CONESTOGA-ROVERS & ASSOCIATES

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

TRANSMITTAL

DATE: March 15, 2010

REFERENCE NO.: 241501

PROJECT NAME: 461 8th Street, Oakland

TO: Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

RECEIVED
8:42 am, Mar 16, 2010
Alameda County
Environmental Health

Please find enclosed:
- ☐ Draft
- ☐ Originals
- ☐ Prints
- ☒ Final
- ☐ Other

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

QUANTITY	DESCRIPTION
1	Groundwater Monitoring and Remediation Report – First Quarter 2010

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

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

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
Leah Goldberg, Meyers Nave, 555 12th Street, Suite 1500, Oakland, CA 94607
Grover Buhr, Treadwell & Rollo *(electronic copy only)*

Completed by: Peter Schaefer Signed: Peter Schaefer

Filing: **Correspondence File**

Denis L. Brown
Shell Oil Products US
HSE – Environmental Services
20945 S. Wilmington Ave.
Carson, CA 90810-1039
Tel (707) 865 0251
Fax (707) 865 2542
Email denis.l.brown@shell.com

Mr. Jerry Wickham
Alameda County Environmental Health
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
ACEH 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 AND REMEDIATION REPORT - FIRST QUARTER 2010

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

MARCH 15, 2010
REF. NO. 241501 (15)
This report is printed on recycled paper.

TABLE OF CONTENTS

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).

1.1 SITE INFORMATION

Site Address	461 8th Street, Oakland
Site Use	Parking lot
Shell Project Manager	Denis Brown
CRA Project Manager	Peter Schaefer
Lead Agency and Contact	ACEH, Jerry Wickham
Agency Case No.	RO0000343
Shell SAP Code:	129453
Shell Incident No.	97093399

Date of most recent agency correspondence was February 9, 2010.

2.0 SITE ACTIVITIES, FINDINGS, AND DISCUSSION

2.1 CURRENT QUARTER'S ACTIVITIES

On November 9, 2009 and December 1, 2009, Blaine Tech Services, Inc. (Blaine) gauged and sampled in-situ chemical oxidation (ISCO) injection wells S-13, S-18, S-20, S-21A, S-22A, and S-23 and monitoring wells S-9, S-14R, S-17, and S-19 for the following parameters:

- Total petroleum hydrocarbons as gasoline (TPHg), and benzene, ethylbenzene, toluene, and xylenes (BTEX) (EPA Method 8260B), and
- Dissolved oxygen (DO) (field instrument).

In addition, wells S-9, S-13, S-18, S-20, S-21A, S-22A, and S-23 were analyzed for sulfate (EPA Method 300.0).

During the December 1, 2009 event, Blaine measured samples from injection wells S-13, S-18, S-20, S-21A, S-22A, and S-23 and monitoring wells S-9, S-14R, S-17, and S-19 for oxygen reduction potential (ORP).

On January 28, 2010, Blaine gauged and sampled site wells according to the modified groundwater monitoring program for this site. All groundwater samples were analyzed for the following parameters:

- TPHg and BTEX (EPA Method 8260B) and
- DO (field instrument).

In addition, wells S-9, S-13, S-18, S-20, S-21A, S-22A, and S-23 were analyzed for sulfate (EPA Method 300.0).

CRA prepared a vicinity map (Figure 1) and a groundwater contour and chemical concentration map (Figure 2) presenting data from the January 2010 event. The Blaine report, presenting the analytical data for all three events, is included in Appendix A.

CRA submitted a report describing the August 2009 ISCO injection pilot test event to Alameda County Environmental Health (ACEH) on November 30, 2009.

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	South to southwesterly
Hydraulic Gradient	0.01
Depth to Water	16.35 to 24.28 feet below top of well casing

2.3 PROPOSED ACTIVITIES

Blaine will gauge and sample wells quarterly according to the modified groundwater monitoring program.

CRA will submit a work plan for additional ISCO injection as detailed below. The next round of ISCO injection is tentatively planned for April 2010.

Per ACEH's February 9, 2010 letter, CRA will investigate potential discharges to the San Francisco Bay Area Rapid Transit (BART) tunnel and conduct a survey of potential down-gradient receptors. CRA will provide ACEH with a report detailing the results of these activities by March 30, 2010.

3.0 ISCO INJECTION EVALUATION AND PROPOSAL

3.1 GROUNDWATER DATA REVIEW

ACEH's February 9, 2010 letter requested a review of petroleum hydrocarbon concentrations, DO, and ORP to identify wells or areas of the site where additional ISCO injections would be beneficial.

3.1.1 PETROLEUM HYDROCARBONS

As shown in Figures 3 through 12, in general dissolved TPHg and benzene trends were initially downward following the August 2009 ISCO injection event, but have rebounded. Groundwater concentrations from well S-21A, located immediately down gradient of the 2008 excavation, have rebounded to approximately two-thirds of the TPHg and benzene concentrations before the ISCO injection pilot tests were initiated (Figure 10 and Appendix A). A possible interim result of ISCO is that the injected ISCO chemicals oxidize petroleum hydrocarbons in soil and groundwater, and as the chemical oxidation reaction diminishes, the desorbed petroleum hydrocarbons in soils leach into groundwater, temporarily resulting in increased concentrations. Additional ISCO may then reduce these concentrations in groundwater.

3.1.2 DO

During the January 2010 groundwater sampling event, DO measurements in the ISCO injection area averaged 2.24 milligrams per liter (mg/l) (range: 1.40 to 4.40 mg/l) in contrast with the November 2008 pre-ISCO DO average of 1.31 mg/l (range: 0.2 to 3.6 mg/l). The highest DO readings have been directly following ISCO injections (up to 25.9 mg/l in S-13 on April 9, 2009). Since the January 2010 readings were collected almost 5 months after the August 2009 injection event, they indicate that the ISCO injections have been effective at raising DO concentrations over the longer term, which will likely enhance biodegradation. Additional ISCO may further enhance this effect.

3.1.3 ORP

During the December 2009 groundwater sampling event, ORP measurements in the ISCO injection area ranged from 231 to 472 millivolts, in contrast with 110 to 161 millivolts in untreated perimeter wells S-9, S-14R, and S-19, indicating that there is good distribution of ISCO chemicals in the injection area for several months following an injection event.

3.2 PROPOSED ADDITIONAL ISCO INJECTION

Based on the groundwater data discussed above, Shell proposes to conduct another round of ISCO injections into wells S-20, S-21A, S-22A, and S-23, and into the three ISCO injection gallery points installed in the 2008 excavation. The selected wells and injection points are tentatively chosen and may be revised based on further evaluation. The proposed injection will focus on the likely remaining petroleum hydrocarbon source in soils and the center of the current on-site groundwater plume. CRA will provide ACEH with a work plan detailing injection dosages, groundwater and air monitoring, and the injection schedule. The injection event is tentatively scheduled for April 2010.

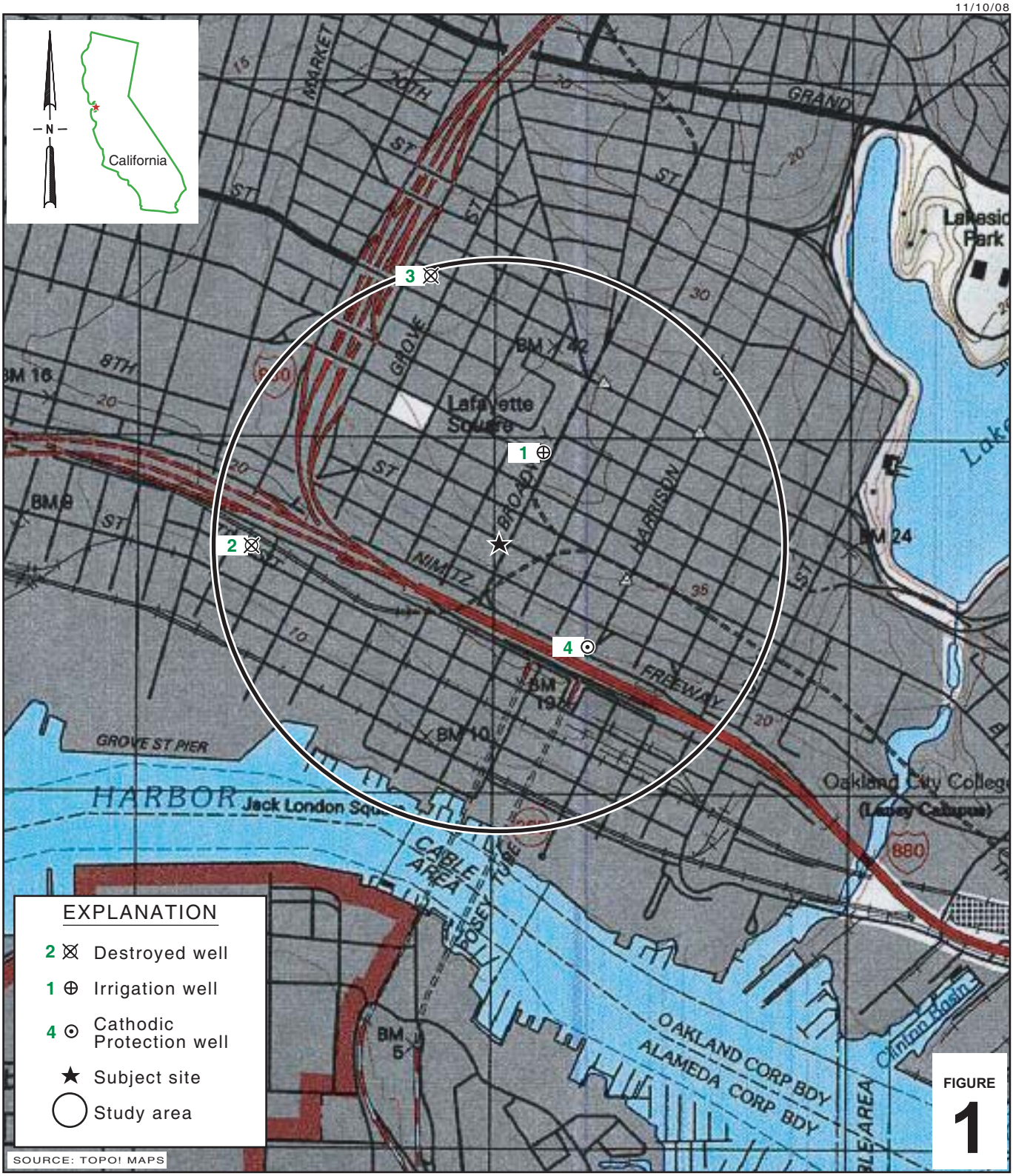
All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

Peter Schaefer, CEG, CHG

Aubrey K. Cool, PG

FIGURES

11/10/08



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

0 1/8 1/4 1/2 1

SCALE (MILES)

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

03/05/10

Groundwater Contour and Chemical Concentration Map

January 28, 2010

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
- IP-1 — Injection point
- Storm drain line (STM)
- Water line (W)
- Sanitary sewer line (SAN)
- Telecommunications line (T)
- Gas line (G)
- Electrical line (E)
- Former product piping line (P)
- M.H. — Manhole
- C.B. — Catch basin
- FL = 16.50' — Flow line depth below ground surface
- x.xx — Groundwater flow direction and gradient
- XX.XX — Groundwater elevation contour, in feet above mean sea level (msl)

Well
ELEV
TPHg
Benzene

- Well designation
- Groundwater elevation, in feet above msl
- TPHg and benzene concentrations are in micrograms per liter

Notes:
ND = Not detected

8TH STREET

7TH STREET

BROADWAY

Building

Building

Former Shell Station
461 8th St.

Former USTs

Former Dispenser Island (typ.)

Excavation Area

Driveway

Freight Elevator

Well	ELEV	TPHg	Benzene
S-1			
S-10	13.05	100	ND
S-23	12.50	3,000	100
S-22A	12.14	44,000	3,600
S-22B*	12.51	ND	ND
S-8	13.03	ND	ND
S-21A	12.26	65,000	3,900
S-21B*	12.46	810	11
S-12	12.16	110	14
S-16			
IP-1			
S-15			
IP-2			
IP-3			
AS-1			
S-14			
OW-1			
S-17	12.29	3,500	260
S-14R	12.57	270	45
S-13	12.11	5,900	370
S-18	12.17	1,200	170
S-20	11.99	20,000	2,000
S-9	11.99	860	130
S-19	12.28	2,600	230
S-4	12.66	ND	ND
S-5	10.89	35,000	1,200
S-6	10.20	8,700	2,600

13.00

12.00

11.00

11.00

12.00

0 20 40 80
Scale (ft)

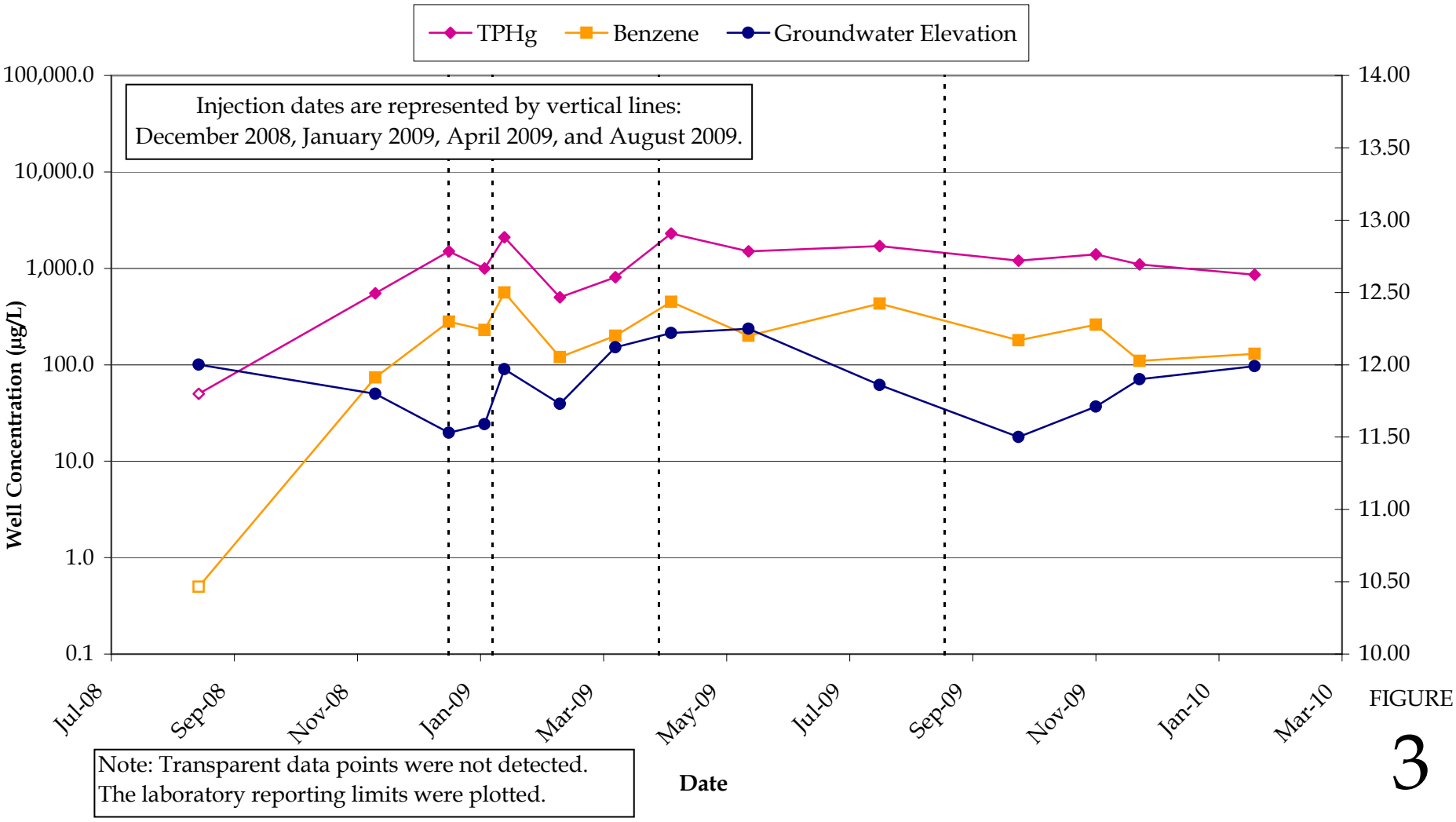
FIGURE
2

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

I:\Shell\6-chars\2415--\241501-Oakland 461 8th St\241501-REPORTS\241501-RPT15-1Q10\241501 1QM10-GW.DWG

Base map modified from Virgil Chavez Land Survey map.



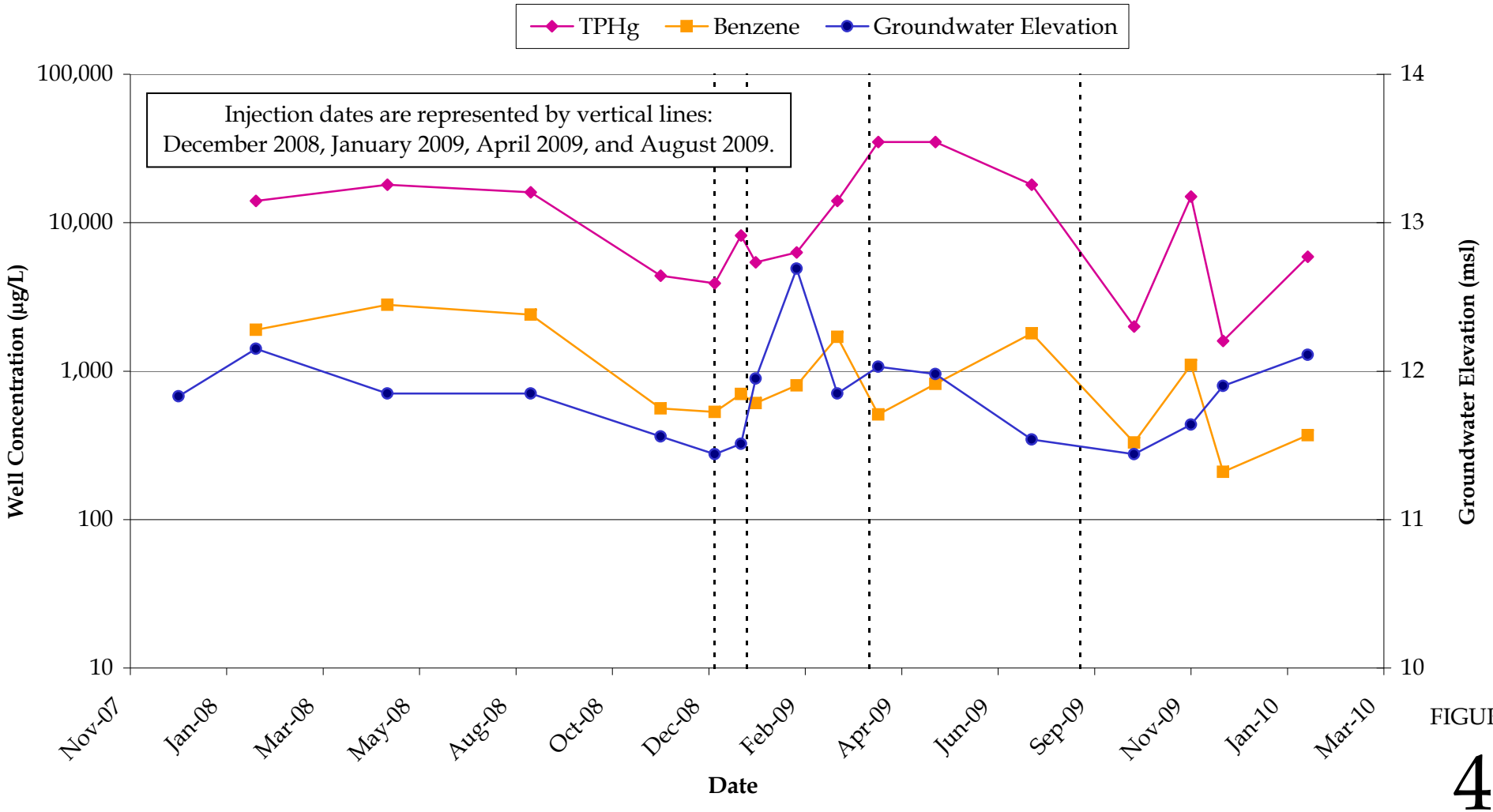
FIGURE

3

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

S-9 TPHg and Benzene Groundwater Concentrations and Groundwater Elevation versus Time



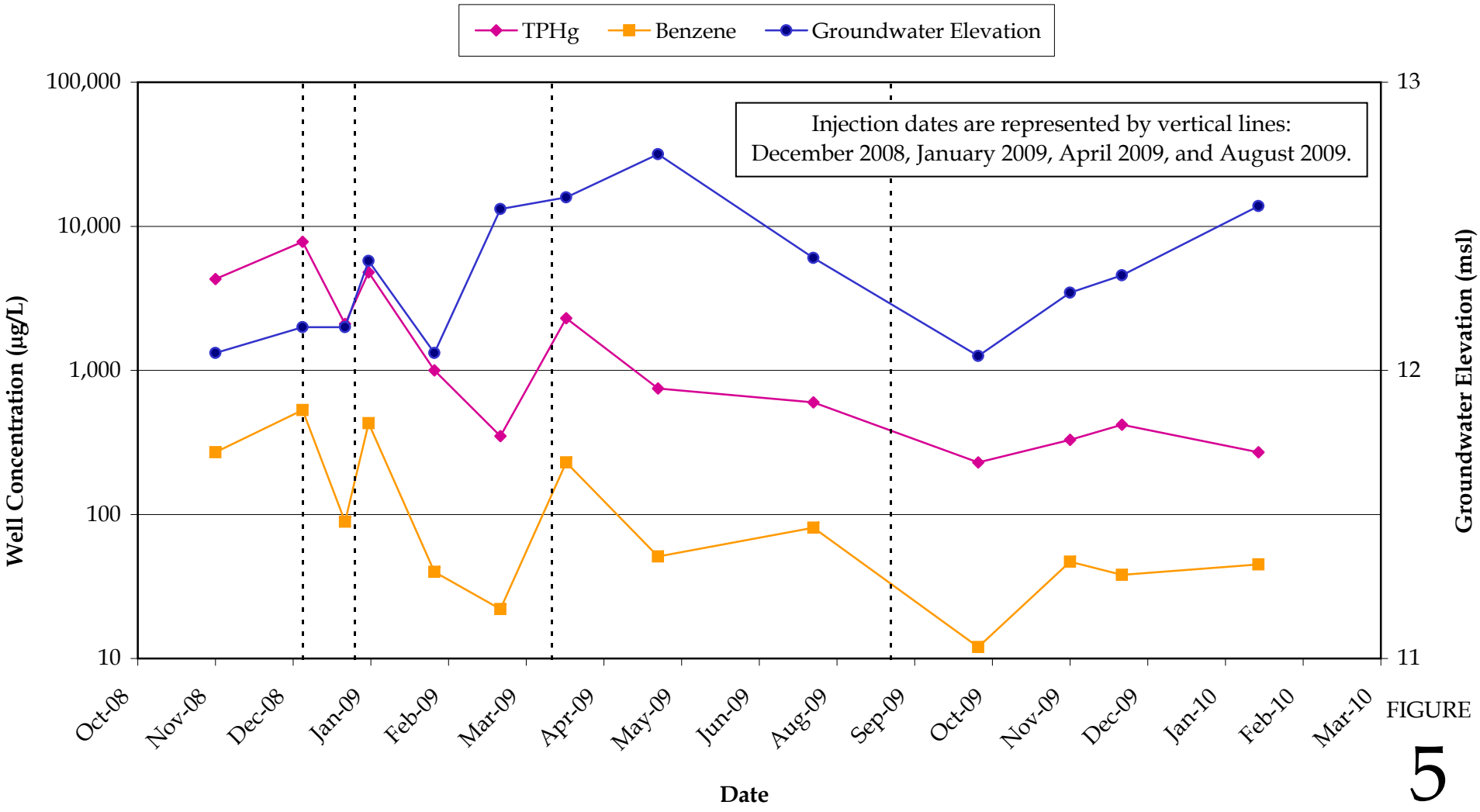
FIGURE

4

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

S-13 TPHg and Benzene Groundwater Concentrations and Groundwater Elevation versus Time



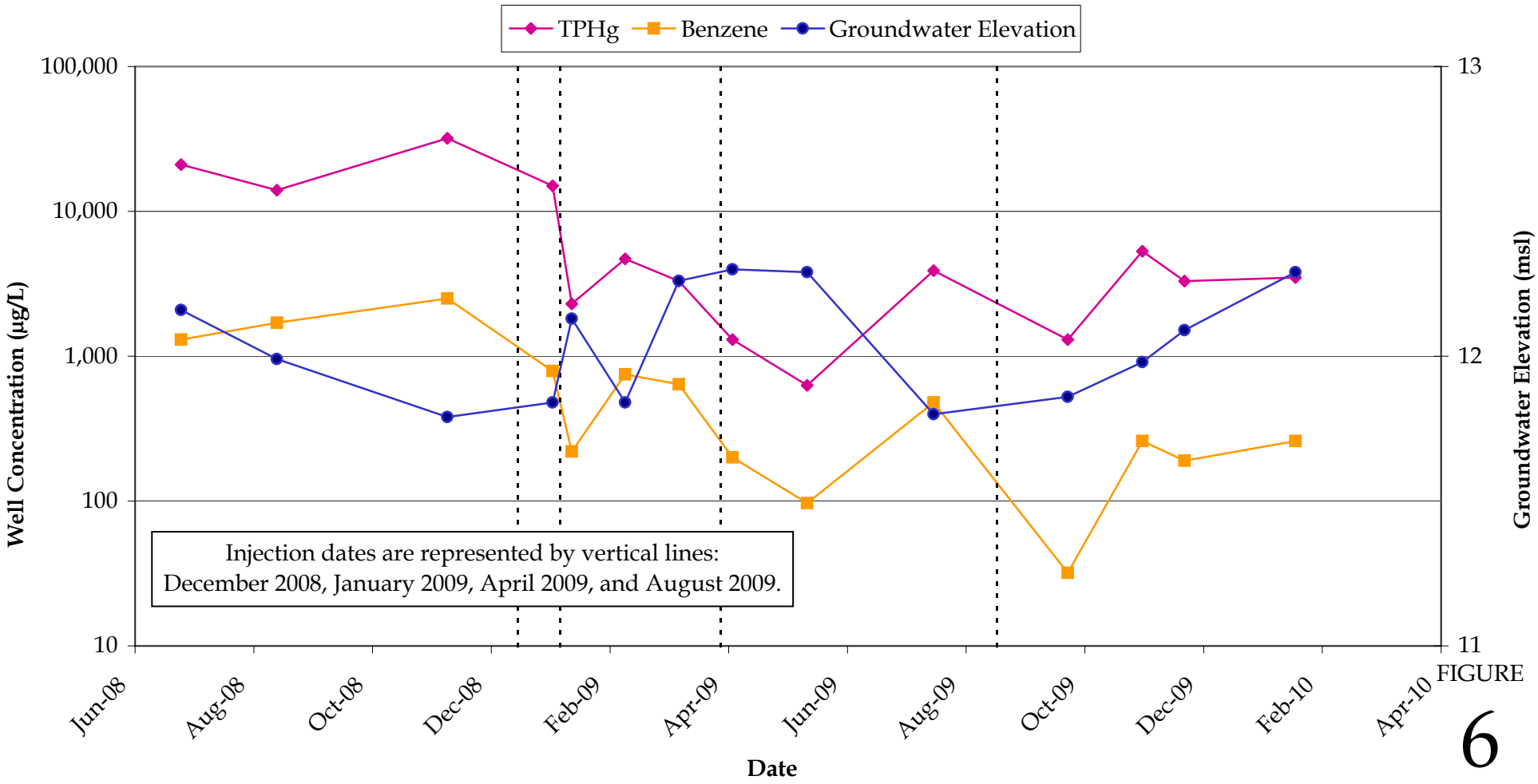
FIGURE

5

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

S-14R TPHg and Benzene Groundwater Concentrations and Groundwater Elevation versus Time



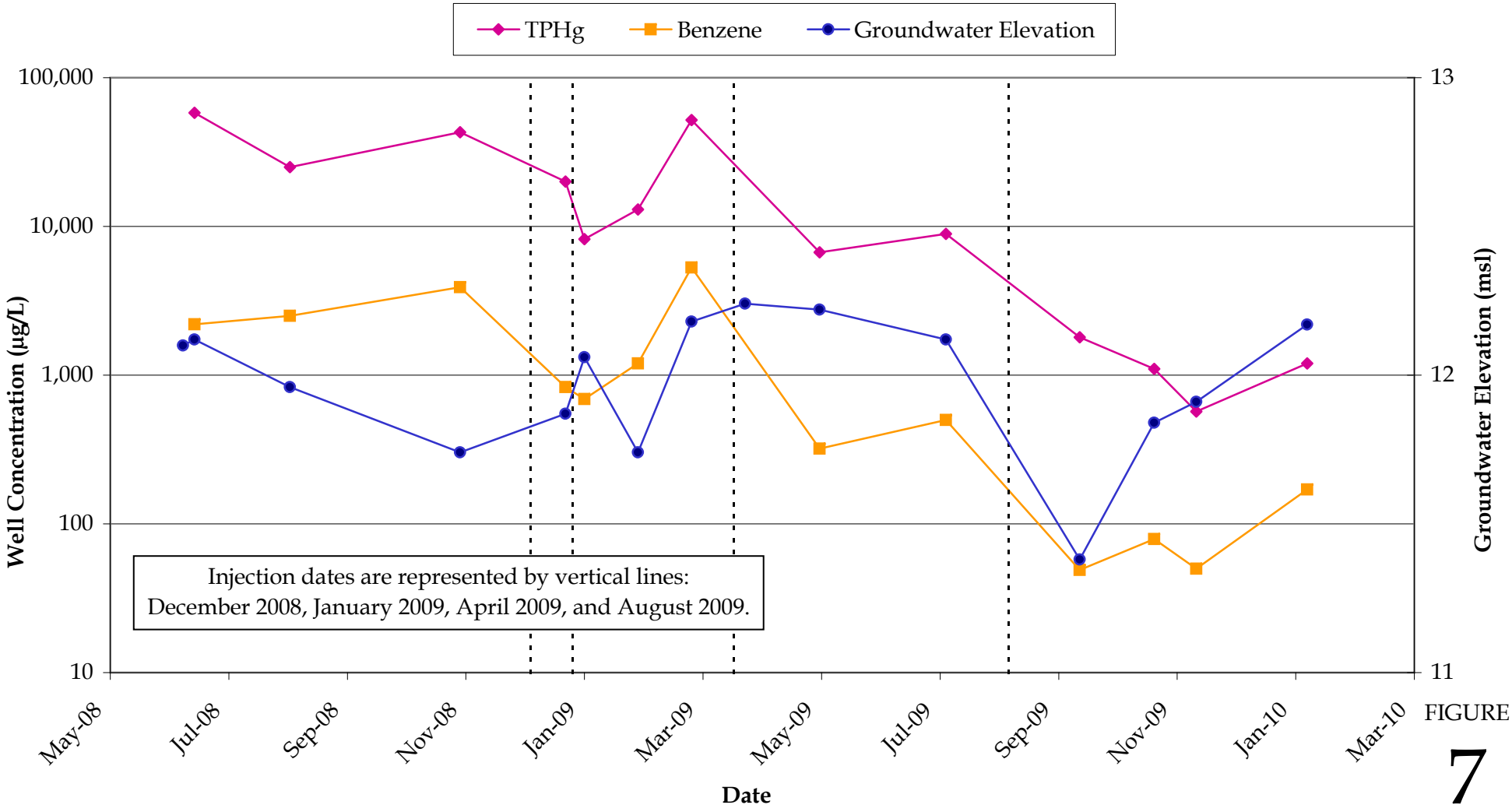
FIGURE

6

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

S-17 TPHg and Benzene Groundwater Concentrations and Groundwater Elevation versus Time



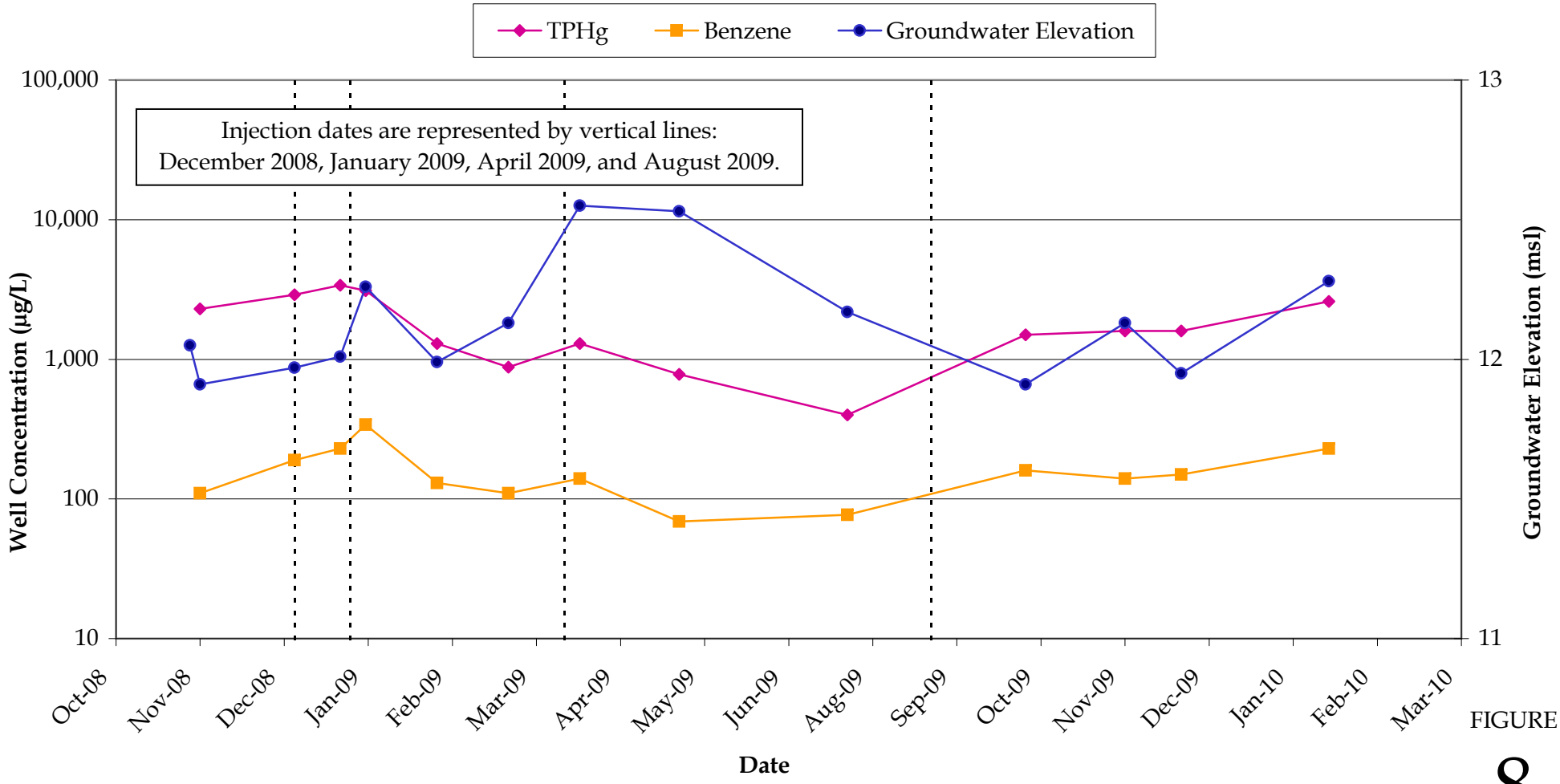
FIGURE

7

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

S-18 TPHg and Benzene Groundwater Concentrations and Groundwater Elevation versus Time



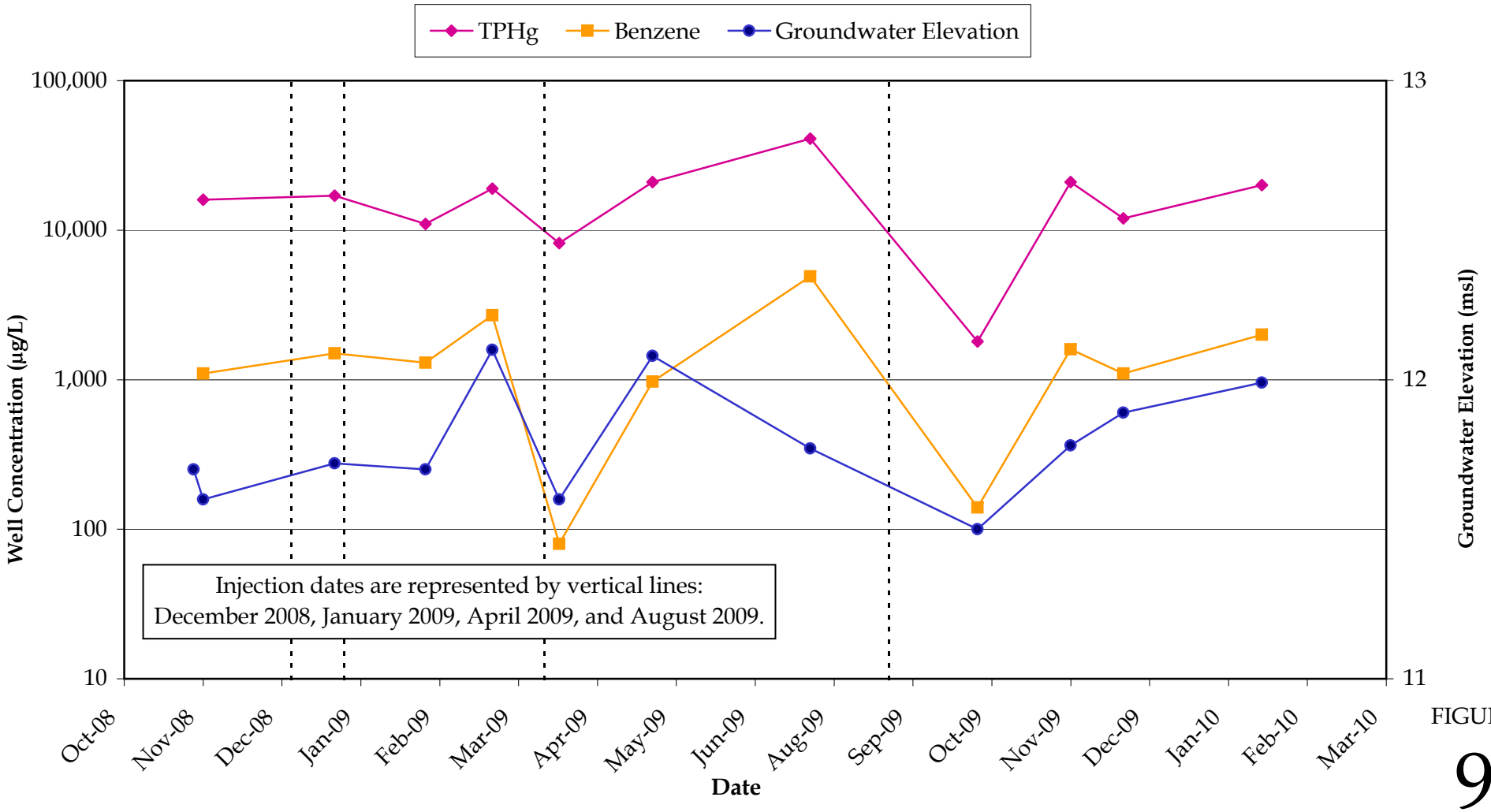
FIGURE

8

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

S-19 TPHg and Benzene Groundwater Concentrations and Groundwater Elevation versus Time



FIGURE

9

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

S-20 TPHg and Benzene Groundwater Concentrations and Groundwater Elevation versus Time

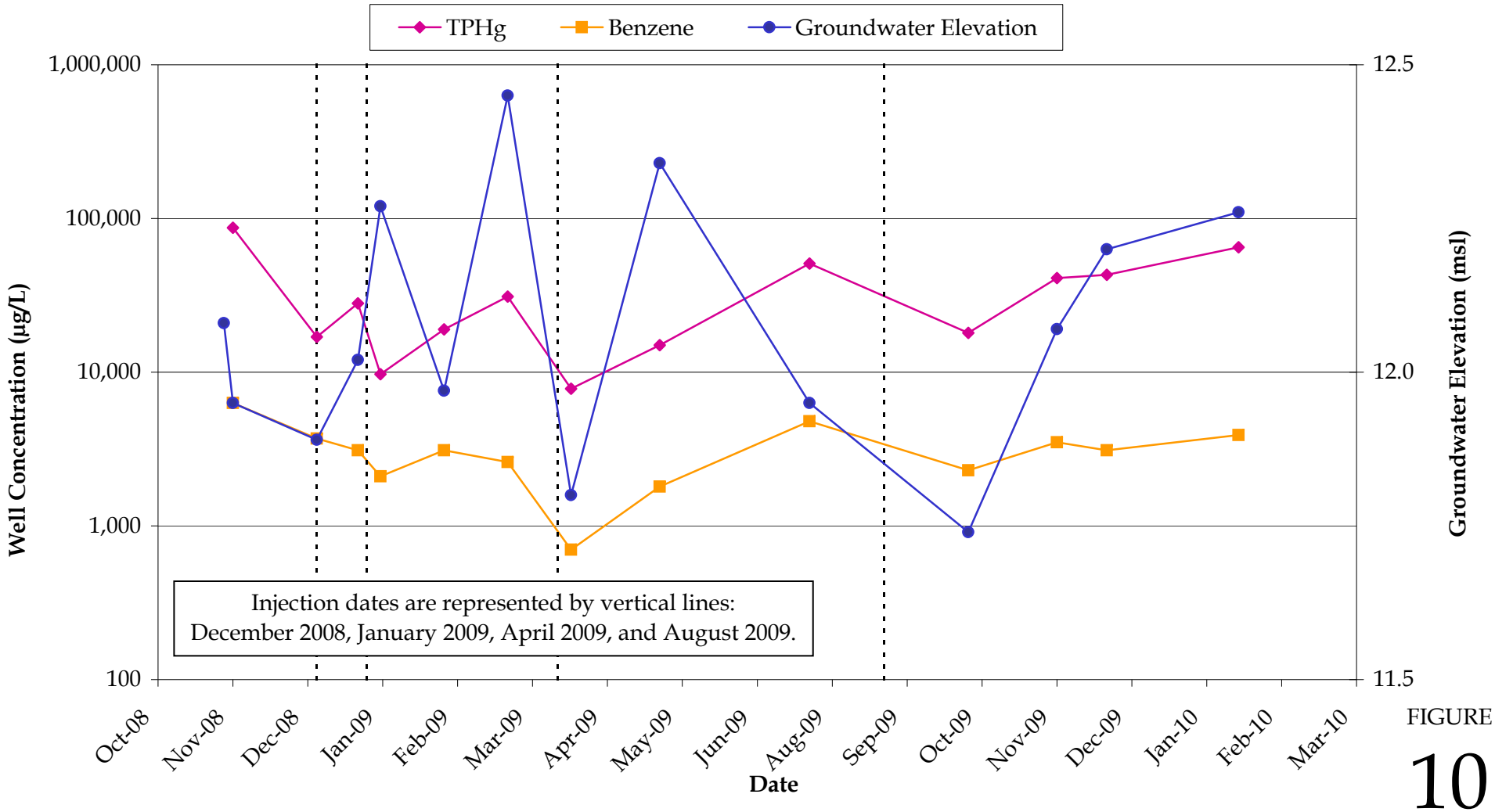
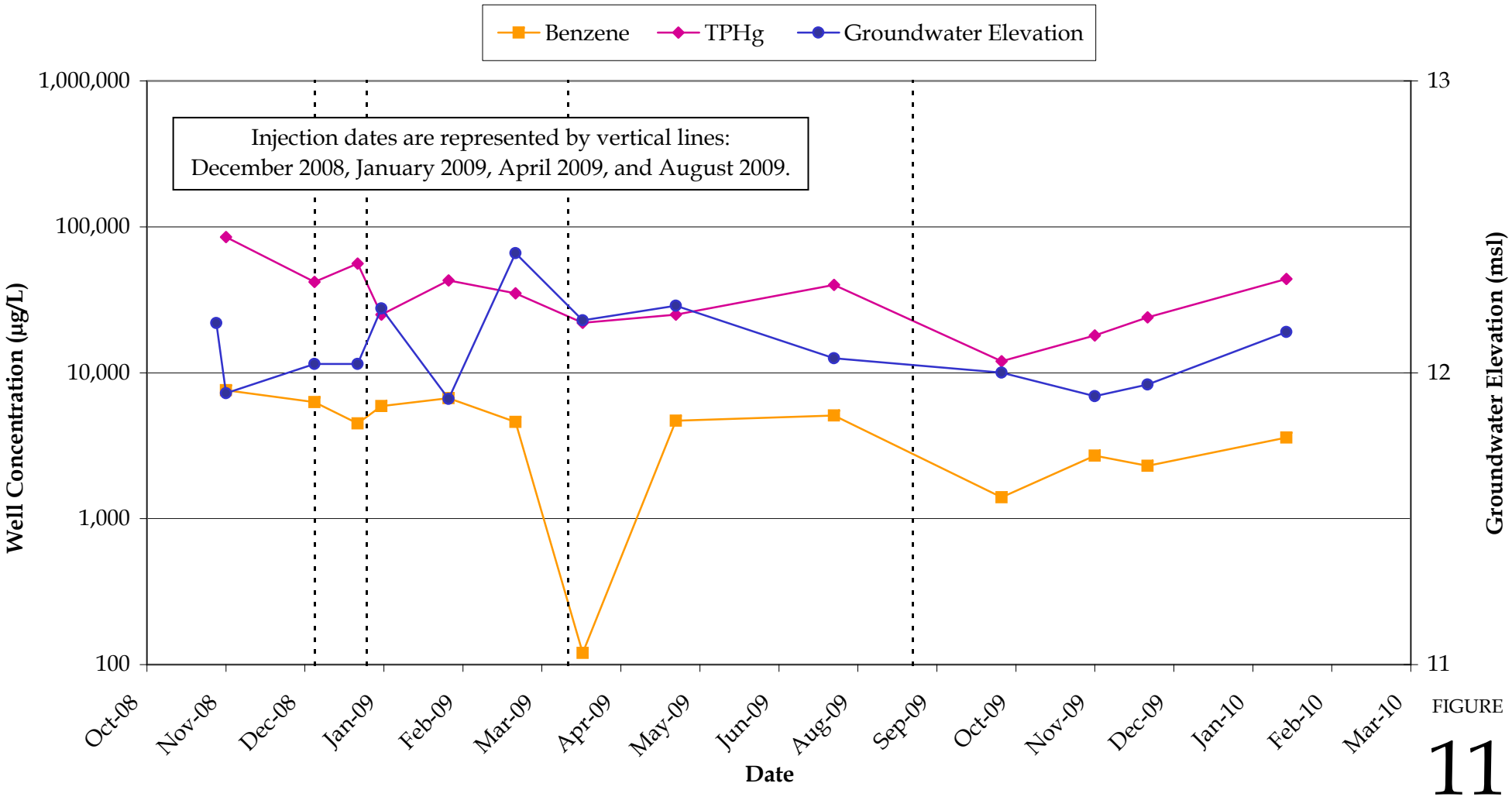


FIGURE
10

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

S-21A TPHg and Benzene Groundwater Concentrations and Groundwater Elevation versus Time



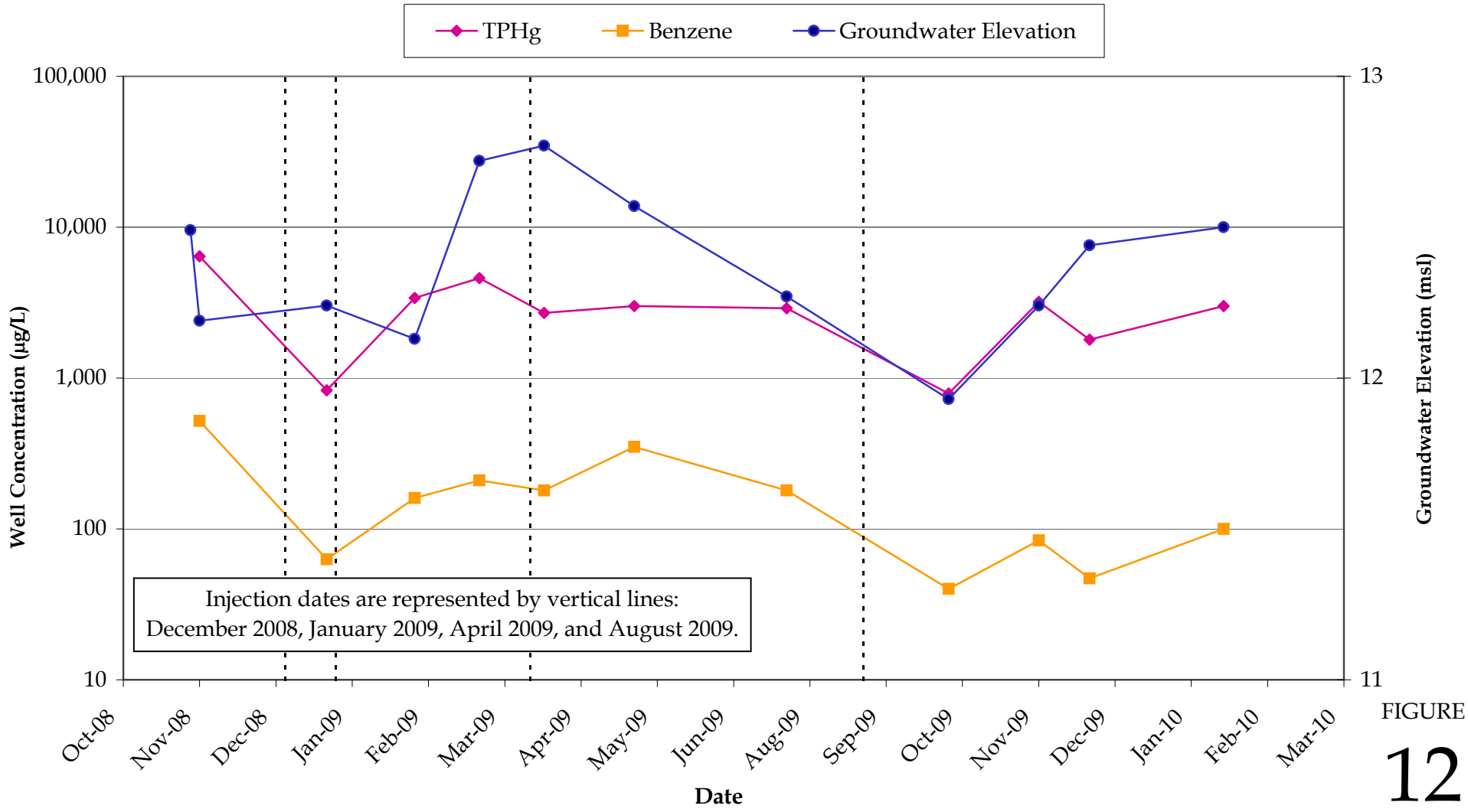
FIGURE

11

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

S-22A TPHg and Benzene Groundwater Concentrations and Groundwater Elevation versus Time



FIGURE

12

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

S-23 TPHg and Benzene Groundwater Concentrations and Groundwater Elevation versus Time

APPENDIX A

BLAINE TECH SERVICES, INC. - GROUNDWATER MONITORING REPORT

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

February 18, 2010

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

First Quarter 2010 Groundwater Monitoring at
Former Shell-branded Service Station
461 8th Street
Oakland, CA

Monitoring performed on November 9 and December 1, 2009, and January 28, 2010

Groundwater Monitoring Report **100128-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/np

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

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

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

WELL CONCENTRATIONS - 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	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-4	07/23/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.76	12.65	NA	NA	NA
S-4	10/01/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	22.10	12.31	NA	NA	NA
S-4	**01/28/2010**	**<50**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.41**	**21.75**	**12.66**	**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

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-5	10/04/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	22.18	0.76	NA	NA	NA
S-5	01/03/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	22.80	0.80	0.83	NA	NA
S-5	04/11/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	21.15	2.33	0.67	NA	NA
S-5	07/11/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	22.62	1.04	0.90	NA	NA
S-5	10/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	23.07	0.38	0.64	NA	NA
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	31000	1700	1600	1400	3350	NA	<10	NA	NA	NA	NA	<5.0	<10	e	16.65	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-5	11/11/2008 k	37000	2500	1300	2000	3490	NA	<50	NA	NA	NA	NA	<25	<50	e	16.81	NA	NA	NA	NA
S-5	11/11/2008 l	40000	2300	1400	1900	3630	NA	<50	NA	NA	NA	NA	<25	<50	e	16.81	NA	NA	NA	NA
S-5	01/05/2009	57000	2300	1400	1500	2900	NA	<10	NA	NA	NA	NA	<5.0	<10	e	16.71	NA	NA	NA	NA
S-5	04/09/2009	52000	2100	3500	1900	5400	NA	<20	NA	NA	NA	NA	<10	<20	e	16.31	NA	NA	0.3	163
S-5	07/23/2009	37000	1800	1900	1400	3800	NA	NA	NA	NA	NA	NA	NA	NA	e	16.62	NA	NA	1.48	-84
S-5	10/01/2009	36000	1800	1900	1400	3700	NA	NA	NA	NA	NA	NA	NA	NA	27.24	16.35	10.89	NA	0.86	-52
S-5	**01/28/2010**	**35000**	**1200**	**1900**	**1500**	**3600**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**27.24**	**16.35**	**10.89**	**NA**	**NA**	**NA**
S-6	04/16/1987	81000	16000	9000	NA	6400 a	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	NA	NA	NA	NA	NA
S-6	10/26/1988	110000	29000	18000	2500	8200	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	NA	NA	NA	NA	NA
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

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-6 (D)	04/20/1995	49000	13000	3500	1800	4700	NA	NA	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA	NA	NA
S-6	10/04/1995	49000	8400	4700	1800	4800	NA	NA	NA	NA	NA	NA	NA	NA	22.08	21.80	0.28	NA	NA	NA
S-6 (D)	10/04/1995	41000	8400	4100	1400	4400	NA	NA	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA	NA	NA
S-6	01/03/1996	52000	9100	7100	1800	5800	NA	NA	NA	NA	NA	NA	NA	NA	22.08	21.70	0.38	NA	NA	NA
S-6	04/11/1996	59000	11000	7100	2100	6400	<500	NA	NA	NA	NA	NA	NA	NA	22.08	21.62	0.46	NA	NA	NA
S-6 (D)	04/11/1996	59000	11000	6800	1900	6400	<500	NA	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA	NA	NA
S-6	07/11/1996	72000	18000	6600	2500	8400	<1000	NA	NA	NA	NA	NA	NA	NA	22.08	21.65	2.78	NA	NA	NA
S-6	10/02/1996	57000	11000	6500	1500	5100	<500	NA	NA	NA	NA	NA	NA	NA	22.08	21.80	2.63	NA	NA	NA
S-6	01/22/1997	67000	15000	5000	1800	5400	<1000	NA	NA	NA	NA	NA	NA	NA	22.08	19.95	2.13	NA	NA	NA
S-6 (D)	01/22/1997	63000	15000	4800	1800	5200	<1000	NA	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA	NA	NA
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

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-6	05/03/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.56	17.30	13.26	NA	NA	NA
S-6	06/17/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.56	17.70	12.86	NA	NA	NA
S-6	07/13/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.56	17.85	12.71	NA	NA	NA
S-6	10/28/2004 g	45000	21000	3600	1700	3300	NA	<130	NA	NA	NA	NA	NA	NA	30.56	18.45	12.11	NA	NA	NA
S-6	01/17/2005	61000	21000	3500	1600	3200	NA	<130	NA	NA	NA	NA	NA	NA	30.56	17.52	13.04	NA	NA	NA
S-6	04/14/2005	36000	12000	6200	850	4800	NA	<50	NA	NA	NA	NA	NA	NA	30.56	22.49	8.07	NA	NA	NA
S-6	07/28/2005	54000	16000	9100	1800	5900	NA	<130	NA	NA	NA	NA	NA	NA	30.56	19.38	11.18	NA	NA	NA
S-6	10/05/2005	59000	14000	7500	1400	5000	NA	<50	NA	NA	NA	NA	NA	NA	30.56	18.32	12.24	NA	NA	NA
S-6	02/09/2006	41100	7060	3900	673	2380	NA	<0.500	NA	NA	NA	NA	NA	NA	30.56	17.11	13.45	NA	NA	NA
S-6	05/15/2006	188000	24800	20700	2540	12400	NA	<25.0	NA	NA	NA	NA	NA	NA	30.56	19.80	10.76	NA	NA	NA
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	37000	11000	5200	1200	4600	NA	<100	NA	NA	NA	NA	<50	<100	30.56	20.65	9.91	NA	NA	NA
S-6	11/11/2008 k	37000	15000	6200	1200	3390	NA	<10	NA	NA	NA	NA	<5.0	<10	30.56	20.79	9.77	NA	NA	NA
S-6	11/11/2008 l	14000	5200	680	400	1060	NA	<50	NA	NA	NA	NA	<25	<50	30.56	20.79	9.77	NA	NA	NA
S-6	01/05/2009	53000	9400	3600	890	3100	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	13000	3700	1100	270	750	NA	<100	NA	NA	NA	NA	<50	<100	30.56	20.20	10.36	NA	NA	NA
S-6	07/23/2009	15000	4400	1100	360	1000	NA	NA	NA	NA	NA	NA	NA	NA	30.56	20.66	9.90	NA	1.13	-73
S-6	10/01/2009	21000	5100	1300	420	1200	NA	NA	NA	NA	NA	NA	NA	NA	30.56	20.86	9.70	NA	0.58	16
S-6	**01/28/2010**	**8700**	**2600**	**250**	**200**	**400**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**30.56**	**20.36**	**10.20**	**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

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-8	01/22/1997	400	90	13	4.9	25	12	NA	NA	NA	NA	NA	NA	NA	27.21	23.91	3.30	NA	NA	NA
S-8	07/21/1997	2900	380	110	26	260	85	NA	NA	NA	NA	NA	NA	NA	27.21	23.62	3.59	NA	NA	NA
S-8 (D)	07/21/1997	3200	420	120	32	300	130	NA	NA	NA	NA	NA	NA	NA	27.21	NA	NA	NA	NA	NA
S-8	01/22/1998	3800	790	140	42	330	160	NA	NA	NA	NA	NA	NA	NA	27.21	23.52	3.69	NA	NA	NA
S-8 (D)	01/22/1998	3500	780	120	33	300	160	NA	NA	NA	NA	NA	NA	NA	27.21	NA	NA	NA	NA	NA
S-8	07/08/1998	3600	1800	<25	<25	<25	<125	NA	NA	NA	NA	NA	NA	NA	27.21	21.52	5.69	NA	NA	NA
S-8 (D)	07/08/1998	4000	1800	<25	<25	31	<125	NA	NA	NA	NA	NA	NA	NA	27.21	NA	NA	NA	NA	NA
S-8	10/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	27.21	22.01	5.20	NA	NA	NA
S-8	01/28/1999	2000	630	6.2	24	51	43	NA	NA	NA	NA	NA	NA	NA	27.21	23.03	4.18	NA	NA	NA
S-8	04/23/1999	1050	408	<5.00	<5.00	6.65	<50.0	NA	NA	NA	NA	NA	NA	NA	27.21	22.15	5.06	NA	NA	NA
S-8	07/29/1999	955	344	<2.50	6.90	16.2	<25.0	NA	NA	NA	NA	NA	NA	NA	27.21	21.95	5.26	NA	NA	NA
S-8	11/01/1999	1800	550	6.45	15	40.4	<50.0	NA	NA	NA	NA	NA	NA	NA	27.21	22.55	4.66	NA	NA	NA
S-8	01/07/2000	1300	600	11	29	48	<13	NA	NA	NA	NA	NA	NA	NA	27.21	22.87	4.34	NA	NA	NA
S-8	04/11/2000	342	101	4.42	4.24	14.7	21.4	NA	NA	NA	NA	NA	NA	NA	27.21	21.86	5.35	NA	NA	NA
S-8	07/19/2000	579	228	6.37	6.45	25.0	<12.5	NA	NA	NA	NA	NA	NA	NA	27.21	21.93	5.28	NA	NA	NA
S-8	10/12/2000	947	340	8.64	3.26	38.3	<12.5	<2.00	NA	NA	NA	NA	NA	NA	27.21	22.92	4.29	NA	NA	NA
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

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-8	05/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	20.53	15.32	NA	NA	NA
S-8	08/23/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	NA	NA	NA	35.85	21.49	14.36	NA	NA	NA
S-8	11/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	22.05	13.80	NA	NA	NA
S-8	01/30/2007	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	35.85	22.41	13.44	NA	NA	NA
S-8	05/29/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	22.65	13.20	NA	NA	NA
S-8	08/15/2007	65 h,i	7.4	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	NA	NA	35.85	22.88	12.97	NA	NA	NA
S-8	11/28/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	23.20	12.65	NA	NA	NA
S-8	02/08/2008	350 h	22	<1.0	4.8	2.6	NA	1.2	NA	NA	NA	NA	<0.50	<1.0	35.85	22.72	13.13	NA	NA	NA
S-8	05/08/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	22.91	12.94	NA	NA	NA
S-8	08/14/2008	420	28	<1.0	6.3	1.4	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	35.85	23.12	12.73	NA	NA	NA
S-8	11/11/2008 k	330	37	<1.0	5.1	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	35.85	23.37	12.48	NA	1.6	28
S-8	11/11/2008 l	480	29	<1.0	5.4	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.85	23.37	12.48	NA	2.2	103
S-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-8	07/23/2009	140	0.55	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.83	23.02	12.81	NA	2.38	-54
S-8	10/01/2009	140	0.68	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.83	23.31	12.52	NA	4.34	359
S-8	**01/28/2010**	**<50**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**NA**	**NA**	NA	**NA**	**NA**	**NA**	**NA**	**35.83**	**22.80**	**13.03**	**NA**	**NA**	**NA**
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

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-9	07/29/1999	117	7.77	0.817	0.683	5.05	<5.00	NA	NA	NA	NA	NA	NA	NA	26.06	21.25	4.81	NA	NA	NA
S-9	11/01/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	21.92	4.14	NA	NA	NA
S-9	01/07/2000	<50	1.2	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	26.06	22.11	3.95	NA	NA	NA
S-9	04/11/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	21.14	4.92	NA	NA	NA
S-9	07/19/2000	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	NA	NA	NA	NA	NA
S-9	10/12/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	22.24	3.82	NA	NA	NA
S-9	01/09/2001	<50.0	1.45	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	26.06	22.52	3.54	NA	NA	NA
S-9	04/06/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	23.61	2.45	NA	NA	NA
S-9	07/25/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	NA	NA	NA	NA	NA
S-9	08/13/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	NA	NA	NA	NA	NA
S-9	11/01/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	21.78	4.28	NA	NA	NA
S-9	01/17/2002 d	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	26.06	21.15	4.91	NA	NA	NA
S-9	05/08/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	20.56	5.50	NA	NA	NA
S-9	07/18/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	34.70	20.88	13.82	NA	NA	NA
S-9	10/15/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	21.41	13.29	NA	NA	NA
S-9	01/02/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	34.70	21.35	13.35	NA	NA	NA
S-9	04/15/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	21.14	13.56	NA	NA	NA
S-9	07/14/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	34.70	20.80	13.90	NA	NA	NA
S-9	10/20/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	21.33	13.37	NA	NA	NA
S-9	01/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	34.70	20.77	13.93	NA	NA	NA
S-9	04/19/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	20.06	14.64	NA	NA	NA
S-9	07/13/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NN	34.70	20.44	14.26	NA	NA	NA
S-9	10/28/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	21.02	13.68	NA	NA	NA
S-9	01/17/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	34.70	20.18	14.52	NA	NA	NA
S-9	04/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	21.85	12.85	NA	NA	NA
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

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-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	1000	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	2100	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	2300	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	1500	200	35	61	180	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.09	12.25	NA	2.71	173
S-9	07/23/2009	1700	430	49	110	190	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.48	11.86	NA	0.21	346
S-9	10/01/2009	1200	180	12	58	93	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.84	11.50	NA	1.37	146
S-9	**11/09/2009**	**1400**	**260**	**21**	**67**	**81**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.34**	**22.63**	**11.71**	**NA**	**0.42**	**NA**
S-9	**12/01/2009**	**1100**	**110**	**11**	**26**	**59**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.34**	**22.44**	**11.90**	**NA**	**1.09**	**133**
S-9	**01/28/2010**	**860**	**130**	**9.3**	**38**	**79**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.34**	**22.35**	**11.99**	**NA**	**1.95**	**NA**
S-10	12/22/1994	420	27	8.0	18	45	NA	NA	NA	NA	NA	NA	NA	NA	28.04	25.84	2.20	NA	NA	NA
S-10	04/20/1995	820	49	3.7	97	52	NA	NA	NA	NA	NA	NA	NA	NA	28.04	24.92	3.12	NA	NA	NA
S-10	10/04/1995	240	6.5	1.1	16	12	NA	NA	NA	NA	NA	NA	NA	NA	28.04	25.47	2.57	NA	NA	NA
S-10	01/03/1996	1100	27	4.9	110	70	NA	NA	NA	NA	NA	NA	NA	NA	28.04	25.60	2.44	NA	NA	NA
S-10	04/11/1996	530	19	1.6	82	52	<5.0	NA	NA	NA	NA	NA	NA	NA	28.04	25.27	2.77	NA	NA	NA
S-10	07/11/1996	570	16	3.2	53	53	<2.5	NA	NA	NA	NA	NA	NA	NA	28.04	25.46	2.58	NA	NA	NA
S-10	10/02/1996	270	8.2	0.77	24	23	3.3	NA	NA	NA	NA	NA	NA	NA	28.04	25.81	2.23	NA	NA	NA
S-10	01/22/1997	160	4.8	0.73	16	11	<2.5	NA	NA	NA	NA	NA	NA	NA	28.04	24.74	3.30	NA	NA	NA
S-10	07/21/1997	530	5.7	0.70	29	69	<2.5	NA	NA	NA	NA	NA	NA	NA	28.04	24.50	3.54	NA	NA	NA
S-10	01/22/1998	1500	15	<5.0	88	130	<25	NA	NA	NA	NA	NA	NA	NA	28.04	24.44	3.60	NA	NA	NA
S-10	07/08/1998	530	4.8	1.1	47	51	<2.5	NA	NA	NA	NA	NA	NA	NA	28.04	22.36	5.68	NA	NA	NA
S-10	10/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	22.81	5.23	NA	NA	NA
S-10	01/28/1999	630	4.6	0.98	<0.50	59	<2.5	NA	NA	NA	NA	NA	NA	NA	28.04	23.82	4.22	NA	NA	NA
S-10	04/23/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	22.96	5.08	NA	NA	NA
S-10	07/29/1999	728	3.40	<1.00	41.8	38.0	<10.0	NA	NA	NA	NA	NA	NA	NA	28.04	22.63	5.41	NA	NA	NA
S-10	11/01/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	23.02	5.02	NA	NA	NA
S-10	01/07/2000	870	8.5	1.3	110	110	<2.5	NA	NA	NA	NA	NA	NA	NA	28.04	23.33	4.71	NA	NA	NA
S-10	04/11/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	22.64	5.40	NA	NA	NA
S-10	07/19/2000	612	3.75	<0.500	41.6	43.6	<2.50	NA	NA	NA	NA	NA	NA	NA	28.04	23.04	5.00	NA	NA	NA
S-10	10/12/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	23.92	4.12	NA	NA	NA
S-10	01/09/2001	647	7.62	1.01	66.2	42.4	<2.50	NA	NA	NA	NA	NA	NA	NA	28.04	24.13	3.91	NA	NA	NA

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-10	04/06/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	25.37	2.67	NA	NA	NA
S-10	07/25/2001	340	1.5	<0.50	42	19	NA	<5.0	NA	NA	NA	NA	NA	NA	28.04	25.35	2.69	NA	NA	NA
S-10	11/01/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	23.22	4.82	NA	NA	NA
S-10	01/17/2002 d	1100	3.5	<0.50	55	46	NA	<5.0	NA	NA	NA	NA	NA	NA	28.04	22.72	5.32	NA	NA	NA
S-10	05/08/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	22.35	5.69	NA	NA	NA
S-10	07/18/2002	750	1.8	<0.50	42	26	NA	<5.0	NA	NA	NA	NA	NA	NA	36.35	22.05	14.30	NA	NA	NA
S-10	10/15/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	22.51	13.84	NA	NA	NA
S-10	01/02/2003	440	1.8	<0.50	14	24	NA	<5.0	NA	NA	NA	NA	NA	NA	36.35	22.50	13.85	NA	NA	NA
S-10	04/15/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	22.32	14.03	NA	NA	NA
S-10	07/14/2003	210	0.86	<0.50	13	12	NA	<0.50	NA	NA	NA	NA	NA	NA	36.35	21.99	14.36	NA	NA	NA
S-10	10/20/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	22.53	13.82	NA	NA	NA
S-10	01/22/2004	280	0.88	<0.50	10	11	NA	<0.50	NA	NA	NA	NA	NA	NA	36.35	22.02	14.33	NA	NA	NA
S-10	04/19/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	21.43	14.92	NA	NA	NA
S-10	07/13/2004	770	1.5	<0.50	70	42	NA	<0.50	NA	NA	NA	NA	NA	NA	36.35	21.68	14.67	NA	NA	NA
S-10	10/28/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	22.37	13.98	NA	NA	NA
S-10	01/17/2005	1100	1.5	<0.50	73	51	NA	<0.50	NA	NA	NA	NA	NA	NA	36.35	21.45	14.90	NA	NA	NA
S-10	04/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	22.18	14.17	NA	NA	NA
S-10	07/28/2005	260	<0.50	<0.50	19	9.7	NA	<0.50	<2.0	<2.0	<2.0	<5.0	NA	NA	36.35	22.25	14.10	NA	NA	NA
S-10	10/05/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	21.70	14.65	NA	NA	NA
S-10	02/09/2006	630	<0.500	<0.500	13.8	13.8	NA	<0.500	NA	NA	NA	NA	NA	NA	36.35	20.37	15.98	NA	NA	NA
S-10	05/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	21.31	15.04	NA	NA	NA
S-10	08/23/2006	<50.0	<0.500	<0.500	14.5	3.40	NA	<0.500	<0.500	<0.500	<0.500	<10.0	NA	NA	36.35	22.12	14.23	NA	NA	NA
S-10	11/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	22.68	13.67	NA	NA	NA
S-10	01/30/2007	120	<0.50	<0.50	7.0	3.3	NA	<0.50	NA	NA	NA	NA	NA	NA	36.35	23.09	13.26	NA	NA	NA
S-10	05/29/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.20	13.15	NA	NA	NA
S-10	08/15/2007	64 h,i	0.15 j	<1.0	1.4	0.72 j	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	36.35	23.48	12.87	NA	NA	NA
S-10	11/28/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.82	12.53	NA	NA	NA
S-10	02/08/2008	61 h	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	36.35	23.31	13.04	NA	NA	NA
S-10	05/08/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.55	12.80	NA	NA	NA
S-10	08/14/2008	58	<0.50	<1.0	2.7	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	36.35	23.75	12.60	NA	NA	NA
S-10	11/11/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.08	13.27	NA	NA	NA
S-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

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-10	07/23/2009	66	<0.50	<1.0	5.7	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.56	12.79	NA	0.06	112
S-10	10/01/2009	76	<0.50	<1.0	4.6	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.80	12.55	NA	1.26	206
S-10	**01/28/2010**	**100**	**<0.50**	**<1.0**	**3.6**	**<1.0**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**36.35**	**23.30**	**13.05**	**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-12	07/23/2009	130	29	<1.0	13	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.44	24.50	11.94	NA	0.07	142
S-12	10/01/2009	130	25	<1.0	15	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.44	24.76	11.68	NA	0.74	135
S-12	**01/28/2010**	**110**	**14**	**<1.0**	**19**	**<1.0**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**36.44**	**24.28**	**12.16**	**NA**	**NA**	**NA**
S-13	12/17/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.16	23.33	11.83	NA	NA	NA
S-13	02/08/2008	14000 h	1900	1300	280	3000	NA	<10	NA	NA	NA	NA	<5.0	<10	35.16	23.01	12.15	NA	NA	NA
S-13	05/08/2008	18000 h	2800	3400	550	3500	NA	<10	NA	NA	NA	NA	<5.0	<10	35.16	23.31	11.85	NA	NA	NA
S-13	08/14/2008	16000	2400	3100	580	3100	NA	<20	NA	NA	NA	NA	<10	<20	35.16	23.31	11.85	NA	NA	NA
S-13	11/11/2008 k	16000	2400	2800	270	2500	NA	<50	NA	NA	NA	NA	<25	<50	35.16	23.60	11.56	NA	0.8	-48
S-13	11/11/2008 l	4400	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	3900	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	8200	700	670	67	1000	NA	NA	NA	NA	NA	NA	NA	NA	35.05	23.54	11.51	NA	NA	NA
S-13	01/15/2009	5400	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	6300	800	1000	110	870	NA	NA	NA	NA	NA	NA	NA	NA	35.05	22.36	12.69	NA	NA	NA
S-13	03/12/2009	14000	1700	2300	190	2400	NA	NA	NA	NA	NA	NA	NA	NA	35.05	23.20	11.85	NA	NA	NA
S-13	04/09/2009	35000	510	7800	1000	4300	NA	NA	NA	NA	NA	NA	NA	NA	35.05	23.02	12.03	NA	25.9	433
S-13	05/18/2009	35000	820	7000	1100	6600	NA	NA	NA	NA	NA	NA	NA	NA	35.05	23.07	11.98	NA	5.21	83
S-13	07/23/2009	18000	1800	3000	480	2500	NA	NA	NA	NA	NA	NA	NA	NA	35.05	23.51	11.54	NA	1.23	148
S-13	10/01/2009	2000	330	87	33	5.2	NA	NA	NA	NA	NA	NA	NA	NA	35.05	23.61	11.44	NA	1.23	413
S-13	**11/09/2009**	**15000**	**1100**	**1500**	**300**	**1800**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.05**	**23.41**	**11.64**	**NA**	**0.71**	**NA**
S-13	**12/01/2009**	**1600**	**210**	**190**	**34**	**36**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.05**	**23.15**	**11.90**	**NA**	**16.3**	**231**

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-13	**01/28/2010**	**5900**	**370**	**930**	**100**	**680**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.05**	**22.94**	**12.11**	**NA**	**2.18**	**NA**
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	8500	680	270	<25	1110	NA	NA	NA	NA	NA	NA	NA	NA	35.19	23.13	12.06	NA	0.60	115
S-14R	11/11/2008 l	4300	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	7800	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	2100	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	4800	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	1000	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	2300	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-14R	07/23/2009	600	81	57	19	47	NA	NA	NA	NA	NA	NA	NA	NA	34.95	22.56	12.39	NA	0.05	246
S-14R	10/01/2009	230	12	10	5.3	23	NA	NA	NA	NA	NA	NA	NA	NA	34.95	22.90	12.05	NA	2.22	201
S-14R	**11/09/2009**	**330**	**47**	**21**	**11**	**39**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.95**	**22.68**	**12.27**	**NA**	**0.75**	**NA**
S-14R	**12/01/2009**	**420**	**38**	**27**	**12**	**39**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.95**	**22.62**	**12.33**	**NA**	**0.45**	**110**
S-14R	**01/28/2010**	**270**	**45**	**27**	**11**	**32**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.95**	**22.38**	**12.57**	**NA**	**3.75**	**NA**
S-15	12/17/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.34	23.00	12.34	NA	NA	NA
S-15	02/08/2008	55000 h	6700	13000	1100	9800	NA	<10	NA	NA	NA	NA	<5.0	<10	35.34	22.71	12.63	NA	NA	NA
S-15	05/08/2008	53000 h	6300	13000	1500	7500	NA	<200	NA	NA	NA	NA	<100	<200	35.34	22.91	12.43	NA	NA	NA
S-15	Well destroyed	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-16	12/17/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.08	23.88	12.20	NA	NA	NA
S-16	02/08/2008	6000 h	670	730	88	1290	NA	<5.0	NA	NA	NA	NA	<2.5	<5.0	36.08	23.52	12.56	NA	NA	NA
S-16	05/08/2008	3200 h	670	320	18	580	NA	<10	NA	NA	NA	NA	<5.0	<10	36.08	23.69	12.39	NA	NA	NA
S-16	Well destroyed	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-17	06/19/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.49	23.30	12.19	NA	NA	NA
S-17	06/25/2008	21000	1300	1300	160	2850	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	14000	1700	1700	310	2250	NA	<10	NA	NA	NA	NA	<5.0	<10	35.49	23.50	11.99	NA	NA	NA
S-17	11/11/2008 k	7200	1600	820	140	760	NA	<5.0	NA	NA	NA	NA	<2.5	<5.0	35.49	23.70	11.79	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	11/11/2008 l	32000	2500	3100	820	4000	NA	<25	NA	NA	NA	NA	<12	<25	35.49	23.70	11.79	NA	NA	NA
S-17	01/05/2009	15000	790	700	150	1200	NA	<10	NA	NA	NA	NA	<5.0	<10	35.50	23.66	11.84	NA	NA	NA
S-17	01/15/2009	2300	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	4700	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	3300	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	1300	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-17	07/23/2009	3900	480	410	160	480	NA	NA	NA	NA	NA	NA	NA	NA	35.50	23.70	11.80	NA	0.15	34
S-17	10/01/2009	1300	32	24	3.1	72	NA	NA	NA	NA	NA	NA	NA	NA	35.50	23.64	11.86	NA	1.30	204
S-17	**11/09/2009**	**5300**	**260**	**330**	**56**	**500**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.50**	**23.52**	**11.98**	**NA**	**0.18**	**NA**
S-17	**12/01/2009**	**3300**	**190**	**210**	**52**	**240**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.50**	**23.41**	**12.09**	**NA**	**0.95**	**450**
S-17	**01/28/2010**	**3500**	**260**	**250**	**85**	**310**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.50**	**23.21**	**12.29**	**NA**	**1.93**	**NA**
S-18	06/19/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.04	22.94	12.10	NA	NA	NA
S-18	06/25/2008	58000	2200	5600	880	10200	NA	<10	NA	NA	NA	NA	<5.0	<10	35.04	22.92	12.12	NA	NA	NA
S-18	08/14/2008	25000	2500	4500	860	5800	NA	<50	NA	NA	NA	NA	<25	<50	35.04	23.08	11.96	NA	NA	NA
S-18	11/11/2008 k	24000	2400	3300	820	3800	NA	<25	NA	NA	NA	NA	<12	<25	35.04	23.30	11.74	NA	NA	NA
S-18	11/11/2008 l	43000	3900	5500	1300	6500	NA	<50	NA	NA	NA	NA	<25	<50	35.04	23.30	11.74	NA	NA	NA
S-18	01/05/2009	20000	830	1000	290	1400	NA	<50	NA	NA	NA	NA	<25	<50	35.03	23.16	11.87	NA	NA	NA
S-18	01/15/2009	8200	690	790	150	1230	NA	NA	NA	NA	NA	NA	NA	NA	35.03	22.97	12.06	NA	NA	NA
S-18	02/12/2009	13000	1200	1400	330	940	NA	NA	NA	NA	NA	NA	NA	NA	35.03	23.29	11.74	NA	NA	NA
S-18	03/12/2009	52000	5300	9000	1,600	10000	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	6700	320	1100	200	1000	NA	NA	NA	NA	NA	NA	NA	NA	35.03	22.81	12.22	NA	6.51	377
S-18	07/23/2009	8900	500	890	290	1600	NA	NA	NA	NA	NA	NA	NA	NA	35.03	22.91	12.12	NA	0.20	NA
S-18	10/01/2009	1800	49	5.5	5.3	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	35.03	23.65	11.38	NA	6.25	557
S-18	**11/09/2009**	**1100**	**79**	**8.9**	**5.3**	**1.1**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.03**	**23.19**	**11.84**	**NA**	**0.26**	**NA**
S-18	**12/01/2009**	**570**	**50**	**7.5**	**2.7**	**1.2**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.03**	**23.12**	**11.91**	**NA**	**4.07**	**460**
S-18	**01/28/2010**	**1200**	**170**	**91**	**18**	**68**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.03**	**22.86**	**12.17**	**NA**	**1.90**	**NA**
S-19	11/07/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.78	22.73	12.05	NA	NA	NA
S-19	11/11/2008 k	7100	500	600	25	1010	NA	NA	NA	NA	NA	NA	NA	NA	34.78	22.87	11.91	NA	1.0	62
S-19	11/11/2008 l	2300	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	2900	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	3400	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	3100	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	1300	130	180	37	190	NA	NA	NA	NA	NA	NA	NA	NA	34.57	22.58	11.99	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-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	1300	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-19	07/23/2009	400	77	59	15	38	NA	NA	NA	NA	NA	NA	NA	NA	34.57	22.40	12.17	NA	0.06	31
S-19	10/01/2009	1500	160	170	33	120	NA	NA	NA	NA	NA	NA	NA	NA	34.57	22.66	11.91	NA	0.52	301
S-19	**11/09/2009**	**1600**	**140**	**160**	**41**	**160**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.57**	**22.44**	**12.13**	**NA**	**0.26**	**NA**
S-19	**12/01/2009**	**1600**	**150**	**180**	**45**	**170**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.57**	**22.62**	**11.95**	**NA**	**0.79**	**161**
S-19	**01/28/2010**	**2600**	**230**	**280**	**71**	**300**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.57**	**22.29**	**12.28**	**NA**	**1.71**	**NA**
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	13000	1300	1600	80	1920	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.90	11.60	NA	0.8	-39
S-20	11/11/2008 l	16000	1100	1800	220	1930	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.90	11.60	NA	2.6	-64
S-20	01/05/2009	17000	1500	1700	320	1900	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.78	11.72	NA	NA	NA
S-20	02/12/2009	11000	1300	1400	230	1600	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.80	11.70	NA	2.6	-64
S-20	03/12/2009	19000	2700	3200	390	3100	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.40	12.10	NA	NA	NA
S-20	04/09/2009	8200	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	21000	970	1500	630	4800	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.42	12.08	NA	4.58	197
S-20	07/23/2009	41000	4900	2900	990	7300	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.73	11.77	NA	0.27	419
S-20	10/01/2009	1800	140	39	33	39	NA	NA	NA	NA	NA	NA	NA	NA	34.50	23.00	11.50	NA	0.85	533
S-20	**11/09/2009**	**21000**	**1600**	**740**	**300**	**2500**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.50**	**22.72**	**11.78**	**NA**	**1.67**	**NA**
S-20	**12/01/2009**	**12000**	**1100**	**450**	**160**	**1200**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.50**	**22.61**	**11.89**	**NA**	**1.38**	**347**
S-20	**01/28/2010**	**20000**	**2000**	**1600**	**260**	**2000**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.50**	**22.51**	**11.99**	**NA**	**4.40**	**NA**
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	96000	6100	11000	1700	10500	NA	NA	NA	NA	NA	NA	NA	NA	35.81	23.86	11.95	NA	1.6	-42
S-21A	11/11/2008 l	87000	6300	13000	1700	10300	NA	NA	NA	NA	NA	NA	NA	NA	35.81	23.86	11.95	NA	1.8	-51
S-21A	12/18/2008	17000	3700	1200	170	47	NA	NA	NA	NA	NA	NA	NA	NA	35.80	23.91	11.89	NA	NA	NA
S-21A	01/05/2009	28000	3100	2900	450	1100	NA	NA	NA	NA	NA	NA	NA	NA	35.80	23.78	12.02	NA	NA	NA
S-21A	01/15/2009	9700	2100	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	19000	3100	2500	330	500	NA	NA	NA	NA	NA	NA	NA	NA	35.80	23.83	11.97	NA	NA	NA
S-21A	03/12/2009	31000	2600	3800	810	3700	NA	NA	NA	NA	NA	NA	NA	NA	35.80	23.35	12.45	NA	NA	NA
S-21A	04/09/2009	7800	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	15000	1800	2200	390	1900	NA	NA	NA	NA	NA	NA	NA	NA	35.80	23.46	12.34	NA	2.37	529
S-21A	07/23/2009	51000	4800	7100	1100	7000	NA	NA	NA	NA	NA	NA	NA	NA	35.80	23.85	11.95	NA	0.14	-3
S-21A	10/01/2009	18000	2300	2200	310	2400	NA	NA	NA	NA	NA	NA	NA	NA	35.80	24.06	11.74	NA	7.92	575
S-21A	**11/09/2009**	**41000**	**3500**	**5800**	**600**	**4800**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.80**	**23.73**	**12.07**	**NA**	**0.34**	**NA**
S-21A	**12/01/2009**	**43000**	**3100**	**6700**	**640**	**4900**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.80**	**23.60**	**12.20**	**NA**	**2.55**	**350**

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-21A	**01/28/2010**	**65000**	**3900**	**9900**	**970**	**6600**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.80**	**23.54**	**12.26**	**NA**	**1.43**	**NA**
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	3200	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	7500	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	5300	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	5400	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	3300	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	2800	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	2300	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-21B	06/17/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.76	23.40	12.36	NA	NA	NA
S-21B	07/23/2009	920	5.0	17	28	120	NA	NA	NA	NA	NA	NA	NA	NA	35.76	23.52	12.24	NA	0.26	37
S-21B	10/01/2009	820	2.6	10	17	89	NA	NA	NA	NA	NA	NA	NA	NA	35.76	23.95	11.81	NA	0.96	353
S-21B	**01/28/2010**	**810**	**11**	**6.2**	**10**	**51**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.76**	**23.30**	**12.46**	**NA**	**NA**	**NA**
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	84000	8500	11000	2200	13900	NA	NA	NA	NA	NA	NA	NA	NA	35.08	23.15	11.93	NA	1.0	117
S-22A	11/11/2008 l	85000	7600	10000	2500	12400	NA	NA	NA	NA	NA	NA	NA	NA	35.08	23.15	11.93	NA	1.6	100
S-22A	12/18/2008	42000	6300	6600	1200	4400	NA	NA	NA	NA	NA	NA	NA	NA	35.06	23.03	12.03	NA	NA	NA
S-22A	01/05/2009	56000	4500	5300	1200	6400	NA	NA	NA	NA	NA	NA	NA	NA	35.06	23.03	12.03	NA	NA	NA
S-22A	01/15/2009	25000	5900	4400	740	1570	NA	NA	NA	NA	NA	NA	NA	NA	35.06	22.84	12.22	NA	NA	NA
S-22A	02/12/2009	43000	6700	6600	1200	5000	NA	NA	NA	NA	NA	NA	NA	NA	35.06	23.15	11.91	NA	NA	NA
S-22A	03/12/2009	35000	4600	4600	980	4600	NA	NA	NA	NA	NA	NA	NA	NA	35.06	22.65	12.41	NA	NA	NA
S-22A	04/09/2009	22000	120	1900	680	3400	NA	NA	NA	NA	NA	NA	NA	NA	35.06	22.88	12.18	NA	8.41	556
S-22A	05/18/2009	25000	4700	1300	590	3700	NA	NA	NA	NA	NA	NA	NA	NA	35.06	22.83	12.23	NA	2.46	539
S-22A	07/23/2009	40000	5100	4800	700	4900	NA	NA	NA	NA	NA	NA	NA	NA	35.06	23.01	12.05	NA	0.18	167
S-22A	10/01/2009	12000	1400	600	88	500	NA	NA	NA	NA	NA	NA	NA	NA	35.06	23.06	12.00	NA	4.08	523
S-22A	**11/09/2009**	**18000**	**2700**	**2000**	**190**	**1300**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.06**	**23.14**	**11.92**	**NA**	**1.74**	**NA**
S-22A	**12/01/2009**	**24000**	**2300**	**2300**	**270**	**2000**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.06**	**23.10**	**11.96**	**NA**	**1.06**	**393**
S-22A	**01/28/2010**	**44000**	**3600**	**5000**	**620**	**4300**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.06**	**22.92**	**12.14**	**NA**	**1.40**	**NA**
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

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-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-22B	07/23/2009	160	8.9	5.7	3.8	12	NA	NA	NA	NA	NA	NA	NA	NA	35.24	22.65	12.59	NA	0.15	28
S-22B	10/01/2009	300	2.4	1.0	1.2	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.24	23.18	12.06	NA	2.62	173
S-22B	**01/28/2010**	**<50**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.24**	**22.73**	**12.51**	**NA**	**NA**	**NA**
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	8800	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	6400	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	3400	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	4600	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	2700	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	3000	350	440	79	300	NA	NA	NA	NA	NA	NA	NA	NA	35.75	23.18	12.57	NA	19.77	503
S-23	07/23/2009	2900	180	400	67	340	NA	NA	NA	NA	NA	NA	NA	NA	35.75	23.48	12.27	NA	0.21	133
S-23	10/01/2009	790	40	24	5.4	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.75	23.82	11.93	NA	8.64	428
S-23	**11/09/2009**	**3200**	**84**	**330**	**90**	**400**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.75**	**23.51**	**12.24**	**NA**	**0.28**	**NA**
S-23	**12/01/2009**	**1800**	**47**	**180**	**50**	**190**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.75**	**23.31**	**12.44**	**NA**	**2.49**	**472**
S-23	**01/28/2010**	**3000**	**100**	**450**	**110**	**650**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.75**	**23.25**	**12.50**	**NA**	**1.74**	**NA**
AS-1	12/17/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.33	22.91	12.42	NA	NA	NA
AS-1	02/08/2008	130 h	1.1	3.4	<1.0	5.4	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	35.33	22.62	12.71	NA	NA	NA
AS-1	05/08/2008	<50 h	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	35.33	27.78	7.55	NA	NA	NA
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. (mV)

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

WELL CONCENTRATIONS - 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 S-5 surveyed on November 11, 2008 by Virgil Chavez Land Surveying of Vallejo, CA.
Well S-5 surveyed on October 8, 2009 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	8510	<5.00	2460	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	2080	733	1110	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	6140	471	1150	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	3700	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	1790	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	3930	4670	12600	12500	NA	NA	NA	NA	NA	NA	NA	34000	140	144	NA	NA	NA
S-8	07/23/2009	<10.0	<10.0	17.2	26.2	32.8	34.8	NA	NA	NA	NA	NA	NA	NA	83	15	39	NA	NA	NA
S-9	11/11/2008	<10.0	<10.0	<5.00	207	5.07	10.7	<100	6400	488	1140	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	4550	845	1100	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	3410	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	1000	5590	855	1140	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	1570	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	2180	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-9	07/23/2009	<10.0	10.2	5.72	188	6.96	15.2	NA	NA	NA	NA	NA	NA	NA	44	<1.0	149	NA	NA	NA
S-9	10/01/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33	NA	NA	NA	NA	NA
S-9	**11/09/2009**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**17**	**NA**	**NA**	**NA**	**NA**	**NA**
S-9	**12/01/2009**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**14**	**NA**	**NA**	**NA**	**NA**	**NA**
S-9	**01/28/2010**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**13**	**NA**	**NA**	**NA**	**NA**	**NA**
S-10	12/18/2008	<10.0	<10.0	22.3	47.3	6.35	63.4	168	5000	231	3860	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	5950	109	3830	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	2660	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	5750	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	1420	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	159000	36.9	6780	20	0.11	1.9	22	<1.0	1850	<0.10	159	<1 c
S-12	12/18/2008	<10.0	12.8	<5.00	98.3	<5.00	104	166	40700	155	1150	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	1220	61900	319	1790	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	52700	223	1490	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	33500	56.5	1110	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	14200	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-12	07/23/2009	<10.0	10.2	11.5	99.8	<5.00	86.4	NA	NA	NA	NA	NA	NA	NA	30	6.5	350	NA	NA	NA
S-13	11/11/2008	<10.0	<10.0	<5.00	34.1	<5.00	33.2	263	13400	315	415	23	0.11	2.2	20	<1.0	680	<0.10	13.4	<1

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-13	12/18/2008	<10.0	<10.0	<5.00	34.3	<5.00	34.2	756	14800	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	20100	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	23100	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	8680	1410	1010	36	0.33	3.2	1600	<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	3600	3930	3710	28	0.20	1.1	2100	<1.0	105	2.7	0.910	NA
S-13	04/09/2009	<10.0	<10.0	1060	303	3080	1080	NA	NA	NA	NA	NA	NA	NA	3900	<5.0 d	242	NA	NA	NA
S-13	05/18/2009	<10.0	<10.0	75.7	95.9	1100	981	NA	NA	NA	NA	NA	NA	NA	2200	<1.0	143	NA	NA	NA
S-13	07/23/2009	<10.0	<10.0	13.3	26.4	228	247	NA	NA	NA	NA	NA	NA	NA	740	7.5	178	NA	NA	NA
S-13	10/01/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1500	NA	NA	NA	NA	NA
S-13	**11/09/2009**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**2300**	**NA**	**NA**	**NA**	**NA**	**NA**
S-13	**12/01/2009**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**4900**	**NA**	**NA**	**NA**	**NA**	**NA**
S-13	**01/28/2010**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**1400**	**NA**	**NA**	**NA**	**NA**	**NA**
S-14R	11/11/2008	<10.0	<10.0	13.0	64.8	<5.00	62.7	<100	23200	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	6060	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	15300	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	6220	2450	2450	<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	5690	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	5490	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-14R	07/23/2009	<10.0	<10.0	7.80	39.1	<5.00	21.0	NA	NA	NA	NA	NA	NA	NA	43	5.9	71	NA	NA	NA
S-17	01/15/2009	<10.0	23.4	<5.00	321	<5.00	329	747	112000	343	1450	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	208000	1,320	4030	20	0.16	1.2	950	<1.0	3920	<0.10	NA	NA
S-17	03/12/2009	<10.0	<10.0	<5.00	17.8	38.1	87.9	556	4870	796	868	13	<0.10	0.82	290	<1.0	2760	<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	1740	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	1600	NA	NA	NA
S-17	07/23/2009	<10.0	20.2	11.6	280	10.2	253	NA	NA	NA	NA	NA	NA	NA	130	8.3	663	NA	NA	NA
S-18	01/15/2009	<10.0	25.0	<5.00	210	<5.00	243	1130	86300	459	1340	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	1310	8080	1970	339	28	0.28	0.70	670	<1.0	3890	<0.10	NA	NA
S-18	03/12/2009	10.6	55.4	<5.00	396	31.9	448	2710	147000	3260	4090	31	0.22	0.32	1800	<1.0	1130	<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	3000	2	1460	NA	NA	NA
S-18	07/23/2009	<10.0	13.9	<5.00	92.5	180	258	NA	NA	NA	NA	NA	NA	NA	2700	1.2	351	NA	NA	NA
S-18	10/01/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5200	NA	NA	NA	NA	NA
S-18	**11/09/2009**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**2100**	**NA**	**NA**	**NA**	**NA**	**NA**
S-18	**12/01/2009**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**1300**	**NA**	**NA**	**NA**	**NA**	**NA**
S-18	**01/28/2010**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**810**	**NA**	**NA**	**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-19	11/11/2008	<10.0	<10.0	35.2	44.4	<5.00	7.39	<100	3000	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	7850	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	10500	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	11200	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	8150	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	3100	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-19	07/23/2009	<10.0	<10.0	27.9	81.9	<5.00	32.9	NA	NA	NA	NA	NA	NA	NA	43	27	282	NA	NA	NA
S-20	11/11/2008	<10.0	12.9	30.7	53.5	<5.00	26.9	<100	10500	<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	8410	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	5530	636	1160	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	5070	3310	NA	NA	NA	NA	NA	NA	NA	7200	23	428	NA	NA	NA
S-20	05/18/2009	<10.0	<10.0	129	134	1160	1170	NA	NA	NA	NA	NA	NA	NA	2700	6.0	61	NA	NA	NA
S-20	07/23/2009	10.5	13.1	220	137	720	626	NA	NA	NA	NA	NA	NA	NA	3900	90	68	NA	NA	NA
S-20	10/01/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8500	NA	NA	NA	NA	NA
S-20	**11/09/2009**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**5400**	**NA**	**NA**	**NA**	**NA**	**NA**
S-20	**12/01/2009**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**5500**	**NA**	**NA**	**NA**	**NA**	**NA**
S-20	**01/28/2010**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**5500**	**NA**	**NA**	**NA**	**NA**	**NA**
S-21A	11/11/2008	<10.0	38.4	<5.00	1,090	5.39	1390	<100	384000	2990	9000	90	0.98	<0.10	18	<1.0	7510	0.16	384	<1 c
S-21A	12/18/2008	<10.0	43.3	1,720	1,650	8240	7260	256000	311000	119000	85800	95	<0.50 d	0.51 d	18000	4.4	2470	0.15	NA	NA
S-21A	01/05/2009	<10.0	86.6	501	922	3030	3080	45100	292000	39600	34800	83	1.9	0.42	6200	1.4	3890	0.20	NA	NA
S-21A	01/15/2009	214	100	4,420	3,590	10900	9290	1390000	1060000	152000	140000	62	<1.0	4.9	30000	11	860	<0.10	1060	NA
S-21A	02/12/2009	<10.0	35.0	658	1,370	2270	3230	80000	361000	24000	29000	87	24	0.90	6400	1.3	2530	0.16	NA	NA
S-21A	03/12/2009	<10.0	<10.0	68.8	64.5	520	457	1400	6240	6070	5290	61	0.66	1.3	1100	<1.0	501	0.11	6.13	NA
S-21A	04/09/2009	<10.0	<10.0	4,180	4,270	10000	10200	NA	NA	NA	NA	NA	NA	NA	26000	<10 d	380	NA	NA	NA
S-21A	05/18/2009	<10.0	<10.0	214	221	1510	1450	NA	NA	NA	NA	NA	NA	NA	2500	2.2	409	NA	NA	NA
S-21A	07/23/2009	<10.0	41.9	<5.00	381	374	536	NA	NA	NA	NA	NA	NA	NA	1100	<1.0	1220	NA	NA	NA
S-21A	10/01/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11000	NA	NA	NA	NA	NA
S-21A	**11/09/2009**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**3500**	**NA**	**NA**	**NA**	**NA**	**NA**
S-21A	**12/01/2009**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**2900**	**NA**	**NA**	**NA**	**NA**	**NA**
S-21A	**01/28/2010**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**2200**	**NA**	**NA**	**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

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-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	3030	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-21B	06/17/2009	NA	NA	25.9	27.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	27	NA	NA	NA	NA
S-21B	07/23/2009	<10.0	<10.0	29.6	30.6	<5.00	<5.00	NA	NA	NA	NA	NA	NA	NA	140	31	14	NA	NA	NA
S-22A	11/11/2008	<10.0	70.3	<5.00	1,420	<5.00	1890	145	546000	2710	10500	82	1.2	<0.10	13	<1.0	4770	2.6	543	<1 c
S-22A	12/18/2008	<10.0	170	362	1,290	2590	3620	55100	469000	36300	38700	92	<1.0 d	<1.0 d, e	5100	5.8	1780	0.27	NA	NA
S-22A	01/05/2009	<10.0	132	<5.00	665	476	1090	5780	313000	8980	10700	77	1.2	0.26	1200	<1.0	9200	1.4	NA	NA
S-22A	01/15/2009	<10.0	171	1,760	2,450	6170	6510	281000	641000	66600	65200	59	5.5	1.4	15000	48	1480	<0.10	641	NA
S-22A	02/12/2009	<10.0	89.9	16.6	1,170	899	1250	203	354000	11800	13000	86	2.3	0.34	1700	1.2	3860	<0.10	NA	NA
S-22A	03/12/2009	<10.0	143	<5.00	997	366	760	304	319000	6920	8430	61	1.2	0.13	850	<1.0	1570	<0.10	319	NA
S-22A	04/09/2009	<10.0	<10.0	1,080	1,160	4400	4530	NA	NA	NA	NA	NA	NA	NA	6800	26	2500	NA	NA	NA
S-22A	05/18/2009	<10.0	<10.0	209	309	2440	2420	NA	NA	NA	NA	NA	NA	NA	7000	<2.0 d	1670	NA	NA	NA
S-22A	07/23/2009	<10.0	<10.0	143	558	2910	2880	NA	NA	NA	NA	NA	NA	NA	8900	<1.0	214	NA	NA	NA
S-22A	10/01/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14000	NA	NA	NA	NA	NA
S-22A	**11/09/2009**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**21000**	**NA**	**NA**	**NA**	**NA**	**NA**
S-22A	**12/01/2009**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**14000**	**NA**	**NA**	**NA**	**NA**	**NA**
S-22A	**01/28/2010**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**8600**	**NA**	**NA**	**NA**	**NA**	**NA**
S-22B	11/11/2008	<10.0	<10.0	25.7	30.2	<5.00	<5.00	<100	1210	<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	1850	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	1250	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	1300	80	12	<0.10	0.610	NA
S-22B	02/12/2009	<10.0	<10.0	436	450	984	1030	<100	590	9800	10300	40	<0.20	2.4	11000	500	86	<0.10	NA	NA
S-22B	03/12/2009	15.3	17.0	551	522	2760	2520	<100	227	17900	16500	24 d	<0.50 d	1.1 d	11000	560	34	<0.10	0.227	NA
S-22B	04/09/2009	<10.0	<10.0	337	279	7640	6900	NA	NA	NA	NA	NA	NA	NA	9400	260	66	NA	NA	NA
S-22B	05/18/2009	<10.0	<10.0	187	192	5670	5470	NA	NA	NA	NA	NA	NA	NA	6400	190	56	NA	NA	NA
S-22B	07/23/2009	<10.0	<10.0	200	200	3890	3790	NA	NA	NA	NA	NA	NA	NA	6100	180 g	122	NA	NA	NA
S-23	02/12/2009	<10.0	<10.0	6.20	26.2	149	141	<100	7840	2580	2450	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	2770	1320	1350	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	3580	3460	NA	NA	NA	NA	NA	NA	NA	9100	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
S-23	07/23/2009	<10.0	<10.0	17.1	28.2	35.1	45.4	NA	NA	NA	NA	NA	NA	NA	120	15	75	NA	NA	NA
S-23	10/01/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1300	NA	NA	NA	NA	NA
S-23	**11/09/2009**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**650**	**NA**	**NA**	**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-23	12/01/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	360	NA	NA	NA	NA	NA
S-23	01/28/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	260	NA	NA	NA	NA	NA

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:
) = Dilution analysis was run out of hold time
: = Aqueous sample that contains greater than ~1 vol.% sediment.
H= The reporting limit is elevated resulting from matrix interference.
>= Sample analyzed outside recommended holding time.
= Discrepancy between dissolved chromium, total chromium, and hexavalent chromium. Total and dissolved values are significantly less than hexavalent chromium result.
J = Dilution analysis was performed outside the recommended holding time.

Calscience
Environmental
Laboratories, Inc.

Supplemental Report 1

November 30, 2009

The original report has been revised/corrected.

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

Subject: **Calscience Work Order No.:** **09-11-0856**
Client Reference: **461 8th Street, Oakland, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/11/2009 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.
Xuan H. Dang
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 11/11/09
Work Order No: 09-11-0856
Preparation: N/A
Method: EPA 300.0

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	09-11-0856-1-D	11/09/09 09:15	Aqueous	IC 7	N/A	11/11/09 21:25	091111L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	17	1.0	1		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-13	09-11-0856-2-D	11/09/09 10:05	Aqueous	IC 7	N/A	11/11/09 21:42	091111L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	2300	50	50		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-18	09-11-0856-5-D	11/09/09 11:30	Aqueous	IC 7	N/A	11/11/09 22:00	091111L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	2100	50	50		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20	09-11-0856-7-D	11/09/09 10:45	Aqueous	IC 7	N/A	11/11/09 22:52	091111L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	5400	100	100		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21A	09-11-0856-8-D	11/09/09 12:25	Aqueous	IC 7	N/A	11/11/09 23:09	091111L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	3500	100	100		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22A	09-11-0856-9-D	11/09/09 11:45	Aqueous	IC 7	N/A	11/11/09 23:27	091111L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	21000	400	400		mg/L

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received: 11/11/09
1680 Rogers Avenue	Work Order No: 09-11-0856
San Jose, CA 95112-1105	Preparation: N/A
	Method: EPA 300.0

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-23	09-11-0856-10-D	11/09/09 10:25	Aqueous	IC 7	N/A	11/11/09 23:44	091111L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	650	10	10		mg/L

Method Blank	099-12-906-614	N/A	Aqueous	IC 7	N/A	11/11/09 09:14	091111L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	ND	1.0	1		mg/L

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 11/11/09
Work Order No: 09-11-0856
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	09-11-0856-1-B	11/09/09 09:15	Aqueous	GC/MS T	11/16/09	11/17/09 08:49	091116L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	260	1.0	2		Xylenes (total)	81	2.0	2	
Ethylbenzene	67	2.0	2		TPPH	1400	100	2	
Toluene	21	2.0	2						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	109	80-132			1,2-Dichloroethane-d4	126	80-141		
Toluene-d8	100	80-120			Toluene-d8-TPPH	101	88-112		
1,4-Bromofluorobenzene	107	76-120							

S-13	09-11-0856-2-B	11/09/09 10:05	Aqueous	GC/MS T	11/16/09	11/17/09 09:19	091116L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	1100	5.0	10		Xylenes (total)	1800	10	10	
Ethylbenzene	300	10	10		TPPH	15000	500	10	
Toluene	1500	10	10						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	108	80-132			1,2-Dichloroethane-d4	122	80-141		
Toluene-d8	101	80-120			Toluene-d8-TPPH	101	88-112		
1,4-Bromofluorobenzene	105	76-120							

S-14R	09-11-0856-3-C	11/09/09 09:45	Aqueous	GC/MS T	11/18/09	11/18/09 17:25	091118L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	47	0.50	1		Xylenes (total)	39	1.0	1	
Ethylbenzene	11	1.0	1		TPPH	330	50	1	
Toluene	21	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	110	80-132			1,2-Dichloroethane-d4	116	80-141		
Toluene-d8	103	80-120			Toluene-d8-TPPH	103	88-112		
1,4-Bromofluorobenzene	105	76-120							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received:	11/11/09
Work Order No:	09-11-0856
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	09-11-0856-4-B	11/09/09 11:10	Aqueous	GC/MS T	11/16/09	11/17/09 10:18	091116L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	260	2.5	5		Xylenes (total)	500	5.0	5	
Ethylbenzene	56	5.0	5		TPPH	5300	250	5	
Toluene	330	5.0	5						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	107	80-132			1,2-Dichloroethane-d4	121	80-141		
Toluene-d8	102	80-120			Toluene-d8-TPPH	103	88-112		
1,4-Bromofluorobenzene	108	76-120							

S-18	09-11-0856-5-B	11/09/09 11:30	Aqueous	GC/MS T	11/16/09	11/17/09 10:47	091116L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	79	0.50	1		Xylenes (total)	1.1	1.0	1	
Ethylbenzene	5.3	1.0	1		TPPH	1100	50	1	
Toluene	8.9	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	106	80-132			1,2-Dichloroethane-d4	116	80-141		
Toluene-d8	99	80-120			Toluene-d8-TPPH	99	88-112		
1,4-Bromofluorobenzene	105	76-120							

S-19	09-11-0856-6-B	11/09/09 09:25	Aqueous	GC/MS T	11/16/09	11/17/09 11:17	091116L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	140	0.50	1		Xylenes (total)	160	1.0	1	
Ethylbenzene	41	1.0	1		TPPH	1600	50	1	
Toluene	160	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	106	80-132			1,2-Dichloroethane-d4	120	80-141		
Toluene-d8	102	80-120			Toluene-d8-TPPH	103	88-112		
1,4-Bromofluorobenzene	107	76-120							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 11/11/09
Work Order No: 09-11-0856
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	09-11-0856-7-B	11/09/09 10:45	Aqueous	GC/MS T	11/16/09	11/17/09 11:46	091116L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	1600	10	20		Xylenes (total)	2500	20	20	
Ethylbenzene	300	20	20		TPPH	21000	1000	20	
Toluene	740	20	20						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	107	80-132			1,2-Dichloroethane-d4	120	80-141		
Toluene-d8	101	80-120			Toluene-d8-TPPH	101	88-112		
1,4-Bromofluorobenzene	106	76-120							

S-21A	09-11-0856-8-B	11/09/09 12:25	Aqueous	GC/MS T	11/16/09	11/17/09 12:16	091116L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	3500	25	50		Xylenes (total)	4800	50	50	
Ethylbenzene	600	50	50		TPPH	41000	2500	50	
Toluene	5800	50	50						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	108	80-132			1,2-Dichloroethane-d4	122	80-141		
Toluene-d8	100	80-120			Toluene-d8-TPPH	101	88-112		
1,4-Bromofluorobenzene	107	76-120							

S-22A	09-11-0856-9-B	11/09/09 11:45	Aqueous	GC/MS T	11/16/09	11/17/09 12:45	091116L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2700	25	50		Xylenes (total)	1300	50	50	
Ethylbenzene	190	50	50		TPPH	18000	2500	50	
Toluene	2000	50	50						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	109	80-132			1,2-Dichloroethane-d4	120	80-141		
Toluene-d8	100	80-120			Toluene-d8-TPPH	101	88-112		
1,4-Bromofluorobenzene	107	76-120							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 11/11/09
Work Order No: 09-11-0856
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-23	09-11-0856-10-B	11/09/09 10:25	Aqueous	GC/MS T	11/16/09	11/17/09 13:14	091116L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	84	2.5	5		Xylenes (total)	400	5.0	5	
Ethylbenzene	90	5.0	5		TPPH	3200	250	5	
Toluene	330	5.0	5						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	110	80-132			1,2-Dichloroethane-d4	122	80-141		
Toluene-d8	100	80-120			Toluene-d8-TPPH	101	88-112		
1,4-Bromofluorobenzene	106	76-120							

Method Blank	099-12-767-2,862	N/A	Aqueous	GC/MS T	11/16/09	11/17/09 04:53	091116L02

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	80-132			1,2-Dichloroethane-d4	117	80-141		
Toluene-d8	103	80-120			Toluene-d8-TPPH	104	88-112		
1,4-Bromofluorobenzene	107	76-120							

Method Blank	099-12-767-2,865	N/A	Aqueous	GC/MS T	11/18/09	11/18/09 15:27	091118L01

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	104	80-132			1,2-Dichloroethane-d4	110	80-141		
Toluene-d8	106	80-120			Toluene-d8-TPPH	106	88-112		
1,4-Bromofluorobenzene	105	76-120							

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc.	Date Received: 11/11/09
1680 Rogers Avenue	Work Order No: 09-11-0856
San Jose, CA 95112-1105	Preparation: N/A
	Method: EPA 300.0

Project 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-11-0862-1	Aqueous	IC 7	N/A	11/11/09	091111S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Sulfate	102	101	80-120	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 11/11/09
Work Order No: 09-11-0856
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
09-11-0973-3	Aqueous	GC/MS T	11/16/09	11/17/09	091116S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	99	95	72-120	4	0-20	
Carbon Tetrachloride	131	126	63-135	4	0-20	
Chlorobenzene	100	97	80-120	2	0-20	
1,2-Dibromoethane	103	100	80-120	3	0-20	
1,2-Dichlorobenzene	98	95	80-120	4	0-20	
1,1-Dichloroethene	107	102	60-132	5	0-24	
Ethylbenzene	103	99	78-120	4	0-20	
Toluene	103	99	74-122	4	0-20	
Trichloroethene	106	102	69-120	4	0-20	
Vinyl Chloride	123	118	58-130	4	0-20	
Methyl-t-Butyl Ether (MTBE)	94	91	72-126	2	0-21	
Tert-Butyl Alcohol (TBA)	105	98	72-126	7	0-20	
Diisopropyl Ether (DIPE)	84	81	71-137	4	0-23	
Ethyl-t-Butyl Ether (ETBE)	79	79	74-128	0	0-20	
Tert-Amyl-Methyl Ether (TAME)	81	81	76-124	0	0-20	
Ethanol	103	90	35-167	14	0-48	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 11/11/09
Work Order No: 09-11-0856
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
09-11-1189-1	Aqueous	GC/MS T	11/18/09	11/18/09	091118S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	102	101	72-120	1	0-20	
Carbon Tetrachloride	128	128	63-135	0	0-20	
Chlorobenzene	98	97	80-120	1	0-20	
1,2-Dibromoethane	102	101	80-120	1	0-20	
1,2-Dichlorobenzene	99	98	80-120	0	0-20	
1,1-Dichloroethene	97	97	60-132	1	0-24	
Ethylbenzene	105	103	78-120	1	0-20	
Toluene	107	106	74-122	1	0-20	
Trichloroethene	106	106	69-120	0	0-20	
Vinyl Chloride	135	134	58-130	1	0-20	3
Methyl-t-Butyl Ether (MTBE)	104	105	72-126	1	0-21	
Tert-Butyl Alcohol (TBA)	100	95	72-126	5	0-20	
Diisopropyl Ether (DIPE)	82	83	71-137	1	0-23	
Ethyl-t-Butyl Ether (ETBE)	89	90	74-128	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	99	101	76-124	2	0-20	
Ethanol	88	88	35-167	1	0-48	

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: 09-11-0856
San Jose, CA 95112-1105	Preparation: N/A
	Method: EPA 300.0

Project: 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-906-614	Aqueous	IC 7	N/A	11/11/09	091111L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Sulfate	100	100	90-110	0	0-15	

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: 09-11-0856
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
099-12-767-2,862	Aqueous	GC/MS T	11/16/09	11/17/09	091116L02

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	92	99	80-122	73-129	8	0-20	
Carbon Tetrachloride	116	123	68-140	56-152	6	0-20	
Chlorobenzene	95	101	80-120	73-127	6	0-20	
1,2-Dibromoethane	97	102	80-121	73-128	4	0-20	
1,2-Dichlorobenzene	96	102	80-120	73-127	6	0-20	
1,1-Dichloroethene	95	100	72-132	62-142	6	0-25	
Ethylbenzene	98	103	80-126	72-134	5	0-20	
Toluene	98	105	80-121	73-128	7	0-20	
Trichloroethene	100	109	80-123	73-130	9	0-20	
Vinyl Chloride	104	114	67-133	56-144	9	0-20	
Methyl-t-Butyl Ether (MTBE)	89	94	75-123	67-131	5	0-20	
Tert-Butyl Alcohol (TBA)	96	104	75-123	67-131	8	0-20	
Diisopropyl Ether (DIPE)	79	84	71-131	61-141	6	0-20	
Ethyl-t-Butyl Ether (ETBE)	77	83	76-124	68-132	7	0-20	
Tert-Amyl-Methyl Ether (TAME)	81	88	80-123	73-130	8	0-20	
Ethanol	92	106	61-139	48-152	14	0-27	
TPPH	110	109	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: 09-11-0856
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
099-12-767-2,865	Aqueous	GC/MS T	11/18/09	11/18/09	091118L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	99	104	80-122	73-129	4	0-20	
Carbon Tetrachloride	125	127	68-140	56-152	1	0-20	
Chlorobenzene	98	101	80-120	73-127	4	0-20	
1,2-Dibromoethane	100	102	80-121	73-128	2	0-20	
1,2-Dichlorobenzene	100	106	80-120	73-127	6	0-20	
1,1-Dichloroethene	96	96	72-132	62-142	1	0-25	
Ethylbenzene	105	108	80-126	72-134	3	0-20	
Toluene	104	110	80-121	73-128	5	0-20	
Trichloroethene	105	109	80-123	73-130	3	0-20	
Vinyl Chloride	117	121	67-133	56-144	3	0-20	
Methyl-t-Butyl Ether (MTBE)	103	108	75-123	67-131	5	0-20	
Tert-Butyl Alcohol (TBA)	99	101	75-123	67-131	2	0-20	
Diisopropyl Ether (DIPE)	81	83	71-131	61-141	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	90	93	76-124	68-132	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	103	108	80-123	73-130	5	0-20	
Ethanol	90	99	61-139	48-152	10	0-27	
TPPH	116	106	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.

Glossary of Terms and Qualifiers

Work Order Number: 09-11-0856

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: Peter Schaefer 241501
PO #:
INCIDENT # (ENV SERVICES): 97093399 ☐ CHECK IF NO INCIDENT # APPLIES
SAP #:
DATE: 11/9/09
PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services
LOG CODE: BTSS
ADDRESS: 1680 Rogers Ave, San Jose, CA 95112
PROJECT CONTACT (Hardcopy or PDF Report to): Michael Ninokata Copy to Shell.Lab.Billing@craworld.com
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: 09404-RM1
BTS #:
SAMPLER NAME(S) (Print): R. McCarthy
LAB USE ONLY: 09-11-0856

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	TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
1	S-9	11/4/09	0915	W	3			1		4	X	X				X				
2	S-13		1005		3			1		4	X	X				X				
3	S-14R		0945		3						X	X								
4	S-17		1110		3						X	X								
5	S-18		1130		3			1		4	X	X				X				
6	S-19		0925		3						X	X								
7	S-20		1045		3			1		4	X	X				X				
8	S-21A		1225		3			1		4	X	X				X				
9	S-22A		1145		3			1		4	X	X				X				
10	S-23		1025		3			1		4	X	X				X				

Relinquished by: (Signature)	Received by: (Signature) (Sample Retention)	Date: 11/9/09	Time: 1640
Relinquished by: (Signature)	Received by: (Signature)	Date: 11/10/09	Time: 1000
Relinquished by: (Signature) CO 11-10-09 GSO 1730 GSO53003844	Received by: (Signature)	Date: 11/11/09	Time: 1000

05/2/06 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-11-0856

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: BTS DATE: 11/11/09

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

Temperature 3.6 °C - 0.8 °C (CF) = 2.8 °C ☑ Blank ☐ Sample

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

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

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

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

CUSTODY SEALS INTACT:

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

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Initial:** 80

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** ☐100PJ ☐100PJ**na$_2$** ☑500PJ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Checked by:** 80

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

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:** 80

Philip Sanelle

From: Mike Ninokata [mNinokata@blainetech.com]
Sent: Monday, November 30, 2009 2:05 PM
To: Philip Sanelle; Jamye Blackwood; Nicole Park
Subject: RE: 461 8th Street, Oakland, CA / CEL 09-11-0856
Attachments: image001.jpg

Hi Phil,

I need to request a revision to this lab.

Well ID reported as S-7 (09-11-0856-1-D) needs to be revised to S-9.

The correct well ID is S-9, tech wrote S-9 but it looks like a 7 due to the pen breaking up.

Please let me know if you have any concerns.

Thx, Mike

From: Philip Sanelle [mailto:PSanelle@calscience.com]
Sent: Monday, November 23, 2009 4:12 PM
To: Jamye Blackwood; Mike Ninokata; Nicole Park; Tynisha Malone
Cc: shell.lab.billing@craworld.com
Subject: 461 8th Street, Oakland, CA / CEL 09-11-0856

<<09-11-0856.pdf>>

Philip Sanelle
Project Manager Assistant
Calscience Environmental Laboratories, Inc.
7440 Lincoln Way
Garden Grove, CA 92841-1427
Phone: 714-895-5494 x210
Fax: 714-894-7501
PSanelle@calscience.com

The difference is service

2009 Thanksgiving Holiday business hours:

Nov. 26, Thursday - Lab closed for all activities

Nov. 27, Friday – 0830-1730 - Sample receiving only (No courier service or project management)

Nov. 28, Saturday – 0830-1730 - Sample receiving only (No courier service or project management)

Calscience
Environmental
Laboratories, Inc.

December 16, 2009

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

Subject: **Calscience Work Order No.:** **09-12-0356**
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 12/4/2009 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.
Xuan H. Dang
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/04/09
Work Order No: 09-12-0356
Preparation: N/A
Method: EPA 300.0

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	09-12-0356-1-D	12/01/09 15:20	Aqueous	IC 7	N/A	12/04/09 21:47	091204L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	14000	200	200		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21A	09-12-0356-2-D	12/01/09 15:10	Aqueous	IC 7	N/A	12/04/09 22:04	091204L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	2900	50	50		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-18	09-12-0356-3-D	12/01/09 14:15	Aqueous	IC 7	N/A	12/04/09 22:22	091204L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	1300	20	20		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20	09-12-0356-5-D	12/01/09 13:10	Aqueous	IC 7	N/A	12/04/09 22:39	091204L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	5500	100	100		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-23	09-12-0356-6-D	12/01/09 12:45	Aqueous	IC 7	N/A	12/04/09 22:56	091204L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	360	5.0	5		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-13	09-12-0356-7-D	12/01/09 12:20	Aqueous	IC 7	N/A	12/04/09 23:14	091204L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	4900	50	50		mg/L

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received: 12/04/09
1680 Rogers Avenue	Work Order No: 09-12-0356
San Jose, CA 95112-1105	Preparation: N/A
	Method: EPA 300.0

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	09-12-0356-9-D	12/01/09 11:35	Aqueous	IC 7	N/A	12/04/09 23:31	091204L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	14	1.0	1		mg/L

Method Blank	099-12-906-645	N/A	Aqueous	IC 7	N/A	12/04/09 12:27	091204L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	ND	1.0	1		mg/L

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received: 12/04/09
1680 Rogers Avenue	Work Order No: 09-12-0356
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-22A	09-12-0356-1-C	12/01/09 15:20	Aqueous	GC/MS LL	12/11/09	12/11/09 16:54	091211L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2300	12	25		Xylenes (total)	2000	25	25	
Ethylbenzene	270	25	25		TPPH	24000	1200	25	
Toluene	2300	25	25						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	80-132		1,2-Dichloroethane-d4	98	80-141	
Toluene-d8	97	80-120		Toluene-d8-TPPH	97	88-112	
1,4-Bromofluorobenzene	95	76-120					

S-21A	09-12-0356-2-B	12/01/09 15:10	Aqueous	GC/MS LL	12/11/09	12/11/09 17:26	091211L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	3100	50	100		Xylenes (total)	4900	100	100	
Ethylbenzene	640	100	100		TPPH	43000	5000	100	
Toluene	6700	100	100						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	95	80-132		1,2-Dichloroethane-d4	100	80-141	
Toluene-d8	96	80-120		Toluene-d8-TPPH	97	88-112	
1,4-Bromofluorobenzene	95	76-120					

S-18	09-12-0356-3-B	12/01/09 14:15	Aqueous	GC/MS LL	12/11/09	12/11/09 17:58	091211L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	50	0.50	1		Xylenes (total)	1.2	1.0	1	
Ethylbenzene	2.7	1.0	1		TPPH	570	50	1	
Toluene	7.5	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	80-132		1,2-Dichloroethane-d4	100	80-141	
Toluene-d8	97	80-120		Toluene-d8-TPPH	97	88-112	
1,4-Bromofluorobenzene	95	76-120					

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: 12/04/09
Work Order No: 09-12-0356
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	09-12-0356-4-B	12/01/09 13:48	Aqueous	GC/MS LL	12/11/09	12/11/09 18:30	091211L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	190	1.0	2		Xylenes (total)	240	2.0	2	
Ethylbenzene	52	2.0	2		TPPH	3300	100	2	
Toluene	210	2.0	2						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	99	80-132		1,2-Dichloroethane-d4	101	80-141	
Toluene-d8	98	80-120		Toluene-d8-TPPH	98	88-112	
1,4-Bromofluorobenzene	97	76-120					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20	09-12-0356-5-B	12/01/09 13:10	Aqueous	GC/MS LL	12/11/09	12/11/09 19:01	091211L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	1100	5.0	10		Xylenes (total)	1200	10	10	
Ethylbenzene	160	10	10		TPPH	12000	500	10	
Toluene	450	10	10						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	99	80-132		1,2-Dichloroethane-d4	101	80-141	
Toluene-d8	97	80-120		Toluene-d8-TPPH	97	88-112	
1,4-Bromofluorobenzene	96	76-120					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-23	09-12-0356-6-C	12/01/09 12:45	Aqueous	GC/MS LL	12/11/09	12/11/09 14:12	091211L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	47	0.50	1		Xylenes (total)	190	1.0	1	
Ethylbenzene	50	1.0	1		TPPH	1800	50	1	
Toluene	180	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	80-132		1,2-Dichloroethane-d4	100	80-141	
Toluene-d8	98	80-120		Toluene-d8-TPPH	98	88-112	
1,4-Bromofluorobenzene	97	76-120					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	12/04/09
1680 Rogers Avenue	Work Order No:	09-12-0356
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-13	09-12-0356-7-C	12/01/09 12:20	Aqueous	GC/MS LL	12/11/09	12/11/09 19:33	091211L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	210	1.0	2		Xylenes (total)	36	2.0	2	
Ethylbenzene	34	2.0	2		TPPH	1600	100	2	
Toluene	190	2.0	2						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	99	80-132			1,2-Dichloroethane-d4	99	80-141		
Toluene-d8	96	80-120			Toluene-d8-TPPH	95	88-112		
1,4-Bromofluorobenzene	97	76-120							

S-14R	09-12-0356-8-C	12/01/09 11:42	Aqueous	GC/MS LL	12/11/09	12/11/09 20:04	091211L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	38	0.50	1		Xylenes (total)	39	1.0	1	
Ethylbenzene	12	1.0	1		TPPH	420	50	1	
Toluene	27	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	94	80-132			1,2-Dichloroethane-d4	97	80-141		
Toluene-d8	97	80-120			Toluene-d8-TPPH	97	88-112		
1,4-Bromofluorobenzene	98	76-120							

S-9	09-12-0356-9-C	12/01/09 11:35	Aqueous	GC/MS LL	12/11/09	12/11/09 20:35	091211L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	110	0.50	1		Xylenes (total)	59	1.0	1	
Ethylbenzene	26	1.0	1		TPPH	1100	50	1	
Toluene	11	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	96	80-132			1,2-Dichloroethane-d4	98	80-141		
Toluene-d8	98	80-120			Toluene-d8-TPPH	98	88-112		
1,4-Bromofluorobenzene	95	76-120							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	12/04/09
1680 Rogers Avenue		Work Order No:	09-12-0356
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-19	09-12-0356-10-C	12/01/09 11:00	Aqueous	GC/MS LL	12/11/09	12/11/09 21:06	091211L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	150	1.0	2		Xylenes (total)	170	2.0	2	
Ethylbenzene	45	2.0	2		TPPH	1600	100	2	
Toluene	180	2.0	2						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	96	80-132			1,2-Dichloroethane-d4	99	80-141		
Toluene-d8	98	80-120			Toluene-d8-TPPH	98	88-112		
1,4-Bromofluorobenzene	95	76-120							

Method Blank	099-12-767-2,977	N/A	Aqueous	GC/MS LL	12/11/09	12/11/09 13:41	091211L01

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	96	80-132			1,2-Dichloroethane-d4	99	80-141		
Toluene-d8	97	80-120			Toluene-d8-TPPH	97	88-112		
1,4-Bromofluorobenzene	97	76-120							

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: 12/04/09
Work Order No: 09-12-0356
Preparation: N/A
Method: EPA 300.0

Project 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-12-0337-2	Aqueous	IC 7	N/A	12/04/09	091204S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Sulfate	98	98	80-120	0	0-20	

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: 12/04/09
Work Order No: 09-12-0356
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-23	Aqueous	GC/MS LL	12/11/09	12/11/09	091211S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	57	64	72-120	5	0-20	3
Carbon Tetrachloride	84	90	63-135	7	0-20	
Chlorobenzene	90	91	80-120	1	0-20	
1,2-Dibromoethane	88	90	80-120	2	0-20	
1,2-Dichlorobenzene	90	94	80-120	4	0-20	
1,1-Dichloroethene	85	88	60-132	4	0-24	
Ethylbenzene	64	65	78-120	1	0-20	3
Toluene	0	6	74-122	2	0-20	3
Trichloroethene	87	90	69-120	4	0-20	
Vinyl Chloride	99	91	58-130	9	0-20	
Methyl-t-Butyl Ether (MTBE)	83	89	72-126	7	0-21	
Tert-Butyl Alcohol (TBA)	88	92	72-126	5	0-20	
Diisopropyl Ether (DIPE)	89	95	71-137	7	0-23	
Ethyl-t-Butyl Ether (ETBE)	83	88	74-128	6	0-20	
Tert-Amyl-Methyl Ether (TAME)	84	87	76-124	4	0-20	
Ethanol	98	92	35-167	6	0-48	

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: 09-12-0356
San Jose, CA 95112-1105	Preparation: N/A
	Method: EPA 300.0

Project: 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-906-645	Aqueous	IC 7	N/A	12/04/09	091204L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Sulfate	95	96	90-110	1	0-15	

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:	09-12-0356
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B

Project: 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-2,977	Aqueous	GC/MS LL	12/11/09	12/11/09	091211L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	95	93	80-122	73-129	1	0-20	
Carbon Tetrachloride	97	97	68-140	56-152	0	0-20	
Chlorobenzene	98	97	80-120	73-127	1	0-20	
1,2-Dibromoethane	96	94	80-121	73-128	2	0-20	
1,2-Dichlorobenzene	100	98	80-120	73-127	2	0-20	
1,1-Dichloroethene	94	90	72-132	62-142	4	0-25	
Ethylbenzene	99	97	80-126	72-134	1	0-20	
Toluene	95	94	80-121	73-128	1	0-20	
Trichloroethene	98	96	80-123	73-130	2	0-20	
Vinyl Chloride	103	98	67-133	56-144	5	0-20	
Methyl-t-Butyl Ether (MTBE)	93	95	75-123	67-131	3	0-20	
Tert-Butyl Alcohol (TBA)	98	99	75-123	67-131	1	0-20	
Diisopropyl Ether (DIPE)	92	99	71-131	61-141	7	0-20	
Ethyl-t-Butyl Ether (ETBE)	94	92	76-124	68-132	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	95	93	80-123	73-130	1	0-20	
Ethanol	104	97	61-139	48-152	7	0-27	
TPPH	98	96	65-135	53-147	2	0-30	

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

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 09-12-0356

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 (Garden Grove)
- ☐ 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: Peter Schaefer 241501
INCIDENT # (ENV SERVICES): 9 7 0 9 3 3 9 9 ☐ CHECK IF NO INCIDENT # APPLIES
PO #: SAP #:
DATE: 12/1/09
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: 091201-R1 BTS #
PROJECT CONTACT (Hardcopy or PDF Report to): Michael Ninokata Copy to Shell.Lab.Billing@craworld.com		SAMPLER NAME(S) (Print): R. Cornish			LAB USE ONLY: 09-12-0356
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	TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
1	S-22A	12/1/09	1520	W	X			X		4	X	X				X				
2	S-21A		1510		X			X		4	X	X				X				
3	S-18		1415		X			X		4	X	X				X				
4	S-17		1348		X					3	X	X								
5	S-20		1310		X			X		4	X	X				X				
6	S-23		1245		X			X		4	X	X				X				
7	S-13		1220		X			X		4	X	X				X				
8	S-14R		1142		X					3	X	X								
9	S-9		1135		X			X		4	X	X				X				
10	S-19		1100		X					3	X	X								

	Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
1	Robin	Robin (Sample custodian)	12/1/09	1600
2	(Sample Custody) to GSO 12-3-09 1730	Tom O'Malley CEL	12/2/09	1020
3	5131383O6		12/4/09	1000

05/2/06 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-12-0356

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Blaine Tech

DATE: 12/04/09

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

Temperature 4.9 °C - 0.8 °C (CF) = 4.1 °C ☑ Blank ☐ Sample

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

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

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

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

CUSTODY SEALS INTACT:

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

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

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** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Checked by:** JH

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

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:** JH

Calscience
Environmental
Laboratories, Inc.

February 12, 2010

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

Subject: **Calscience Work Order No.: 10-01-2251**
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 1/30/2010 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Philip Hanelle for

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 01/30/10
Work Order No: 10-01-2251
Preparation: N/A
Method: EPA 300.0

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	10-01-2251-5-D	01/28/10 10:15	Aqueous	IC 7	N/A	02/01/10 15:17	100201L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	13	1.0	1		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-13	10-01-2251-8-D	01/28/10 11:35	Aqueous	IC 7	N/A	02/01/10 16:09	100201L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	1400	20	20		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-18	10-01-2251-11-D	01/28/10 11:05	Aqueous	IC 7	N/A	02/01/10 16:27	100201L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	810	10	10		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-20	10-01-2251-13-D	01/28/10 11:20	Aqueous	IC 7	N/A	02/01/10 16:44	100201L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	5500	100	100		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21A	10-01-2251-14-D	01/28/10 12:10	Aqueous	IC 7	N/A	02/01/10 17:02	100201L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	2200	50	50		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22A	10-01-2251-16-D	01/28/10 11:50	Aqueous	IC 7	N/A	02/01/10 17:19	100201L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	8600	200	200		mg/L

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:	01/30/10
Work Order No:	10-01-2251
Preparation:	N/A
Method:	EPA 300.0

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-23	10-01-2251-18-D	01/28/10 11:25	Aqueous	IC 7	N/A	02/01/10 17:36	100201L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	260	10	10		mg/L

Method Blank	099-12-906-743	N/A	Aqueous	IC 7	N/A	02/01/10 09:23	100201L01

Parameter	Result	RL	DF	Qual	Units
Sulfate	ND	1.0	1		mg/L

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	01/30/10
1680 Rogers Avenue	Work Order No:	10-01-2251
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	ug/L
Project: 461 8th Street, Oakland, CA		Page 1 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-4	10-01-2251-1-A	01/28/10 13:50	Aqueous	GC/MS T	02/04/10	02/04/10 15:16	100204L01

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	106	80-132		1,2-Dichloroethane-d4	114	80-141	
Toluene-d8	103	80-120		Toluene-d8-TPPH	105	88-112	
1,4-Bromofluorobenzene	104	76-120					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5	10-01-2251-2-A	01/28/10 10:15	Aqueous	GC/MS T	02/04/10	02/04/10 16:47	100204L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	1200	10	20		Xylenes (total)	3600	20	20	
Ethylbenzene	1500	20	20		TPPH	35000	1000	20	
Toluene	1900	20	20						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	105	80-132		1,2-Dichloroethane-d4	109	80-141	
Toluene-d8	104	80-120		Toluene-d8-TPPH	107	88-112	
1,4-Bromofluorobenzene	106	76-120					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-6	10-01-2251-3-C	01/28/10 10:35	Aqueous	GC/MS W	02/10/10	02/10/10 20:51	100210L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2600	10	20		Xylenes (total)	400	20	20	
Ethylbenzene	200	20	20		TPPH	8700	1000	20	
Toluene	250	20	20						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	119	80-132		1,2-Dichloroethane-d4	122	80-141	
Toluene-d8	99	80-120		Toluene-d8-TPPH	98	88-112	
1,4-Bromofluorobenzene	95	76-120					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	01/30/10
1680 Rogers Avenue	Work Order No:	10-01-2251
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-8	10-01-2251-4-A	01/28/10 11:00	Aqueous	GC/MS T	02/04/10	02/04/10 17:48	100204L01

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	108	80-132			1,2-Dichloroethane-d4	119	80-141		
Toluene-d8	104	80-120			Toluene-d8-TPPH	105	88-112		
1,4-Bromofluorobenzene	104	76-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-9	10-01-2251-5-A	01/28/10 10:15	Aqueous	GC/MS T	02/04/10	02/04/10 18:16	100204L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	130	0.50	1		Xylenes (total)	79	1.0	1	
Ethylbenzene	38	1.0	1		TPPH	860	50	1	
Toluene	9.3	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	107	80-132			1,2-Dichloroethane-d4	114	80-141		
Toluene-d8	102	80-120			Toluene-d8-TPPH	105	88-112		
1,4-Bromofluorobenzene	101	76-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10	10-01-2251-6-A	01/28/10 11:50	Aqueous	GC/MS T	02/04/10	02/04/10 18:48	100204L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	3.6	1.0	1		TPPH	100	50	1	
Toluene	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	108	80-132			1,2-Dichloroethane-d4	113	80-141		
Toluene-d8	105	80-120			Toluene-d8-TPPH	107	88-112		
1,4-Bromofluorobenzene	103	76-120							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	01/30/10
1680 Rogers Avenue	Work Order No:	10-01-2251
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-12	10-01-2251-7-A	01/28/10 09:40	Aqueous	GC/MS T	02/04/10	02/04/10 19:19	100204L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	14	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	19	1.0	1		TPPH	110	50	1	
Toluene	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	109	80-132			1,2-Dichloroethane-d4	115	80-141		
Toluene-d8	104	80-120			Toluene-d8-TPPH	106	88-112		
1,4-Bromofluorobenzene	102	76-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-13	10-01-2251-8-A	01/28/10 11:35	Aqueous	GC/MS T	02/04/10	02/04/10 19:49	100204L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	370	1.0	2		Xylenes (total)	680	2.0	2	
Ethylbenzene	100	2.0	2		TPPH	5900	100	2	
Toluene	930	10	10						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	106	80-132			1,2-Dichloroethane-d4	114	80-141		
Toluene-d8	102	80-120			Toluene-d8-TPPH	105	88-112		
1,4-Bromofluorobenzene	106	76-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-14R	10-01-2251-9-A	01/28/10 11:40	Aqueous	GC/MS T	02/04/10	02/04/10 20:19	100204L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	45	0.50	1		Xylenes (total)	32	1.0	1	
Ethylbenzene	11	1.0	1		TPPH	270	50	1	
Toluene	27	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	106	80-132			1,2-Dichloroethane-d4	113	80-141		
Toluene-d8	103	80-120			Toluene-d8-TPPH	106	88-112		
1,4-Bromofluorobenzene	103	76-120							

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: 01/30/10
Work Order No: 10-01-2251
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	10-01-2251-10-A	01/28/10 10:35	Aqueous	GC/MS T	02/04/10	02/04/10 20:49	100204L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	260	1.0	2		Xylenes (total)	310	2.0	2	
Ethylbenzene	85	2.0	2		TPPH	3500	100	2	
Toluene	250	2.0	2						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	104	80-132			1,2-Dichloroethane-d4	110	80-141		
Toluene-d8	104	80-120			Toluene-d8-TPPH	106	88-112		
1,4-Bromofluorobenzene	103	76-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-18	10-01-2251-11-A	01/28/10 11:05	Aqueous	GC/MS T	02/04/10	02/04/10 21:19	100204L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	170	0.50	1		Xylenes (total)	68	1.0	1	
Ethylbenzene	18	1.0	1		TPPH	1200	50	1	
Toluene	91	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	103	80-132			1,2-Dichloroethane-d4	106	80-141		
Toluene-d8	104	80-120			Toluene-d8-TPPH	106	88-112		
1,4-Bromofluorobenzene	103	76-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-19	10-01-2251-12-A	01/28/10 10:50	Aqueous	GC/MS T	02/04/10	02/04/10 21:49	100204L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	230	5.0	10		Xylenes (total)	300	1.0	1	
Ethylbenzene	71	1.0	1		TPPH	2600	50	1	
Toluene	280	10	10						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	106	80-132			1,2-Dichloroethane-d4	116	80-141		
Toluene-d8	104	80-120			Toluene-d8-TPPH	107	88-112		
1,4-Bromofluorobenzene	107	76-120							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	01/30/10
1680 Rogers Avenue	Work Order No:	10-01-2251
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	10-01-2251-13-B	01/28/10 11:20	Aqueous	GC/MS T	02/05/10	02/05/10 23:32	100205L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2000	10	20		Xylenes (total)	2000	20	20	
Ethylbenzene	260	20	20		TPPH	20000	1000	20	
Toluene	1600	20	20						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	99	80-132		1,2-Dichloroethane-d4	91	80-141	
Toluene-d8	101	80-120		Toluene-d8-TPPH	107	88-112	
1,4-Bromofluorobenzene	98	76-120					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21A	10-01-2251-14-B	01/28/10 12:10	Aqueous	GC/MS T	02/05/10	02/06/10 00:02	100205L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	3900	25	50		Xylenes (total)	6600	50	50	
Ethylbenzene	970	50	50		TPPH	65000	2500	50	
Toluene	9900	50	50						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	80-132		1,2-Dichloroethane-d4	96	80-141	
Toluene-d8	101	80-120		Toluene-d8-TPPH	107	88-112	
1,4-Bromofluorobenzene	99	76-120					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-21B	10-01-2251-15-B	01/28/10 12:00	Aqueous	GC/MS T	02/05/10	02/05/10 21:05	100205L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	11	0.50	1		Xylenes (total)	51	1.0	1	
Ethylbenzene	10	1.0	1		TPPH	810	50	1	
Toluene	6.2	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	98	80-132		1,2-Dichloroethane-d4	94	80-141	
Toluene-d8	102	80-120		Toluene-d8-TPPH	106	88-112	
1,4-Bromofluorobenzene	99	76-120					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	01/30/10
1680 Rogers Avenue	Work Order No:	10-01-2251
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-22A	10-01-2251-16-B	01/28/10 11:50	Aqueous	GC/MS T	02/05/10	02/06/10 00:31	100205L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	3600	12	25		Xylenes (total)	4300	25	25	
Ethylbenzene	620	25	25		TPPH	44000	1200	25	
Toluene	5000	25	25						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	97	80-132		1,2-Dichloroethane-d4	92	80-141	
Toluene-d8	102	80-120		Toluene-d8-TPPH	108	88-112	
1,4-Bromofluorobenzene	100	76-120					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-22B	10-01-2251-17-B	01/28/10 09:35	Aqueous	GC/MS T	02/05/10	02/06/10 01:00	100205L01

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	80-132		1,2-Dichloroethane-d4	99	80-141	
Toluene-d8	101	80-120		Toluene-d8-TPPH	106	88-112	
1,4-Bromofluorobenzene	96	76-120					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-23	10-01-2251-18-C	01/28/10 11:25	Aqueous	GC/MS W	02/10/10	02/10/10 21:20	100210L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	100	5.0	10		Xylenes (total)	650	10	10	
Ethylbenzene	110	10	10		TPPH	3000	500	10	
Toluene	450	10	10						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	118	80-132		1,2-Dichloroethane-d4	121	80-141	
Toluene-d8	104	80-120		Toluene-d8-TPPH	101	88-112	
1,4-Bromofluorobenzene	101	76-120					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	01/30/10
1680 Rogers Avenue	Work Order No:	10-01-2251
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	ug/L
Project: 461 8th Street, Oakland, CA		Page 7 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-767-3,317	N/A	Aqueous	GC/MS T	02/04/10	02/04/10 14:46	100204L01

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	109	80-132			1,2-Dichloroethane-d4	121	80-141		
Toluene-d8	102	80-120			Toluene-d8-TPPH	104	88-112		
1,4-Bromofluorobenzene	102	76-120							

Method Blank	099-12-767-3,340	N/A	Aqueous	GC/MS T	02/05/10	02/05/10 20:36	100205L01

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	80-132			1,2-Dichloroethane-d4	101	80-141		
Toluene-d8	101	80-120			Toluene-d8-TPPH	106	88-112		
1,4-Bromofluorobenzene	96	76-120							

Method Blank	099-12-767-3,371	N/A	Aqueous	GC/MS W	02/10/10	02/10/10 14:03	100210L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	120	80-132			1,2-Dichloroethane-d4	124	80-141		
Toluene-d8	100	80-120			Toluene-d8-TPPH	98	88-112		
1,4-Bromofluorobenzene	93	76-120							

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:	01/30/10
Work Order No:	10-01-2251
Preparation:	N/A
Method:	EPA 300.0

Project 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-9	Aqueous	IC 7	N/A	02/01/10	100201S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Sulfate	106	106	80-120	0	0-20	

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: 01/30/10
Work Order No: 10-01-2251
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-4	Aqueous	GC/MS T	02/04/10	02/04/10	100204S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	102	105	72-120	3	0-20	
Carbon Tetrachloride	102	105	63-135	3	0-20	
Chlorobenzene	97	100	80-120	3	0-20	
1,2-Dibromoethane	107	108	80-120	0	0-20	
1,2-Dichlorobenzene	97	101	80-120	4	0-20	
1,1-Dichloroethene	99	102	60-132	3	0-24	
Ethylbenzene	101	105	78-120	4	0-20	
Toluene	97	103	74-122	6	0-20	
Trichloroethene	100	104	69-120	4	0-20	
Vinyl Chloride	91	95	58-130	4	0-20	
Methyl-t-Butyl Ether (MTBE)	105	107	72-126	2	0-21	
Tert-Butyl Alcohol (TBA)	102	101	72-126	1	0-20	
Diisopropyl Ether (DIPE)	98	101	71-137	3	0-23	
Ethyl-t-Butyl Ether (ETBE)	97	101	74-128	5	0-20	
Tert-Amyl-Methyl Ether (TAME)	100	106	76-124	6	0-20	
Ethanol	99	107	35-167	7	0-48	

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: 01/30/10
Work Order No: 10-01-2251
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-21B	Aqueous	GC/MS T	02/05/10	02/05/10	100205S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	91	87	72-120	3	0-20	
Carbon Tetrachloride	90	89	63-135	1	0-20	
Chlorobenzene	92	89	80-120	3	0-20	
1,2-Dibromoethane	91	85	80-120	6	0-20	
1,2-Dichlorobenzene	94	89	80-120	5	0-20	
1,1-Dichloroethene	88	87	60-132	1	0-24	
Ethylbenzene	93	90	78-120	3	0-20	
Toluene	91	88	74-122	3	0-20	
Trichloroethene	93	89	69-120	4	0-20	
Vinyl Chloride	84	83	58-130	2	0-20	
Methyl-t-Butyl Ether (MTBE)	96	93	72-126	3	0-21	
Tert-Butyl Alcohol (TBA)	124	103	72-126	19	0-20	
Diisopropyl Ether (DIPE)	100	96	71-137	4	0-23	
Ethyl-t-Butyl Ether (ETBE)	100	97	74-128	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	100	97	76-124	3	0-20	
Ethanol	111	88	35-167	24	0-48	

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: 01/30/10
Work Order No: 10-01-2251
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
10-02-0270-11	Aqueous	GC/MS W	02/10/10	02/10/10	100210S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	107	109	72-120	2	0-20	
Carbon Tetrachloride	96	104	63-135	8	0-20	
Chlorobenzene	98	99	80-120	2	0-20	
1,2-Dibromoethane	102	104	80-120	1	0-20	
1,2-Dichlorobenzene	93	93	80-120	1	0-20	
1,1-Dichloroethene	100	103	60-132	3	0-24	
Ethylbenzene	107	107	78-120	0	0-20	
Toluene	105	104	74-122	1	0-20	
Trichloroethene	100	103	69-120	3	0-20	
Vinyl Chloride	86	95	58-130	11	0-20	
Methyl-t-Butyl Ether (MTBE)	100	109	72-126	8	0-21	
Tert-Butyl Alcohol (TBA)	82	86	72-126	4	0-20	
Diisopropyl Ether (DIPE)	103	118	71-137	14	0-23	
Ethyl-t-Butyl Ether (ETBE)	92	107	74-128	15	0-20	
Tert-Amyl-Methyl Ether (TAME)	101	104	76-124	3	0-20	
Ethanol	117	111	35-167	5	0-48	

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: 10-01-2251
San Jose, CA 95112-1105	Preparation: N/A
	Method: EPA 300.0

Project: 461 8th Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-906-743	Aqueous	IC 7	N/A	02/01/10	100201L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Sulfate	99	99	90-110	0	0-15	

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: 10-01-2251
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
099-12-767-3,317	Aqueous	GC/MS T	02/04/10	02/04/10	100204L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	116	116	80-122	73-129	0	0-20	
Carbon Tetrachloride	122	121	68-140	56-152	1	0-20	
Chlorobenzene	109	110	80-120	73-127	1	0-20	
1,2-Dibromoethane	117	122	80-121	73-128	4	0-20	ME
1,2-Dichlorobenzene	107	108	80-120	73-127	1	0-20	
1,1-Dichloroethene	118	119	72-132	62-142	1	0-25	
Ethylbenzene	117	117	80-126	72-134	0	0-20	
Toluene	114	112	80-121	73-128	1	0-20	
Trichloroethene	115	116	80-123	73-130	1	0-20	
Vinyl Chloride	111	113	67-133	56-144	2	0-20	
Methyl-t-Butyl Ether (MTBE)	115	119	75-123	67-131	3	0-20	
Tert-Butyl Alcohol (TBA)	89	100	75-123	67-131	12	0-20	
Diisopropyl Ether (DIPE)	107	108	71-131	61-141	0	0-20	
Ethyl-t-Butyl Ether (ETBE)	110	108	76-124	68-132	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	113	112	80-123	73-130	1	0-20	
Ethanol	83	93	61-139	48-152	11	0-27	
TPPH	109	121	65-135	53-147	11	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: 10-01-2251
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
099-12-767-3,340	Aqueous	GC/MS T	02/05/10	02/05/10	100205L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	95	96	80-122	73-129	1	0-20	
Carbon Tetrachloride	92	93	68-140	56-152	2	0-20	
Chlorobenzene	93	93	80-120	73-127	0	0-20	
1,2-Dibromoethane	97	95	80-121	73-128	2	0-20	
1,2-Dichlorobenzene	95	94	80-120	73-127	1	0-20	
1,1-Dichloroethene	92	93	72-132	62-142	1	0-25	
Ethylbenzene	96	96	80-126	72-134	0	0-20	
Toluene	94	94	80-121	73-128	1	0-20	
Trichloroethene	93	95	80-123	73-130	2	0-20	
Vinyl Chloride	87	87	67-133	56-144	0	0-20	
Methyl-t-Butyl Ether (MTBE)	97	97	75-123	67-131	1	0-20	
Tert-Butyl Alcohol (TBA)	107	103	75-123	67-131	4	0-20	
Diisopropyl Ether (DIPE)	98	96	71-131	61-141	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	97	97	76-124	68-132	0	0-20	
Tert-Amyl-Methyl Ether (TAME)	98	98	80-123	73-130	0	0-20	
Ethanol	90	85	61-139	48-152	6	0-27	
TPPH	101	95	65-135	53-147	6	0-30	

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

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 10-01-2251
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
099-12-767-3,371	Aqueous	GC/MS W	02/10/10	02/10/10	100210L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	100	104	80-122	73-129	4	0-20	
Carbon Tetrachloride	95	97	68-140	56-152	2	0-20	
Chlorobenzene	90	95	80-120	73-127	6	0-20	
1,2-Dibromoethane	98	100	80-121	73-128	2	0-20	
1,2-Dichlorobenzene	88	92	80-120	73-127	4	0-20	
1,1-Dichloroethene	89	92	72-132	62-142	3	0-25	
Ethylbenzene	100	105	80-126	72-134	4	0-20	
Toluene	97	104	80-121	73-128	7	0-20	
Trichloroethene	94	99	80-123	73-130	5	0-20	
Vinyl Chloride	97	96	67-133	56-144	1	0-20	
Methyl-t-Butyl Ether (MTBE)	94	95	75-123	67-131	1	0-20	
Tert-Butyl Alcohol (TBA)	80	84	75-123	67-131	5	0-20	
Diisopropyl Ether (DIPE)	100	103	71-131	61-141	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	92	94	76-124	68-132	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	95	99	80-123	73-130	3	0-20	
Ethanol	94	103	61-139	48-152	9	0-27	
TPPH	94	90	65-135	53-147	4	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: 10-01-2251

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

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: Peter Schaefer 241501
INCIDENT # (ENV SERVICES): 9 7 0 9 3 3 9 9 ☐ CHECK IF NO INCIDENT # APPLIES
DATE: 1/28/10
PO #: SAP #:
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 Copy to Shell.Lab.Billing@craworld.com
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: 100128-WD1
BTS #:
SAMPLER NAME(S) (Print): IAN WILLIAMS / WILLIAM WONG / BEN PANEK
LAB USE ONLY: 10-01-2251

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-4	1/28/10	1350	W	3					3	X	X								
2	S-5		1015							1	X	X								
3	S-6		1035								X	X								
4	S-7		1100							↓	X	X								
5	S-9		1015					1		4	X	X				X				
6	S-10		1150							3	X	X								
7	S-12		0940							3	X	X								
8	S-13		1135					1		4	X	X				X				
9	S-14R		1140							3	X	X								
10	S-17	↓	1035	↓	↓					3	X	X								

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature) SAMPLE CUSTODIAN	Date: 1/28/10	Time: 1525
Relinquished by: (Signature) SHIPPED VIA GSO	Received by: (Signature) CEL 1/30/10	Date: 1/29/10	Time: 1700
Relinquished by: (Signature)	Received by: (Signature) CEL	Date: 1/30/10	Time: 0930

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: Peter Schaefer 241501
INCIDENT # (ENV SERVICES): 9 7 0 9 3 3 9 9 ☐ CHECK IF NO INCIDENT # APPLIES
PO #: SAP #:
DATE: 1/28/10
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: 100128-WW1 | BTS #
PROJECT CONTACT (Hardcopy or PDF Report to): Michael Ninokata Copy to Shell.Lab.Billing@craworld.com
SAMPLER NAME(S) (Print): WILLIHM IAN WILLIAMS / BEN PANELL (WHO DI)
LAB USE ONLY: 10-01-2251
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	TEMPERATURE ON RECEIPT C°	Container PID Readings or Laboratory Notes
11	S-18	1/28/10	1105	W	3			1		4	X	X				X					
12	S-19		1050							3	X	X									
13	S-20		1120					1		4	X	X				X					
14	S-21A		1210					1		4	X	X				X					
15	S-21B		1200							3	X	X									
16	S-22A		1150					1		4	X	X				X					
17	S-22B		0935							3	X	X									
18	S-23		1125					1		4	X	X				X					

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	SAMPLE CUSTODIAN	1/28/10	1525
PPEP VIA GSO		1/29/10	1700
	CEL	1/30/10	0930

06/2/06 Revision

GSO GOLDEN STATE OVERNIGHT

WebShip 800-322-5555 www.gso.com

22251

Ship From:
MICHAEL NINOTAKA
BLAINE TECH SERVICES, INC
1680 ROGERS AVE
SAN JOSE, CA 95112

Ship To:
DON BURLEY
CALSCIENCE
7440 LINCOLN WAY
GARDEN GROVE, CA 92841

COD:
$0.00

Reference:
BTSSJ

Delivery Instructions:
FRAGILE, NON HAZARDOUS

Signature Type:
SIGNATURE REQUIRED

Tracking #: 513477588

SDS

ORC

D

GARDEN GROVE

D92843A

78955370

Print Date : 01/29/10 15:47 PM

Package 1 of 1

Send Label To Printer | Print All | Edit Shipment | Finish

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.

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

ADDITIONAL OPTIONS:

Send Label Via Email | Create Return Label

TERMS AND CONDITIONS:

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

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-01-2251

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: BTS DATE: 01/30/10

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

Temperature 2.4 °C + 0.5 °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: JLD

CUSTODY SEALS INTACT:

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

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

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.			
☐ No analysis requested. ☑ Not relinquished. ☐ No date/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 (3) ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☐500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☐1PB ☐500PB ☐500PBna ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☑500PJ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Checked by:** WSC

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

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:** WSC

WELL GAUGING DATA

Project # 091109-RM1 Date ~~9/11/09~~ nov 11/9/09 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-9	0819	4					22.63	29.71		6
S-13	0824	4					23.41	32.50		9
S-14R	0817	4					22.68	34.86		8
S-17	0832	2					23.52	33.98		14
S-18	0829	2					23.19	33.44		16
S-19	0815	4					22.84	34.53		7
S-20	0821	4					22.72	34.86		13
S-21A	0805	4					23.73	26.50		18
S-22A	0812	4					23.14	26.43		17
S-23	0809	4					23.51	34.71	✓	10

SHELL WELL MONITORING DATA SHEET

BTS #: 091109	Site: 4618 St. Oakland
Sampler: RM	Date: 11/9/09
Well I.D.: S-9	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 29.71	Depth to Water (DTW): 22.63
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]: 24.04	

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: _____

4.6 (Gals.) X	3	=	13.8 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
0858	65.2	5.41	311.2	34	4.6	
0854	67.7	5.65	371.5	35	9.2	
WELL DEWATERED @ 10 Gallons.						
0915	65.4	6.73	384.1	44	—	

Did well dewater? (Yes) No Gallons actually evacuated: 10

Sampling Date: 11/9/09 Sampling Time: 0915 Depth to Water: 22.82

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

SHEET WELL MONITORING DATA SHEET

BTS #: 091109	Site: 461 8th St. Oakland
Sampler: RM	Date: 11/9/09
Well I.D.: S-13	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 32.50	Depth to Water (DTW): 23.41
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]: 25.22	

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
6.0 (Gals.) X	3	= 18.0 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
0955	68.4	*3.95	2191	346	6.0	
0956	71.3	3.29	4874	721	12.0	
0958	70.6	3.37	4850	674	18.0	

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

Sampling Date: 11/9/09 Sampling Time: 1005 Depth to Water: 24.71

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

* checked pH w/ solutions

SHEET WELL MONITORING DATA SHEET

BTS #: 091109	Site: 461 8th St. Oakland
Sampler: RM	Date: 11/9/09
Well I.D.: S-14R	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 34.36	Depth to Water (DTW): 22.68
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]: 25.01	

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
7.4 (Gals.) X	3	= 22.2 Gals.

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
0934	66.7	6.41	574.7	97	7.6	
0956	68.5	6.46	674.9	421	15.2	
	WELL DEWATERED @			16 gallons		
0945	65.9	6.56	492.4	378	—	
						DTW= 28.21

Did well dewater? (Yes) No Gallons actually evacuated: 16

Sampling Date: 11/9/09 Sampling Time: 0945 Depth to Water: 25.00 (measured)

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

SHEET WELL MONITORING DATA SHEET

BTS #: 091109	Site: 1461 8th St. Oakland
Sampler: RM	Date: 11/9/09
Well I.D.: S-17	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 33.98	Depth to Water (DTW): 23.52 10.4
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 / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other_____

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

1.7 (Gals.) X	3	= 5.1 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1057	70.7	5.29	1374	>1000	1.7	cloudy, brown
1101	71.5	5.65	1457	71000	3.4	↓
1104	71.4	5.72	1514	>1000	5.1	

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

Sampling Date: 11/9/09 Sampling Time: 1110 Depth to Water: 23.88

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

SHEET WELL MONITORING DATA SHEET

BTS #: 091109	Site: 461 8th St. Oakland
Sampler: RM	Date: 11/9/09
Well I.D.: S-18	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 33.44	Depth to Water (DTW): 23.19
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]: 25.24	

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: _____

1.7 (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 (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1117	72.7	3.18*	3043	>1000	1.7	brown, cloudy
1120	72.6	3.10	3367	>1000	3.4	↓
1123	72.4	3.10	3403	>1000	5.1	↓

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

Sampling Date: 11/9/09 Sampling Time: 1130 Depth to Water: 23.82

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

* Double checked pH level

SHEET WELL MONITORING DATA SHEET

BTS #: 091109	Site: 461 8th St. Oakland
Sampler: RM	Date: 11/9/09
Well I.D.: S-19	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 34.53	Depth to Water (DTW): 22.44 12.8
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 24.85	

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

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

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
0905	66.8	6.22	575.0	325	7.9	
0907	68.6	6.24	602.1	198	15.8	
0909	68.6	6.32	615.9	>1000	23.7	cloudy
						DTW = 26.01

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

Sampling Date: 11/9/09 Sampling Time: 0925 Depth to Water: 22.81

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

SHEET WELL MONITORING DATA SHEET

BTS #: 091109	Site: 461 8th St. Oakland
Sampler: RM	Date: 11/9/09
Well I.D.: S-20	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 34.86	Depth to Water (DTW): 22.72
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]: 25.14	

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: ____

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	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1036	69.2	4.72	8002	433	7.9	
1038	70.7	4.26	9871	213	15.8	
1040	71.2	4.16	9960	88	23.7	
						DTW=26.78

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

Sampling Date: 11/9/09 Sampling Time: 1045 Depth to Water: 22.78

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

SHELL WELL MONITORING DATA SHEET

BTS #: 091109	Site: 4161 8th St. Oakland
Sampler: RM	Date: 11/9/09
Well I.D.: S-21A	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 20.50	Depth to Water (DTW): 25.75 27
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]: 24.28	

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: _____

1.8 (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	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1210	70.5	*4.02	5294	71000	1.8	
1214	71.7	4.27	5135	71000	3.6	
1218	72.3	4.34	5177	71000	5.4	

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

Sampling Date: 11/9/09 Sampling Time: 1225 Depth to Water: 24.25

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

* Double checked w/ solutions.

SHEET WELL MONITORING DATA SHEET

BTS #: 091109	Site: 461 8th St. Oakland
Sampler: RM	Date: 11/9/09
Well I.D.: S-22A	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 26.43	Depth to Water (DTW): 23.14 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]: 23.79	

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: _____

2.2 (Gals.) X 3 = 6.6 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
1139	69.8	*3.29	13.27	51	2.2	
1140	70.8	2.86	14.02	231	4.4	
1141	70.7	2.84	13.97	243	6.6	

Did well dewater? Yes (No) Gallons actually evacuated: 6.6

Sampling Date: 11/9/09 Sampling Time: 1145 Depth to Water: 23.76

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

* Daisie checked pH w/ Solutions.

SHEET MONITORING DATA SHEET

BTS #: 091109	Site: 461 8th St. Oakland
Sampler: RM	Date: 11/9/09
Well I.D.: S-23	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 34.71	Depth to Water (DTW): 23.51
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]: 25.75	

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: _____

7.3 (Gals.) X 3 = 21.9 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1013	68.0	3.57*	1998	599	7.3	
1015	69.7	3.40	1265	886	14.6	
1017	70.1	3.39	1241	939	21.9	
						DTW= 27.03

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

Sampling Date: 11/9/09 Sampling Time: 1025 Depth to Water: 25.00

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

* checked pH w/ solutions

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 461 8th St. Oakland Date 11/9/09

Job Number 091109 Technician CM 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-22A	X	X							
S-23	X	X							

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

Notes:

WELL GAUGING DATA

Project # 091201-PC1 Date 12/1/09 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 ~~TOE~~	Notes
S-9	959	4					22.44	29.70		
S-13	1002	4					23.15	32.48		
S-14R	1010	4					22.62	34.38		
S-17	940	2					23.41	33.90		
S-18	952	2					23.12	33.45		
S-19	1005	4					22.62	34.52		
S-20	956	4					22.61	34.85		
S-21A	944	4					23.60	26.54		
S-22A	1035	4	Parked over		until	1030	23.10	26.43		
S-23	948	4					23.31	34.70		

SHELL WELL MONITORING DATA SHEET

BTS #: 091201-PC1	Site: 461 8th St., Oakland
Sampler: PC	Date: 12/1/09
Well I.D.: S-9	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 29.70	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]: 23.89	

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
4.7 (Gals.) X	3 =	14.1 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 (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1106	65.6	7.28	289.3	29	4.5	
1109	67.6	7.02	328.4	21	9	
1111	68.2	6.69	322.3	9	14	

Did well dewater? Yes (No) Gallons actually evacuated: 14

Sampling Date: 12/1/09 Sampling Time: 1135 Depth to Water: 22.91

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

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

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):	1.09 mg/L	Post-purge:		mg/L
O.R.P. (if req'd):	Pre-purge:	133 mV	Post-purge:		mV

SHEL[illegible]ELL MONITORING DATA[illegible]EET

BTS #: 091201-PC1	Site: 461 8th St., Oakland
Sampler: PC	Date: 12/1/09
Well I.D.: S-13	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 32.48	Depth to Water (DTW): 23.15
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 25.02	

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
6.1 (Gals.) X	3	= 18.3 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
1205	68.1	4.25	3032	402	6	1210 4th CV
1206	70.1	3.37	3587	358	12	pH/Temp./Cond/T
1208	70.8	3.19	4451	312	18.5	3.11/70.6/4029/146
* DO reading N/A. Meter recalibrated & then sent back down S-13						
Probe sent down S-17 to check reading - 0.85mg/L recorded.						

Did well dewater? Yes (No) Gallons actually evacuated: ~~18.5~~ R 24.4

Sampling Date: 12/1/09 Sampling Time: 1220 Depth to Water: 24.31

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

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

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:	1630 recald 2 Meter 2.21	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	231	mV	Post-purge:	mV

SHEL[illegible] ELL MONITORING DATA [illegible]EET

BTS #: 091201-PC1	Site: 461 8th St., Oakland
Sampler: PC	Date: 12/1/09
Well I.D.: S-14R	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 34.36	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]: 24.97	

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: _____

7.6 (Gals.) X	3	=	22.8 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
1120	66.4	6.76	541.1	53	7.5	
1122	68.5	6.50	536.1	117	15	
1124	68.7	6.57	543.1	98	23	

Did well dewater? Yes (No) Gallons actually evacuated: 23

Sampling Date: 12/1/09 Sampling Time: 1142 Depth to Water: 23.20

Sample I.D.: S-14R 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):	0.45 mg/L	Post-purge:		mg/L
O.R.P. (if req'd):	Pre-purge:	110 mV	Post-purge:		mV

SHELL WELL MONITORING DATA SHEET

BTS #: 091201-PC1	Site: 461 8th St., Oakland
Sampler: PC	Date: 12/1/09
Well I.D.: S-17	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 33.90	Depth to Water (DTW): 23.41
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]: 25.51	

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

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

1.7 (Gals.) X	3	=	5.1 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1332	70.2	5.08	1670	>1000	1.7	brown
1337	70.0	5.89	1417	>1000	3.4	"
1341	70.0	6.04	1327	>1000	5.1	"

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

Sampling Date: 12/1/09 Sampling Time: 1348 Depth to Water: 23.80

Sample I.D.: S-17 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):	0.95 mg/L	Post-purge:		mg/L
O.R.P. (if req'd):	Pre-purge:	450 mV	Post-purge:		mV

SHEL[illegible]ELL MONITORING DATA [illegible]EET

BTS #: 091201-PC1	Site: 461 8th St., Oakland
Sampler: PC	Date: 12/1/09
Well I.D.: S-18	Well Diameter: 2 3 4 6 8 ____
Total Well Depth (TD): 33.45	Depth to Water (DTW): 23.12
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]: 25.19	

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

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

1.7 (Gals.) X	3	=	5.1 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1400	68.4	3.02	2320	>1000	1.7	brown
1404	70.0	2.99	2212	>1000	3.4	↓
1408	66.6	3.06	2196	>1000	5.1	↓
W = Meter checked w/		pH 4.0 buffer				

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

Sampling Date: 12/1/09 Sampling Time: 1415 Depth to Water: 23.20

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

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

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):	4.07 mg/L	Post-purge:		mg/L
O.R.P. (if req'd):	Pre-purge:	460 mV	Post-purge:		mV

SHEL[illegible]ELL MONITORING DATA [illegible]EET

BTS #: 091201-PC1	Site: 461 8th St., Oakland
Sampler: PC	Date: 12/1/09
Well I.D.: S-19	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 34.52	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]: 25.00	

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

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

7.7 (Gals.) X	3 =	23.1 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1043	68.5	7.96	529.6	39	7.5	
1045	68.5	6.94	540.9	121	15	
1048	69.2	6.87	519.6	115	23.5	

Did well dewater? Yes (No) Gallons actually evacuated: 23.5

Sampling Date: 12/1/09 Sampling Time: 11:00 Depth to Water: 22.95

Sample I.D.: S-19 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:	0.79 mg/L	Post-purge:		mg/L
O.R.P. (if req'd):	Pre-purge:	161 mV	Post-purge:		mV

SHEL[illegible]ELL MONITORING DATA [illegible]EET

BTS #: 091201-PC1	Site: 461 8th St., Oakland
Sampler: PC	Date: 12/1/09
Well I.D.: S-20	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 34.85	Depth to Water (DTW): 22.61
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; ✓ Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other ____

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

8 (Gals.) X 3 = 24 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
1256	69.2	4.92	678	151	8	
1258	70.1	4.48	8472	69	16	
1300	70.9	3.56	12.09 ms	45	24	
1302	70.9	3.26	11.89	18	32	

Did well dewater? Yes (No) Gallons actually evacuated: 32

Sampling Date: 12/1/09 Sampling Time: 1310 Depth to Water: 25.05

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

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

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):	1.38 mg/L	Post-purge:		mg/L
O.R.P. (if req'd):	Pre-purge:	347 mV	Post-purge:		mV

SHELL WELL MONITORING DATA SHEET

BTS #: 091201-PC1	Site: 461 8th St., Oakland
Sampler: PC	Date: 12/1/09
Well I.D.: S-21A	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 26.54	Depth to Water (DTW): 23.60
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 24.19	

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: _____

1.9 (Gals.) X	3 =	5.7 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
1425	70.8	5.19	4679	295	2	brown
1428	70.1	5.21	4721	302	4	↓
1434	69.6	5.35	4760	293	5.7	↓

Did well dewater? Yes (No) Gallons actually evacuated: 5.7

Sampling Date: 12/1/09 Sampling Time: 1510 (1442R) Depth to Water: 24.02

Sample I.D.: S-21A Laboratory: (CalScience) Columbia Other_____

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

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:	2.55 mg/L	Post-purge:		mg/L
O.R.P. (if req'd):	Pre-purge:	350 mV	Post-purge:		mV

SHELL WELL MONITORING DATA SHEET

BTS #: 091201-PC1	Site: 4618th St., Oakland
Sampler: PC	Date: 12/1/09
Well I.D.: S-22A	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 26.43	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]: 23.77	

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: ____

2.2 (Gals.) X	3	=	6.6 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
1444	66.7	2.74 VV	13.14	783	2.2	odor - perm.?
1446	68.4	2.65	13.72	>1000	4.4	↓ ↓
1449	69.8	2.61	13.53	>1000	6.6	
W = meter checked pH 4.0 buffer						

Did well dewater? Yes (No) Gallons actually evacuated: 6.6

Sampling Date: 12/1/09 Sampling Time: 1520 Depth to Water: 23.20

Sample I.D.: S-22A Laboratory: (CalScience) Columbia Other ____

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

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:	1.06 mg/L	Post-purge:		mg/L
O.R.P. (if req'd):	Pre-purge:	393 mV	Post-purge:		mV

SHELL WELL MONITORING DATA SHEET

BTS #: 091201-PC1	Site: 461 8th St., Oakland
Sampler: PC	Date: 12/1/09
Well I.D.: S-23	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 34.70	Depth to Water (DTW): 23.31
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]: 25.59	

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 (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1232	67.0	2.63	9731	209	7.5	
1234	69.9	3.39	1933	319	15	
1236	69.9	3.34	1028	95	22.5	
1238	70.1	3.33	821.1	69	30	
1240	69.9	2.97	2404	114	38	

Did well dewater? Yes (No) Gallons actually evacuated: 38

Sampling Date: 12/1/09 Sampling Time: 1245 Depth to Water: 25.35

Sample I.D.: S-23 Laboratory: (CalScience) Columbia Other____

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

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:	2.49 mg/L	Post-purge:		mg/L
O.R.P. (if req'd):	Pre-purge:	472 mV	Post-purge:		mV

SHELL WELLHEAD INSPECTION FORM
(FOR SAMPLE TECHNICIAN)

Site Address 461 8th st., Oakland Date 12/1/09

Job Number 091201-PC1 Technician P. Cornish 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								No tag
S-14R	X								" "
S-17	X								No tag
S-18	X								No tag
S-19	X								" "
S-20	X								" "
S-21A	X								No tag
S-22A	X								" "
S-23	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:

WELL GAUGING DATA

Project # 100128-WW1 Date 1/28/10 Client SHELL

Site 461 8th STREET, OAKLAND, CA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
S-4		4					21.75 WW1 3/2/10	28.68		
S-5	1000	4					16.35	29.95		
S-6	1020	4					20.36	37.82		
S-8	0802	4					22.80	28.83		
S-9	0821	4					22.35	29.74		
S-10	0834	4					23.30	35.73		
S-12	0813	4					24.28	34.23		
S-13	0815	4					22.94	32.46		
S-14R	0830	4					22.38	34.32		
S-17	0807	2					23.21	33.84		
S-18	0837	2					22.86	33.28		
S-19	0826	4					22.29	34.41		
S-20	0818	4	ODOR				22.51	34.83		
S-21A	0811	4					23.54	26.46		
S-21B	0819	4					23.30	39.15		
S-22A	0817	4					22.92	26.36		
S-22B	0823	4					22.73	39.54		
S-23	0814	4					23.25	34.60		

SHEET WELL MONITORING DATA SHEET

BTS #: 100128-WW1	Site: 461 8TH STREET, OAKLAND, CA
Sampler: IW, WW	Date: 1/28/10
Well I.D.: S-4	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 28.68	Depth to Water (DTW): 21.75 wet (BD)
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]: 23.14	

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: _____

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

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
0859	59.7	6.53	617.0	326	4.5	odor
0859	Well	Dewatered	@ 5 gallons		DTW= 27.37	
1350	64.4	7.97	729.0	116	GRAB	

Did well dewater? (Yes) No Gallons actually evacuated: 5.0

Sampling Date: 1/28/10 Sampling Time: 1350 Depth to Water: 21.88

Sample I.D.: S-4 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
R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 100128-WW1	Site: 461 8TH STREET, OAKLAND, CA
Sampler: (IW), WW	Date: 1/28/10
Well I.D.: S-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): ~~16.35~~ (BP) 29.95	Depth to Water (DTW): 16.35 WC: 13.6
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]: 19.03	

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: _____

8.8 (Gals.) X	3	= 26.4 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1003	65.6	7.11	774.7	346	8.8	odor
1005	67.0	7.23	748	521	17.6	"
1006	67.0	7.31	760.6	678	26.4	"

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

ling Date: 1/28/10 Sampling Time: 1015 Depth to Water: 18.98 (TR)

e I.D.: S-5 Laboratory: (CalScience) Columbia Other_____

ed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: SEE COC

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

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

req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
f req'd):	Pre-purge:	mV	Post-purge:	mV

SHEET WELL MONITORING DATA SHEET

BTS #: 100128-WW1	Site: 461 8th STREET, OAKLAND, CA
Sampler: (IW), WW	Date: 1/28/10
Well I.D.: S-6	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 37.82	Depth to Water (DTW): 20.36 WC: 17.46
Depth to Free Product: NO PRODUCT DETECTED	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]: 23.85	

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
11.3 (Gals.) X	3	= 33.9 Gals.

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
* Obstruction found at approximately 20 feet, hard tag						
pump by.						o
1028	64.1	7.33	754.4	136	11.3	odor
1030	65.4	7.40	701.7	145	22.6	↓
1032	66.0	7.44	693.1	172	33.9	↓

Did well dewater? Yes (No) Gallons actually evacuated: 33.9

Sampling Date: 1/28/10 Sampling Time: 1035 Depth to Water: Traffic 23.62

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

SHELL WELL MONITORING DATA SHEET

BTS #: 100128-WW1	Site: 461 8TH STREET, OAKLAND, CA
Sampler: IW, WW	Date: 1/28/10
Well I.D.: S-8	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 28.83	Depth to Water (DTW): 22.80
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 24.01	

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: _____

4.0 (Gals.) X 3 = 12.0 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
1050	65.3	7.46	236.1	218	4.0	ODOR
1051	68.2	6.33	264.1	422	8.0	"
1052	68.7	6.28	262.8	685	12.0	" DTW=24.16

Did well dewater? Yes (No) Gallons actually evacuated: 12.0

Sampling Date: 1/28/10 Sampling Time: 1100 Depth to Water: 23.82

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 #: 100128-WW1	Site: 461 8TH STREET, OAKLAND, CA
Sampler: IW, WW	Date: 1/28/10
Well I.D.: S-9	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 29.74	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]: 23.83	

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: _____

4.8 (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
0941	66.7	6.58	334	143	4.8	
0942	67.6	6.39	301	54	9.6	
0943	68.6	6.37	318	33	14.4	

Did well dewater? Yes (No) Gallons actually evacuated: 14.4

Sampling Date: 1/28/10 Sampling Time: 1015 Depth to Water: 22.44

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: (circled)	1.95 mg/L	Post-purge:		mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

SHELL WELL MONITORING DATA SHEET

BTS #: 100128-WW1	Site: 461 8TH STREET, OAKLAND, CA
Sampler: (IW), WW	Date: 1/28/10
Well I.D.: S-10	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 35.73	Depth to Water (DTW): 23.30 WC: 12.43
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]: 25.79	

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: _____

8 (Gals.) X	3	=	24 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
0918	59.4	6.97	591.4	585	8	cloudy
0920	66.1	7.06	628.5	218	16	"
0921	67.9	7.25	499.3	192	24	"
0923	68.3	7.25	497.2	182	32	DTW: 30.31

Did well dewater? Yes (No) Gallons actually evacuated: 32

Sampling Date: 1/28/10 Sampling Time: 1150 Depth to Water: 24.90

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 #: 100128-WW1	Site: 461 8TH STREET, OAKLAND, CA
Sampler: (IW), WW	Date: 1/28/10
Well I.D.: S-12	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 34.23	Depth to Water (DTW): 24.28 WC: 9.95
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]: 26.27	

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: _____

6.5 (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	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
0931	66.2	7.38	487.2	265	6.5	
0933	68.6	7.29	422.1	232	13	
0934	69.0	7.33	434.2	189	19.5	

Did well dewater? Yes (No) Gallons actually evacuated: 19.5

Sampling Date: 1/28/10 Sampling Time: 0940 Depth to Water: 25.32

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

SHEL[illegible]ELL MONITORING DATA [illegible]EET

BTS #: 100128-WW1	Site: 461 8TH STREET, OAKLAND, CA
Sampler: IW, WW	Date: 1/28/10
Well I.D.: S-13	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 32.46	Depth to Water (DTW): 22.94
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]: 24.84	

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: _____

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
1127	69.2	5.70	1270	127	6.2	odor
1128	69.7	5.18	1233	207	12.4	"
1129	70.7	4.98	1323	249	18.6	

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

Sampling Date: 1/28/10 Sampling Time: 1135 Depth to Water: 24.84

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

Surface

SHEI ELL MONITORING DATA ET

BTS #: 100128-WW1	Site: 461 8TH STREET, OAKLAND, CA
Sampler: (IW), WW	Date: 1/28/10
Well I.D.: S-14R	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 34.32	Depth to Water (DTW): 22.38 WC: 1204
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]: 24.79	

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

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

7.8 (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
1105	66.7	6.64	568.9	196	7.8	ODOR
1107	68.3	7.31	458.0	269	15.6	"
1108	68.9	7.28	463.2	381	23.4	" DTW=30.26

Did well dewater? Yes (No) Gallons actually evacuated: 23.4

Sampling Date: 1/28/10 Sampling Time: 11:40 Depth to Water: 23.71

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):	(68) 4.43.75 mg/L	Post-purge:		mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

SHEET WELL MONITORING DATA SHEET

BTS #: 100128-WW1	Site: 461 8TH STREET, OAKLAND, CA
Sampler: IW, WW	Date: 1/28/10
Well I.D.: S-17	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 33.74	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]: 25.34	

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

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

1.7 (Gals.) X	3	= 5.1 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1024	67.5	6.81	1022	>1000	1.7	
1027	69.6	6.64	1096	>1,000	3.4	
1030	70.7	6.58	1162	>1,000	5.1	

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

Sampling Date: 1/28/10 Sampling Time: 1035 Depth to Water: 23.62

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

SHELL MONITORING DATA SHEET

BTS #: 100128-WW1	Site: 461 8TH STREET, OAKLAND, CA
Sampler: IW, WW	Date: 1/28/10
Well I.D.: S-18	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 33.27	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]: 24.94	

Purge Method: X Bailer; Disposable Bailer; Positive Air Displacement; ~~Electric Submersible~~ (2); Waterra; Peristaltic; Extraction Pump; Other ____

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

1.7 (Gals.) X 3 = 5.1 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1053	67.7	6.13	899	>1000	1.7	
1056	68.2	4.80	1114	>1000	3.4	
1059	69.2	4.65	1225	>1000	5.1	

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

Sampling Date: 1/28/10 Sampling Time: 1105 Depth to Water: 23.27

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

Sulfate

SHEET WELL MONITORING DATA SHEET

BTS #: 100128-WW1	Site: 461 8TH STREET, OAKLAND, CA
Sampler: IW, WW	Date: 1/28/10
Well I.D.: S-19	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 34.41	Depth to Water (DTW): 22.29
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]: 24.71	

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: ____

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 (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1042	67.0	6.80	701	164	7.9	odor
1043	69.1	6.85	548	218	15.8	"
1044	69.3	6.79	539	290	23.7	"

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

Sampling Date: 1/28/10 Sampling Time: 1050 Depth to Water: 24.71

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

SHEL ELL MONITORING DATA ET

BTS #: 100128-WW1	Site: 461 8TH STREET, OAKLAND, CA
Sampler: IW, WW	Date: 1/28/10
Well I.D.: S-20	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 34.83	Depth to Water (DTW): 22.51
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]: 24.97	

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: _____

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
1110	67.8	5.15	7679	214	8	
1112	67.8	5.54	6856	145	16	
1113	67.9	5.34	7341	69	24	

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

Sampling Date: 1/28/10 Sampling Time: 1120 Depth to Water: 24.42

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

Sunset

SHEL ELL MONITORING DATA EET

BTS #: 100128-WW1	Site: 461 8TH STREET, OAKLAND, CA
Sampler: (MW), WW	Date: 1/28/10
Well I.D.: S-21A	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 26.46	Depth to Water (DTW): 23.54
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]: 24.13	

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: _____

1.8 x 3 = 5.4

~~10.3~~ 1W (Gals.) X 3 = ~~30.9~~ 1W Gals.

1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1203	68.7	8.16	4029	232	1.8	
1204	68.5	7.84	3996	256	3.6	
1204	WELL DEWATERED @		4.0 GALLONS			DTW = 24.62

Did well dewater? (Yes) No Gallons actually evacuated: 4.0

Sampling Date: 1/28/10 Sampling Time: 1210 Depth to Water: 23.92

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

SHEL ELL MONITORING DATA EET

BTS #: 100128-WW1	Site: 461 8TH STREET, OAKLAND, CA
Sampler: (IW), WW	Date: 1/28/10
Well I.D.: S-21B	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 39.15	Depth to Water (DTW): 23.30
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 26.47	

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

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

10.3 (Gals.) X 3 = 30.9 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	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1139	70.0	6.17	2149	96	10.3	
1141	70.9	6.87	3459	912	20.6	CLOUDY
1143	70.7	6.91	3481	969	30.9	" DTW=35.22

Did well dewater? Yes (No) Gallons actually evacuated: 30.9

Sampling Date: 1/28/10 Sampling Time: 1200 Depth to Water: 25.16

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

SHEL[illegible]ELL MONITORING DATA [illegible]EET

BTS #: 100128-WW1	Site: 461 8TH STREET, OAKLAND, CA
Sampler: IW, WW	Date: 1/28/10
Well I.D.: S-22A	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 26.36	Depth to Water (DTW): 22.92
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: X Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

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

2.2 (Gals.) X 3 = 6.6 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 ~~uS~~)	Turbidity (NTUs)	Gals. Removed	Observations
1137	67.8	3.13 ~~67.4~~	10.60	>1000	2.2	odor
1141	69.2	3.07	10.96	>1000	4.4	"
1145	70.2	3.04	11.14	>1000	6.6	"

Did well dewater? Yes (No) Gallons actually evacuated: 6.6

Sampling Date: 1/28/10 Sampling Time: 1150 Depth to Water: 23.57

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

SUNOCO

SHEL ELL MONITORING DATA EET

BTS #: 100128-WW1	Site: 461 8th STREET, OAKLAND, CA
Sampler: IW, WW	Date: 1/28/10
Well I.D.: S-22B	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): ~~39.54~~ 39.54	Depth to Water (DTW): ~~22.73~~ 22.73
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]: 26.09	

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: ____

10.9 (Gals.) X	3	= 32.7 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 (uS))	Turbidity (NTUs)	Gals. Removed	Observations
0923	65.7	7.80	1289	114	10.9	
0925	66.5	7.80	1398	86	21.8	
0927	68.2	6.60	1537	82	32.7	

Did well dewater? Yes (No) Gallons actually evacuated: 32.7

Sampling Date: 1/28/10 Sampling Time: 0935 Depth to Water: 26.09

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 #: 100128-WW1	Site: 461 8TH STREET, OAKLAND, CA
Sampler: (IW), WW	Date: 1/28/10
Well I.D.: S-23	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 34.60	Depth to Water (DTW): 23.25 WC: 11.35
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]: 25.52	

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

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

7.4 (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 (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1115	68.2	4.81	1875	218	7.4	odor
1117	69.8	5.33	550.3	189	14.8	↓
1118	70.2	5.29	540.8	140	22.2	↓ DTW=28.4

Did well dewater? Yes (No) Gallons actually evacuated: 22.2

Sampling Date: 1/28/10 Sampling Time: 1125 Depth to Water: 24.99

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

SHELL SITE INSPECTION CHECKLIST

Client Shell Date 12/7/09

Site Address 461 8th St. Oakland

Job Number 091207-BW1 Technician BW

Site Status _____ Branded Station Vacant Lot Other Parking Lot

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

Notes

PROJECT MANAGER ONLY

Checklist Reviewed MON 12/14 Initial/Date Notes

SHELL WELLHEAD REPAIR FORM
(FOR REPAIR TECHNICIAN)

Site Address 461 8th St. Oakland Date 12/7/09

Job Number 091207-BW1 Technician BW Page 1 of 3

Inspection Point (Well ID or description of location)	Well Inspected, Cleaned, Labeled - No Further Corrective Action Required	Replaced Cap	Replaced Lock	Replaced Lid Seal	Check Indicates deficiency: Casing	Annular Seal	Tabs / Bolts	Box Structure	Apron	Trip Hazard	Below Grade	Not Securable by Design (12" diameter or less)	Lid not marked with words "MONITORING WELL"	Other Deficiency	Not Securable by Design (greater than 12" diameter)	Well Not Inspected (explain in notes)	All Repairs Completed	Remaining Deficiencies Logged onto *BLAINE Repair Order*	Remaining Deficiencies Logged onto *Notice of Deficient Condition* - BLAINE Unable to Repair
S-4							X				X							X	
Notes: Retapped 2/2 Tabs																			
Well box type / size: 12" Emco																	Materials used: 2 bolts		
S-5																	X		
Notes: Visual Inspection																			
Well box type / size: Storm Drain																	Materials used:		
S-6																	X		
Notes: Cleaned + Inspected																			
Well box type / size: 8" Round Diamond Plate																	Materials used:		
S-8							X	X										X	
Notes: Retapped 2/2 Tabs																			
Well box type / size: 12" Emco																	Materials used: 2 bolts		
S-9				X			X										X		
Notes: Retapped 2/2 Tabs																			
Well box type / size: 12" Emco																	Materials used: 2 bolts		
S-10							X										X		
Notes: Retapped 2/2 Tabs																			
Well box type / size: 12" Emco																	Materials used: 2 bolts		
S-12							X											X	
Notes: Retapped 2/2 Tabs - No Tag																			
Well box type / size: 12" Emco																	Materials used: 2 bolts		

SHELL WELLHEAD REPAIR FORM
(FOR REPAIR TECHNICIAN)

Job Number 091207-BWL

Inspection Point (Well ID or description of location)	Well Inspected, Cleaned, Labeled - No Further Corrective Action Required	Replaced Cap	Replaced Lock	Replaced Lid Seal	Check Indicates deficiency: Casing	Annular Seal	Tabs / Bolts	Box Structure	Apron	Trip Hazard	Below Grade	Not Securable by Design (12" diameter or less)	Lid not marked with words "MONITORING WELL"	Other Deficiency	Not Securable by Design (greater than 12" diameter)	Well Not Inspected (explain in notes)	All Repairs Completed	Remaining Deficiencies Logged onto *BLAINE Repair Order*	Remaining Deficiencies Logged onto *Notice of Deficient Condition* - BLAINE Unable to Repair
							X											X	
S-13	Notes: Retapped 2/2 Tabs - No Tag Well box type / size: 12" Emco — Materials used: 2 bolts						X										X		
S-14R	Notes: Retapped 2/2 Tabs - Tagged Well box type / size: 12" Emco — Materials used: 2 bolts			X			X										X		
S-17	Notes: Retapped 2/2 Tabs - Tagged Well box type / size: 12" Emco — Materials used: 2 bolts		X/2	X			X										X		
S-18	Notes: Retapped 2/2 Tabs - Tagged Well box type / size: 12" Emco — Materials used: 2 bolts																X		
S-19	Notes: Visual Inspection - Parked Over Well box type / size: 12" Emco — Materials used:		X				X										X		
S-20	Notes: Retapped 2/2 Tabs - Tagged Well box type / size: 12" Emco — Materials used: 2 bolts		X/4	X			X										X		
S-21A	Notes: Retapped 2/2 Tabs - Tagged Well box type / size: 12" Emco — Materials used: 2 bolts																X		
S-21B	Notes: Visual Inspection - Parked Over Well box type / size: 12" Emco — Materials used:																		

SHELL WELLHEAD REPAIR FORM
(FOR REPAIR TECHNICIAN)

Job Number 091207-BWI

Inspection Point (Well) ID or description of location)	Well Inspected, Cleaned, Labeled - No Further Corrective Action Required	Replaced Cap	Replaced Lock	Replaced Lid Seal	Check Indicates deficiency: Casing	Annular Seal	Tabs / Bolts	Box Structure	Apron	Trip Hazard	Below Grade	Not Securable by Design (12" diameter or less)	Lid not marked with words "MONITORING WELL"	Other Deficiency	Not Securable by Design (greater than 12" diameter)	Well Not Inspected (explain in notes)	All Repairs Completed	Remaining Deficiencies Logged onto BLAINE Repair Order	Remaining Deficiencies Logged onto Notice of Deficient Condition - BLAINE Unable to Repair
S-22A							X										X		
	Notes: Retapped 2/2 Tabs - Tagged																		
	Well box type / size: 12" Emco												Materials used: 2 bolts						
S-22B							X										X		
	Notes: Retapped 2/2 Tabs - Tagged																		
	Well box type / size: 12" Emco												Materials used: 2 bolts						
S-23							X										X		
	Notes: Retapped 2/2 Tabs - Tagged																		
	Well box type / size: 12" Emco												Materials used: 2 bolts						
	Notes:																		
	Well box type / size:												Materials used:						
	Notes:																		
	Well box type / size:												Materials used:						
	Notes:																		
	Well box type / size:												Materials used:						
	Notes:																		
	Well box type / size:												Materials used:						
	Notes:																		
	Well box type / size:												Materials used:						

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 461 8th STREET, OAKLAND, CA Date 1/28/10

Job Number 100128-WW1 Technician WW, IW Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Well Box Meets Compliance Requirements *See Below	Water Bailed From Wellbox	Cap Replaced	Lock Replaced	Well Not Inspected (explain in notes)	New Deficiency Identified	Previously Identified Deficiency Persists	Notes
S-4	X	X	X						
S-5	X								NO TAG / CONFINED SPC
S-6									NO TAG
S-8							X		NO TAG / RIM SEPARATED FROM APRON
S-9	X	X							
S-10	X	X							
S-12								X	NO TAG
S-13								X	NO TAG
S-14R	X	X							
S-17	X	X							
S-18	X	X							
S-19								X	NO TAG
S-20	X	X							
S-21A	X	X							
S-21B								X	NO TAG
S-22A	X	X							
S-22B	X	X							
S-23	X	X							

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

Notes: