

C A M B R I A

ENVIRONMENTAL  
PROTECTION March 29, 2000

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

00 MAR 34 AM 11:38

Re: **First Quarter 2000 Monitoring Report**  
Shell-branded Service Station  
11989 Dublin Boulevard  
Dublin, California  
Incident #98995328  
Cambria Project #242-0548-002

Next QMR due Apr 30,  
Rpt expected July



Dear Ms. chu:

On behalf of Equiva Services LLC, Cambria Environmental Technology, Inc. (Cambria) is submitting this groundwater monitoring report in accordance with the reporting requirements of 23 CCR 2652d.

#### FIRST QUARTER 2000 ACTIVITIES

**Groundwater Monitoring:** Blaine Tech Services, Inc. (Blaine) of San Jose, California developed, gauged and sampled the site wells. Blaine calculated groundwater elevations and compiled the analytical data. Cambria prepared a groundwater elevation contour map (Figure 1). The Blaine report, presenting the laboratory report and supporting field documents, is included as Attachment A.

#### ANTICIPATED SECOND QUARTER 2000 ACTIVITIES

**Groundwater Monitoring:** Blaine will gauge and sample all wells and tabulate the data. Cambria will prepare a monitoring report.

**Subsurface Investigation:** Cambria installed three onsite monitoring wells on June 8 and 9, 1999. Results of the investigation will be submitted in a *Monitoring Well Installation Report* during the second quarter of 2000.

**Conduit Study:** In a January 28, 2000 telephone conversation with Cambria, eva chu of Alameda County Health Care Services Agency requested that a conduit study be performed at the site. Cambria will provide a conduit evaluation in a forthcoming quarterly monitoring report.

when completed, can decide if off site MW  
is necessary. Include a water well survey

Oakland, CA  
San Ramon, CA  
Sonoma, CA  
Portland, OR

Cambria  
Environmental  
Technology, Inc.

1144 65th Street  
Suite B  
Oakland, CA 94608  
Tel (510) 420-0700  
Fax (510) 420-9170

**CLOSING**

We appreciate the opportunity to work with you on this project. Please call Darryk Ataide at (510) 420-3339 if you have any questions or comments.

Sincerely,  
**Cambria Environmental Technology, Inc**



Darryk Ataide, REA I  
Project Manager

Ailsa S. Le May, R.G.  
Senior Geologist



Figure: 1 - Groundwater Elevation Contour Map

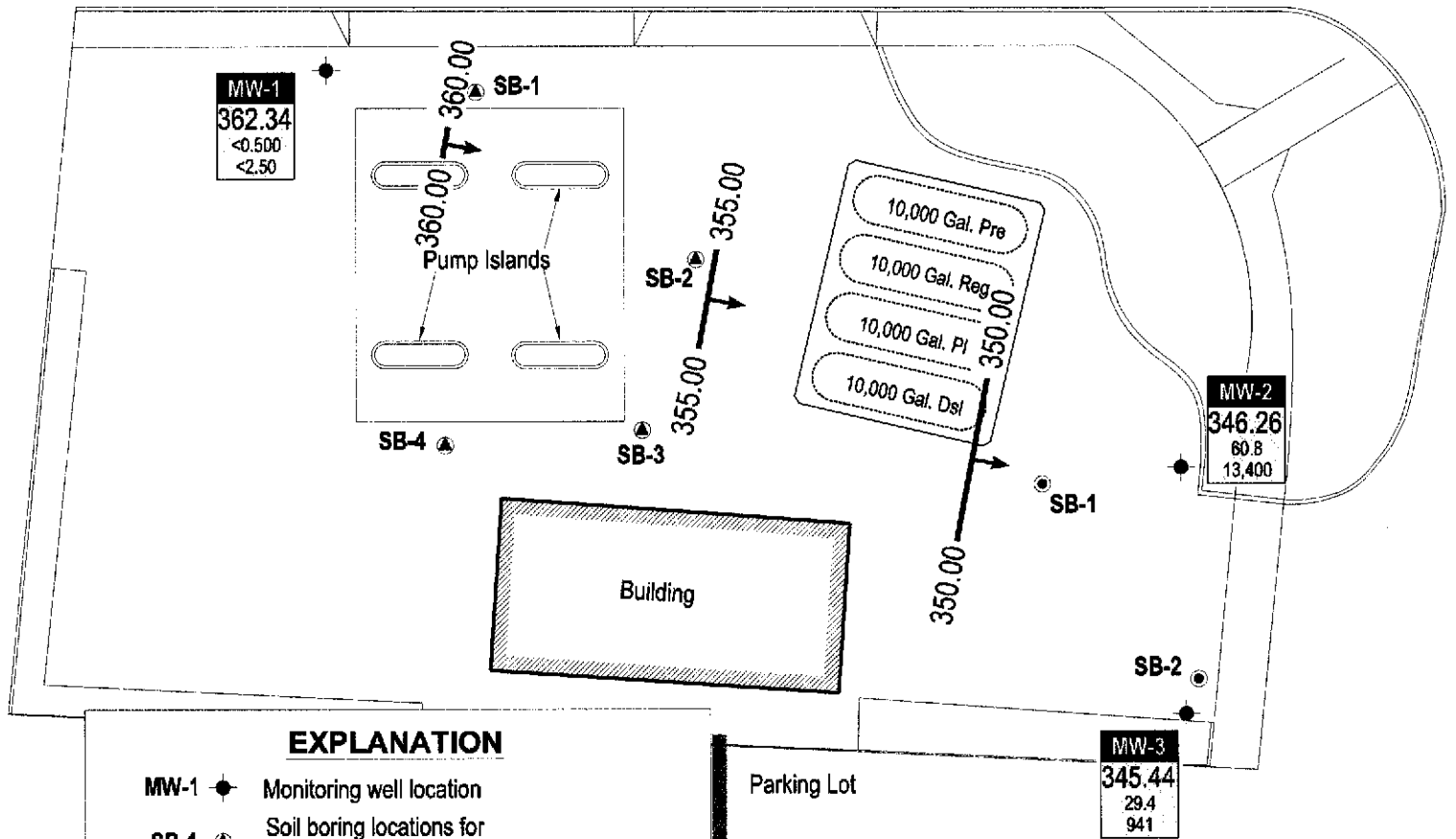
Attachment: A - Blaine Groundwater Monitoring Report and Field Notes

cc: Karen Petryna, Equiva Services LLC, P.O. Box 7869, Burbank, California 91510-7869

g:\dublin 11989\qm\2q00qm.doc

DUBLIN BOULEVARD

SAN RAMON ROAD



**EXPLANATION**

- MW-1 ● Monitoring well location
- SB-1 ▲ Soil boring locations for November 16, 1997 investigation
- SB-1 ○ Soil boring locations for August 5, 1998 investigation
- Groundwater flow direction
- xx.xx Groundwater elevation contour, in feet above mean sea level (msl), approximately located
- Well designation
- ELEV Groundwater elevation, in feet above msl
- Benzene Benzene and MTBE concentrations are in parts per billion and are analyzed by EPA Method 8020; MTBE results in parentheses are analyzed by EPA Method 8260.
- MTBE

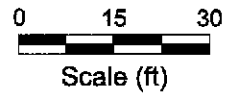


FIGURE 1

**Shell-branded Service Station**  
 11989 Dublin Boulevard  
 Dublin, California  
 Incident #98995328



C A M B R I A

**Groundwater Elevation Contour Map**

January 27, 2000

**ATTACHMENT A**

Blaine Groundwater Monitoring Report  
and Field Notes

**BLAINE**  
TECH SERVICES INC



1680 ROGERS AVENUE  
SAN JOSE, CALIFORNIA 95112-1105  
(408) 573-7771 FAX  
(408) 573-0555 PHONE

March 6, 2000

Karen Petryna  
Equiva Services LLC  
P.O. Box 7869  
Burbank, CA 91510-7869

First Quarter 2000 Groundwater Monitoring at  
Shell-branded Service Station  
11989 Dublin Boulevard  
Dublin, CA

Monitoring performed on January 27, 2000

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Groundwater Monitoring Report **000127-G-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.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. In order to avoid compromising the objectivity necessary for the proper and disinterested performance of this work, Blaine Tech Services, Inc. concentrates on objective data collection and does not participate in the interpretation of analytical results, the definition of geological or hydrological conditions, the formulation of recommendations, or the marketing of remedial systems.

Please call if you have any questions.

Yours truly,

A handwritten signature in black ink, appearing to read "Deidre Kerwin for:", written in a cursive style.

Deidre Kerwin  
Operations Manager

DK/ew

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

cc: Anni Kreml  
Cambria Environmental Technology, Inc.  
1144 65<sup>th</sup> Street  
Oakland, Ca 94608-2411

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**11989 Dublin Boulevard**  
**Dublin, CA**

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-1	07/20/1999	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	367.99	6.24	361.75
MW-1	10/25/1999	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	367.99	6.36	361.63
MW-1	01/27/2000	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	367.99	5.65	362.34
MW-2	07/20/1999	2,600	699	55.0	<2.50	59.5	<2.50	9,370	NA	365.43	20.31	345.12
MW-2	10/25/1999	4,710	761	61.1	<10.0	74.6	<10.0	22,800	NA	365.43	22.80	342.63
MW-2	01/27/2000	3,820	1,490	60.8	<10.0	156	<10.0	13,400	15,000 <sup>a</sup>	365.43	9.17	346.26
MW-3	07/20/1999	208	177	4.69	<0.500	<0.500	<0.500	664	NA	364.97	24.23	340.74
MW-3	10/25/1999	378	182	9.49	<0.500	<0.500	<0.500	1,410	NA	364.97	23.26	341.71
MW-3	01/27/2000	428	100	29.4	<0.500	<0.500	<0.500	921	NA	364.97	19.53	345.44

Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015

TEPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015

BTEX = benzene, toluene, ethylbenzene, xylenes by EPA Method 8020

MTBE = methyl-tertiary-butyl ether by EPA Method 8020

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:

Wells surveyed June 21, 1999 by Virgil Chavez Land Surveying of Vallejo, California.

a = Sample was analyzed outside the EPA recommended holding time.



February 28, 2000

Nick Sudano  
Blaine Tech Services (Shell)  
1680 Rogers Avenue  
San Jose, CA 95112

RE: Equiva 11989 Dublin Blvd.

Dear Nick Sudano

Enclosed are the results of analyses for sample(s) received by the laboratory on January 27, 2000.  
If you have any questions concerning this report, please feel free to contact me.  
Report revised and reissued due to the reporting of MTBE by EPA 8260.

Sincerely,

Kayvan Kimyai  
Project Manager D.M.

CA ELAP Certificate Number 1210







Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Equiva Project Number: 11989 Dublin Blvd. Project Manager: Nick Sudano	Sampled: 1/27/00 Received: 1/27/00 Reported: 2/28/00 16:04
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### ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-1	MJA0141-01	Water	1/27/00
MW-2	MJA0141-02	Water	1/27/00
MW-3	MJA0141-03	Water	1/27/00





Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Equiva Project Number: 11989 Dublin Blvd. Project Manager: Nick Sudano	Sampled: 1/27/00 Received: 1/27/00 Reported: 2/28/00 16:04
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**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT  
Sequoia Analytical - Morgan Hill**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
				<b><u>MJA0141-01</u></b>				
<b><u>MW-1</u></b>							<b><u>Water</u></b>	
Purgeable Hydrocarbons	0B07003	2/7/00	2/7/00	DHS LUFT	50.0	ND	ug/l	
Benzene	"	"	"	DHS LUFT	0.500	ND	"	
Toluene	"	"	"	DHS LUFT	0.500	ND	"	
Ethylbenzene	"	"	"	DHS LUFT	0.500	ND	"	
Xylenes (total)	"	"	"	DHS LUFT	0.500	ND	"	
Methyl tert-butyl ether	"	"	"	DHS LUFT	2.50	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	70-130		93.0	%	
				<b><u>MJA0141-02</u></b>				
<b><u>MW-2</u></b>							<b><u>Water</u></b>	
Purgeable Hydrocarbons	0B07003	2/7/00	2/7/00	DHS LUFT	1000	3820	ug/l	P-01
Benzene	"	"	"	DHS LUFT	10.0	60.8	"	
Toluene	"	"	"	DHS LUFT	10.0	ND	"	
Ethylbenzene	"	"	"	DHS LUFT	10.0	156	"	
Xylenes (total)	"	"	"	DHS LUFT	10.0	ND	"	
Methyl tert-butyl ether	"	"	"	DHS LUFT	250	13400	"	M-03
Surrogate: a,a,a-Trifluorotoluene	"	"	"	70-130		95.6	%	
				<b><u>MJA0141-03</u></b>				
<b><u>MW-3</u></b>							<b><u>Water</u></b>	
Purgeable Hydrocarbons	0B07003	2/7/00	2/7/00	DHS LUFT	50.0	428	ug/l	P-01
Benzene	"	"	"	DHS LUFT	0.500	29.4	"	
Toluene	"	"	"	DHS LUFT	0.500	ND	"	
Ethylbenzene	"	"	"	DHS LUFT	0.500	ND	"	
Xylenes (total)	"	"	"	DHS LUFT	0.500	ND	"	
Methyl tert-butyl ether	"	"	"	DHS LUFT	25.0	941	"	M-03
Surrogate: a,a,a-Trifluorotoluene	"	"	"	70-130		196	%	S-02





Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Equiva Project Number: 11989 Dublin Blvd. Project Manager: Nick Sudano	Sampled: 1/27/00 Received: 1/27/00 Reported: 2/28/00 16:04
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**Diesel Hydrocarbons (C9-C24) by DHS LUFT  
Sequoia Analytical - Morgan Hill**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
<b>MW-1</b>				<b>MJA0141-01</b>			<b>Water</b>	
Diesel Range Hydrocarbons	0B01024	2/1/00	2/2/00	DHS LUFT	0.0500	ND	mg/l	
Surrogate: <i>n</i> -Pentacosane	"	"	"	50-150		105	%	
<b>MW-2</b>				<b>MJA0141-02</b>			<b>Water</b>	
Diesel Range Hydrocarbons	0B01024	2/1/00	2/2/00	DHS LUFT	0.0500	1.49	mg/l	D-15
Surrogate: <i>n</i> -Pentacosane	"	"	"	50-150		123	%	
<b>MW-3</b>				<b>MJA0141-03</b>			<b>Water</b>	
Diesel Range Hydrocarbons	0B01024	2/1/00	2/2/00	DHS LUFT	0.0500	0.100	mg/l	D-15
Surrogate: <i>n</i> -Pentacosane	"	"	"	50-150		119	%	





Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Equiva Project Number: 11989 Dublin Blvd. Project Manager: Nick Sudano	Sampled: 1/27/00 Received: 1/27/00 Reported: 2/28/00 16:04
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**Volatile Organic Compounds by EPA Method 8260B  
Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
<b>MW-2</b>				<b><u>MJA0141-02</u></b>			<b><u>Water</u></b>	<b><u>O-04</u></b>
Methyl tert-butyl ether	0020396	2/18/00	2/18/00		250	15000	ug/l	
Surrogate: Dibromofluoromethane	"	"	"	86.0-118		91.8	%	





Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Equiva Project Number: 11989 Dublin Blvd. Project Manager: Nick Sudano	Sampled: 1/27/00 Received: 1/27/00 Reported: 2/28/00 16:04
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**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control  
Sequoia Analytical - Morgan Hill**

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
<b>Batch: 0B07003</b>		<b>Date Prepared: 2/7/00</b>		<b>Extraction Method: EPA 5030B (P/T)</b>						
<b>Blank</b>		<b>0B07003-BLK1</b>								
Purgeable Hydrocarbons	2/7/00			ND	ug/l	50.0				
Benzene	"			ND	"	0.500				
Toluene	"			ND	"	0.500				
Ethylbenzene	"			ND	"	0.500				
Xylenes (total)	"			ND	"	0.500				
Methyl tert-butyl ether	"			ND	"	2.50				
Surrogate: a,a,a-Trifluorotoluene	"	10.0		8.92	"	70-130	89.2			
<b>LCS</b>		<b>0B07003-BS1</b>								
Purgeable Hydrocarbons	2/7/00	250		222	ug/l	70-130	88.8			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		9.38	"	70-130	93.8			
<b>Matrix Spike</b>		<b>0B07003-MS1 MJA0141-01</b>								
Purgeable Hydrocarbons	2/7/00	250	ND	206	ug/l	60-140	82.4			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		9.07	"	70-130	90.7			
<b>Matrix Spike Dup</b>		<b>0B07003-MSD1 MJA0141-01</b>								
Purgeable Hydrocarbons	2/7/00	250	ND	224	ug/l	60-140	89.6	25	8.37	
Surrogate: a,a,a-Trifluorotoluene	"	10.0		8.84	"	70-130	88.4			





Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Equiva Project Number: 11989 Dublin Blvd. Project Manager: Nick Sudano	Sampled: 1/27/00 Received: 1/27/00 Reported: 2/28/00 16:04
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**Diesel Hydrocarbons (C9-C24) by DHS LUFT/Quality Control  
Sequoia Analytical - Morgan Hill**

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
<b>Batch: 0B01024</b>			<b>Date Prepared: 2/1/00</b>			<b>Extraction Method: EPA 3510B</b>				
<b>Blank</b>			<b>0B01024-BLK1</b>							
Diesel Range Hydrocarbons	2/2/00			ND	mg/l	0.0500				
Surrogate: <i>n</i> -Pentacosane	"	0.100		0.107	"	50-150	107			
<b>LCS</b>			<b>0B01024-BS1</b>							
Diesel Range Hydrocarbons	2/2/00	1.00		0.924	mg/l	60-140	92.4			
Surrogate: <i>n</i> -Pentacosane	"	0.100		0.112	"	50-150	112			
<b>LCS Dup</b>			<b>0B01024-BSD1</b>							
Diesel Range Hydrocarbons	2/2/00	1.00		0.903	mg/l	60-140	90.3	50	2.30	
Surrogate: <i>n</i> -Pentacosane	"	0.100		0.116	"	50-150	116			





Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Equiva Project Number: 11989 Dublin Blvd. Project Manager: Nick Sudano	Sampled: 1/27/00 Received: 1/27/00 Reported: 2/28/00 16:04
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**Volatile Organic Compounds by EPA Method 8260B/Quality Control  
Sequoia Analytical - Petaluma**

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Reporting Limit Units	Recov. %	RPD Limit	RPD %	Notes*
<b>Batch: 0020396</b>			<b>Date Prepared: 2/16/00</b>		<b>Extraction Method: EPA 5030 waters</b>				
<b>Blank</b>									
Methyl tert-butyl ether	2/16/00			ND	ug/l	0.500			
Surrogate: Dibromofluoromethane	"	5.00		4.77	"	86.0-118	95.4		
<b>Blank</b>									
<b>0020396-BLK2</b>									
Methyl tert-butyl ether	2/18/00			ND	ug/l	0.500			
Surrogate: Dibromofluoromethane	"	5.00		4.52	"	86.0-118	90.4		
<b>LCS</b>									
<b>0020396-BS1</b>									
Methyl tert-butyl ether	2/16/00	5.00		5.05	ug/l	72.7-119	101		
Surrogate: Dibromofluoromethane	"	5.00		4.77	"	86.0-118	95.4		
<b>LCS</b>									
<b>0020396-BS2</b>									
Methyl tert-butyl ether	2/18/00	5.00		4.94	ug/l	72.7-119	98.8		
Surrogate: Dibromofluoromethane	"	5.00		4.49	"	86.0-118	89.8		
<b>Matrix Spike</b>									
<b>0020396-MS1 P002280-01</b>									
Methyl tert-butyl ether	2/16/00	25.0	ND	24.5	ug/l	72.7-119	98.0		
Surrogate: Dibromofluoromethane	"	5.00		4.82	"	86.0-118	96.4		
<b>Matrix Spike Dup</b>									
<b>0020396-MSD1 P002280-01</b>									
Methyl tert-butyl ether	2/16/00	25.0	ND	23.9	ug/l	72.7-119	95.6	20.0	2.48
Surrogate: Dibromofluoromethane	"	5.00		4.81	"	86.0-118	96.2		





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

Project: Equiva  
Project Number: 11989 Dublin Blvd.  
Project Manager: Nick Sudano

Sampled: 1/27/00  
Received: 1/27/00  
Reported: 2/28/00 16:04

## Notes and Definitions

#	Note
D-15	Chromatogram Pattern: Unidentified Hydrocarbons C9-C24
M-03	Sample was analyzed at a second dilution per clients request.
O-04	This sample was analyzed outside the EPA recommended holding time.
P-01	Chromatogram Pattern: Gasoline C6-C12
S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference





# BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE  
SAN JOSE, CALIFORNIA 95112-1105  
FAX (408) 573-7771  
PHONE (408) 573-0555

CHAIN OF 000127-62

CLIENT Equiva - Karen Petryna

SITE 11989 Dublin Blvd.

Dublin, CA

SAMPLE I.D.	DATE	TIME	MATRIX		TOTAL	CONTAINERS
			S= SOIL	W=H <sub>2</sub> O		
MW-1	1/27/00	1450	W		5	Mixed
MW-2	↓	1523	↓		↓	↓
MW-3	↓	1504	↓		↓	↓

CONDUCT ANALYSIS TO DETECT					
TPH - gas, BTEX	MTBE by 8020	MTBE by 8260	TPH - diesel	Oxygenates by 8260	
X	X		X		
X	X		X		
X	X		X		

LAB Sequoia DHS # \_\_\_\_\_

ALL ANALYSIS MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND

EPA  RWQCB REGION \_\_\_\_\_

LIA

OTHER

SPECIAL INSTRUCTIONS

Send invoice to Equiva

Incident # 98995328

Sent report to Blaine Tech Services, Inc.

ATTN: Ann Pember

ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
Confirm highest MTBE hit by 8260.			

MJA 01/41

SAMPLING COMPLETED 1/27/00 1530 SAMPLING PERFORMED BY [Signature] RESULTS NEEDED NO LATER THAN \_\_\_\_\_

RELEASED BY [Signature] DATE 1-27-00 TIME 1845 RECEIVED BY [Signature] DATE 1-27 TIME 1637

RELEASED BY [Signature] DATE \_\_\_\_\_ TIME \_\_\_\_\_ RECEIVED BY BN (MH) DATE 1/29/00 TIME 17:46

RELEASED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_ RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

SHIPPED VIA \_\_\_\_\_ DATE SENT \_\_\_\_\_ TIME SENT \_\_\_\_\_ COOLER # \_\_\_\_\_

**WELL GAUGING DATA**

Project # 000127-62 Date 1/27/00 Client Equiva 98995328

Site 11989 Dublin Blvd., Dublin, CA

Well ID	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
MW-1	4					5.65	20.10	TOC
MW-2	4					19.17	<del>19.17</del> 32.92	↓
MW-3	4					19.53	<del>19.53</del> 33.20	

## EQUIVA WELL MONITORING DATA SHEET

BTS #: <u>000127-62</u>	Site: <u>98995328</u>
Sampler: <u>M6</u>	Date: <u>1/27/00</u>
Well I.D.: <u>MW-1</u>	Well Diameter: 2 3 <u>(4)</u> 6 8
Total Well Depth: <u>20.10</u>	Depth to Water: <u>5.65</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- Bailer  
 Disposable Bailer  
 Middleburg  
 Electric Submersible  
 Waterra  
 Peristaltic  
 Extraction Pump  
 Other \_\_\_\_\_

Sampling Method:

- Bailer  
 Disposable Bailer  
 Extraction Port  
 Dedicated Tubing  
 Other: \_\_\_\_\_

$$\frac{9.4}{1} \text{ (Gals.)} \times \underline{3} = \underline{28.2} \text{ Gals.}$$
 1 Case Volume      Specified Volumes      Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
<u>1436</u>	<u>67.4</u>	<u>6.9</u>	<u>1210</u>	<u>&gt;200</u>	<u>10</u>	
<u>1440</u>	<u>68.0</u>	<u>6.8</u>	<u>1170</u>	<u>&gt;200</u>	<u>20</u>	
<u>1444</u>	<u>67.8</u>	<u>6.8</u>	<u>1170</u>	<u>&gt;200</u>	<u>30</u>	

Did well dewater? Yes   No      Gallons actually evacuated: 30

Sampling Time: 1450      Sampling Date: 1/27/00

Sample I.D.: MW-1      Laboratory: Sequia Columbia 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

## EQUIVA WELL MONITORING DATA SHEET

BTS #: <u>000127-62</u>	Site: <u>98995328</u>
Sampler: <u>MB</u>	Date: <u>1/27/00</u>
Well I.D.: <u>MW-2</u>	Well Diameter: 2 3 <u>(4)</u> 6 8
Total Well Depth: <u>32.92</u>	Depth to Water: <u>19.17</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- Bailer  
 Disposable Bailer  
 Middleburg  
 Electric Submersible  
 Waterra  
 Peristaltic  
 Extraction Pump  
 Other \_\_\_\_\_

Sampling Method:

- Bailer  
 Disposable Bailer  
 Extraction Port  
 Dedicated Tubing  
 Other: \_\_\_\_\_

<u>8.9</u> (Gals.) X <u>3</u> = <u>26.7</u> Gals.
1 Case Volume      Specified Volumes      Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1516	67.2	6.7	1100	27	9	<u>Obor</u>
1517	67.7	6.7	1090	>200	18	
1518	67.8	6.7	1090	>200	27	

Did well dewater? Yes  No  Gallons actually evacuated: 27

Sampling Time: 1523 Sampling Date: 1/27/00

Sample I.D.: MW-2 Laboratory: Sequoia Columbia 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

## EQUIVA WELL MONITORING DATA SHEET

BTS #: <u>000127-62</u>	Site: <u>98995328</u>
Sampler: <u>MG</u>	Date: <u>1/27/00</u>
Well I.D.: <u>MW-3</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: <u>33.20</u>	Depth to Water: <u>19.53</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PWC</u> Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- Bailer  
 Disposable Bailer  
 Middleburg  
 Electric Submersible  
 Waterra  
 Peristaltic  
 Extraction Pump  
 Other \_\_\_\_\_

Sampling Method:

- Bailer  
 Disposable Bailer  
 Extraction Port  
 Dedicated Tubing  
 Other: \_\_\_\_\_

<u>8.9</u> (Gals.) X <u>3</u>	=	<u>26.7</u> Gals.
I Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1456	66.2	6.8	1300	12	9	
1457	66.6	6.8	1290	120	18	
1458	66.0	6.8	1280	>200	27	Slight odor

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: <u>27</u>	
Sampling Time: <u>1504</u>	Sampling Date: <u>1/27/00</u>	
Sample I.D.: <u>MW-3</u>	Laboratory: <u>Sequoia</u> Columbia Other _____	
Analyzed for: <del>TPH-G</del> BTEX MTBE <del>TPH-D</del> 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