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

CONESTOGA-ROVERS
& ASSOCIATES

19449 Riverside Drive, Suite 230, Sonoma, California 95476
Telephone: 707-935-4850 Facsimile: 707-935-6649
www.CRAworld.com

June 1, 2007

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

Re: **Groundwater Monitoring Report – First Quarter 2007**
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:

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.

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

Sincerely,
Conestoga-Rovers & Associates

PROFESSIONAL GEOLOGIST
ANA FRIEL
No. 6452
Exp 9/07
STATE OF CALIFORNIA

Dennis Baertschi
Project Geologist

Ana Friel, PG
Associate Geologist

Enclosure: Groundwater Monitoring Report – First Quarter 2007

cc: Mr. Denis Brown, Shell

CONESTOGA-ROVERS
& ASSOCIATES

Mr. Jerry Wickham
June 1, 2007

GROUNDWATER MONITORING REPORT – FIRST QUARTER 2007

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

Current Quarter's Findings

Groundwater Flow Direction	Westerly
Hydraulic Gradient	0.02
Depth to Water	8.62 to 9.90 feet below top of well casing

Proposed Activities for Next Quarter

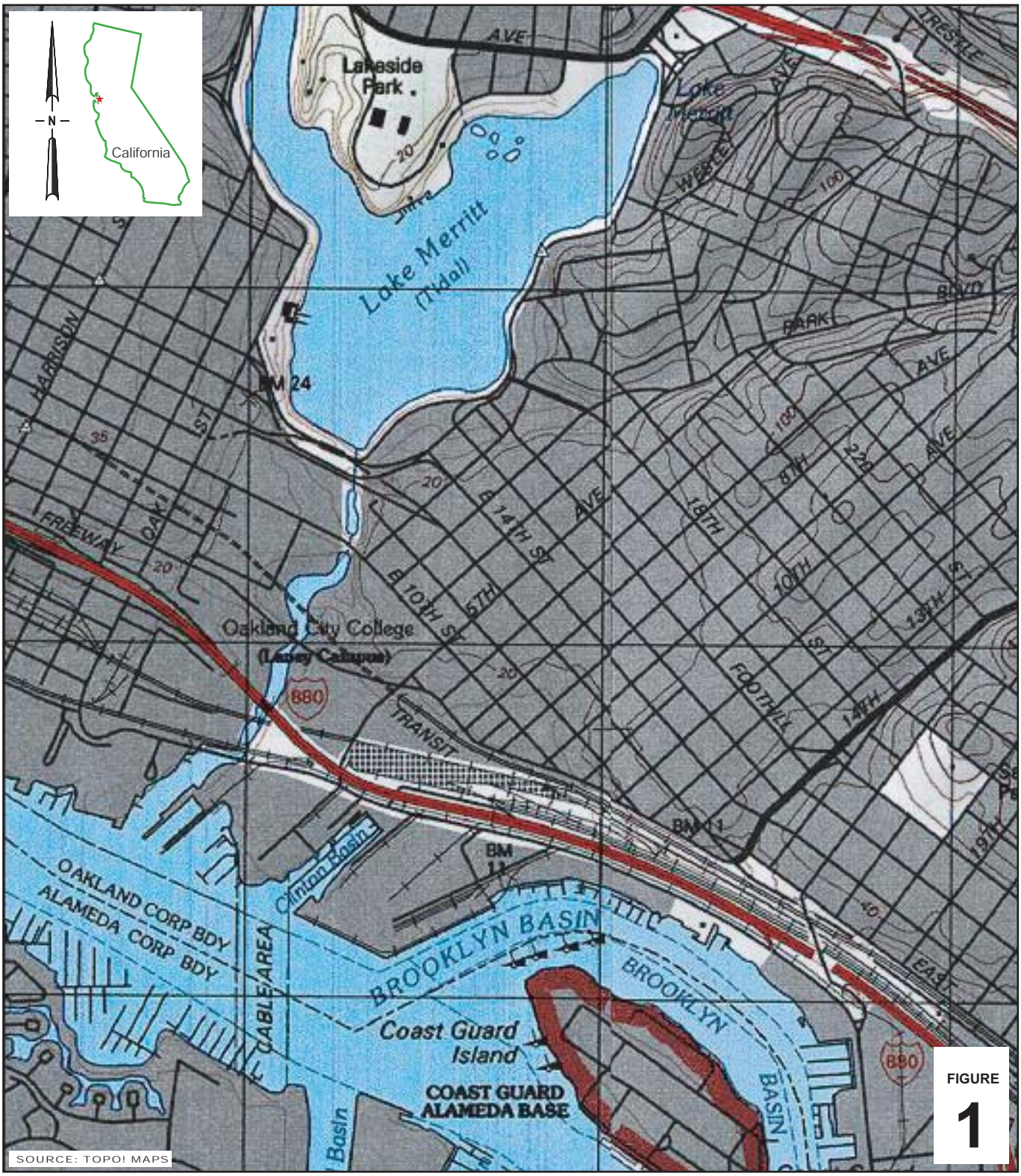
1. Blaine will gauge and sample wells during the second month of the quarter, according to the established monitoring program for this site, and CRA will prepare a report.

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

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

I:\Sonoma.Shell\Oakland 510 E. 14th (506-510 International Blvd)\QMR\2007\1Q07\510 14th St Oakland 1Q07.doc

05/10/07



I:\SON-S1\SHARED\SONOMA.SHELL\OAKLAND 506 INTERNATIONAL\FIGURES\VICINITY.AI

FIGURE
1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

Shell-branded Service Station

506 International Boulevard (506 E. 14th St.)

Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

05/10/07

Groundwater Contour and Chemical Concentration Map

February 9, 2007

EXPLANATION

- MW-1 — Monitoring well location
- Electrical line (E)
- Sanitary sewer line (SS)
- Water line (W)
- Telecommunications line (T)
- Product piping
- x.xx — Groundwater flow direction and gradient
- XX.XX — Groundwater elevation contour, in feet above mean sea level (msl)
- Well designation
- ELEV — Groundwater elevation, in feet above msl
- Benzene / MTBE — Benzene and MTBE concentrations are in micrograms per liter

Notes:
ND = Not detected

5th AVENUE

INTERNATIONAL BOULEVARD (EAST 14th STREET)

MW-1
21.24
ND
160

MW-2
22.23
0.84
67

MW-3
22.12
ND
2.6

MW-4
22.48
ND
5.2

MW-5
22.20
ND
350

21.90
21.50
21.50
21.90
22.30
22.30

0.02

USTs
Dispensers
canopy
planter
planter
SS
SS
SS
E
T
E
E
W
W
E
air/water
vents
fence/gate
Shell Station
506-510 International Blvd.
APN 020-0134-007-03
Former W/O UST
excavation area
T
E
E
T
E
phone
fence/gate
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
Commercial
530 & 544 International
APN 020-0134-006
E
W

0 10 20 40
Scale (ft)

FIGURE
2

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

CONESTOGA-ROVERS & ASSOCIATES

I:\SON-S1\SHARED\SONOMA.SHELL\OAKLAND 510 14TH\FIGURES\1QM07.DWG

Attachment A

Blaine Tech Services, Inc.
Groundwater Monitoring Report

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

March 19, 2007

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

First Quarter 2007 Groundwater Monitoring at
Shell-branded Service Station
510 E. 14th Street
Oakland, CA

Monitoring performed on February 9, 2007

Groundwater Monitoring Report **070209-BR-1**

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

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

cc: Dennis Baertschi
Cambria Environmental Technology, Inc.
19449 Riverside Dr., Suite 230
Sonoma, CA 95476

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-1	**02/09/2007**	**100**	**<0.50**	**0.86**	**<0.50**	**<1.0**	**160**	**<2.0**	**<2.0**	**<2.0**	**95**	**NA**	**NA**	**30.85**	**9.61**	**21.24**
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-2	**02/09/2007**	**760**	**0.84**	**3.0**	**5.0**	**6.7**	**67**	**<2.0**	**<2.0**	**<2.0**	**210**	**NA**	**NA**	**30.96**	**8.73**	**22.23**
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-3	**02/09/2007**	**<50**	**<0.50**	**2.4**	**0.81**	**5.8**	**2.6**	**<2.0**	**<2.0**	**<2.0**	**<5.0**	**NA**	**NA**	**32.02**	**9.90**	**22.12**
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-4	**02/09/2007**	**130**	**<0.50**	**0.92**	**1.6**	**<1.0**	**5.2**	**<2.0**	**<2.0**	**<2.0**	**11**	**NA**	**NA**	**31.10**	**8.62**	**22.48**
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
MW-5	**02/09/2007**	**260**	**<0.50**	**1.1**	**<0.50**	**1.1**	**350**	**<2.0**	**<2.0**	**<2.0**	**270**	**NA**	**NA**	**31.61**	**9.41**	**22.20**

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

28 February, 2007

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

RE: 510 E. 14th Street, Oakland
Work Order: SQB0244

Enclosed are the results of analyses for samples received by the laboratory on 02/12/07 13:25. 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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ANALYTICAL TESTING CORPORATION

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

Blaine Tech Services (Shell)	Project: 510 E. 14th Street, Oakland	SQB0244
1680 Rogers Avenue	Project Number: 97601734	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	02/28/07 23:44

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	SQB0244-01	Water	02/09/07 11:45	02/12/07 13:25
MW-2	SQB0244-02	Water	02/09/07 09:20	02/12/07 13:25
MW-3	SQB0244-03	Water	02/09/07 08:35	02/12/07 13:25
MW-4	SQB0244-04	Water	02/09/07 11:40	02/12/07 13:25
MW-5	SQB0244-05	Water	02/09/07 11:55	02/12/07 13:25

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Blaine Tech Services (Shell)	Project: 510 E. 14th Street, Oakland	SQB0244
1680 Rogers Avenue	Project Number: 97601734	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	02/28/07 23:44

Gasoline\BTEX\Oxygenates by GCMS\8260B

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (SQB0244-01) Water Sampled: 02/09/07 11:45 Received: 02/12/07 13:25									
Tert-butyl alcohol	**95**	5.0	ug/l	1	7020220	02/22/07	02/22/07	GCMS \ 8260B	
Methyl tert-butyl ether	**160**	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Toluene	**0.86**	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**100**	50	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*78 %*		*78-128*	"	"	"	"	
Surrogate: Toluene-d8		*100 %*		*86-112*	"	"	"	"	
Surrogate: 4-BFB		*104 %*		*86-114*	"	"	"	"	
MW-2 (SQB0244-02) Water Sampled: 02/09/07 09:20 Received: 02/12/07 13:25									
Tert-butyl alcohol	**210**	5.0	ug/l	1	7020220	02/22/07	02/22/07	GCMS \ 8260B	
Methyl tert-butyl ether	**67**	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Benzene	**0.84**	0.50	"	"	"	"	"	"	
Ethylbenzene	**5.0**	0.50	"	"	"	"	"	"	
Toluene	**3.0**	0.50	"	"	"	"	"	"	
Xylenes (total)	**6.7**	1.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**760**	50	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*79 %*		*78-128*	"	"	"	"	
Surrogate: Toluene-d8		*97 %*		*86-112*	"	"	"	"	
Surrogate: 4-BFB		*101 %*		*86-114*	"	"	"	"	

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Blaine Tech Services (Shell)	Project: 510 E. 14th Street, Oakland	SQB0244
1680 Rogers Avenue	Project Number: 97601734	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	02/28/07 23:44

Gasoline\BTEX\Oxygenates by GCMS\8260B

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (SQB0244-03) Water Sampled: 02/09/07 08:35 Received: 02/12/07 13:25									
Tert-butyl alcohol	ND	5.0	ug/l	1	7020220	02/22/07	02/22/07	GCMS \ 8260B	
Methyl tert-butyl ether	**2.6**	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**0.81**	0.50	"	"	"	"	"	"	
Toluene	**2.4**	0.50	"	"	"	"	"	"	
Xylenes (total)	**5.8**	1.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*78 %*		*78-128*	"	"	"	"	
Surrogate: Toluene-d8		*100 %*		*86-112*	"	"	"	"	
Surrogate: 4-BFB		*104 %*		*86-114*	"	"	"	"	
MW-4 (SQB0244-04) Water Sampled: 02/09/07 11:40 Received: 02/12/07 13:25									
Tert-butyl alcohol	**11**	5.0	ug/l	1	7020220	02/22/07	02/22/07	GCMS \ 8260B	
Methyl tert-butyl ether	**5.2**	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**1.6**	0.50	"	"	"	"	"	"	
Toluene	**0.92**	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**130**	50	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*81 %*		*78-128*	"	"	"	"	
Surrogate: Toluene-d8		*99 %*		*86-112*	"	"	"	"	
Surrogate: 4-BFB		*107 %*		*86-114*	"	"	"	"	

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Blaine Tech Services (Shell)	Project: 510 E. 14th Street, Oakland	SQB0244
1680 Rogers Avenue	Project Number: 97601734	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	02/28/07 23:44

Gasoline\BTEX\Oxygenates by GCMS\8260B

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-5 (SQB0244-05) Water Sampled: 02/09/07 11:55 Received: 02/12/07 13:25									
Tert-butyl alcohol	**270**	5.0	ug/l	1	7020220	02/22/07	02/22/07	GCMS \ 8260B	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Toluene	**1.1**	0.50	"	"	"	"	"	"	
Xylenes (total)	**1.1**	1.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**260**	50	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*79 %*		*78-128*	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*86-112*	"	"	"	"	
Surrogate: 4-BFB		*108 %*		*86-114*	"	"	"	"	
MW-5 (SQB0244-05RE1) Water Sampled: 02/09/07 11:55 Received: 02/12/07 13:25									
Methyl tert-butyl ether	**350**	2.5	ug/l	5	7020220	02/23/07	02/23/07	GCMS \ 8260B	
Surrogate: 1,2-DCA-d4		*100 %*		*78-128*	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*86-112*	"	"	"	"	
Surrogate: 4-BFB		*104 %*		*86-114*	"	"	"	"	

TestAmerica
ANALYTICAL TESTING CORPORATION

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

Blaine Tech Services (Shell)	Project: 510 E. 14th Street, Oakland	SQB0244
1680 Rogers Avenue	Project Number: 97601734	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	02/28/07 23:44

Gasoline\BTEX\Oxygenates by GCMS\8260B - Quality Control
TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7020220 - EPA 5030B [P/T] / GCMS \ 8260B										
Blank (7020220-BLK1)				Prepared & Analyzed: 02/22/07						
Ethanol	ND	50	ug/l							
Tert-butyl alcohol	ND	5.0	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Tert-amyl methyl ether	ND	2.0	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Benzene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	1.0	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-DCA-d4	*19.6*		*"*	*25.0*		*78*	*78-128*			
Surrogate: Toluene-d8	*27.2*		*"*	*25.0*		*109*	*86-112*			
Surrogate: 4-BFB	*26.4*		*"*	*25.0*		*106*	*86-114*			
Blank (7020220-BLK2)				Prepared & Analyzed: 02/23/07						
Ethanol	ND	50	ug/l							
Tert-butyl alcohol	ND	5.0	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Tert-amyl methyl ether	ND	2.0	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Benzene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	1.0	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-DCA-d4	*26.1*		*"*	*25.0*		*104*	*78-128*			
Surrogate: Toluene-d8	*25.2*		*"*	*25.0*		*101*	*86-112*			
Surrogate: 4-BFB	*26.4*		*"*	*25.0*		*106*	*86-114*			

TestAmerica
ANALYTICAL TESTING CORPORATION

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

Blaine Tech Services (Shell)	Project: 510 E. 14th Street, Oakland	SQB0244
1680 Rogers Avenue	Project Number: 97601734	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	02/28/07 23:44

Gasoline\BTEX\Oxygenates by GCMS\8260B - Quality Control

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7020220 - EPA 5030B [P/T] / GCMS \ 8260B										
Laboratory Control Sample (7020220-BS1)				Prepared & Analyzed: 02/22/07						
Gasoline Range Organics (C4-C12)	1870	50	ug/l	2200		85	75-122			
Surrogate: 1,2-DCA-d4	*18.8*		*"*	*25.0*		*75*	*78-128*			*Z6*
Surrogate: Toluene-d8	*25.4*		*"*	*25.0*		*102*	*86-112*			
Surrogate: 4-BFB	*25.4*		*"*	*25.0*		*102*	*86-114*			
Laboratory Control Sample (7020220-BS2)				Prepared & Analyzed: 02/22/07						
Methyl tert-butyl ether	21.9	0.50	ug/l	20.0		110	71-122			
Benzene	22.5	0.50	"	20.0		112	87-113			
Toluene	22.1	0.50	"	20.0		110	86-114			
Surrogate: 1,2-DCA-d4	*20.1*		*"*	*25.0*		*80*	*78-128*			
Surrogate: Toluene-d8	*25.8*		*"*	*25.0*		*103*	*86-112*			
Surrogate: 4-BFB	*25.7*		*"*	*25.0*		*103*	*86-114*			
Laboratory Control Sample (7020220-BS3)				Prepared & Analyzed: 02/23/07						
Gasoline Range Organics (C4-C12)	1840	50	ug/l	2200		84	75-122			
Surrogate: 1,2-DCA-d4	*25.4*		*"*	*25.0*		*102*	*78-128*			
Surrogate: Toluene-d8	*24.7*		*"*	*25.0*		*99*	*86-112*			
Surrogate: 4-BFB	*26.0*		*"*	*25.0*		*104*	*86-114*			
Laboratory Control Sample (7020220-BS4)				Prepared & Analyzed: 02/23/07						
Methyl tert-butyl ether	18.0	0.50	ug/l	20.0		90	71-122			
Benzene	20.4	0.50	"	20.0		102	87-113			
Toluene	20.2	0.50	"	20.0		101	86-114			
Surrogate: 1,2-DCA-d4	*26.5*		*"*	*25.0*		*106*	*78-128*			
Surrogate: Toluene-d8	*24.7*		*"*	*25.0*		*99*	*86-112*			
Surrogate: 4-BFB	*26.0*		*"*	*25.0*		*104*	*86-114*			
Matrix Spike (7020220-MS1)	**Source: SQB0254-03**			Prepared & Analyzed: 02/23/07						
Methyl tert-butyl ether	35.7	0.50	ug/l	34.0	ND	105	71-122			
Benzene	25.2	0.50	"	23.6	ND	107	87-113			
Toluene	191	0.50	"	170	ND	112	86-114			
Gasoline Range Organics (C4-C12)	1790	50	"	2200	ND	81	72-123			
Surrogate: 1,2-DCA-d4	*26.0*		*"*	*25.0*		*104*	*78-128*			
Surrogate: Toluene-d8	*25.1*		*"*	*25.0*		*100*	*86-112*			
Surrogate: 4-BFB	*25.5*		*"*	*25.0*		*102*	*86-114*			

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Blaine Tech Services (Shell)	Project: 510 E. 14th Street, Oakland	SQB0244
1680 Rogers Avenue	Project Number: 97601734	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	02/28/07 23:44

Gasoline\BTEX\Oxygenates by GCMS\8260B - Quality Control

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7020220 - EPA 5030B [P/T] / GCMS \ 8260B										
Matrix Spike Dup (7020220-MSD1)	**Source: SQB0254-03**			Prepared & Analyzed: 02/23/07						
Methyl tert-butyl ether	34.9	0.50	ug/l	34.0	ND	103	71-122	2	25	
Benzene	25.7	0.50	"	23.6	ND	109	87-113	2	25	
Toluene	195	0.50	"	170	ND	115	86-114	2	25	M7
Gasoline Range Organics (C4-C12)	1870	50	"	2200	ND	85	72-123	4	25	
Surrogate: 1,2-DCA-d4	*25.3*		"	*25.0*		*101*	*78-128*			
Surrogate: Toluene-d8	*25.0*		"	*25.0*		*100*	*86-112*			
Surrogate: 4-BFB	*25.7*		"	*25.0*		*103*	*86-114*			

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Blaine Tech Services (Shell)	Project: 510 E. 14th Street, Oakland	SQB0244
1680 Rogers Avenue	Project Number: 97601734	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	02/28/07 23:44

Notes and Definitions

Z6	Surrogate recovery was below acceptance limits.
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
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

LAB:

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

SHELL Chain Of Custody Record

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: 2-9-07

PAGE: 1 of 1

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	GLOBAL ID NO.:
Blaine Tech Services	BTSS	510 E. 14th Street, Oakland	CA	T0600112421

ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112

EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.:	E-MAIL:	CONSULTANT PROJECT NO.:
Dennis Baertshi, Cambria, Eureka Office	707-268-3813	sonomaedf@cambria-env.com	070209-BR1

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

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

SAMPLER NAME(S) (Print): B. Summerset

LAB USE ONLY: SQB0244

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)		FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	MW-1	2-9	1145	W	3	X		X	X																	
	mw-2	"	920	"	"	X		X	X																	
	mw-3	"	835	"	"	X		X	X																	
	mw-4	"	1140	"	"	X		X	X																	
	mw-5	"	1155	"	"	X		X	X																	

TEMPERATURE ON RECEIPT C°: 5.2 °C

Relinquished by: (Signature)	Received by: (Signature)	Date: 2-9-07	Time: 1600
Relinquished by: (Signature)	Received by: (Signature)	Date: 2/12/07	Time: 1325
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Q&Q Graphic (714) 898-9702

05/02/06 Revision

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 070209-BR1 510 E, 14th St Oakland Date 2-9-07

Job Number 070209-BR1 Technician BR 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		no tags
mw-2							X		
mw-3							X		
mw-4							X		
mw-5			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 # 070209-BR1 Date 2-9-07 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	Notes
MW-1	804	4					9.61	20.75	TOC	
MW-2	802	4					8.73	24.00		
MW-3	812	4					9.90	29.15		
MW-4	809	4					8.62	21.60		
MW-5	800	4					9.41	21.75		

SHELL WELL MONITORING DATA SHEET

BTS #: ~~070209-BR1~~ 070209-BR1	Site: 97601734
Sampler: BR	Date: 2-9-07
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 20.75	Depth to Water (DTW): 9.61
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]: 11.83	

Purge Method: 11.14
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	=	21.7 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
854	62.4	6.9	710	85	7.5	
	Dewater @ 9.0 gallons					DTW = 19.09
1144	60.8	6.7	707	25	—	DTW = 11.77

Did well dewater? (Yes) No		Gallons actually evacuated:	9.0
Sampling Date: 2-9-07	Sampling Time: 1145	Depth to Water:	11.77
Sample I.D.: MW-1		Laboratory: STL Other_____	
Analyzed for: TPH-G BTEX MTBE TPH-D		Other:	
EB I.D. (if applicable): @ Time		Duplicate I.D. (if applicable):	
Analyzed for: TPH-G BTEX MTBE TPH-D		Other:	
D.O. (if req'd): Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 070209-BR1	Site: 97601734
Sampler: BR	Date: 2-9-07
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 24.00	Depth to Water (DTW): 8.73
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]: 11.78	

Purge Method: 15.27
Bailer
Disposable Bailer
Positive Air Displacement
Electric Submersible
Waterra
Peristaltic
Extraction Pump
Other_____

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

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

9.9 (Gals.) X 3 = 29.8 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
914	63.1	8.0	880	93	10.0	
916	65.8	7.5	865	38	20.0	
918	65.4	7.5	858	31	30.0	

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

Sampling Date: 2-9-07 Sampling Time: 920 Depth to Water: 11.07

Sample I.D.: MW-2 Laboratory: STL Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 070209-BR1	Site: 97601734
Sampler: BR	Date: 2-9-07
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 29.15	Depth to Water (DTW): 9.90
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.42	

Purge Method: 19.25
Bailer
Disposable Bailer
Positive Air Displacement
Electric Submersible
Waterra
Peristaltic
Extraction Pump
Other ____

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

12.6 (Gals.) X 3 = 37.6 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
827	62.0	6.3	705	89	12.75	
830	62.3	6.3	726	53	25.5	
832	62.4	6.4	732	37	37.75	

Did well dewater? Yes (No) Gallons actually evacuated: 37.75

Sampling Date: 2-9-07 Sampling Time: 835 Depth to Water: 10.91

Sample I.D.: MW-3 Laboratory: STL Other ____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: CR 070209-BR1	Site: 97601734
Sampler: BR	Date: 2-9-07
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 21.60	Depth to Water (DTW): 8.62
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]: 11.21	

Purge Method: 12.94
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
8.5 (Gals.) X	3	= 25.3 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
846	62.8	7.16	553	19	8.5	
	Dewater	@	10.0	gallons		DTW = 20.03
1139	59.9	6.7	513	39	—	DTW = 9.15

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

Sampling Date: 2-9-07 Sampling Time: 1140 Depth to Water: 9.15

Sample I.D.: MW-4 Laboratory: STL Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 070209-BR1	Site: 97601734
Sampler: JSR	Date: 2-9-07
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 21.75	Depth to Water (DTW): 9.41
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]: 11.87	

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / Electric Submersible (2) / Waterra / Peristaltic / Extraction Pump / Other____ — 12.34

Sampling Method: (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
906	63.1	11.5	3000	27	8.0	
		Dewate @	8.0	gallons	20.46	
1154	62.1	9.1	788	23	—	DTW=9.68

Did well dewater? (Yes) No — Gallons actually evacuated: 8.0

Sampling Date: 2-9-07 — Sampling Time: 1155 — Depth to Water: 9.68

Sample I.D.: MW-5 — Laboratory: STL Other____

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

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

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

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