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 Service Station
510 East 14th Street (506-510 International Boulevard)
Oakland, California
SAP Code 135695
Incident No. 97601734
ACHCSA Case No. RO0002853

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

February 6, 2007

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

Re: **Groundwater Monitoring Report – Fourth Quarter 2006**
Shell-branded Service Station
510 East 14th Street (506-510 International Boulevard)
Oakland, California
SAP Code 135695
Incident No. 97601734
Agency Case No. RO0002853

Dear Mr. Wickham:

Cambria Environmental Technology, Inc. (Cambria) 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.

If you have any questions regarding the contents of this document, please call Dennis Baertschi at (707) 268-3813.

Sincerely,
Cambria Environmental Technology, Inc.

Dennis Baertschi
Project Geologist

Ana Friel, PG
Associate Geologist

Enclosure: Groundwater Monitoring Report – Fourth Quarter 2006

cc: Mr. Denis Brown, Shell

CAMBRIA

GROUNDWATER MONITORING REPORT – FOURTH QUARTER 2006

Site Address	510 East 14th Street (506-510 International Boulevard)
Site Use	Shell-branded Service Station
Shell Project Manager	Denis Brown
Consultant and Contact Person	Cambria, Dennis Baertschi
Lead Agency and Contact	ACHCSA, Jerry Wickham
Agency Case No.	RO0002853
Shell SAP Code	135695
Shell Incident No.	97601734
Date of Most Recent Agency Correspondence	November 1, 2006

Current Quarter's Activities

1. Blaine Tech Services, Inc. (Blaine) gauged and sampled wells according to the established monitoring program for this site.
2. Cambria prepared a vicinity map (Figure 1) and a groundwater contour and chemical concentration map (Figure 2). The Blaine report, presenting the analytical data, is included in Attachment A.

Current Quarter's Findings

Groundwater Flow Direction	Westerly
Hydraulic Gradient	0.02
Depth to Water	9.82 to 11.05 feet below top of well casing

Proposed Activities for Next Quarter

1. Blaine will gauge and sample wells during the second month of the quarter, according to the established monitoring program for this site.

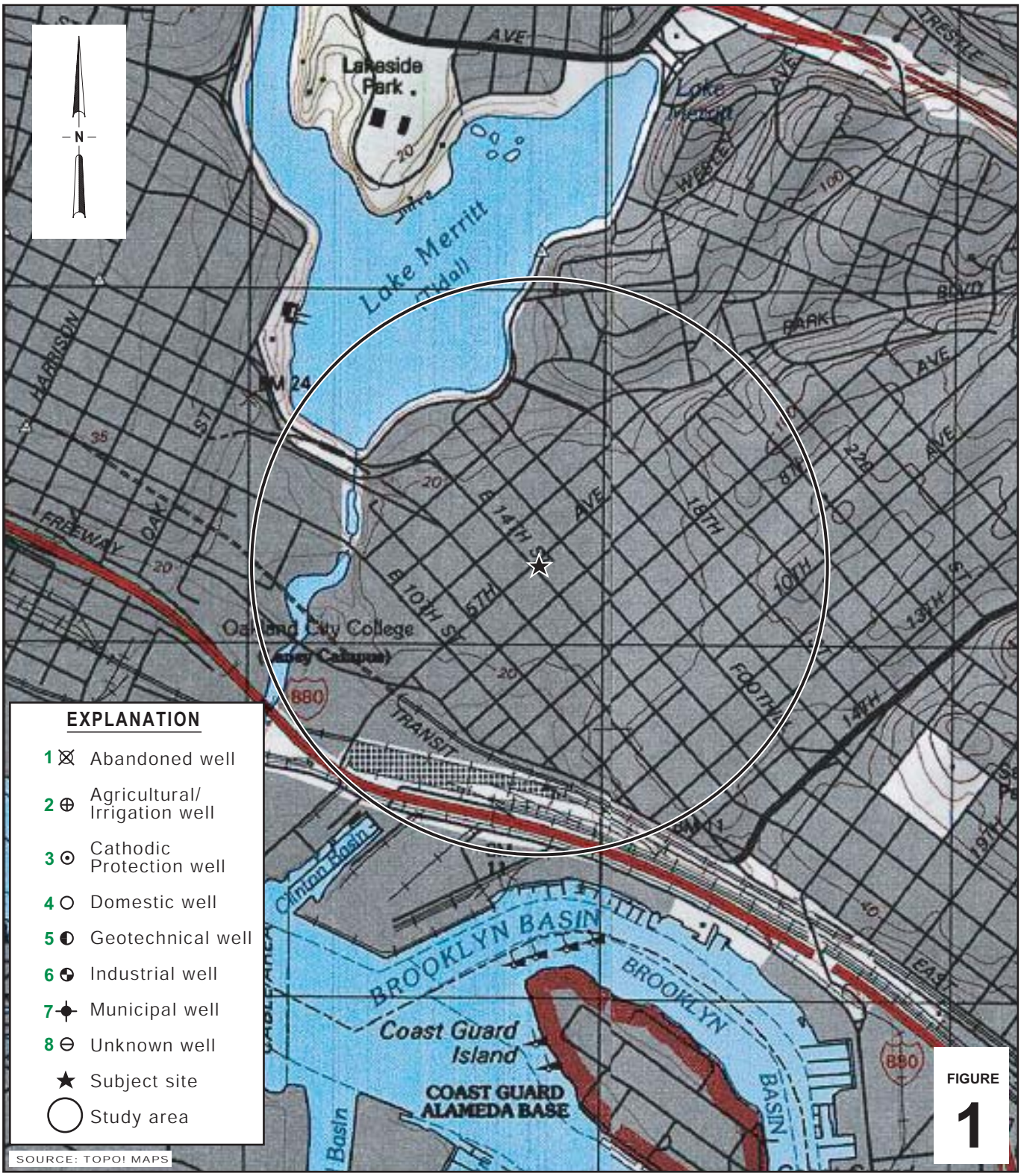
CAMBRIA

Figures: 1 - Vicinity Map
2 - Groundwater Contour and Chemical Concentration Map

Attachment: A - Blaine Tech Services, Inc. - Groundwater Monitoring Report

K:\Oakland 510 E. 14th (506-510 International Blvd)\QMR\2006\4Q06\510 14th St Oakland 4Q06.doc

07/06/06



G:\OAKLAND 506 INTERNATIONAL\FIGURES\VICINITY.AI

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

FIGURE 1

Shell-branded Service Station

506 International Boulevard (506 E. 14th St.)
Oakland, California
Incident No.97601734

CAMBRIA

Vicinity Map

01/05/07

5th AVENUE

INTERNATIONAL BOULEVARD (EAST 14th STREET)

EXPLANATION

- MW-1 — Monitoring well location
- Electrical line (E)
- Sanitary sewer line (SS)
- Water line (W)
- Telecommunications line (T)
- Product piping
- Groundwater flow direction and gradient (ft/ft) (x.xx)
- 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 micrograms per liter and are analyzed by EPA Method 8260.

ND = Below laboratory detection limits

MW-1 19.80 / ND / 300

MW-2 20.85 / ND / 37

MW-3 21.17 / ND / 1.5

MW-4 21.05 / ND / 4.6

MW-5 21.79 / ND / 640

20.00

20.50

21.00

21.50

0.02

planter

SS

E

T

W

air/water

USTs

dispensers

canopy

Former W/O UST excavation area

Shell Station
506-510 International

APN 020-0134-007-03

vents

fence/gate

phone

Commercial
530 & 544 International
APN 020-0134-006

Residential
1442 5th Ave.
APN 020-0134-010

Residential
1432-1436 5th Ave.
APN 020-0134-009

Residential
519-521 E. 15th St.
APN 020-0134-010

Parking
APN 020-0134-007-01

0 10 20 40
Scale (ft)

Groundwater Contour and Chemical Concentration Map

November 13, 2006

CAMBRIA

Shell-branded Service Station
506-510 International Boulevard (506 E. 14th St.)
Oakland, California

FIGURE
2

K:\OAKLAND 506 14TH\FIGURES\4QM06.DWG

Attachment A

Blaine Tech Services, Inc.
Groundwater Monitoring Report

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

January 3, 2007

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

Fourth Quarter 2006 Groundwater Monitoring at
Shell-branded Service Station
510 E. 14th Street
Oakland, CA

Monitoring performed on November 13, 2006

Groundwater Monitoring Report **061113-JD-1**

This report covers the routine monitoring of groundwater wells at this former Shell 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 Coordinator

MN/np

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

cc: Dennis Baertschi
Cambria Environmental Technology, Inc.
P.O. Box 259
Sonoma, CA 95476-0259

WELL CONCENTRATIONS
Shell Service Station
510 E. 14th Street
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-1	08/24/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.85	10.98	19.87
MW-1	08/29/2006	242	<0.500	<0.500	<0.500	<0.500	255	<0.500	<0.500	<0.500	54.1	<0.500	<0.500	30.85	10.98	19.87
MW-1	**11/13/2006**	**140 a**	**<2.5**	**<2.5**	**<2.5**	**<2.5**	**300**	**<2.5**	**<2.5**	**<2.5**	**<100**	**NA**	**NA**	**30.85**	**11.05**	**19.80**
MW-2	08/24/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.96	9.91	21.05
MW-2	08/29/2006	2,130	1.18	0.660	1.67	0.960	206	<0.500	<0.500	<0.500	55.5	<0.500	<0.500	30.96	9.91	21.05
MW-2	**11/13/2006**	**890**	**<0.50**	**1.4**	**4.1**	**4.5**	**37**	**<0.50**	**<0.50**	**<0.50**	**41**	**NA**	**NA**	**30.96**	**10.11**	**20.85**
MW-3	08/24/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.02	10.00	22.02
MW-3	08/29/2006	<50.0	<0.500	<0.500	<0.500	<0.500	28.8	<0.500	<0.500	<0.500	11.9	<0.500	<0.500	32.02	10.00	22.02
MW-3	**11/13/2006**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**1.5**	**<0.50**	**<0.50**	**<0.50**	**<20**	**NA**	**NA**	**32.02**	**10.85**	**21.17**
MW-4	08/24/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.10	9.91	21.19
MW-4	08/29/2006	375	<0.500	<0.500	3.10	0.660	6.53	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	31.10	9.91	21.19
MW-4	**11/13/2006**	**120**	**<0.50**	**<0.50**	**0.87**	**<0.50**	**4.6**	**<0.50**	**<0.50**	**<0.50**	**<20**	**NA**	**NA**	**31.10**	**10.05**	**21.05**
MW-5	08/24/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.61	9.98	21.63
MW-5	08/29/2006	1,260	<0.500	<0.500	<0.500	<0.500	829	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	31.61	9.98	21.63
MW-5	**11/13/2006**	**290 a**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**640**	**<5.0**	**<5.0**	**<5.0**	**<200**	**NA**	**NA**	**31.61**	**9.82**	**21.79**

WELL CONCENTRATIONS
Shell Service Station
510 E. 14th Street
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)

Abbreviations:
TPPH = Total petroleum hydrocarbons as gasoline by modified EPA Method 8260B.
BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B.
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether, analyzed by EPA Method 8260B
ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260B
TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260B
TBA = Tertiary butyl alcohol or tertiary butanol, analyzed by EPA Method 8260B
1,2-DCA = 1,2-Dichloroethane, analyzed by EPA Method 8260B
EDB = Ethylene Dibromide, analyzed by EPA Method 8260B
TOC = Top of Casing Elevation
GW = Groundwater
ug/L = Parts per billion
MSL = Mean sea level
ft. = Feet
<n = Below detection limit
NA = Not applicable

Notes:
a = the result for this hydrocarbon is elevated due to the presence of single analyte peak(s) in the quantitation range.
Site surveyed September 7, 2006 by Virgil Chavez of Vallejo, CA.

TestAmerica
ANALYTICAL TESTING CORPORATION

819 Striker Avenue, Suite 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.testamericainc.com

1 December, 2006

Michael Ninokata
Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose, CA 95112

RE: 510 E. 14th Street, Oakland
Work Order: S611393

Enclosed are the results of analyses for samples received by the laboratory on 11/15/06 09:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sylvia Krenn
Project Manager

CA ELAP Certificate # 2630

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Blaine Tech Services (Shell)	Project:	510 E. 14th Street, Oakland	S611393
1680 Rogers Avenue	Project Number:	97601734	**Reported:**
San Jose CA, 95112	Project Manager:	Michael Ninokata	12/01/06 16:46

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	S611393-01	Water	11/13/06 11:25	11/15/06 09:00
MW-2	S611393-02	Water	11/13/06 10:10	11/15/06 09:00
MW-3	S611393-03	Water	11/13/06 08:30	11/15/06 09:00
MW-4	S611393-04	Water	11/13/06 11:05	11/15/06 09:00
MW-5	S611393-05	Water	11/13/06 11:40	11/15/06 09:00

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Blaine Tech Services (Shell)	Project: 510 E. 14th Street, Oakland	S611393
1680 Rogers Avenue	Project Number: 97601734	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	12/01/06 16:46

Total Purgeable Hydrocarbons by GC/MS (CA LUFT)

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (S611393-01) Water Sampled: 11/13/06 11:25 Received: 11/15/06 09:00									
Gasoline Range Organics (C4-C12)	**140**	50	ug/l	1	6K21037	11/21/06	11/22/06	LUFT GCMS	HC-11
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*60-145*		"	"	"	"	
MW-2 (S611393-02) Water Sampled: 11/13/06 10:10 Received: 11/15/06 09:00									
Gasoline Range Organics (C4-C12)	**890**	50	ug/l	1	6K21037	11/21/06	11/22/06	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*60-145*		"	"	"	"	
MW-3 (S611393-03) Water Sampled: 11/13/06 08:30 Received: 11/15/06 09:00									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	6K21037	11/21/06	11/22/06	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*60-145*		"	"	"	"	
MW-4 (S611393-04) Water Sampled: 11/13/06 11:05 Received: 11/15/06 09:00									
Gasoline Range Organics (C4-C12)	**120**	50	ug/l	1	6K21037	11/21/06	11/22/06	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*97 %*	*60-145*		"	"	"	"	
MW-5 (S611393-05) Water Sampled: 11/13/06 11:40 Received: 11/15/06 09:00									
Gasoline Range Organics (C4-C12)	**290**	50	ug/l	1	6K21037	11/21/06	11/22/06	LUFT GCMS	HC-11
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*60-145*		"	"	"	"	

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Blaine Tech Services (Shell)	Project: 510 E. 14th Street, Oakland	S611393
1680 Rogers Avenue	Project Number: 97601734	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	12/01/06 16:46

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (S611393-01) Water Sampled: 11/13/06 11:25 Received: 11/15/06 09:00									
Benzene	ND	2.5	ug/l	5	6K22031	11/22/06	11/23/06	EPA 8260B	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
Xylenes (total)	ND	2.5	"	"	"	"	"	"	
Methyl tert-butyl ether	**300**	2.5	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.5	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	2.5	"	"	"	"	"	"	
tert-Butyl alcohol	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*		*75-130*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*107 %*		*60-145*	"	"	"	"	
Surrogate: Toluene-d8		*98 %*		*70-130*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90 %*		*60-120*	"	"	"	"	
MW-2 (S611393-02) Water Sampled: 11/13/06 10:10 Received: 11/15/06 09:00									
Benzene	ND	0.50	ug/l	1	6K21037	11/21/06	11/22/06	EPA 8260B	
Toluene	**1.4**	0.50	"	"	"	"	"	"	
Ethylbenzene	**4.1**	0.50	"	"	"	"	"	"	
Xylenes (total)	**4.5**	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**37**	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	**41**	20	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*		*75-130*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*60-145*	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*70-130*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*		*60-120*	"	"	"	"	

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Blaine Tech Services (Shell)	Project: 510 E. 14th Street, Oakland	S611393
1680 Rogers Avenue	Project Number: 97601734	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	12/01/06 16:46

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (S611393-03) Water Sampled: 11/13/06 08:30 Received: 11/15/06 09:00									
Benzene	ND	0.50	ug/l	1	6K21037	11/21/06	11/22/06	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**1.5**	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*		*75-130*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*		*60-145*	"	"	"	"	
Surrogate: Toluene-d8		*100 %*		*70-130*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*		*60-120*	"	"	"	"	
MW-4 (S611393-04) Water Sampled: 11/13/06 11:05 Received: 11/15/06 09:00									
Benzene	ND	0.50	ug/l	1	6K21037	11/21/06	11/22/06	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**0.87**	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**4.6**	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*		*75-130*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97 %*		*60-145*	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*70-130*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*		*60-120*	"	"	"	"	

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Blaine Tech Services (Shell)	Project: 510 E. 14th Street, Oakland	S611393
1680 Rogers Avenue	Project Number: 97601734	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	12/01/06 16:46

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-5 (S611393-05) Water Sampled: 11/13/06 11:40 Received: 11/15/06 09:00									
Benzene	ND	5.0	ug/l	10	6K22031	11/22/06	11/23/06	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**640**	5.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	ND	200	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*		*75-130*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*		*60-145*	"	"	"	"	
Surrogate: Toluene-d8		*96 %*		*70-130*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90 %*		*60-120*	"	"	"	"	

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www.testamericainc.com

Blaine Tech Services (Shell)	Project: 510 E. 14th Street, Oakland	S611393
1680 Rogers Avenue	Project Number: 97601734	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	12/01/06 16:46

Total Purgeable Hydrocarbons by GC/MS (CA LUFT) - Quality Control
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6K21037 - EPA 5030B P/T / LUFT GCMS										
Blank (6K21037-BLK1)				Prepared & Analyzed: 11/21/06						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*2.63*		*"*	*2.50*		*105*	*60-145*			
Laboratory Control Sample (6K21037-BS2)				Prepared & Analyzed: 11/21/06						
Gasoline Range Organics (C4-C12)	389	50	ug/l	440		88	75-140			
Surrogate: 1,2-Dichloroethane-d4	*2.00*		*"*	*2.50*		*80*	*60-145*			
Laboratory Control Sample Dup (6K21037-BSD2)				Prepared & Analyzed: 11/21/06						
Gasoline Range Organics (C4-C12)	405	50	ug/l	440		92	75-140	4	20	
Surrogate: 1,2-Dichloroethane-d4	*2.00*		*"*	*2.50*		*80*	*60-145*			

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Blaine Tech Services (Shell)	Project: 510 E. 14th Street, Oakland	S611393
1680 Rogers Avenue	Project Number: 97601734	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	12/01/06 16:46

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6K21037 - EPA 5030B P/T / EPA 8260B										
Blank (6K21037-BLK1)				Prepared & Analyzed: 11/21/06						
Benzene	ND	0.50	ug/l							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
tert-Amyl methyl ether	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Surrogate: Dibromofluoromethane	*2.48*		*"*	*2.50*		*99*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.63*		*"*	*2.50*		*105*	*60-145*			
Surrogate: Toluene-d8	*2.47*		*"*	*2.50*		*99*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.42*		*"*	*2.50*		*97*	*60-120*			
Laboratory Control Sample (6K21037-BS1)				Prepared & Analyzed: 11/21/06						
Benzene	9.15	0.50	ug/l	10.0		92	70-125			
Toluene	9.40	0.50	"	10.0		94	70-120			
Ethylbenzene	9.61	0.50	"	10.0		96	70-130			
Xylenes (total)	29.6	0.50	"	30.0		99	80-125			
Methyl tert-butyl ether	9.38	0.50	"	10.0		94	50-140			
Di-isopropyl ether	9.53	0.50	"	10.0		95	70-130			
Ethyl tert-butyl ether	9.57	0.50	"	10.0		96	65-130			
tert-Amyl methyl ether	9.70	0.50	"	10.0		97	65-135			
tert-Butyl alcohol	186	20	"	200		93	60-135			
Surrogate: Dibromofluoromethane	*2.58*		*"*	*2.50*		*103*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.52*		*"*	*2.50*		*101*	*60-145*			
Surrogate: Toluene-d8	*2.58*		*"*	*2.50*		*103*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.62*		*"*	*2.50*		*105*	*60-120*			

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1680 Rogers Avenue	Project Number: 97601734	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	12/01/06 16:46

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6K21037 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (6K21037-MS1)	**Source: MPK0746-01**			Prepared: 11/21/06		Analyzed: 11/22/06				
Benzene	10.2	0.50	ug/l	10.0	ND	102	70-125			
Toluene	10.1	0.50	"	10.0	ND	101	70-120			
Ethylbenzene	10.4	0.50	"	10.0	ND	104	70-130			
Xylenes (total)	32.0	0.50	"	30.0	0.38	105	80-125			
Methyl tert-butyl ether	519	0.50	"	10.0	520	0	50-140			QM05, E
Di-isopropyl ether	11.3	0.50	"	10.0	ND	113	70-130			
Ethyl tert-butyl ether	11.5	0.50	"	10.0	ND	115	65-130			
tert-Amyl methyl ether	27.9	0.50	"	10.0	16	119	65-135			
tert-Butyl alcohol	252	20	"	200	38	107	60-135			
Surrogate: Dibromofluoromethane	*2.65*		*"*	*2.50*		*106*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.62*		*"*	*2.50*		*105*	*60-145*			
Surrogate: Toluene-d8	*2.54*		*"*	*2.50*		*102*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.55*		*"*	*2.50*		*102*	*60-120*			
Matrix Spike Dup (6K21037-MSD1)	**Source: MPK0746-01**			Prepared: 11/21/06		Analyzed: 11/22/06				
Benzene	9.84	0.50	ug/l	10.0	ND	98	70-125	4	15	
Toluene	9.73	0.50	"	10.0	ND	97	70-120	4	15	
Ethylbenzene	10.1	0.50	"	10.0	ND	101	70-130	3	15	
Xylenes (total)	31.3	0.50	"	30.0	0.38	103	80-125	2	15	
Methyl tert-butyl ether	508	0.50	"	10.0	520	0	50-140	2	25	QM05, E
Di-isopropyl ether	10.6	0.50	"	10.0	ND	106	70-130	6	35	
Ethyl tert-butyl ether	10.6	0.50	"	10.0	ND	106	65-130	8	35	
tert-Amyl methyl ether	25.8	0.50	"	10.0	16	98	65-135	8	25	
tert-Butyl alcohol	248	20	"	200	38	105	60-135	2	35	
Surrogate: Dibromofluoromethane	*2.65*		*"*	*2.50*		*106*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.53*		*"*	*2.50*		*101*	*60-145*			
Surrogate: Toluene-d8	*2.53*		*"*	*2.50*		*101*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.50*		*"*	*2.50*		*100*	*60-120*			

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1680 Rogers Avenue	Project Number: 97601734	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	12/01/06 16:46

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6K22031 - EPA 5030B P/T / EPA 8260B										
Blank (6K22031-BLK1)				Prepared: 11/22/06 Analyzed: 11/23/06						
Benzene	ND	0.50	ug/l							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
tert-Amyl methyl ether	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Surrogate: Dibromofluoromethane	*2.47*		*"*	*2.50*		*99*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.59*		*"*	*2.50*		*104*	*60-145*			
Surrogate: Toluene-d8	*2.46*		*"*	*2.50*		*98*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.30*		*"*	*2.50*		*92*	*60-120*			
Laboratory Control Sample (6K22031-BS1)				Prepared: 11/22/06 Analyzed: 11/23/06						
Benzene	9.84	0.50	ug/l	10.0		98	70-125			
Toluene	9.83	0.50	"	10.0		98	70-120			
Ethylbenzene	10.3	0.50	"	10.0		103	70-130			
Xylenes (total)	31.4	0.50	"	30.0		105	80-125			
Methyl tert-butyl ether	10.3	0.50	"	10.0		103	50-140			
Di-isopropyl ether	10.4	0.50	"	10.0		104	70-130			
Ethyl tert-butyl ether	10.5	0.50	"	10.0		105	65-130			
tert-Amyl methyl ether	10.7	0.50	"	10.0		107	65-135			
tert-Butyl alcohol	203	20	"	200		102	60-135			
Surrogate: Dibromofluoromethane	*2.57*		*"*	*2.50*		*103*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.55*		*"*	*2.50*		*102*	*60-145*			
Surrogate: Toluene-d8	*2.57*		*"*	*2.50*		*103*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.62*		*"*	*2.50*		*105*	*60-120*			

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Blaine Tech Services (Shell)	Project: 510 E. 14th Street, Oakland	S611393
1680 Rogers Avenue	Project Number: 97601734	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	12/01/06 16:46

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6K22031 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (6K22031-MS1)	**Source: MPK0753-01**			Prepared: 11/22/06		Analyzed: 11/23/06				
Benzene	9.85	0.50	ug/l	10.0	ND	98	70-125			
Toluene	10.1	0.50	"	10.0	ND	101	70-120			
Ethylbenzene	10.1	0.50	"	10.0	ND	101	70-130			
Xylenes (total)	30.7	0.50	"	30.0	ND	102	80-125			
Methyl tert-butyl ether	119	0.50	"	10.0	100	190	50-140			QM04
Di-isopropyl ether	10.8	0.50	"	10.0	ND	108	70-130			
Ethyl tert-butyl ether	11.0	0.50	"	10.0	ND	110	65-130			
tert-Amyl methyl ether	11.1	0.50	"	10.0	ND	111	65-135			
tert-Butyl alcohol	789	20	"	200	540	124	60-135			
Surrogate: Dibromofluoromethane	*2.66*		*"*	*2.50*		*106*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.65*		*"*	*2.50*		*106*	*60-145*			
Surrogate: Toluene-d8	*2.53*		*"*	*2.50*		*101*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.57*		*"*	*2.50*		*103*	*60-120*			
Matrix Spike Dup (6K22031-MSD1)	**Source: MPK0753-01**			Prepared: 11/22/06		Analyzed: 11/23/06				
Benzene	9.47	0.50	ug/l	10.0	ND	95	70-125	4	15	
Toluene	9.64	0.50	"	10.0	ND	96	70-120	5	15	
Ethylbenzene	9.63	0.50	"	10.0	ND	96	70-130	5	15	
Xylenes (total)	29.3	0.50	"	30.0	ND	98	80-125	5	15	
Methyl tert-butyl ether	119	0.50	"	10.0	100	190	50-140	0	25	QM04
Di-isopropyl ether	10.6	0.50	"	10.0	ND	106	70-130	2	35	
Ethyl tert-butyl ether	10.6	0.50	"	10.0	ND	106	65-130	4	35	
tert-Amyl methyl ether	10.7	0.50	"	10.0	ND	107	65-135	4	25	
tert-Butyl alcohol	776	20	"	200	540	118	60-135	2	35	
Surrogate: Dibromofluoromethane	*2.69*		*"*	*2.50*		*108*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.66*		*"*	*2.50*		*106*	*60-145*			
Surrogate: Toluene-d8	*2.53*		*"*	*2.50*		*101*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.56*		*"*	*2.50*		*102*	*60-120*			

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1680 Rogers Avenue	Project Number: 97601734	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	12/01/06 16:46

Notes and Definitions

QM05	The spike recovery was below control limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
QM04	The spike recovery was above control limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
HC-11	The result for this hydrocarbon is elevated due to the presence of single analyte peak(s) in the quantitation range.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

SHELL Chain Of Custody Record

LAB:
- ☐ TA - Irvine, California
- ☐ TA - Morgan Hill, California
- ☐ TA - Sacramento, California
- ☐ TA - Nashville, Tennessee
- ☐ Calscience
- ☐ Other_____

NAME OF PERSON TO BILL: Denis Brown
- ☑ ENVIRONMENTAL SERVICES
- ☐ NETWORK DEV / FE
- ☐ BILL CONSULTANT
- ☐ COMPLIANCE
- ☐ RMT/CRMT

☐ CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

INCIDENT # (ES ONLY): 9 7 6 0 1 7 3 4

PO #:

SAP or CRMT #:

DATE: 11-13-06

PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services

LOG CODE: BTSS

SITE ADDRESS: Street and City: 510 E. 14th Street, Oakland

State: CA

GLOBAL ID NO.: T0600112421

ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112

EDF DELIVERABLE TO (Name, Company, Office Location): Dennis Baertshi, Cambria, Eureka Office

PHONE NO.: 707-268-3813

E-MAIL: sonomaedf@cambria-env.com

CONSULTANT PROJECT NO.: BTS # 060113-JT-1

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): Dan Pompf

LAB USE ONLY

TAT (STD IS 10 BUSINESS DAYS / RUSH IS CALENDAR DAYS):
- ☒ STD ☐ 5 DAY ☐ 3 DAY ☐ 2 DAY ☐ 24 HOURS
- ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: _____

SPECIAL INSTRUCTIONS OR NOTES:
- ☐ EDD NOT NEEDED
- ☐ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMB RATE APPLIES
- ☑ RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable (8260B)	TPH - Diesel, Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	TPH-motor oil (8015M)	TDS (160.1)	Total Iron (6010B)	Total Lead (6010B)		Total Oil and Grease (1664A)		TEMPERATURE ON RECEIPT C°
	MW-1	11-13-06	1125	H_2O	3	X		X	X																-01
	MW-2	11-13-06	1010	↓	↓	X		X	X																-02
	MW-3	11-13-06	0850			X		X	X																-03
	MW-4	11-13-06	1105			X		X	X																-04
	MW-5	11-13-06	1140	↓	↓	X		X	X																-05

FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes

3.8°

Relinquished by: (Signature)	Received by: (Signature) (Sample custodian)	Date: 11-13-06	Time: 1620
Relinquished by: (Signature)	Received by: (Signature)	Date: 11-13-06	Time: 1710
Relinquished by: (Signature)	Received by: (Signature)	Date: 11-13-06	Time: 18:00
Relinquished by: (Signature)	Received by: (Signature)	Date: 11/14/06	Time: 1130
		Date: 11/15/06	Time: 0900

05/02/06 Revision

Q&Q Graphic (714) 898-9702

WELLHEAD INSPECTION CHECKLIST

Client shell Date 11-13-06

Site Address 510 E. 14th St, Oakland

Job Number 061113-JD-1 Technician Dan R.

Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12"or less)	WELL IS MARKED WITH THE WORDS "MONITORING WELL" (12"or less)	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
MW-1	X	X	X	X						
MW-2	X	X	X							
MW-3	X	X	X							
MW-4	X	X	X							
MW-5	X	X	X							

NOTES:

WELL GAUGING DATA

Project # 061113-SD-1 Date 11-13-06 Client Shell

Site 510 E. 14th 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	ORDER Notes
MW-1	0815	4	N				11.05	20.77		2
MW-2	0828	4	N				10.11	24.15		5
MW-3	0810	4	N				10.85	27.57		1
MW-4	0820	4	N				10.05	21.61		3
MW-5	0824	4	N				9.82	21.79	↓	4

SHELL WELL MONITORING DATA SHEET

BTS #: 061113-JD-1	Site: 510 E. 14th St, Oakland
Sampler: Dan R.	Date: 11-13-06
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 20.77	Depth to Water (DTW): 11.05
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]: 12.99	

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
6.3	(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 (uS))	Turbidity (NTUs)	Gals. Removed	Observations
0924	68.5	7.0	627	91	6.3	
0928	70.8	7.1	652	278	12.6	
well	de-watered @ 18 gallons @ 0926					
1125	68.2	7.0	664	306	—	

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

Sampling Date: 11-13-06 Sampling Time: 1125 Depth to Water: 11.91

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

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

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 #: 061113-SD-1	Site: 510 E. 14th St, Oakland
Sampler: Dan R.	Date: 11-13-06
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 24.15	Depth to Water (DTW): 10.11
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]: 12.91	

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

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

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

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1005	69.5	7.3	961	71,000	9.1	murky brown
1007	69.4	7.0	936	438	18.2	clear
1008	70.3	7.0	907	181	27.3	clear

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

Sampling Date: 11-13-06 Sampling Time: 1010 Depth to Water:

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

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

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 #: 061113-JD-1	Site: 510 E.14th St, Oakland
Sampler: Dan R.	Date: 11-13-06
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 27.57	Depth to Water (DTW): 10.85
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]: 14.194	

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

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

10.8 (Gals.) X 3 = 32.4 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
0840	65.6	6.7	689	71,000	10.8	brownish
0842	66.1	6.8	695	397	21.6	more clear
0844	66.1	6.8	705	112	32.4	clear

Did well dewater? Yes (No) Gallons actually evacuated: 32.4

Sampling Date: 11-13-06 Sampling Time: 0850 Depth to Water: 11.32

Sample I.D.: MW-3 Laboratory: STL (Other) TA

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

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 #: 061113-SD-1	Site: 510 E. 14th St, Oakland
Sampler: Dan R.	Date: 11-13-06
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 21.61	Depth to Water (DTW): 10.05
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]: 12.36	

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:

7.5 (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 (uS))	Turbidity (NTUs)	Gals. Removed	Observations
0905	65.7	7.1	491	62	7.5	clear
0906	68.7	7.0	441	36	15.0	clear
0907	well de-watered @ 20 gallons				~~22.5~~ 20	clear
1100	67.2	7.0	526	135	-	clear

Did well dewater? (Yes) No Gallons actually evacuated: 20

Sampling Date: 11-13-06 Sampling Time: 1105 Depth to Water: 11.16

Sample I.D.: MW-4 Laboratory: STL Other TA

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

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 #: 061113-SD-1	Site: 510 E. 14th St, Oakland
Sampler: Dan R.	Date: 11-13-06
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 21.79	Depth to Water (DTW): 9.82
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]: 12.21	

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:_____

7.8 (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
0940	70.8	10.8	4417	84	7.8	clear
0941	72.5	10.9	4950	56	15.6	clear
well	de-watered	@ 16	gallons	@ 0942.		
1138	68.6	9.0	938	75	—	clear

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

Sampling Date: 11-13-06 Sampling Time: 1140 Depth to Water: 11.21

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

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

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