

June 13, 20066

Jerry Wickham

Re:

RECEIVED

By dehloptoxic at 1:01 pm, Jun 14, 2006

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

Fax (707) 865 2542 Email <u>denis.1.brown@shell.com</u>

1131 Harbor Bay Parkway, Suite 250

Alameda, CA 94502-6577

Alameda County Health Care Services Agency

Second Quarter 2006 Groundwater Monitoring Report

Shell-branded Service Station

3600 Park Boulevard Oakland, California SAP Code 135689 Incident #98995747 RO 2855

Dear Mr. Wickham:

Attached for your review and comment is a copy of the Secondt Quarter 2006 Groundwater Monitoring Report for the above referenced site. 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

Sr. Environmental Engineer

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

Re: Second Quarter 2006 Groundwater Monitoring Report

Shell-branded Service Station 3600 Park Boulevard Oakland, California Incident No.98995747 SAP Code 135689 Cambria Project No.248-0937-002

RO0002855

(3)

Dear Mr. Wickham:

On behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell), Cambria Environmental Technology, Inc. (Cambria) is submitting this groundwater monitoring report in accordance with the reporting requirements of 23 CCR 2652d.

SECOND QUARTER 2006 ACTIVITIES

Blaine Tech Services, Inc. (Blaine) of San Jose, California gauged and sampled all site wells, calculated groundwater elevations, and compiled the analytical data. Cambria prepared a vicinity map which includes previously submitted well survey information (Figure 1) and a groundwater elevation contour map (Figure 2). Blaine's report, presenting the laboratory report and supporting field documents, is included as Attachment A.

ANTICIPATED THIRD QUARTER 2006 ACTIVITIES

Blaine will gauge and sample all wells and tabulate the data. Cambria will prepare a groundwater monitoring report.

Cambria Environmental Technology, Inc.

5900 Hollis Street Suite A Emeryville, CA 94608 Tel (510) 420-0700 Fax (510) 420-9170

CAMBRIA

CLOSING

We appreciate the opportunity to work with you on this project. Please call David Gibbs at (510) 420-3363 if you have any questions or comments.

Sincerely,

Cambria Environmental Technology, Inc.



David M. Gibbs, P.G. Project Geologist

Aubrey K. Cool, P.G. Senior Project Geologist

Figures: 1 - Site Vicinity and Area Well Survey Map

2 - Groundwater Elevation Contour Map

Attachment: A - Blaine Groundwater Monitoring Report and Field Notes

cc: Denis Brown, Shell Oil Products US, 20945 S. Wilmington Ave., Carson, CA 90810

Shell-branded Service Station

3600 Park Boulevard Oakland, California Incident No.98995747



Site Vicinity and Area Well Survey Map

(1/2-Mile Radius)

CAMBRIA

FIGURE

Groundwater Elevation Contour Map

Water line (W)

EXPLANATION MW-2 → Monitoring well location SB-1

● Soil boring location (1/3-6/06) Dispenser soil sample location (8/20/04) Dispenser soil sample location (02/20/98) Groundwater flow direction and gradient (ft/ft) Groundwater elevation contour, in feet above mean sea level (msl), approximately located, dashed where inferred Well designation Well **ELEV** - Groundwater elevation, in feet above msl Benzene MTBE Benzene and MTBE concentrations are in parts per billion and are analyzed by EPA Method 8260 Electrical line (E)

MW-4 planter □=⊠ planter 145.67 <0.500 72.7 144.00 146.00 8-WM SB-1 D-1 142.00 139.64 <0.500 26.4 00.041 SB-6 D-1-5' D-2-5' 140.00 142.00 148.00 144.00 0 | 0 146.00 148.00 0 | 0 0 SB-5 150.00 kiosk USTs 150.0ó MW-7 150.51 \boxtimes \boxtimes \boxtimes <0.500 0.690 152.00 152.00 trash SB-3 **● (**) <0.500 <0.500 D-3-5' bus stop Description of the Secretary Secreta

PARK BOULEVARD

20 Scale (ft)

CHATHAM ROAD

ATTACHMENT A Blaine Groundwater Monitoring Report and Field Notes



GROUNDWATER SAMPLING SPECIALISTS SINCE 1985

May 26, 2006

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

> Second Quarter 2006 Groundwater Monitoring at Shell-branded Service Station 3600 Park Boulevard Oakland, CA

Monitoring performed on April 27, 2006

Groundwater Monitoring Report 060427-WC-2

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.

 SAN JOSE
 SACRAMENTO
 LOS ANGELES
 SAN DIEGO

 1680 ROGERS AVENUE
 SAN JOSE, CA 95112-1105
 (408) 673-0555
 FAX (408) 673-7771
 LIC. 746684
 www.biginetech.com

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/ks

attachments: Cumulative Table of WELL CONCENTRATIONS

Certified Analytical Report

Field Data Sheets

cc: Anni Kreml
Cambria Environmental Technology, Inc.
5900 Hollis St., Suite A
Emeryville, CA 94608

WELL CONCENTRATIONS Shell Service Station

3600 Park Boulevard Oakland, CA

				_			MTBE								Depth to	GW
Well ID	Date	TPPH	В	Т	E	Х	8260	DIPE	ETBE	TAME	TBA	1,2-DCA	EDB	TOC	Water	Elevation
		(ug/L)	(ug/L)	(MSL)	(ft.)	(MSL)										
										_						_
MW-2	01/12/2006	NA :	NA	NA	156.92	11.62	145.30									
MW-2	01/19/2006	NA	NA	156.92	8.72	148.20										
MW-2	01/24/2006	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<10.0	<0.500	< 0.500	156.92	11.23	145.69
MW-2	04/27/2006	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<10.0	2.53	<0.500	156.92	4.43	152.49
												_	•••			
MW-4	01/12/2006	NA	NA	155.00	9.43	145.57										
MW-4	01/19/2006	NA	NA	155.00	9.45	145.55										
MW-4	01/24/2006	1,330	<0.500	<0.500	<0.500	<0.500	762	<0.500	<0.500	1.72	<10.0	1.35	<0.500	155.00	9.92	145.08
MW-4	04/27/2006	<50.0	<0.500	<0.500	<0.500	<0.500	72.7	<0.500	<0.500	<0.500	<10.0	1.00	<0.500	155.00	9.33	145.67
MW-7	01/12/2006	NA	NA	NA	NΑ	NA	NA	154.00	5.97	148.03						
MW-7	01/19/2006	NA	NA	154.00	6.40	147.60										
MW-7	01/24/2006	<50.0	<0.500	<0.500	<0.500	<0.500	3.08	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	154.00	9.64	144.36
MW-7	04/27/2006	<50.0	<0.500	<0.500	<0.500	<0.500	0.690	<0.500	<0.500	<0.500	<10.0	2.32	<0.500	154.00	3.49	150.51
MW-8	01/12/2006	NΑ	NA	NA	152.61	16.84	135.77									
MW-8	01/19/2006	NA	NA	152.61	16.00	136.61										
MW-8	01/24/2006	1,120	<0.500	<0.500	<0.500	<0.500	592	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	152.61	17.08	135.53
MW-8	04/27/2006	<50.0	<0.500	<0.500	<0.500	<0.500	26.4	<0.500	<0.500	<0.500	<10.0	2.32	<0.500	152.61	12.97	139.64

WELL CONCENTRATIONS

Shell Service Station 3600 Park Boulevard Oakland, CA

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

Site surveyed on February 2, 2006 by Virgil Chavez Land Surveying of Vallejo, CA.



May 09, 2006

Client: Cambria Env. Tech. (Emeryville) / SHELL (13675)

5900 Hollis Street, Suite A

Emeryville, CA 94608

Attn: Anni Kreml

Work Order: NPD3967

Project Name: 3600 Park Blvd., Oakland, CA

Project Nbr:

SAP 135689

P/O Nbr:

97610341

Date Received:

04/29/06

	SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
MW-2		NPD3967-01	04/27/06 13:27
MW-4		NPD3967-02	04/27/06 13:55
MW-7		NPD3967-03	04/27/06 13:42
MW-8		NPD3967-04	04/27/06 14:12

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accredidation.

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

California Certification Number: 01168CA

The Chain(s) of Custody, 3 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By:

Jim Hatfield

Project Management



5900 Hollis Street, Suite A

Emcryville, CA 94608

Anni Kreml

Atm

Work Order:

NPD3967

Project Name:

3600 Park Blvd., Oakland, CA

Project Number: Received: SAP 135689

04/29/06 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPD3967-01 (MW-2 - '	Water) Samp	led: 04/2'	7/06 13:27					
Volatile Organic Compounds by EPA N								
Tert-Amyl Methyl Ether	ND		ug/L	0.500	1	05/03/06 04:03	SW846 8260B	6050632
1,2-Dibromoethane (EDB)	ND		ug/L	0.500	1	05/03/06 04:03	SW846 8260B	6050632
Benzene	ND		ug/L	0.500	j	05/03/06 04:03	SW846 8260B	6050632
1,2-Dichloroethane	2.53		ug/L	0.500	1	05/03/06 04:03	SW846 8260B	6050632
Ethylbenzene	ND		ug/L	0.500	1	05/03/06 04:03	SW846 8260B	6050632
Toluene	ND		ug/L	0.500	1	05/03/06 04:03	SW846 8260B	6050632
Ethyl tert-Butyl Ether	ND		ug/L	0.500	1	05/03/06 04:03	SW846 8260B	6050632
Diisopropyl Ether	ND		ug/L	0.500	1	05/03/06 04:03	SW846 8260B	6050632
Methyl tert-Butyl Ether	ND		ug/L	0.500	i	05/03/06 04:03	SW846 8260B	6050632
Xylenes, total	ND		ug/L	0.500	1	05/03/06 04:03	SW846 8260B	6050632
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	05/03/06 04:03	SW846 8260B	6050632
Surr: 1,2-Dichloroethane-d4 (70-130%)	94%		6	10.0	•	05/03/06 04:03	SW846 8260B	6050632
Surr: Dibromofluoromethane (79-122%)	106%					05/03/06 04:03	SW846 8260B	6050632
Surr: Toluene-d8 (78-121%)	102 %					05/03/06 04:03	SW846 8260B	6050632
Surr: 4-Bromofluorobenzene (78-126%)	104 %					05/03/06 04:03	SW846 8260B	6050632
Purgeable Petroleum Hydrocarbons								
Gasoline Range Organics	ND		ug/L	50.0	1	05/03/06 04:03	CA LUFT GC/MS	6050632
Sample ID: NPD3967-02 (MW-4 -	Water) Samp	led: 04/2'	7/06 13:55					
Volatile Organic Compounds by EPA M								
Tort-Amyl Methyl Ether	ND		ug/L	0.500	1	05/03/06 04:26	SW846 8260B	6050632
1,2-Dibromoethane (EDB)	ND		ug/L	0.500	1	05/03/06 04:26	SW846 8260B	6050632
Benzene	ND		ug/L	0.500	1	05/03/06 04:26	SW846 8260B	6050632
1,2-Dichloroethane	1.00		ug/L	0.500	1	05/03/06 04:26	SW846 8260B	6050632
Ethylbenzene	ND		ug/L	0.500	1	05/03/06 04:26	SW846 8260B	6050632
Toluene	ND		ug/L	0.500	i i	05/03/06 04:26	SW846 8260B	6050632
Ethyl tert-Butyl Ether	ND		ug/L	0.500	1	05/03/06 04:26	SW846 8260B	6050632
Diisopropyl Ether	ND		ug/L	0.500	1	05/03/06 04:26	SW846 8260B	6050632
Methyl tert-Butyl Ether	72.7		ug/L ug/L	0.500	1	05/03/06 04:26	SW846 8260B	6050632
	ND		ug/L	0.500	1	05/03/06 04:26	SW846 8260B	6050632
Xylenes, total	ND		ug/L ug/L	10.0	1	05/03/06 04:26	SW846 8260B	6050632
Tertiary Butyl Alcohol			սերւ	10.0	1			
Surr: 1,2-Dichloroethane-d4 (70-130%)	95 % 104 %					05/03/06 04:26 05/03/06 04:26	SW846 8260B SW846 8260B	6050632 6050632
Surr: Dibromofluoromethane (79-122%) Surr: Toluene-d8 (78-121%)	104 % 100 %					05/03/06 04:26	SW846 8260B	6050632
Surr: 1011ene-us (78-12176) Surr: 4-Bromofluorobenzene (78-126%)	100 %					05/03/06 04:26	SW846 8260B	6050632
Purgeable Petroleum Hydrocarbons							-	
Gasoline Range Organics	ND		ug/L	50.0	1	05/03/06 04:26	CA LUFT GC/MS	6050632
Cassime Idingo Organios					-			



5900 Hollis Street, Suite A Emeryville, CA 94608

Anni Kreml

Atm

Work Order:

NPD3967

Project Name:

3600 Park Blvd., Oakland, CA

Project Number:

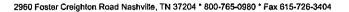
SAP 135689

Received:

04/29/06 08:00

ANALYTICAL REPORT	AN	VAT	.YTIC	AT.	REP	ORT
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Analyte	Result Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPD3967-03 (MW-7 - V	Water) Sampled: 04/27/	06 13:42					
Volatile Organic Compounds by EPA N	Lethod 8260B						
Tert-Amyl Methyl Ether	ND	ug/L	0.500	1	05/03/06 04:48	SW846 8260B	6050632
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	1	05/03/06 04:48	SW846 8260B	6050632
Benzene	ND	ug/L	0.500]	05/03/06 04:48	SW846 8260B	6050632
1,2-Dichloroethane	2.32	ug/L	0.500	1	05/03/06 04:48	SW846 8260B	6050632
Ethylbenzene	ND	ug/L	0.500]	05/03/06 04:48	SW846 8260B	6050632
Toluene	ND	ug/L	0.500	1	05/03/06 04:48	SW846 8260B	6050632
Ethyl tert-Butyl Ether	ND	ug/L	0.500	1	05/03/06 04:48	SW846 8260B	6050632
Diisopropyl Ether	ND	ug/L	0.500	1	05/03/06 04:48	SW846 8260B	6050632
Methyl tert-Butyl Ether	0.690	ug/L	0.500	1	05/03/06 04:48	SW846 8260B	6050632
Xylenes, total	ND	ug/L	0.500	1	05/03/06 04:48	SW846 8260B	6050632
Tertiary Butyl Alcohol	ND	ug/L	10.0	1	05/03/06 04:48	SW846 8260B	6050632
Surr: 1,2-Dichloroethane-d4 (70-130%)	96 %	-			05/03/06 04:48	SW846 8260B	6050632
Surr: Dibromofluoromethane (79-122%)	106 %				05/03/06 04:48	SW846 8260B	6050632
Surr: Toluene-d8 (78-121%)	101 %				05/03/06 04:48	SW846 8260B	6050632
Surr: 4-Bromofluorobenzene (78-126%)	101 %				05/03/06 04:48	SW846 8260B	6050632
Purgeable Petroleum Hydrocarbons							
Gasoline Range Organics	ND	ug/L	50.0	1	05/03/06 04:48	CA LUFT GC/MS	6050632
Sample ID: NPD3967-04 (MW-8 -	Water) Sampled: 04/27/	06 14:12					
Volatile Organic Compounds by EPA M	Method 8260B						
Tert-Amyl Methyl Ether	ND	ug/L	0.500	1	05/03/06 05:10	SW846 8260B	6050632
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	1	05/03/06 05:10	SW846 8260B	6050632
Benzene	ND	ug/L	0.500	1	05/03/06 05:10	SW846 8260B	6050632
1,2-Dichloroethane	2.32	ug/L	0.500	1	05/03/06 05:10	SW846 8260B	6050632
Ethylbenzene	ND	ug/L	0.500	1	05/03/06 05:10	SW846 8260B	6050632
Toluene	ND	ug/L	0.500	1	05/03/06 05:10	SW846 8260B	6050632
Ethyl tert-Butyl Ether	ND	ug/L	0.500	1	05/03/06 05:10	SW846 8260B	6050632
Diisopropyl Ether	ND	ug/L	0.500	1	05/03/06 05:10	SW846 8260B	6050632
Methyl tert-Butyl Ether	26.4	ug/L	0.500	1	05/03/06 05:10	SW846 8260B	6050632
Xylenes, total	ND	ug/L	0.500	1	05/03/06 05:10	SW846 8260B	6050632
Tertiary Butyl Alcohol	ND	ug/L	10.0	1	05/03/06 05:10	SW846 8260B	6050632
Surr: 1,2-Dichloroethane-d4 (70-130%)	96 %	5			05/03/06 05:10	SW846 8260B	6050632
Surr: Dibromofluoromethane (79-122%)	105 %				05/03/06 05:10	SW846 8260B	6050632
Surr: Toluene-d8 (78-121%)	99 %				05/03/06 05:10	SW846 8260B	6050632
Surr: 4-Bromofluorobenzene (78-126%)	105 %				05/03/06 05:10	SW846 8260B	6050632
Purgeable Petroleum Hydrocarbons							
Gasoline Range Organics	ND	ug/L	50.0	1	05/03/06 05:10	CA LUFT GC/MS	6050632





5900 Hollis Street, Suite A Emeryville, CA 94608

Anni Kreml

Attn

Work Order:

NPD3967

Project Name:

3600 Park Blvd., Oakland, CA

Project Number: Received: SAP 135689 04/29/06 08:00

•

PROJECT QUALITY CONTROL DATA Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by	EPA Method 8260B					
6050632-BLK1						
Tert-Amyl Methyl Ether	<0.200		ug/L	6050632	6050632-BLK1	05/02/06 21:46
1,2-Dibromoethane (EDB)	<0.250		ug/L	6050632	6050632-BLK1	05/02/06 21:46
Велгене	<0.200		ug/L	6050632	6050632-BLK1	05/02/06 21:46
1,2-Dichloroethane	<0.390		ug/L	6050632	6050632-BLK1	05/02/06 21:46
Ethylbenzene	<0.200		ug/L	6050632	6050632-BLK1	05/02/06 21:46
Toluene	<0.200		ug/L	6050632	6050632-BLK1	05/02/06 21:46
Ethyl tert-Butyl Ether	<0.200		ug/L	6050632	6050632-BLK1	05/02/06 21:46
Diisopropyl Ether	<0.200		ug/L	6050632	6050632-BLK1	05/02/06 21:46
Methyl tert-Butyl Ether	<0.200		ug/L	6050632	6050632-BLK1	05/02/06 21:46
Xylenes, total	<0.350		ug/L	6050632	6050632-BLK1	05/02/06 21:46
Tertiary Butyl Alcohol	<5.06		ug/L	6050632	6050632-BLK1	05/02/06 21:46
Surrogate: 1,2-Dichloroethane-d4	92%			6050632	6050632-BLK1	05/02/06 21:46
Surrogate: 1,2-Dichloroethane-d4	92%			6050632	6050632-BLK1	05/02/06 21:46
Surrogate: Dibromofluoromethane	101%			6050632	6050632-BLK1	05/02/06 21:46
Surrogate: Dibromofluoromethane	101%			6050632	6050632-BLK1	05/02/06 21:46
Surrogate: Toluene-d8	99%			6050632	6050632-BLK1	05/02/06 21:46
Surrogate: Toluene-d8	99%			6050632	6050632-BLK1	05/02/06 21:46
Surrogate: 4-Bromofluorobenzene	107%			6050632	6050632-BLK1	05/02/06 21:46
Surrogate: 4-Bromofluorobenzene	107%			6050632	6050632-BLK1	05/02/06 21:46
Purgeable Petroleum Hydrocarb	oons					
6050632-BLK1						
Gasoline Range Organics	<50.0		ug/L	6050632	6050632-BLK1	05/02/06 21:46



5900 Hollis Street, Suite A

Emeryville, CA 94608

Anni Kreml

Attn

Work Order:

NPD3967

Project Name:

3600 Park Blvd., Oakland, CA

Project Number: Received: SAP 135689

ed: 04/29/06 08:00

PROJECT QUALITY CONTROL DATA

LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by E	PA Method 8260B	· ·						
6050632-BS1								
Tert-Amyl Methyl Ether	50.0	51.6		ug/L	103%	56 - 145	6050632	05/02/06 20:39
1,2-Dibromoethane (EDB)	50.0	52.2		ug/L	104%	75 - 128	6050632	05/02/06 20:39
Велделе	50.0	56.7		ug/L	113%	79 - 123	6050632	05/02/06 20:39
1,2-Dichloroethane	50.0	50.8		ug/L	102%	74 - 131	6050632	05/02/06 20:39
Ethylbenzene	50.0	48.6		ug/L	97%	79 - 125	6050632	05/02/06 20:39
Toluene	50.0	49.4		ug/L	99%	78 - 122	6050632	05/02/06 20:39
Ethyl tert-Butyl Ether	50.0	51.9		ug/L	104%	64 - 141	6050632	05/02/06 20:39
Diisopropyl Ether	50.0	62.6		ug/L	125%	73 - 135	6050632	05/02/06 20:39
Methyl tert-Butyl Ether	50.0	50.4		ug/L	101%	66 - 142	6050632	05/02/06 20:39
Xylenes, total	150	160		ug/L	107%	79 - 130	6050632	05/02/06 20:39
Tertiary Butyl Alcohol	500	538		ug/L	108%	42 - 154	6050632	05/02/06 20:39
Surrogate: 1,2-Dichloroethane-d4	50.0	45.3			91%	70 - 130	6050632	05/02/06 20:39
Surrogate: 1,2-Dichloroethane-d4	50.0	45.3			91%	70 - 130	6050632	05/02/06 20:39
Surrogate: Dibromofluoromethane	50.0	50.1			100%	79 - 122	6050632	05/02/06 20:39
Surrogate: Dibromofluoromethane	50.0	50.1			100%	79 - 122	6050632	05/02/06 20:39
Surrogate: Toluene-d8	50.0	49.5			99%	78 - 121	6050632	05/02/06 20:39
Surrogate: Toluene-d8	50.0	49.5			99%	78 - 121	6050632	05/02/06 20:39
Surrogate: 4-Bromofluorobenzene	50.0	53.6			107%	78 - 126	6050632	05/02/06 20:39
Surrogate: 4-Bromofluorobenzene	50.0	53.6			107%	78 - 126	6050632	05/02/06 20:39
Purgeable Petroleum Hydrocarbo	ns							
6050632-BS1								
Gasoline Range Organics	3050	2830		ug/L	93%	67 - 130	6050632	05/02/06 20:39
Surrogate: 1,2-Dichloroethane-d4	50.0	45.3			91%	70 - 130	6050632	05/02/06 20:39
Surrogate: Dibromofluoromethane	50.0	50, I			100%	70 - 130	6050632	05/02/06 20:39
Surrogate: Toluene-d8	50.0	49.5			99%	70 - 130	6050632	05/02/06 20:39
Surrogate: 4-Bromofluorobenzene	50.0	53.6			107%	70 - 130	6050632	05/02/06 20:39



5900 Hollis Street, Suite A Emeryville, CA 94608

Anni Kreml

Attn

Sono II II' G. . . G

Work Order:

NPD3967

Project Name:

3600 Park Blvd., Oakland, CA

Project Number: Received: SAP 135689 04/29/06 08:00

PROJECT QUALITY CONTROL DATA Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by I	EPA Method 826	0B						· · · · · · · · · · · · · · · · · · ·		
6050632-MS1		- -								
Tert-Amyl Methyl Ether	ND	52.2		ug/L	50.0	104%	45 - 155	6050632	NPD3522-01	05/03/06 05:32
1,2-Dibromoethane (EDB)	ND	54.9		ug/L	50.0	110%	71 - 138	6050632	NPD3522-01	05/03/06 05:32
Веплепе	ND	60.2		ug/L	50.0	120%	71 - 137	6050632	NPD3522-01	05/03/06 05:32
1,2-Dichloroethane	2.42	53.8		ug/L	50.0	103%	70 - 140	6050632	NPD3522-01	05/03/06 05:32
Ethylbenzene	ND	52.7		ug/L	50.0	105%	72 - 139	6050632	NPD3522-01	05/03/06 05:32
Toluene	0.530	53.2		ug/L	50.0	105%	73 - 133	6050632	NPD3522-01	05/03/06 05:32
Ethyl tert-Butyl Ether	ND	54.1		ug/L	50.0	108%	57 - 148	6050632	NPD3522-01	05/03/06 05:32
Diisopropyl Ether	ND	63.8		ug/L	50.0	128%	67 - 143	6050632	NPD3522-01	05/03/06 05:32
Methyl tert-Butyl Ether	1.00E9	1.00E9	МНА	ug/L	50.0	0%	55 - 152	6050632	NPD3522-01	05/03/06 05:32
Xylenes, total	0.570	176		ug/L	150	117%	70 - 143	6050632	NPD3522-01	05/03/06 05:32
Tertiary Butyl Alcohol	16.0	695		ug/L	500	136%	19 - 183	6050632	NPD3522-01	05/03/06 05:32
Surrogate: 1,2-Dichloroethane-d4		46.6		ug/L	50.0	93%	70 - 130	6050632	NPD3522-01	05/03/06 05:32
Surrogate: 1,2-Dichloroethane-d4		46.6		ug/L	50.0	93%	70 - 130	6050632	NPD3522-01	05/03/06 05:32
Surrogate: Dibromofluoromethane		52.1		ug/L	50.0	104%	79 - 122	6050632	NPD3522-01	05/03/06 05:32
Surrogate: Dibromofluoromethane		52.1		ug/L	50.0	104%	79 - 122	6050632	NPD3522-01	05/03/06 05:32
Surrogate: Toluene-d8		51.0		ug/L	50.0	102%	78 - 121	6050632	NPD3522-01	05/03/06 05:32
Surrogate: Toluene-d8		51.0		ug/L	50.0	102%	78 - 121	6050632	NPD3522-01	05/03/06 05:32
Surrogate: 4-Bromofluorobenzene		54.1		ug/L	50.0	108%	78 - 126	6050632	NPD3522-01	05/03/06 05:32
Surrogate: 4-Bromofluorobenzene		54.1		ug/L	50.0	108%	78 - 126	6050632	NPD3522-01	05/03/06 05:32
Purgeable Petroleum Hydrocarbo	ons									
6050632-MS1										
Gasoline Range Organics	ND	2690		ug/L	3050	88%	60 - 140	6050632	NPD3522-01	05/03/06 05:32
Surrogate: 1,2-Dichloroethane-d4		46.6		ug/L	50,0	93%	0 - 200	6050632	NPD3522-01	05/03/06 05:32
Surrogate: Dibromofluoromethane		52.1		ug/L	50.0	104%	0 - 200	6050632	NPD3522-01	05/03/06 05:32
Surrogate: Toluene-d8		51.0		ug/L	50.0	102%	0 - 200	6050632	NPD3522-01	05/03/06 05:32
Surrogate: 4-Bromofluorobenzene		54.1		ug/L	50. 0	108%	0 - 200	6050632	NPD3522-01	05/03/06 05:32



Cambria Env. Tech. (Emeryville) / SHELL (13675) Client

5900 Hollis Street, Suite A Emcryville, CA 94608

Anni Kreml

Surrogate: 4-Bromofluorobenzene

Attn

Work Order:

NPD3967

Project Name:

3600 Park Blvd., Oakland, CA

Project Number: Received:

SAP 135689 04/29/06 08:00

PROJECT QUALITY CONTROL DATA Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by I	EPA Method 8	260B										
6050632-MSD1												
Tert-Amyl Methyl Ether	ND	58.8		ug/L	50.0	118%	45 - 155	12	24	6050632	NPD3522-01	05/03/06 05:54
1,2-Dibromoethane (EDB)	ND	59.9		ug/L	50.0	120%	71 - 138	9	27	6050632	NPD3522-01	05/03/06 05:54
Benzene	ND	67.9		ug/L	50.0	136%	71 - 137	12	23	6050632	NPD3522-01	05/03/06 05:54
1,2-Dichloroethane	2.42	61.7		ug/L	50.0	119%	70 - 140	14	21	6050632	NPD3522-01	05/03/06 05:54
Ethylbenzene	ND	57.9		ug/L	50.0	116%	72 - 139	9	23	6050632	NPD3522-01	05/03/06 05:54
Toluene	0.530	58.0		ug/L	50.0	115%	73 - 133	9	25	6050632	NPD3522-01	05/03/06 05:54
Ethyl tert-Butyl Ether	ND	61.1		ug/L	50.0	122%	57 - 148	12	22	6050632	NPD3522-01	05/03/06 05:54
Diisopropyl Ether	ND	73.3	MI	ug/L	50.0	147%	67 - 143	14	22	6050632	NPD3522-01	05/03/06 05:54
Methyl tert-Butyl Ether	1.00E9	1.00E9	MHA	ug/L	50.0	0%	55 - 152	0	27	6050632	NPD3522-01	05/03/06 05:54
Xylenes, total	0.570	194		ug/L	150	129%	70 - 143	10	27	6050632	NPD3522-01	05/03/06 05:54
Tertiary Butyl Alcohol	16.0	824		ug/L	500	162%	19 - 183	17	39	6050632	NPD3522-01	05/03/06 05:54
Surrogate: 1,2-Dichloroethane-d4		46.9		ug/L	50.0	94%	70 - 130			6050632	NPD3522-01	05/03/06 05:54
Surrogate: 1,2-Dichloroethane-d4		46.9		ug/L	50.0	94%	70 - 130			6050632	NPD3522-01	05/03/06 05:54
Surrogate: Dibromofluoromethane		52.3		ug/L	50.0	105%	79 - 122			6050632	NPD3522-01	05/03/06 05:54
Surrogate: Dibromofluoromethane		52.3		ug/L	50.0	105%	79 - 122			6050632	NPD3522-01	05/03/06 05:54
Surrogate: Toluene-d8		48.9		ug/L	50.0	98%	78 - 121			6050632	NPD3522-01	05/03/06 05:54
Surrogate: Toluene-d8		48.9		ug/L	50.0	98%	78 - 12 I			6050632	NPD3522-01	05/03/06 05:54
Surrogate: 4-Bromofluorobenzene		51.6		ug/L	50.0	103%	78 - 126			6050632	NPD3522-01	05/03/06 05:54
Surrogate: 4-Bromofluorobenzene		51.6		ug/L	50,0	103%	78 - 126			6050632	NPD3522-01	05/03/06 05 :54
Purgeable Petroleum Hydrocarbo	ons											
6050632-MSD1 Gasoline Range Organics	ND	3170		ug/L	3050	104%	60 - 140	16	40	6050632	NPD3522-01	05/03/06 05:54
Surrogate: 1,2-Dichloroethane-d4		46.9		ug/L	50.0	94%	0 - 200			6050632	NPD3522-01	05/03/06 05:54
Surrogate: Dibromofluoromethane		52.3		ug/L	50.0	105%	0 - 200			6050632	NPD3522-01	05/03/06 05:54
Surrogate: Toluene-d8		48.9		ug/L	50.0	98%	0 - 200			6050632	NPD3522-01	05/03/06 05:54

ug/L

50.0

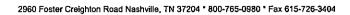
103% 0 - 200

6050632

NPD3522-01

05/03/06 05:54

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Testamerica

ANALYTICAL TESTING CORPORATION

Client Cambria Env. Tech. (Emeryville) / SHELL (13675)

5900 Hollis Street, Suite A Emeryville, CA 94608

Anni Kreml

Attn

Work Order:

NPD3967

Project Name:

3600 Park Blvd., Oakland, CA

Project Number:

SAP 135689

Received:

04/29/06 08:00

CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville

Method	Matrix	AIHA	Nelac	California
CA LUFT GC/MS	Water			x
NA	Water			
SW846 8260B	Water	N/A	X	Х



2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Cambria Env. Tech. (Emeryville) / SHELL (13675) Client

> 5900 Hollis Street, Suite A Emeryville, CA 94608

Anni Kreml

Work Order:

NPD3967

Project Name:

3600 Park Blvd., Oakland, CA

Project Number: Received:

SAP 135689 04/29/06 08:00

NELAC CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville does not hold NELAC certifications for the following analytes included in this report

<u>Method</u>

Attn

CA LUFT GC/MS

<u>Matrix</u> Water

<u>Analyte</u>

Gasoline Range Organics



2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client Cambria Env. Tech. (Emeryville) / SHELL (13675)

5900 Hollis Street, Suite A Emeryville, CA 94608

Anni Kreml

Work Order:

NPD3967

Project Name:

3600 Park Blvd., Oakland, CA

Project Number:

SAP 135689

Received:

04/29/06 08:00

DATA QUALIFIERS AND DEFINITIONS

M1 MHA

Atm

The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).

Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See

Blank Spike (LCS).

METHOD MODIFICATION NOTES



Nashville Division COOLER RECEIPT FORM

BC#



NPD3967

Coole 1. Indi	er Received/Openicate the Airbill Track	ed On: April 29, ing Number (last 4 c	2006 @ ligits for Fe	08:00 :dex only) :	and Name of Co	urier below:	073	· -
	Fed-Ex UPS	Velocity	D	HL	Route	Off-street	Misc.	
2. Ter (indi	nperature of represent cate IR Gun ID#)	tative sample or ten	perature b	lank wher	opened: <u> </u>	Degr	rees Celsius	
NA	A00466	A00750	A0112	4	100190	101282	Raynger S	ST
3. W	ere custody seals on ou	itside of cooler?	·		·	***************************************	YES NO N	A
	a. If yes, how n	nany and where:		FRE			\sim	
4. W	ere the scals intact, sig	ned, and dated corr	ectly?	••••••			ESNONA	4
5. · W	ere custody papers ins	ide cooler?	•••••••				(VE)NON	A
I certi	ify that I opened the co	oler and answered	uestions 1	<u>-5 (intial)</u>	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	***************************************		_
6. W	ere custody seals on co	ontainers:	YES	₩	á	and Intact	YES NO 10	k.
	were these signed	, and dated correctl	y?	····			YESNON	1
7. V	Vhat kind of packing	g material used?	Bubble	wrap	Peanuts	Vermiculite	Foam Inse	ert
	Plast	ic bag Paper	Ot	her		· No	one .	
8. (Cooling process:	/Reg You	-pack	Ice (di	rect contact)	Dry ice	Other No	one
9. D	id all containers arrive	in good condition (unbroken)	?	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	andimentario-1 5+ 54 14 5	16 5non	4
	Were all container lab						ESNON	4
	Did all container labels						∕ 2snon	À
	Nere VOA vials ге						€snon	A
-]	b. Was there any obse	ervable head space i	resent in a	ny VOA vi	al?		YES(NON	Å
	tify that I unloaded the						- JK	
-	. On preserved bottle						el? YESNO	9
	b. Did the bottle label						YESNON	
	If preservation i	n-house was needed	, record sta	ndard ID (of preservative u	sed here	· —	
14.	Was residual chlorine	present?	4			.,.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	YESNO	A
	tify that I checked for						<u> </u>	
15.	Were custody papers	•					X25NON	۱A
16.	Did you sign the custo						AsNON	٨٨
17.	Were correct contains						€snon	l A
	Was sufficient amoun						YESNON	IA
	rtify that I entered this						- JPC	
	rtify that I attached a l						JK	
	Were there Non-Confo						NO #	



BC#

Fed-Ex		Number (last 4 dig	DHL	Route	Off-street	Misc.	
- (<u> </u>		ive sample or tempe	erature blank whi	n onened: 3.	2 Degr	rees Celsi	us
ndicate IR Gui		ive sample of tempt	LI ALUI C DIRAK WA			_	
A A00466		A00750	A01124	100190	101282	Rayng	ger ST
Ware enstady se	als on outsi	de of cooler?	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,	VESNO	NA
a. If ye	e how man	ny and where:		1 Front		•	
A. II J.	tact signe	d, and dated correc	tlv?		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	AYSNO.	NA
Were the scals in	itact, signe	cooler?	,			YESSO). _{NA}
						JR	
		er and answered qu	A		nd Intact	YES NO	
. Were custody se						YESNO	
were the	se signed, a	nd dated correctly?	_			•	
. What kind of	packing n	naterial used?	Bubblewrap	Peanuts	Vermiculite	Foam !	Insert
	Plastic	bag Paper	Other	<u> </u>	N	one	
. Cooling proc	ess:	Ice-	pack Ice (direct contact)	Dry ice	Other	None
		n good condition (u	nbroken)?			XPSNO.	NA
		complete (#, date, s				Ģes…no.	NA
		nd tags agree with				€ESNO.	NA
		ived?				₹BSNO.	NA
						YES(No.	NA
		vable head space pr				X	
		ooler and answered				Unit VES NO	
		did the pH test strip				SESNO	
		ndicate that the cor				1600	
		house was needed, I					<u></u>
		resent?				YESNO	-
		nlorine and pH as p					
15. Were custod	y papers p	roperly filled out (in	nk, signed, etc)?	*******************	***************************************	ØsNO	
16. Did you sign	the custod	ly papers in the app	ropriate place?		***************************************	AESNO	
17. Were correc	t container:	s used for the analy	sis requested?	*****************	***************	YES NO	
		of sample sent in ca				. удзис)NA
		project into LIMS a					<u>, </u>
		bel with the unique				3	[<u>-</u>
10 Wars there N	on-Confor	mance issues at logi	in YES (TO) V	/as a PIPE generat	ed YES	NO #_	
13. Well file is	-C011101						

b Identification (if necessary):	<u></u>			Involos							9.	·INC	IDEN	Rec	ER (E	s ONL	.Y)		
TA - Irvine, California		oject Manager te	_	IIIAOICA	ш.						٦	9 7 6 1 0 3 4 1 DATE: 04/27/06							
TA - Morgan Hill, California	☑ BWR0	MMENTAL SERVICES)enis E	Brown	ì					<u> </u> _	9	/ !	2 1					
TA - Nashville, Tennesee	TT TECHNI	CAL SERVICES	_									SAP	or CR	MT NUP	/BER	(TS/CI	RMT)	PAGE:	1 of
l sn.			l— —	OR ENV. RE	MEDIATI	M - NO I	ентм . С	END PA	PER IN	OICE	1	4. 20-5.0		T					
Other (location)	[L] CRMT.H	iouston					C1101 - 3	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				tate		GLOB	AL ID NO.:				
YPLING COMPANY:	LOG CODE:			SITE ADDRE							- 1					1541	7		
aine Tech Services	BTSS		3	3600 P	ark B	<u>vd., (</u>	<u>Oaki</u>	and		TPHONE		<u>CA</u>		E-MAIL:		1041	•		CONSULTANT PROJECT NO.:
DORESS:			E1	DF DELIVERA	BLE TO (Nam	e, Compan	A' DARGE CO	DÇ ab dirj.											060427·WC-2
680 Rogers Avenue, San Jose, CA 9511	12 		<u>ب</u> ا۔	Anni Krer	nì. Cam	bria. E	meryv	rille Of	ffice	510-	420-3	33 <u>5</u>		Shel	.em.e	df@ca	mbrla-¢	nv.com	BTS#
PROJECT CONTACT (Hardcopy or POF Report to):			۲	31111 141 47	,												LAB	USE ONL	in the state of the second sec
lichael Ninokata	E-NAIL:		\vdash	1 8	- 11		١,												
BETTONE .	mpinokata	@blainetech.com		(\mathcal{N})	, H	(S	\sim	ب								- 1915	the many the	mark the superior has been
08-573-0555 408-573-7771 TURNAROUND TIME (STANDARD IS 10 CALENDA		RESULTS NEEDED											-OTEC	ANAL	VCIC				
TURNAROUND TIME (STANDARD IS TO CALENDA STD	D 24 HOURS	ON WEEKEND	ļ								RE	:UUE	-91EL	MNAL	.1313	•			
NUSTO LISDAY LISDAY LIZDAY							—Т		$\overline{}$	Τ	[<u> </u>		-	$\neg \tau \overline{}$	П	$\overline{}$			
☐ LA - RWQCB REPORT FORMAT ☐ UST AGENC	~							Ì			j			-		1			CIELD NOTES.
		RING ALL	\dashv	грн. Gas, Purgeable (82608) ТРН. Diesel, Extractable (8015m)				1	1	1		1			\	- 1			FIELD NOTES:
GC/MS MTBE CONFIRMATION: HIGHEST	HIGHEST per BO		二	8 8		희		-	- 1				1			1			Container/Preservative
PECIAL INSTRUCTIONS OR NOTES:	CHECK BOX IF EDI	D IS NOT NEEDED	ŀ	9 28 e				ļ		1	l ì			ł		ļ		1 1	or PID Readings
	MDD	3967	1	Purgeable (8260B) si, Extractable (80°	📾	뗅	[]		1		} }			-	1		}	1	or Laboratory Notes
	NPU	12901	l	Bab trac			1 ł		1	_		ا ہے ا	<u> </u>	1	1 1		- 1	ļ	
	05/09/0	06 23:59		ğ ă	 	뷁ㅠ		<u></u>	<u> </u>		اءا	8	2	1		l			
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	RECEIPT VERIFIC	CATION REQUESTED I	ग	Gas, Dles	8 8	, 티 S	8	(82	e è	5	(82	힏	Ě		1	1	ļ	157	MPERATURE ON RECEIPT C°
LAB .	SAMPI	ING N	o, OF	TPH.	BTEX (8280B) 5 Oxygenates (8260B)	MTBE, TBA, DIF MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8280B)	1,2 DCA (8260B)	EDB (8280B)	Ethanol (8260B)	Methanol (8015M)		1 1	ľ	ŀ		
USE Field Sample Identification	ON DATE	TIME	ONT.	<u> </u>	100 100	<u>Σ</u> Σ	↓ ₽}	-	<u> </u>	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	₩			_ -	 			 	
	-14-4-(1	807 W :	3	X		KI -	1 1		Ì	X	$\langle \! \! / \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! $	N	PD	39¢	7-1		_	} 	
MW-2	0/27/06		-	K	КЖ	十	╅┈┪		_			1			12		1	1 1	
100 A 1 . 1 - LP		355]	1 1	X_{-}	X	Δ	$oxed{oxed}$	<u> </u>			X	<u> </u>	├ ╌┼		<u> </u>	╂──┼		 	
1000					\mathbb{K}	1		1		X	$\mathbb{U} \times$	1			13	!			
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WELL	GA	HGIN	GI	ገልገ	ΊΔ
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	************	IAUGING DATA	٠,١
Project # 0604 27~6	X-2 Date <u>04</u>	127/06 Client	Shell
Site 3600 Park	Blud.	Oakland	

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)		Depth to water	Depth to well bottom (ft.)	Survey Point: TOB or AQC	
MW-2	4					4.43	29.51		
mw-4	4			0=wF0	1.33 ve	4.43 3.49	29,51		
mw-7 mw-8	4					3,49	37.92		
mw-8	4					3,49	49.45		
							·	4	
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SHELL WELL MONITORING DATA SHEET BTS #:060427- WC. Sampler: (JC Date: 04 /27/0 Well I.D.: MW - 2 Well Diameter: 8 Total Well Depth (TD): 29.5 Depth to Water (DTW): 나 나 Depth to Free Product: Thickness of Free Product (feet): Referenced to: D.O. Meter (if req'd): Grade (YST) HACH DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: Purge Method: Bailer Waterra Sampling Method: Baller Disposable Bailer Peristaltic Disposable Bailer Positive Air Displacement **Extraction Pump Extraction Port** Electric Submersible Other Dedicated Tubing Other: Well Diameter Multiplier Well Diameter Multiplier 1100 0.04 0.65 0.16 6" 1.47 (Gals.) X Gals. radius2 * 0.163 0.37 Other Specified Volumes Calculated Volume Cond. **Turbidity** Temp (°F) Time Hg (mS or **ps** (NTUs) Gals. Removed Observations 1124 67.0 70,2 Did well dewater? Gallons actually evacuated: No Sampling Time: 132 Sampling Date: 04/27/06 Depth to Water: Sample I.D.: MW-Laboratory: STL Other 7 Analyzed for: TAH-6 MTBE TPH-D Other: Oxy (a) Duplicate I.D. (if applicable): EB I.D. (if applicable): Time

Other:

 $\overline{\mathbb{m}_{g}}_{L}$

mV

Post-purge:

Post-purge:

mg/

mν

Analyzed for:

D.O. (if req'd):

O.R.P. (if reg'd):

TPH-G

BTEX

Pre-purge:

Pre-purge:

MTBE

TPH-D

SHELL WELL MONITORING DATA SHEET

BTS#: 💍	30427	-we	- 2	Site:	3	600 Park	Blud	Odelan		
Sampler: 6	یر			Date:	4127	7/06				
Well I.D.: V	4W-6	;		Well Diameter: 2 3 🔏 6 8						
Total Well	Depth (TD);29.5	5]	Depth	to Water	r (DTW):	9.3	3		
Depth to Fr	ee Product			Thickn	ess of F	ree Product	(feet)):		
Referenced	to:	€Væ	Grade	D.O. M	leter (if	reg'd):	Y	SI HACH		
DTW with	80% Rech	arge [(H	leight of Water	Colum	n x 0.20) + DTW]:	<u> </u>	3,37		
Purge Method:	Bailer Disposable B Positive Air I Electric Subst	Displaceme	ent Extrac Other	Waterra Peristaltic tion Pump			ethod: Other: Well Dia	Disposable Bailer Extraction Port Dedicated Tubing		
		3 fied Volun	$= \frac{89.3}{\text{Calculated Vo}}$	_ Gals. olume	1" 2" 3"	0.04 0.16 0.37	4" 6" Other	0.65 1.47 radius ² * 0.163		
Time	Temp (°F)	рН	Cond. (mS or(18)		oidity (TUs)	Gals. Remo	ved	Observations		
1152	69.6	7.3	943		7	14		clear		
11531	ello	ewa	tered @	~	18	aallo	~	/DTW=27.		
1353	70.9	73	1050	12	1	2	(lear		
		_								
Did well de	water? (Y)s	No	Gallon	s actuall	y evacuated	d:	186		
Sampling D	ate:07/2	7/06	Sampling Tim	e: 13{	20	Depth to V	Vater:	25.60		
Sample I.D.	: MW.	-4		Labora	tory:		7 TA			
Analyzed fo	or: TPH-G	KLLA	MTBE TPH-D	Other: (٥٨١٦	, 1£2 C	ch,	ELDB.		
EB I.D. (if a	applicable)	:	@ Time	Duplic	ate I.D.	/ (if applicab	le):			
Analyzed fo	or: TPH-G	BTEX	MTBE TPH-D	Other:						
D.O. (if req	'd): Pr	e-purge:		mg/ _L	P	ost-purge:		mg/L		
O.R.P. (if re	eq'd): Pr	e-purge:		mV	P	ost-purge:		mV		

SHELL WELL MONITORING DATA SHEET

BTS #: 06	3042	7-W	C-2	Site: 3600 Park Bluey Oakland						
Sampler: \(\tag{1}	se			B	•	7106				
Well I.D.:	MW-	7		Well Diameter: 2 3 4 6 8						
Total Well I	Depth (TD): 3 7	.92	Depth to Water (DTW): 2,49						
Depth to Fre	ee Product	:		Thickness of Free Product (feet):						
Referenced	to:	®	Grade	D.O. M	leter (if	req'd):		YSI HACH		
DTW with 8	30% Recha	arge [(H	eight of Water	Colum	n x 0.20)	+ DTW	1: 10	.38		
	Bailer Disposable Bar Positive Air I Electric Subm	Displaceme	nt Extrac Other	Waterra Peristaltic tion Pump		Sampling	Method:	Disposable Bailer Extraction Port Dedicated Tubing	_	
132					Well Diamete	r Multiplier 0.04	Well 1	Diameter Multiplier 0.65	7	
22-4 (C 1 Case Volume	Gals.) X Speci	<u>S</u> fied Volun	$\frac{1}{10000000000000000000000000000000000$	_ Gals. olume	2" 3"	0.16 0.37	6" Other	1.47		
Time	Temp (°F)	pН	Cond. (mS or (LS))	L	bidity ΓUs)	Gals. Re	moved	Observations		
1137	67.7	7.4	1296	6	>	23	>	Slight Rollen egg	3~	
1140	rell o	Pew	aterrol	@^	35	Ga	llo	2/07W-3	<u>a</u> .c	
1340	697	7.4	1289	12	6	2	-	clear		
Did well dev	water?	Yes	No	Gallon	s actuall	y evacua	ted:	35		
Sampling D	ate: <u>64/2</u> .	2001	Sampling Tim	e: 13	42	Depth to	Wate	r: 33,15		
Sample I.D.	: mw-	7		Labora	tory:	STL O	ther	A		
Analyzed fo	r: TIH-B	BPEX	MTBE TPH-D	Other:	20B,	10200	A, C	7478		
EB I.D. (if a	pplicable)):	@ Time	Duplic	ate I.D.	(if applic	able):			
Analyzed fo	r: TPH-G	BTEX	MTBE TPH-D	Other:						
D.O. (if req'	d): P1	e-purge:		mg/L	P	ost-purge:		រោជ្ជ	7 .	
O.R.P. (if re	eq'd): Pi	e-purge:		mV	P	ost-purge:		m	V	

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SHELL WELL MONITORING DATA SHEET

BTS #: 06	0427	-wc	-2	Site: 3600 Park Blud, Oakland								
Sampler: 6						7/06						
Well I.D.:	MW-8	5		Well Diameter: 2 3 (4) 6 8								
Total Well	Depth (TD): 49,	45	Depth t	Depth to Water (DTW): 1297							
Depth to Fr	ee Product	:		Thickne	Thickness of Free Product (feet):							
Referenced	to:	(eyc)	Grade	D.O. M	eter (if	req'd):	ı	(S) HACH				
DTW with	80% Recha	arge [(H	leight of Water	Column	x 0.20)	+ DTW]	: 2	0.27				
Purge Method:	Bailer Disposable Ba Positive Air I Elect to Subr)isplaceme	nt Extrac Other	Waterra Peristaltic tion Pump		Sampling I	Method:	Disposable Bailer Extraction Port Dedicated Tubing				
208	· · · · · · · · · · · · · · · ·				Well Diamete	•	Well I	Diameter Multiplier 0.65				
23.7 (1) 1 Case Volume	Gals.) X 2 Speci	fied Volum	$\frac{1}{\text{cons}} = \frac{7}{\text{Calculated Volumes}}$	_ Gals.	2" 3"	0.04 0.16 0.37	6 ⁿ Other	1.47				
Time	Temp (°F)	pН	Cond. (mS or (is)	E	oidity (Us)	Gals. Ren	noved	Observations				
1208	698	7.2	1046	-		24		Slight fullower/clear				
1210 0	rell de	wate	red @	1	3	20	al	Slight Rulodor/clear	7,5			
1410	70.9	7.5	1234	13	۷		ر 	Clear				
Did well de	water? (Yes)	No	Gallons	s actuall	y evacuat	ed:	32				
Sampling D	Date:04/8	2015	Sampling Tim	e: 141	2	Depth to	Wate	r: 45.79				
Sample I.D	··MW	12-8		Labora	tory:	STL O	her	A				
Analyzed for	or: TPH-0	B (TEX)	MTBE TPH-D	Other:	Oxy	5,14	2 \(\D	ca, eas				
EB I.D. (if	applicable)):	@ Tinte	Duplica	ate I.D.	(if applica	able):					
Analyzed for	or: TPH-G	BTEX	MTBE TPH-D	Other:		- 1 -	···					
D.O. (if req	<u>l'd):</u> Pi	re-purge:		$^{ m mg}/_{ m L}$	P	ost-purge:		ing/L				
O.R.P. (if r	eq'd): Pi	re-purge:		mV	P	ost-purge:		mV				

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