1000	4.0	
1041	71.2	4.58	2496	>1000	6.0	

Did well dewater? Yes (No) Gallons actually evacuated: 6.0

Sampling Date: 3/12/09 Sampling Time: 1435 Depth to Water: 23.52

Sample I.D.: S-21A Laboratory: (CalScience) Columbia Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 090312-JO1	Site: 97093399
Sampler: JO/JP/CM/AC	Date: 3/12/09
Well I.D.: S-21B	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 39.40	Depth to Water (DTW): 23.32
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]: 26.54	

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

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

10.5 / ~~10.45~~ (Gals.) X	3	=	31.5 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
~~1000~~ 1014	69.0	9.87	545.6	862	10.5	cloudy
1020	70.3	11.07	982.1	135	21	clear
1023	70.1	11.14	1051	61	31.5	clear

Did well dewater? Yes (No) Gallons actually evacuated: 31.5

Sampling Date: 3/12/09 Sampling Time: 1401 Depth to Water: 23.45

Sample I.D.: S-21B Laboratory: (CalScience) Columbia Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 090312-JO1	Site: 97093399
Sampler: JO/JP/CM/AC	Date: 3/12/09
Well I.D.: S-22A	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 26.18	Depth to Water (DTW): 22.65
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]: 23.36	

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

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

2.3 (Gals.) X 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
1053	66.4	7.18	5817	154	2.3	
1054	66.8	6.99	5791	94	4.6	
1054	Dewatered @ 5.0 gals					
1440	69.1	5.81	1942	84	—	

Did well dewater? (Yes) No Gallons actually evacuated: 5.0

Sampling Date: 3/12/09 Sampling Time: 1445 Depth to Water: 22.89

Sample I.D.: S-22A Laboratory: (CalScience) Columbia Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 090312-JO1	Site: 97093399
Sampler: JO/JP/CM/AC	Date: 3/12/09
Well I.D.: S-22B	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 30.71	Depth to Water (DTW): 22.86
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]: 24.43	

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

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

5.1 (Gals.) X	3	= 15.3 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
0935	66.9	4.73	17.64	136	5.1	
0936	69.5	5.61	12.60	78	10.2	
0937	70.0	5.58	12.37	102	15.3	

Did well dewater? Yes (No) Gallons actually evacuated: 15.3

Sampling Date: 3/12/09 Sampling Time: 1330 Depth to Water: 23.02

Sample I.D.: S-22B Laboratory: (CalScience) Columbia Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 090312-JO1	Site: 97093399
Sampler: JO/JP/CM/AC	Date: 3/12/09
Well I.D.: S-23	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 34.66	Depth to Water (DTW): 23.03
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 25.34	

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

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

7.5 (Gals.) X 3 = 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
1018	69.2	5.81	1526	249	7.5	
1019	69.7	6.04	758	331	15.0	
1021	70.1	5.98	690	228	22.5	

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

Sampling Date: 3/12/09 Sampling Time: 1410 Depth to Water: 23.22

Sample I.D.: S-23 Laboratory: (CalScience) Columbia Other ___

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

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

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

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

WELL GAUGING DATA

Project # 090409-WM Date 4/9/09 Client Shell

Site 461 8th St., Oakland

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or ~~TOC~~	Notes
S-4	0825	4					21.10	28.70		G.O.
S-5	0850	4					16.31	30.48		Tr.
S-6			Raing Conditions - Not accessed							12A/N Tr
S-8	0806	4					23.10	29.08		
S-9	0811	4					22.12	29.60		
S-10	0800	4					23.26	35.92		G.O.
S-12	0809	4					24.23	34.22		
S-13	0800	4					23.02	32.50		
S-14R	0822	4					22.35	32.48		
S-17	0750	2					23.20	34.36		
S-18	0756	2					22.79	23.25		
S-19	0815	4					22.02	34.42		
S-20	0805	4					22.90	32.45		
S-21A	0811	4					24.00	26.51		
S-21B	0814	4					23.20	39.46		
S-22A	0820	4					22.88	26.40		
S-22B	0818	4					22.62	39.70		

WELL GAUGING DATA

Project # 090409-WG1 Date 4/9/09 Client Shell

Site 4618th St, Oakland

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
S-23	0807	4					22.98	34.57		
OW-1	0748	2					Dry	19.88		

SHEET WELL MONITORING DATA SHEET

BTS #: 090409-WW1	Site: 97093399
Sampler: WW, PC	Date: 4/9/09
Well I.D.: S-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 30.48	Depth to Water (DTW): 16.31
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]: 19.14	

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:

1 Case Volume	Specified Volumes	Calculated Volume
9.2 (Gals.) X	3	= 27.6 Gals.

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
0856	63.9	5.25	852	544	9.2	odor
0857	64.5	5.64	865	>1000	18.4	"
0859	65.4	5.81	872	>1000	27.6	"

Did well dewater? Yes (No) Gallons actually evacuated: 27.6

Sampling Date: 4/9/09 Sampling Time: 0905 Depth to Water: 18.59 (Traffic)

Sample I.D.: S-5 Laboratory: (CalScience) Columbia Other

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

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

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

D.O. (if req'd):	(Pre-purge):	0.3 mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	(Pre-purge):	163 mV	Post-purge:	mV

SHEET WELL MONITORING DATA SHEET

BTS #: 090409-WW1	Site: 97093399
Sampler: WW, PC	Date: 4/9/09
Well I.D.: S-~~8~~6	Well Diameter: 2 3 4 6 8 ____
Total Well Depth (TD): 29.60	Depth to Water (DTW): ~~22.12~~
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, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

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

_____(Gals.) X 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
			Rainy Conditions- No Sitework Performed			

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 4/9/09 Sampling Time: Depth to Water:

Sample I.D.: S-6 Laboratory: (CalScience) Columbia Other_____

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

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

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

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

SHEET WELL MONITORING DATA SHEET

BTS #: 090409-WW1	Site: 97093399
Sampler: WW, PC	Date: 4/9/09
Well I.D.: S-8	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 29.08	Depth to Water (DTW): 23.10
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 18.46	

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

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

6 (Gals.) X	3	=	18 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
0933	70.1	8.97	6594	761	6	
0934	68.7	2.12	66.60	>1000	12	
0935	71.5	2.12	65.96	>1000	18	

Did well dewater? Yes (No) Gallons actually evacuated: 18

Sampling Date: 4/9/09 Sampling Time: 1322 Depth to Water: 23.02

Sample I.D.: S-8 Laboratory: (CalScience) Columbia Other_____

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

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

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

D.O. (if req'd):	Pre-purge:	out of Range mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	594 mV	Post-purge:	mV

SHEET WELL MONITORING DATA SHEET

7.48

BTS #: 090409-WW1	Site: 97093399
Sampler: WW, PC	Date: 4/9/09
Well I.D.: S-9	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 29.60	Depth to Water (DTW): 22.12
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]: 23.61	

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: _____

4.9 (Gals.) X	3	=	15.0 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
0950	67.5	7.3	933	27	5.0	Clear
0951	67.7	6.9	881	15	10.0	Clear
0952	67.9	6.7	915	11	15.0	Clear

Did well dewater? Yes (No) Gallons actually evacuated: 15.0

Sampling Date: 4/9/09 Sampling Time: 1300 Depth to Water: 22.20 (24HR)

Sample I.D.: S-9 Laboratory: (CalScience) Columbia Other_____

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

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

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

D.O. (if req'd):	Pre-purge:	0.65 mg/L	Post-purge:		mg/L
O.R.P. (if req'd):	Pre-purge:	79 mV	Post-purge:		mV

SHEET WELL MONITORING DATA SHEET

BTS #: 090409-WW1	Site: 97093399
Sampler: WW, PC	Date: 4/9/09
Well I.D.: S-12	Well Diameter: 2 3 4 6 8 ____
Total Well Depth (TD): 34.22	Depth to Water (DTW): 24.23
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]: 26.30	

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

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

6.5 (Gals.) X	3	=	19.5 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
0907	64.5	8.78	600.9	593	6.5	
0909	65.9	8.07	510.7	877	13	
0911	66.6	7.70	481.1	898	19	

Did well dewater? Yes (No) Gallons actually evacuated: 20

Sampling Date: 4/9/09 Sampling Time: 1335 Depth to Water: 24.52

Sample I.D.: S-12 Laboratory: (CalScience) Columbia Other_____

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

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

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

D.O. (if req'd):	Pre-purge:	0.50 mg/L	Post-purge:		mg/L
O.R.P. (if req'd):	Pre-purge:	~3 mV	Post-purge:		mV

SHEET WELL MONITORING DATA SHEET

BTS #: 090409-WW1	Site: 97093399
Sampler: WW, PC	Date: 4/9/09
Well I.D.: S - 13	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 32.50	Depth to Water (DTW): 23.02
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]: 24.92	

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: _____

1 Case Volume	Specified Volumes	Calculated Volume
6.2 (Gals.) X	3	= 18.6 Gals.

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
0954	73.6	2.43	20.21	>1000	6	odor
0955	76.0	2.44	20.21	>1000	12	↓
0957	76.9	2.41	20.58	>1000	19	↓

Did well dewater? Yes (No) Gallons actually evacuated: 19

Sampling Date: 4/9/09 Sampling Time: 1310 Depth to Water: 21.66

Sample I.D.: S-13 Laboratory: (CalScience) Columbia Other_____

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

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

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

D.O. (if req'd):	Pre-purge:	25.90 mg/L	Post-purge:		mg/L
O.R.P. (if req'd):	Pre-purge:	433 mV	Post-purge:		mV

SHEET WELL MONITORING DATA SHEET

BTS #: 090409-WW1	Site: 97093399
Sampler: WW, PC	Date: 4/9/09
Well I.D.: S-14R	Well Diameter: 2 3 4 6 8 ___
Total Well Depth (TD): 32.48	Depth to Water (DTW): 22.35
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]: 24.38	

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

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

1 Case Volume	Specified Volumes	Calculated Volume
6.6 (Gals.) X	3 =	19.8 Gals.

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
0945	68.5	5.12	1021	119	6.5	
0946	68.7	5.72	776	65	13	
0947	68.7	5.97	670.5	33	20	

Did well dewater? Yes (No) Gallons actually evacuated: 20

Sampling Date: 4/9/09 Sampling Time: 1320 Depth to Water: 22.50

Sample I.D.: S-14R Laboratory: (CalScience) Columbia Other_____

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

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

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

D.O. (if req'd):	Pre-purge:	(0.30) mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	430 mV	Post-purge:	mV

SHEET WELL MONITORING DATA SHEET

BTS #: 090409-WW1	Site: 97093399
Sampler: WW, PC	Date: 4/9/09
Well I.D.: S - 17	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 34.36	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]: 25.43	

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

Sampling Method: ~~X Bailer~~ (WW) / X Disposable Bailer / Extraction Port / Dedicated Tubing / Other: ____

1.8 (Gals.) X	3	= 5.4 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
0950	65.0	3.16	1112	>1000	1.8	odor
0952	64.3	3.49	1108	>1000	3.6	"
0954	65.2	3.69	1060	>1000	5.4	"

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

Sampling Date: 4/9/09 Sampling Time: 1330 Depth to Water: 23.20

Sample I.D.: S - 17 Laboratory: (CalScience) Columbia Other ____

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

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

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

D.O. (if req'd):	Pre-purge:	0.69 mg/L	Post-purge:		mg/L
O.R.P. (if req'd):	Pre-purge:	409 mV	Post-purge:		mV

SHEET WELL MONITORING DATA SHEET

BTS #: 090409-WW1	Site: 97093399
Sampler: WW, PC	Date: 4/9/09
Well I.D.: S-18	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 23.25	Depth to Water (DTW): 22.79
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, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

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

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

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
*	INSUFFICIENT WATER					
	*	NO SAMPLE				

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 4/9/09 Sampling Time: Depth to Water:

Sample I.D.: S-18 Laboratory: (CalScience) Columbia Other_____

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

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

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

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

SHEET WELL MONITORING DATA SHEET

12-4

BTS #: 090409-WW1	Site: 97093399 TR
Sampler: WW, PC	Date: 4/9/09
Well I.D.: S-19	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 34.42	Depth to Water (DTW): 22.02
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]: 24.5	

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: _____

8 (Gals.) X	3	=	24.0 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
0936	64.6	7.5	2302	118	8.0	clear
0938	68.7	7.3	1682	89	16.0	clear
0940	69.0	7.2	1722	189	24.0	DTW: 24.94

Did well dewater? Yes (No) Gallons actually evacuated: 24.0

Sampling Date: 4/9/09 Sampling Time: 1310 Depth to Water: 22.21

Sample I.D.: S-19 Laboratory: (CalScience) Columbia Other_____

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

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

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

D.O. (if req'd):	Pre-purge:	0.57 mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	106 mV	Post-purge:	mV

SHEET WELL MONITORING DATA SHEET

BTS #: 090409-WW1	Site: 97093399
Sampler: WW, PC	Date: 4/9/09
Well I.D.: S-20	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 32.45	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]: 24.81	

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: _____

6.2 (Gals.) X 3 = 18.6 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
0935	71.3	0.97	51	>1000	6.2	odor
0936	75.5	1.35	26	958	12.4	"
0937	74.9	1.37	21	759	18.6	"

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

Sampling Date: 4/9/09 Sampling Time: 1340 Depth to Water: 22.90

Sample I.D.: S-20 Laboratory: (CalScience) Columbia Other_____

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

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

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

D.O. (if req'd):	Pre-purge:	13.80 mg/L	Post-purge:		mg/L
O.R.P. (if req'd):	Pre-purge:	573 mV	Post-purge:		mV

SHEET WELL MONITORING DATA SHEET

BTS #: 090409-WW1	Site: 97093399
Sampler: WW, PC	Date: 4/9/09
Well I.D.: S-21A	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 26.51	Depth to Water (DTW): 24.00
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]: 24.50	

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: ____

1.6 (Gals.) X	3	=	4.8 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1016	64.1	9.55	6687ms	821	1.5	
1016	64.7	4.33	5237µs	332	3	
1017	64.7	3.99	5366µs	783	4.5	

Did well dewater? Yes (No) Gallons actually evacuated: 5

Sampling Date: 4/9/09 Sampling Time: 1402 Depth to Water: 23.60

Sample I.D.: S-21A Laboratory: (CalScience) Columbia Other ____

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

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

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

D.O. (if req'd):	Pre-purge:	0.91 mg/L	Post-purge:		mg/L
O.R.P. (if req'd):	Pre-purge:	394 mV	Post-purge:		mV

SHEET WELL MONITORING DATA SHEET

BTS #: 090409-WW1	Site: 97093399
Sampler: WW, PC	Date: 4/9/09
Well I.D.: S-21B	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 39.46	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]: 26.45	

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:_____

1 Case Volume	Specified Volumes	Calculated Volume
10.6 (Gals.) X	3	= 31.4 Gals.

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
1008	69.3	5.41	1365	52	11	
1010	69.8	6.48	5824	>1000	22	
1012	68.8	7.07	5926	>1000	32	

Did well dewater? Yes (No) Gallons actually evacuated: 32

Sampling Date: 4/9/09 Sampling Time: 1348 Depth to Water: 23.80

Sample I.D.: S-21B Laboratory: (CalScience) Columbia Other_____

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

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

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

D.O. (if req'd):	Pre-purge:	0.56 mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	453 mV	Post-purge:	mV

SHEET WELL MONITORING DATA SHEET

BTS #: 090409-WW1	Site: 97093399
Sampler: WW, PC	Date: 4/9/09
Well I.D.: S-22A	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 26.40	Depth to Water (DTW): 22.88
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]: 23.58	

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

Sampling Method: ~~Bailer~~ (WW) / (X) Disposable Bailer / Extraction Port / Dedicated Tubing / Other: _____

2.3 (Gals.) X	3	=	6.9 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 (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1010	66.8	1.81	12	>1000	2.3	Odor
1012	69.1	1.84	13	>1000	4.6	"
1014	70.4	1.82	13	>1,000	6.9	"

Did well dewater? Yes (No) Gallons actually evacuated: 6.9

Sampling Date: 4/9/09 Sampling Time: 1258 Depth to Water: 22.75

Sample I.D.: S-22A Laboratory: (CalScience) Columbia Other_____

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

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

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

D.O. (if req'd):	Pre-purge:	8.41 mg/L	Post-purge:		mg/L
O.R.P. (if req'd):	Pre-purge:	556 mV	Post-purge:		mV

SHEET WELL MONITORING DATA SHEET

BTS #: 090409-WW1	Site: 97093399
Sampler: WW, PC	Date: 4/9/09
Well I.D.: S-22B	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 39.70	Depth to Water (DTW): 22.62
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 26.04	

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:_____

1 Case Volume	Specified Volumes	Calculated Volume
11.1 (Gals.) X	3	= 33.3 Gals.

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
0918	69.4	4.20	14.19	57	11	
0920	69.6	3.74	17.69	233	23	
0922	66.9	3.76	17.50	925	33	

Did well dewater? Yes (No) Gallons actually evacuated: 33.5

Sampling Date: 4/9/09 Sampling Time: 1350 Depth to Water: 22.77

Sample I.D.: S-22B Laboratory: (CalScience) Columbia Other_____

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

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

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

D.O. (if req'd):	Pre-purge:	2.24 mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	164 mV	Post-purge:	mV

SHEET WELL MONITORING DATA SHEET

11.59

BTS #: 090409-WW1	Site: 97093399
Sampler: WW, PC	Date: 4/9/09
Well I.D.: S-23	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 34.57	Depth to Water (DTW): 22.98
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]: 25.30	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; ✓Electric Submersible; Waterra; Peristatic; Extraction Pump; Other_____

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

7.5 (Gals.) X	3	=	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
1005	69.4	2.45	23.47	314	7.5	odor
1007	70.4	2.66	18.96	>1000	15.0	
1009	70.3	2.61	18.09	>1000	22.5	DTW = 31.65

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

Sampling Date: 4/9/09 Sampling Time: 1245 Depth to Water: 23.31

Sample I.D.: S-23 Laboratory: (CalScience) Columbia Other_____

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

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

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

D.O. (if req'd):	Pre-purge:	1.24 mg/L	Post-purge:	~~1.24~~ (mg/L)
O.R.P. (if req'd):	Pre-purge:	567 mV	Post-purge:	mV

SHEET WELL MONITORING DATA SHEET

BTS #: 090409-WW1	Site: 97093399
Sampler: WW, PC	Date: 4/9/09
Well I.D.: ~~MW~~ DW-1	Well Diameter: 2 3 4 6 8 ____
Total Well Depth (TD): 19.88	Depth to Water (DTW): DRY
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, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

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

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

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
*	NO	SAMPLE				
		*	well Dry			

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 4/9/09 Sampling Time: Depth to Water:

Sample I.D.: DW-1 Laboratory: (CalScience) Columbia Other_____

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

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

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

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

WELL GAUGING DATA

Project # 090421-4C Date 4/21/09 Client Shell

Site 461 8th St. 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-6	1330	4					20.20	34.99	↓	

SHEET WELL MONITORING DATA SHEET

BTS #: 090421-AC	Site: 461 8th St. Oakland, CA
Sampler: AC	Date: 4/21/09
Well I.D.: S-6	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 34.99	Depth to Water (DTW): 20.20
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]: 23.15	

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: _____

9.6 (Gals.) X	3	= 28.8 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1332	72.9	6.5	806.5	55	9.6	clear
1347	71.0	6.8	742.2	63	19.2	clear
1408	71.6	6.8	710.9	44	28.8	~~clear~~ clear

Did well dewater? Yes (No) Gallons actually evacuated: 28.8

Sampling Date: 4/21/09 Sampling Time: 1413 Depth to Water: 20.21

Sample I.D.: S-6 Laboratory: (CalScience) Columbia Other_____

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

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

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

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

WELL GAUGING DATA

Project # 090518-RM1 Date 5/18/09 Client SHELL

Site 461 8th St. Oakland

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or (TOC)	Notes
S-9	0930	4					22.09	29.59		6
S-13	0934	4					23.07	32.53		9
S-14R	0940	4					22.20	31.56		8
S-17	0945	2					23.21	34.80		14
S-18	0950	2					22.81	33.76		16
S-19	0955	4					22.04	34.50		7
S-20	0927	4					22.42	32.45		13
S-21A	0931	4					23.46	26.49		18
S-21B	0955	4					23.24	39.45		11
S-22A	0934	4					22.83	26.42		17
S-22B	0939	4					22.62	39.69		4
S-23	0942	4					23.18	34.56		10
OW-1	0951	2					DM	19.68	V	

SHELL WELL MONITORING DATA SHEET

BTS #: 090518-RM1	Site: 461 8th St. Oakland
Sampler: ~~JC~~ CM	Date: 5/18/09
Well I.D.: S-9	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 29.59	Depth to Water (DTW): 22.09
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]: 23.59	

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: _____

1.5

4.8 (Gals.) X 3 = 14.4 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
1024	68.9	6.51	1021	23	4.8	odor
1025	68.6	6.49	1007	36	9.6	"
1026	68.4	6.53	962	28	14.4	"

Did well dewater? Yes (No) Gallons actually evacuated: 14.4

Sampling Date: 5/18/09 Sampling Time: 1340 Depth to Water: 23.48

Sample I.D.: S-9 Laboratory: (CalScience) Columbia Other_____

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

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

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

D.O. (if req'd):	Pre-purge: 2.71 mg/L		Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge: 173 mV		Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 090518-RM1	Site: 4618 8th St, Oakland
Sampler: CM	Date: 5/18/09
Well I.D.: S-13	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 32.53	Depth to Water (DTW): 23.07
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]: 24.96	

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: ___

9.46

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	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1126	70.8	4.08	3529	652	6.1	
1127	71.1	3.48	4833	21000	12.2	
1128	71.5	3.17	5838	71000	18.3	
1129	71.4	3.12	6130	71000	24.4	

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

Sampling Date: 5/18/09 Sampling Time: 1440 Depth to Water: 23.20

Sample I.D.: S-13 Laboratory: (CalScience) Columbia Other ___

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: 8265 COC

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

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

D.O. (if req'd):	(Pre-purge):	5.21 mg/L	Post-purge:		mg/L
O.R.P. (if req'd):	(Pre-purge):	83 mV	Post-purge:		mV

SHEL. .VELL MONITORING DATA .IEET

BTS #: 090518-RM1	Site: 461 8th St, Oakland
Sampler: CM	Date: 5/18/09
Well I.D.: S-14R	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 34.36	Depth to Water (DTW): 22.20
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]: 24.63	

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: _____

12.16

8.0 (Gals.) X 3 = 24.0 Gals.
1 Case Volume / Specified Volumes / Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1104	69.3	7.07	458	85	8.0	
1105	69.6	6.94	445	265	16.0	
1106	69.2	7.02	413	785	24.0	cloudy

Did well dewater? Yes (No) Gallons actually evacuated: 24.0

Sampling Date: 5/18/09 Sampling Time: 1420 Depth to Water: 22.45

Sample I.D.: S-14R Laboratory: (CalScience) Columbia Other_____

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

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

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

D.O. (if req'd):	(Pre-purge):	5.63 mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	(Pre-purge):	93 mV	Post-purge:	mV

SHEET WELL MONITORING DATA SHEET

BTS #: 090518-RM1	Site: 461 8th St, Oakland
Sampler: CM	Date: 5/18/09
Well I.D.: S-17	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 34.30	Depth to Water (DTW): 23.21
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]: 25.42	

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: _____

11.09

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	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1147	71.1	6.11	321	>1000	1.7	
1151	71.0	6.18	397	>1000	3.4	
1155	71.3	6.23	422	>1000	5.1	

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

Sampling Date: 5/18/09 Sampling Time: 1500 Depth to Water: 23.45

Sample I.D.: S-17 Laboratory: (CalScience) Columbia Other_____

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

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

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

D.O. (if req'd):	Pre-purge:	5.93 mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	~~447~~ 442 mV	Post-purge:	mV

SHEET WELL MONITORING DATA SHEET

BTS #: 090518-RM1	Site: 461 8th St Oakland
Sampler: CM	Date: 5/18/09
Well I.D.: S-18	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 33.76	Depth to Water (DTW): 22.81
Depth to Free Product: ~~3~~	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]: 25.06	

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: _____

10.16

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
1205	70.4	3.25	4119	21000	1.7	
1208	70.6	3.18	5145	21000	3.4	
1212	71.1	3.15	5902	21000	5.1	

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

Sampling Date: 5/18/09 Sampling Time: 1515 Depth to Water: 23.00

Sample I.D.: S18 Laboratory: (CalScience) Columbia Other_____

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

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

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

D.O. (if req'd):	Pre-purge:	6.51 mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	377 mV	Post-purge:	mV

SHEL /ELL MONITORING DATA .IEET

BTS #: 090518-RM1	Site: 461 8th St, Oakland
Sampler: CM	Date: 5/18/09
Well I.D.: S-19	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 34.50	Depth to Water (DTW): 22.04
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]: 29.53	

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

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

12.46

8.0 (Gals.) X 3 = 24.0 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
1043	69.1	7.02	698	70	8.0	
1044	69.3	7.21	678	438	16.0	
1045	69.5	7.23	634	132	24.0	

Did well dewater? Yes (No) Gallons actually evacuated: 24.0

Sampling Date: 5/18/09 Sampling Time: 1400 Depth to Water: 22.25

Sample I.D.: S-19 Laboratory: (CalScience) Columbia Other_____

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

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

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

D.O. (if req'd):	Pre-purge:	6.47	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	75	mV	Post-purge:	mV

SHEI WELL MONITORING DATA HEET

BTS #: 090518-RM1	Site: 4461 8th St. Oakland
Sampler: C.M	Date: 5/18/09
Well I.D.: S-20	Well Diameter: 2 3 4 6 8 ____
Total Well Depth (TD): 32.45	Depth to Water (DTW): 22.42
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]: 24.42	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, ~~Electric~~ Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: ~~Bailer~~, Disposable Bailer, Extraction Port, Dedicated Tubing, Other: _____

6.6 (Gals.) X 3 = 19.8 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1122	69.9	3.61*	6726	384	6.6	
1123	70.4	3.44	7716	288	13.2	
1124	70.2	3.35	10.18 ms	151	19.8	
1125	70.3	3.34	10.15 ms	188	26.4	

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

Sampling Date: 5/18/09 Sampling Time: 1415 Depth to Water: 22.71

Sample I.D.: S-20 Laboratory: (CalScience) Columbia Other_____

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

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

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

D.O. (if req'd):	Pre-purge	4.58 mg/L	Post-purge:		mg/L
O.R.P. (if req'd):	Pre-purge:	197 mV	Post-purge:		mV

* double checked w/ pH solutions

SHELL WELL MONITORING DATA SHEET

BTS #: 090518-RM1	Site: 461 8th St. Oakland
Sampler: R.M.	Date: 5/18/09
Well I.D.: S-21A	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 26.49	Depth to Water (DTW): 23.46
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]: 24.06	

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: _____

2.0 (Gals.) X 3 = 6 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1159	68.7	3.27*	4794	>1000	2.0	cloudy dark
1201	67.5	3.28	4744	>1000	4.0	" "
1204	69.6	3.34	4636	>1000	6.0	" "

Did well dewater? Yes (No) Gallons actually evacuated: 6.0

Sampling Date: 5/18/09 Sampling Time: 1445 Depth to Water: 23.59

Sample I.D.: S-21A Laboratory: (CalScience) Columbia Other_____

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

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

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

D.O. (if req'd):	Pre-purge:	2.37 mg/L	Post-purge:		mg/L
O.R.P. (if req'd):	Pre-purge:	5.29 mV	Post-purge:		mV

* Double checked pH w/ solutions.

SHEI WELL MONITORING DATA HEET

BTS #: 090518-RM1	Site: 461 8th St. Oakland
Sampler: R.M.	Date:
Well I.D.: S-21B	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 39.45	Depth to Water (DTW): 23.24
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]: 26.48	

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: _____

10.5 (Gals.) X 3 = 31.5 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1102	71.0	7.16	503.9	140	10.5	
1104	71.1	9.05*	563.2	71000	21.0	
1106	71.6	9.58*	539.6	371	31.5	

Did well dewater? Yes (No) Gallons actually evacuated: 31.5

Sampling Date: 5/18/09 Sampling Time: 1400 Depth to Water: 23.44

Sample I.D.: S-21B Laboratory: (CalScience) Columbia Other_____

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

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

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

D.O. (if req'd):	Pre-purge:	1.62 mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	458 mV	Post-purge:	mV

* Double checked pH w/ solutions

SHEI WELL MONITORING DATA HEET

BTS #: 060518-RM	Site: 461 8th St. Oakland
Sampler: RM	Date: 5/18/09
Well I.D.: S-22A	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 26.47	Depth to Water (DTW): 22.83
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]: 23.54	

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: ____

2.4 (Gals.) X	3	=	7.2 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1142	67.7	3.41*	11.55	379	2.4	
1143	69.3	3.52	9447 µS	714	4.8	
1144	69.7	3.47	9528 µS	7000	7.2	cloudy

Did well dewater? Yes (No) Gallons actually evacuated: 7.2

Sampling Date: 5/18/09 Sampling Time: 1425 Depth to Water: 23.12

Sample I.D.: S-22A Laboratory: (CalScience) Columbia Other____

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

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

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

D.O. (if req'd):	Pre-purge:	2.46 mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	539 mV	Post-purge:	mV

* Double checked alternate w/ pH Solutions.

SHELL WELL MONITORING DATA SHEET

BTS #: 070518-RM1	Site: 461 8th St. Oakland
Sampler: RM	Date: 5/18/09
Well I.D.: S-22S	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 39.69	Depth to Water (DTW): 22.62
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 26.05	

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: _____

11.1 (Gals.) X	3	=	33.3 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 (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1020	71.4	5.43	7312	63.7	11.1	odor
1022	70.1	4.41*	12.23 ms	147	22.2	clear
1024	70.6	4.37	12.28 ms	94.5	33.3	clear

Did well dewater? Yes (No) Gallons actually evacuated: 33.3

Sampling Date: 5/18/09 Sampling Time: 1330 Depth to Water: 22.93

Sample I.D.: S-22S Laboratory: (CalScience) Columbia Other_____

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

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

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

D.O. (if req'd):	Pre-purge:	1.42	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	-171	mV	Post-purge:	mV

* Double check pH with another set of pH solutions

10

SHELL WELL MONITORING DATA SHEET

BTS #: 090518-RM1	Site: 461 8th St. Oakland
Sampler: RM	Date: 5/18/09
Well I.D.: S-23	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 34.56	Depth to Water (DTW): 23.18
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]: 25.45	

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: ____

7.4 (Gals.) X	3	=	22.2 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
1044	70.7	4.43	2413	457	7.4	
1045	70.7	3.49	2069	752	14.8	
1046	71.1	3.45	2012	784	22.2	

Did well dewater? Yes (No) Gallons actually evacuated: 22.2

Sampling Date: 5/18/09 Sampling Time: 1350 Depth to Water: 23.52

Sample I.D.: S-23 Laboratory: (CalScience) Columbia Other____

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

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

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

D.O. (if req'd):	Pre-purge:	19.77	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	503	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 090518-RM1	Site: 461 8th St. Oakland
Sampler: R.M	Date: 5/18/09
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 19.68	Depth to Water (DTW): DRY
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, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other ____

Sampling Method: Bailer, Disposable Bailer, Extraction Port, Dedicated Tubing, Other: ____

____ (Gals.) X ____ = ____ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
	WELL DRY					

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

Sample I.D.: Laboratory: CalScience Columbia Other____

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

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

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

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

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 461 8th St. Oakland Date 3/12/09

Job Number 090312-J01 Technician JO, JP, CM, AR 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-8		X	X					X	Bad seal, loose box
S-9	X	X							
S-10	X	X							
S-12		X						X	NO tag
S-13		X						X	NO tag
S-14R	X	X							
S-17	X	X							
S-18		X						X	NO tag
S-19	X	X						X	NO tag
S-20	X	X						X	NO tag
S-21A		X						X	NO tag
S-21B		X						X	NO tag
S-22A		X						X	NO tag
S-22B		X						X	NO tag
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:

SHELL WELLHEAD INSPECTION FORM
(FOR SAMPLE TECHNICIAN)

Site Address 461 8th St, Oakland

Job Number 090409-WW1 Technician D. Cornish, W. Wong Date 4/9/09

Page 1 of 2

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	1/2 tabs stripped
S-5	X	X						X	
S-6						X			Inside Storm Drain - Heavy lid - No ta
S-8	X	X							Traffic well - Rainy conditions
S-9	X	X						X	Minor Apron Damage
S-10	X	X			X				
S-12	X						X		
S-13	X								NO TAG Minor Apron Damage
S-14R	X								" "
S-17	X	TNW X							" "
S-18	X								NO TAG
S-19	X								" "
S-20	X								" "
S-21A	X								No tag
S-21B	X								No TAG
S-22A	X								" "
S-22B	X								No tag
									" "

*ll 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
NITORING WELL" (12"or less) 3) WELL TAG IS PRESENT, SECURE, AND CORRECT

tes:

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 4618th St, Oakland Date 4/9/09

Job Number 090409-WW1 Technician W. Wong, D. Lorusso Page 2 of 2

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-23	X								NO TAG
OW-1	X								NO TAG

*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 St. Oakland, CA Date 4/21/09

Job Number 090421-AC1 Technician AC 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-6	✓								NO TAG

*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 St. Oakland Date 5/18/09

Job Number 090518-RM1 Technician R. McCamy 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-9	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							
OW-1	X	X							

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

Notes: