CONESTOGA-ROVERS & ASSOCIATES

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

TRANSMITTAL

DATE: December 8, 2008

REFERENCE NO.: 240554

PROJECT NAME: 3420 San Pablo Avenue, Oakland

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

RECEIVED
9:32 am, Dec 11, 2008
Alameda County
Environmental Health

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

Sent via:
- ☒ Mail
- ☐ Overnight Courier
- ☐ Same Day Courier
- ☐ Other

QUANTITY	DESCRIPTION
1	Groundwater Monitoring Report – Fourth Quarter 2008

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

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

Copy to: Denis Brown
Mr. Shahriar Almasi, Portola Valley Shell
Mike Bowery, Thrifty Oil Co.

Completed by: Peter Schaefer
[Please Print]

Signed: Peter Schaefer

Filing: **Correspondence File**

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

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

Re: Former Shell/Current Operating Service Station
3420 San Pablo Avenue
Oakland, California
SAP Code 139619
Incident No. 98995748
ACHCSA Case No. RO0000006

Dear Mr. Wickham:

The attached document is provided for your review and comment. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

If you have any questions or concerns, please call me at (707) 865-0251.

Sincerely,

Denis L. Brown
Project Manager

GROUNDWATER MONITORING REPORT - FOURTH QUARTER 2008

FORMER SHELL/CURRENT OPERATING SERVICE STATION
3420 SAN PABLO AVENUE
OAKLAND, CALIFORNIA

SAP CODE 139619
INCIDENT NO. 98995748
AGENCY NO. RO0000006

DECEMBER 8, 2008
REF. NO. 240554 (2)
This report is printed on recycled paper.

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

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) in accordance with the quarterly reporting requirements of 23 CCR 2652d.

1.1 SITE INFORMATION

Site Address	3420 San Pablo Avenue, Oakland
Site Use	Active Third-Party Station
Shell Project Manager	Denis Brown
CRA Project Manager	Peter Schaefer
Lead Agency and Contact	ACHCSA, Jerry Wickham
Agency Case No.	RO0000006
Shell SAP Code	139619
Shell Incident No.	98995748

Date of most recent agency correspondence was October 25, 2006 (electronic).

2.0 SITE ACTIVITIES, FINDINGS, AND DISCUSSION

2.1 CURRENT QUARTER'S ACTIVITIES

Blaine Tech Services, Inc. (Blaine) gauged and sampled the wells according to the established monitoring program for this site.

Normally, groundwater monitoring is coordinated with Thrifty Oil located at 3400 San Pablo Avenue. To date, we have not received Thrifty Oil data for this quarter.

CRA prepared a vicinity map (Figure 1) and a groundwater contour and chemical concentration map (Figure 2). Blaine's report, presenting the analytical data, is included in Appendix A.

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Westerly
Hydraulic Gradient	Variable
Depth to Water	6.10 to 10.12 feet below top of well casing

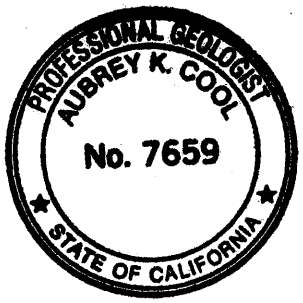
2.3 PROPOSED ACTIVITIES FOR NEXT QUARTER

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

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

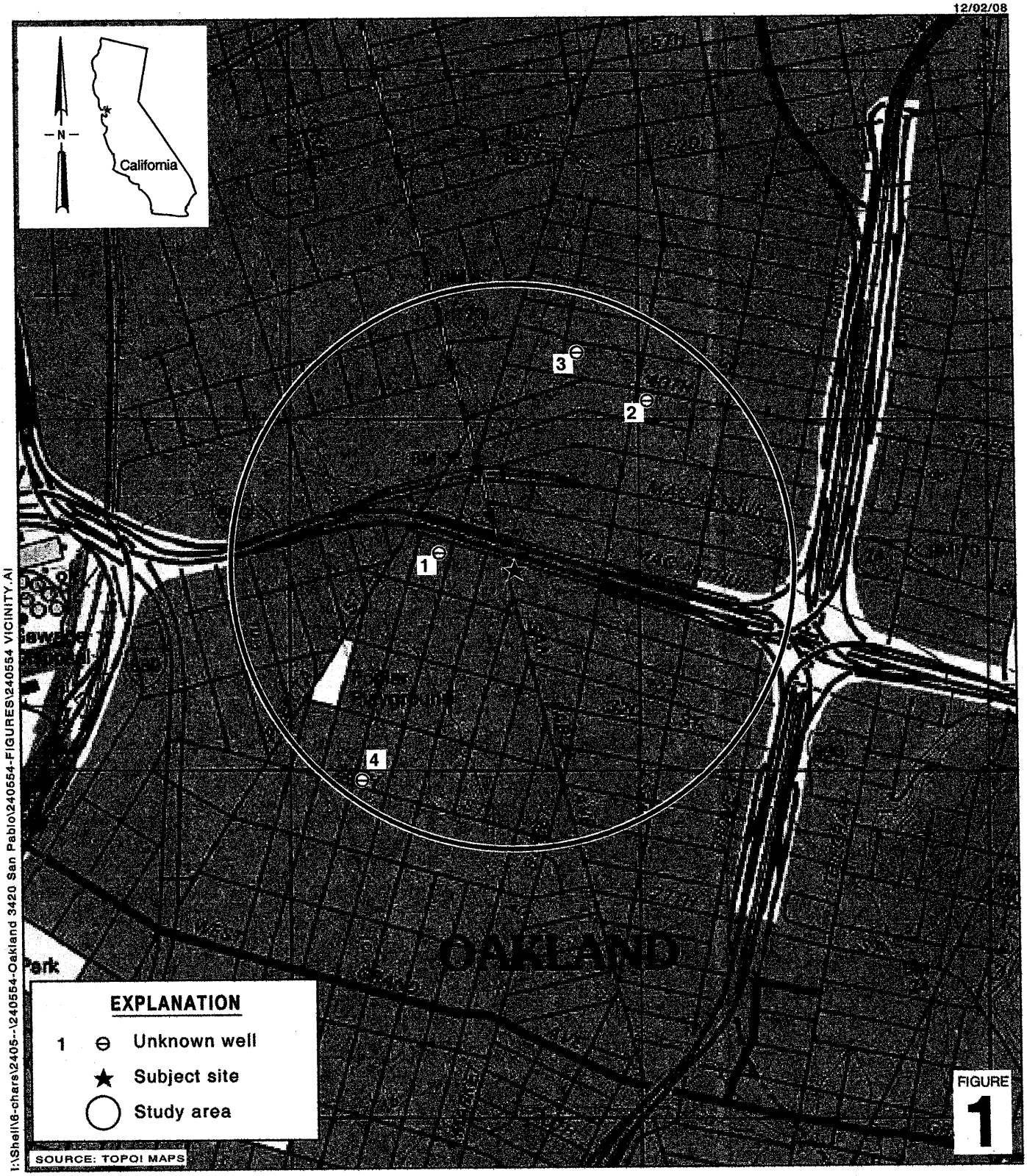
Peter Schaefer, CHG, CEG
Project Manager

Aubrey K. Cool, PG
Professional Geologist



FIGURES

12/02/08



I:\Shell\6-chars\2405--\240554-Oakland 3420 San Pablo\240554-FIGURES\240554 VICINITY.AI

0 1/8 1/4 1/2 1

SCALE (MILES)

Former Shell Service Station
3420 San Pablo Avenue
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

12/08/08

Groundwater Contour and Chemical Concentration Map

October 15, 2008

EXPLANATION

- MW-1 ● Monitoring well location (Shell)
- MW-3 ⊗ Destroyed monitoring well location
- MW-1 ■ Monitoring well location (Thrifty)
- RW-1R ⊕ Recovery well location (Thrifty)
- Storm drain line (SD)
- Sanitary Sewer line (SS)
- Water line (W)
- Overhead electrical line (OHE)
- Storm drain catch basin
- Fire hydrant (FH)
- Flow direction indicator
- Miscellaneous utility vault, as labeled
- XX.XX Groundwater elevation contour, in feet above mean sea level (msl)

Well
ELEV.
Benzene
MTBE

- Well designation
- Groundwater elevation, in feet above msl
- Benzene and MTBE concentrations are in parts per billion

Notes:
NA = Not available, well inaccessible
ND = Not detected
NDa = Elevated reporting limit, see laboratory for details
NS = Not sampled
SPH = Separate-phase hydrocarbons present
***** = Data anomalous, not used in contouring
- Thrifty site data not available

CONESTOGA-ROVERS & ASSOCIATES

Former Shell Service Station
3420 San Pablo Avenue
Oakland, California

FIGURE
2

I:\Shell\6-chare\2405--\240554-Oakland 3420 San Pablo\240554-REPORTS\240554-RPT2-4q08\240554 4QM08.DWG

APPENDIX A

BLAINE TECH SERVICES, INC. - GROUNDWATER MONITORING REPORT

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

November 6, 2008

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

Fourth Quarter 2008 Groundwater Monitoring at
Former Shell/Current AmeriGas Service Station
3420 San Pablo Avenue
Oakland, CA

Monitoring performed on October 15, 2008

Groundwater Monitoring Report **081015-EC-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 Shell Martinez Manufacturing Complex.

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

At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. Our activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrological conditions or formulation of recommendations was performed.

Please call if you have any questions.

Yours truly,

Mike Ninokata
Project Manager

MN/tm

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

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

Calscience
Environmental
Laboratories, Inc.

October 30, 2008

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

Subject: **Calscience Work Order No.:** **08-10-1727**
Client Reference: **3420 San Pablo Ave., Oakland, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 10/18/2008 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Calscience Environmental
Laboratories, Inc.
Jessie Kim
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 10/18/08
Work Order No: 08-10-1727
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 3420 San Pablo Ave., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1	**08-10-1727-1-A**	**10/15/08 09:51**	**Aqueous**	**GC/MS R**	**10/24/08**	**10/25/08 07:32**	**081024L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	1200	50	1		p/m-Xylene	ND	1.0	1	
Benzene	4.1	0.50	1		o-Xylene	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	20	1.0	1	
Toluene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	94	70-130		1,4-Bromofluorobenzene-TPPH	96	70-130	

MW-2	**08-10-1727-2-A**	**10/15/08 15:20**	**Aqueous**	**GC/MS R**	**10/24/08**	**10/25/08 08:02**	**081024L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	17000	1000	20		p/m-Xylene	98	20	20	
Benzene	1300	10	20		o-Xylene	ND	20	20	
Ethylbenzene	820	20	20		Methyl-t-Butyl Ether (MTBE)	49	20	20	
Toluene	ND	20	20						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	93	70-130		1,4-Bromofluorobenzene-TPPH	97	70-130	

MW-4	**08-10-1727-3-A**	**10/15/08 11:01**	**Aqueous**	**GC/MS R**	**10/24/08**	**10/25/08 08:32**	**081024L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	3700	100	2		p/m-Xylene	2.2	2.0	2	
Benzene	18	1.0	2		o-Xylene	ND	2.0	2	
Ethylbenzene	7.9	2.0	2		Methyl-t-Butyl Ether (MTBE)	120	2.0	2	
Toluene	ND	2.0	2						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	96	70-130		1,4-Bromofluorobenzene-TPPH	96	70-130	

MW-5	**08-10-1727-4-A**	**10/15/08 13:37**	**Aqueous**	**GC/MS R**	**10/24/08**	**10/25/08 09:02**	**081024L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	11000	250	5		p/m-Xylene	ND	5.0	5	
Benzene	ND	2.5	5		o-Xylene	ND	5.0	5	
Ethylbenzene	ND	5.0	5		Methyl-t-Butyl Ether (MTBE)	42	5.0	5	
Toluene	ND	5.0	5						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	94	70-130		1,4-Bromofluorobenzene-TPPH	93	70-130	

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: 10/18/08
Work Order No: 08-10-1727
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 3420 San Pablo Ave., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-7	08-10-1727-5-B	10/15/08 14:51	Aqueous	GC/MS T	10/27/08	10/27/08 14:53	081027L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	4200	500	10		p/m-Xylene	3.0	1.0	1	
Benzene	17	0.50	1		o-Xylene	1.6	1.0	1	
Ethylbenzene	1.3	1.0	1		Methyl-t-Butyl Ether (MTBE)	4.9	1.0	1	
Toluene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	94	70-130		1,4-Bromofluorobenzene-TPPH	106	70-130	

MW-9	08-10-1727-6-B	10/15/08 10:44	Aqueous	GC/MS T	10/27/08	10/27/08 13:19	081027L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	220	50	1		p/m-Xylene	ND	1.0	1	
Benzene	ND	0.50	1		o-Xylene	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	24	1.0	1	
Toluene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	88	70-130		1,4-Bromofluorobenzene-TPPH	89	70-130	

MW-10	08-10-1727-7-A	10/15/08 09:38	Aqueous	GC/MS R	10/24/08	10/25/08 03:04	081024L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	1000	50	1		p/m-Xylene	ND	1.0	1	
Benzene	2.7	0.50	1		o-Xylene	ND	1.0	1	
Ethylbenzene	1.4	1.0	1		Methyl-t-Butyl Ether (MTBE)	19	1.0	1	
Toluene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	95	70-130		1,4-Bromofluorobenzene-TPPH	98	70-130	

Method Blank	099-12-715-1,102	N/A	Aqueous	GC/MS R	10/24/08	10/25/08 02:34	081024L02

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

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	94	70-130		1,4-Bromofluorobenzene-TPPH	98	70-130	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	10/18/08
1680 Rogers Avenue		Work Order No:	08-10-1727
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	ug/L

Project: 3420 San Pablo Ave., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-715-1,103**	**N/A**	**Aqueous**	**GC/MS T**	**10/27/08**	**10/27/08 12:48**	**081027L01**

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

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	89	70-130		1,4-Bromofluorobenzene-TPPH	92	70-130	

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc.		Date Received:	10/18/08
1680 Rogers Avenue		Work Order No:	08-10-1727
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B

Project 3420 San Pablo Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-10	**Aqueous**	**GC/MS R**	**10/24/08**	**10/25/08**	**081024S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	103	105	70-130	1	0-30	
Ethylbenzene	98	99	70-130	1	0-30	
Toluene	104	105	70-130	1	0-30	
p/m-Xylene	95	95	70-130	0	0-30	
o-Xylene	98	98	70-130	0	0-30	
Methyl-t-Butyl Ether (MTBE)	94	101	70-130	5	0-30	
Tert-Butyl Alcohol (TBA)	82	79	70-130	3	0-30	
Diisopropyl Ether (DIPE)	107	107	70-130	0	0-30	
Ethyl-t-Butyl Ether (ETBE)	105	105	70-130	1	0-30	
Tert-Amyl-Methyl Ether (TAME)	106	104	70-130	1	0-30	
Ethanol	93	78	70-130	17	0-30	

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: 10/18/08
Work Order No: 08-10-1727
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 3420 San Pablo Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-9	Aqueous	GC/MS T	10/27/08	10/27/08	081027S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	89	88	70-130	1	0-30	
Ethylbenzene	96	94	70-130	2	0-30	
Toluene	97	96	70-130	1	0-30	
p/m-Xylene	97	94	70-130	4	0-30	
o-Xylene	103	100	70-130	3	0-30	
Methyl-t-Butyl Ether (MTBE)	100	99	70-130	1	0-30	
Tert-Butyl Alcohol (TBA)	98	99	70-130	0	0-30	
Diisopropyl Ether (DIPE)	100	100	70-130	0	0-30	
Ethyl-t-Butyl Ether (ETBE)	102	104	70-130	2	0-30	
Tert-Amyl-Methyl Ether (TAME)	103	104	70-130	1	0-30	
Ethanol	88	88	70-130	0	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc.	Date Received: N/A
1680 Rogers Avenue	Work Order No: 08-10-1727
San Jose, CA 95112-1105	Preparation: EPA 5030B
	Method: LUFT GC/MS / EPA 8260B

Project: 3420 San Pablo Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-715-1,102	Aqueous	GC/MS R	10/24/08	10/25/08	081024L02

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
TPPH	105	108	65-135	53-147	4	0-30	
Benzene	105	104	70-130	60-140	1	0-30	
Ethylbenzene	99	98	70-130	60-140	1	0-30	
Toluene	104	104	70-130	60-140	0	0-30	
p/m-Xylene	95	94	70-130	60-140	1	0-30	
o-Xylene	97	96	70-130	60-140	1	0-30	
Methyl-t-Butyl Ether (MTBE)	103	99	70-130	60-140	3	0-30	
Tert-Butyl Alcohol (TBA)	93	82	70-130	60-140	13	0-30	
Diisopropyl Ether (DIPE)	106	104	70-130	60-140	2	0-30	
Ethyl-t-Butyl Ether (ETBE)	106	104	70-130	60-140	2	0-30	
Tert-Amyl-Methyl Ether (TAME)	107	104	70-130	60-140	2	0-30	
Ethanol	90	86	70-130	60-140	6	0-30	

Total number of LCS compounds : 12
Total number of ME compounds : 0
Total number of ME compounds allowed :- 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 08-10-1727
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 3420 San Pablo Ave., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-715-1,103	Aqueous	GC/MS T	10/27/08	10/27/08	081027L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
TPPH	92	92	65-135	53-147	0	0-30	
Benzene	89	91	70-130	60-140	2	0-30	
Ethylbenzene	95	97	70-130	60-140	3	0-30	
Toluene	98	99	70-130	60-140	1	0-30	
p/m-Xylene	95	97	70-130	60-140	3	0-30	
o-Xylene	101	104	70-130	60-140	2	0-30	
Methyl-t-Butyl Ether (MTBE)	101	107	70-130	60-140	6	0-30	
Tert-Butyl Alcohol (TBA)	96	99	70-130	60-140	3	0-30	
Diisopropyl Ether (DIPE)	103	103	70-130	60-140	0	0-30	
Ethyl-t-Butyl Ether (ETBE)	102	110	70-130	60-140	8	0-30	
Tert-Amyl-Methyl Ether (TAME)	105	104	70-130	60-140	1	0-30	
Ethanol	80	86	70-130	60-140	7	0-30	

Total number of LCS compounds : 12
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 08-10-1727

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

Shell Oil Products Chain Of Custody Record

1727

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

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

Print Bill To Contact Name: Denis Brown
PO #:
INCIDENT # (ENV SERVICES): 9 8 9 9 5 7 4 8 ☐ CHECK IF NO INCIDENT # APPLIES
SAP #:
DATE: 10-15-08
PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services
LOG CODE: BTSS
SITE ADDRESS: Street and City: 3420 San Pablo Ave., Oakland
State: CA
GLOBAL ID NO: T0600101253
ADDRESS: 1680 Rogers Ave, San Jose, CA 95112
EDF DELIVERABLE TO (Name, Company, Office Location): Anni Kreml, CRA, Emeryville
PHONE NO: (510) 420-3335
E-MAIL: Shelledf@craworld.com
CONSULTANT PROJECT NO: BTS # 081015-EC1
PROJECT CONTACT (Hardcopy or PDF Report to): Michael Ninokata
TELEPHONE: (408)573-0555
FAX: (408)573-7771
E-MAIL: mninokata@blainetech.com
SAMPLER NAME(S) (Print): Eli Chavarria
LAB USE ONLY: 08-10-1727

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND
☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :
Run TPH-d w/Silica Gel Clean Up

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	Container PID Readings or Laboratory Notes
1	MW-1	10-15-08	0951	W	X					3	X		X		X									
2	MW-2		1520		X						X		X		X									
3	MW-4		1101		X						X		X		X									
4	MW-5		1337		X						X		X		X									
	~~MW-6R~~				X																			
5	MW-7		1451		X						X		X		X									
6	MW9		1044		X						X		X		X									
7	MW-10		0938		X						X		X		X									

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Elias Chavarria	B. Elias Chavarria (sample custodian)	10-15-08	1749
(Sample Custodian)	Tom O'Malley CEL	10/16/08	1045
to 10-17-08 0830 1730	CEL	10-18-08	9:00

#510572640

05/2/06 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 08-10-1727

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Blaine Tech DATE: 10/18/08

TEMPERATURE: (Criteria: 0.0 °C – 6.0 °C)

Temperature 3.0 °C + 1.8 °C (CF) = 4.8 °C **Blank** ☐ **Sample** ☑

Samples 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 (For Air & Filter Only) ☐ **Initial:**

CUSTODY SEALS INTACT:

☐ Sample ☐ Cooler ☐ No (Not Intact) ☒ Not Present **Initial:**

SAMPLE CONDITION:

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

CONTAINER TYPE:

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

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

Air: ☐Tedlar® ☐Summa® ☐_____

Checked/Labeled by: AO

Reviewed by: W.S.C

Scanned by: AO

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

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

WELL GAUGING DATA

Project # 081015-ECI Date 10-15-08 Client Shell

Site 3420 San Pablo Ave.

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 (TIME)	Notes
MW-1	0830	4					6.85	24.40	0951	S
MW-2	0845	4					7.60	19.20	1520	S
MW-3R	0825	2					10.00	29.80		GO
MW-4	0833	4					9.55	19.20	11:01	S
MW-5	0827	4					8.20	24.70	1337	S
MW-6R	0848	2		9.81	.31	188	10.12	29.65		S
MW-7	0840	4					6.10	19.50	1451	S
MW-8	1030	4					7.70	19.54	1444	S
MW-10	0925	4					7.70	18.78	0938	S
MW-11	1053	4					8.70	18.90		GO
	MW-6R 0.31 x 0.16 = 0.0496									
	0.0496 x 3785 = 187.736 ml									

135 gal total

SHELL WELL MONITORING DATA SHEET

BTS #: 081015-EC1	Site: 3420 San Pablo Ave.
Sampler: EC	Date: 10-15-08
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 24.40	Depth to Water (DTW): 6.85
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.36	

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: ___

11.4 (Gals.) X	3	=	34.2 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0910	74.3	8.01	479.1	5	11.4	
0913	74.3	7.60	477.2	12	22.8	
	well	dewatered @		23 gal		
0951	73.1	7.51	469.8	31	—	

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

Sampling Date: 10-15-08 Sampling Time: 0951 Depth to Water: 10.35

Sample I.D.: MW-1 Laboratory: STL (Other) Cal Science

Analyzed for: TPH-G BTEX MTBE TPH-D (Other:) SEE COC

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

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

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

17.55

SHELL WELL MONITORING DATA SHEET

BTS #: 081015-EC1	Site: 3420 San Pablo Ave.
Sampler: EC	Date: 10-15-08
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 19.20	Depth to Water (DTW): 7.60
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]: 9.92	

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: ___

7.5 (Gals.) X 3 = 22.5 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1439	69.4	7.08	1188	7	7.5	clear
1441	70.3	6.84	1178	10	15	↓
	well dewatered			@ 15		
1520	68.0	6.78	1170	29	—	

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

Sampling Date: 10-15-08 Sampling Time: 1520 Depth to Water: 9.90

Sample I.D.: MW-2 Laboratory: STL (Other) Cal Science

Analyzed for: TPH-G BTEX MTBE TPH-D (Other:) SEE COC

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

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

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

11.60

SHELL WELL MONITORING DATA SHEET

BTS #: 081015-EC1	Site: 3420 San Pablo Ave.
Sampler: EC	Date: 10-15-08
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 19.20	Depth to Water (DTW): 9.55
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.48	

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
6.3	(Gals.) X	3	=	18.9 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
0900	73.3	7.83	903.1	36	6.3	clear
0902	72.7	7.48	908.7	31	12.6	dark
	Well	dewatered	@	13 gal.		
	72.3	7.29	976.1	>1000	—	dark

Did well dewater? (Yes) No Gallons actually evacuated: 12.6

Sampling Date: 10-15-08 Sampling Time: 1101 Depth to Water: 9.55 2 hrs.

Sample I.D.: MW-4 Laboratory: STL (Other) Cal Science

Analyzed for: TPH-G BTEX MTBE TPH-D (Other:) SEE COC

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

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

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

9.65

SHELL WELL MONITORING DATA SHEET

BTS #: 081015-EC1	Site: 3420 San Pablo Ave.
Sampler: EC	Date: 10-15-08
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 24.70	Depth to Water (DTW): 8.20
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.50	

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

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

10.7 (Gals.) X 3 = 32.1 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1201	71.8	7.39	690.1	33	10.7	clear
1203	70.3	6.96	730.4	150	21.4	↓
well dewatered @ 22 gal.						
1336	70.9	6.99	728.2	111	—	

Did well dewater? (Yes) No Gallons actually evacuated: 22

Sampling Date: 10-15-08 Sampling Time: 1337 Depth to Water: 10.96

Sample I.D.: MW-5 Laboratory: STL (Other) Cal Science

Analyzed for: TPH-G BTEX MTBE TPH-D (Other:) SEE COC

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

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

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

16.50

SHELL WELL MONITORING DATA SHEET

BTS #: 081015-EC1	Site: 3420 San Pablo Ave.
Sampler: EC	Date: 10-15-08
Well I.D.: MW-6R	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD):	Depth to Water (DTW): 10.12
Depth to Free Product: 9.81	Thickness of Free Product (feet): .31
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

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

Sampling Method: (X) Bailer, Disposable Bailer, Extraction Port, Dedicated Tubing, Other: ___

___ (Gals.) X ___ = ___ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
	Well had product				0.31'	
		removed		188 ml.		

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 10-15-08 Sampling Time: Depth to Water:

Sample I.D.: MW-6R Laboratory: STL (Other) Cal Science

Analyzed for: TPH-G BTEX MTBE TPH-D (Other:) SEE COC

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 081015-EC1	Site: 3420 San Pablo Ave.
Sampler: EC	Date: 10-15-08
Well I.D.: MW-7	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 19.50	Depth to Water (DTW): 6.10
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 8.78	

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: ___

8.7 (Gals.) X 3 = 26.1 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
1323	73.8	8.12	896.1	16	8.7	odor clear
1325	71.5	7.41	874.5	39	17.4	↓ ↓
	well	dewatered	@	18	gal.	
1450	71.9	7.38	888.3	24	—	

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

Sampling Date: 10-15-08 Sampling Time: 1451 Depth to Water: 8.39

Sample I.D.: MW-7 Laboratory: STL (Other) Cal Science

Analyzed for: TPH-G BTEX MTBE TPH-D (Other:) SEE COC

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

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

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

13.40

SHELL WELL MONITORING DATA SHEET

BTS #: 081015-EC1	Site: 3420 San Pablo Ave.
Sampler: EC	Date: 10-15-08
Well I.D.: MW-9	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 19.54	Depth to Water (DTW): 7.70
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

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

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

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

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1036	71.7	7.41	1017	21	7.7	clear
1038	71.3	6.94	1037	18	15.4	↓
1039	71.3	6.89	1031	15	23.1	↓
			DTW = 16.23			

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

Sampling Date: 10-15-08 Sampling Time: 1044 Depth to Water: 16.23

Sample I.D.: MW-9 Laboratory: STL (Other) Cal Science

Analyzed for: TPH-G BTEX MTBE TPH-D (Other:) SEE COC

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

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

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

11.84

SHELL WELL MONITORING DATA SHEET

BTS #: 081015-EC1	Site: 3420 San Pablo Ave.
Sampler: EC	Date: 10-15-08
Well I.D.: MW-10	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 18.78	Depth to Water (DTW): 7.70
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.92	

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
7.2	(Gals.) X	3	=	21.6 Gals.

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0930	68.5	7.42	1333	13	7.2	clear
0932	68.9	7.09	1298	3	14.4	↓
0933	68.6	7.01	1304	2	21.6	↓
			DTW = 16.14			

Did well dewater? Yes (No) Gallons actually evacuated: 21.6

Sampling Date: 10-15-08 Sampling Time: 0938 Depth to Water: 16.14

Sample I.D.: MW-10 Laboratory: STL (Other) Cal Science

Analyzed for: TPH-G BTEX MTBE TPH-D (Other:) SEE COC

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

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

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

11.08

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 3420 San Pablo Ave. Date 10-15-08

Job Number 081015-EC1 Technician EC 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
MW-1	X								
MW-2	X								
MW-3R	X								
MW-4	X								
MW-5	X								
MW-6R	X								
MW-7	X								
MW-9	X								
MW-10	X								
MW-11	~~X~~	EC					X		rim breaking away from well

*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: