BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE
CONTRACTOR'S LICENSE #746684
www.blainetech.com

February 9, 2001

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

First Quarter 2001 Groundwater Monitoring at
Shell-branded Service Station
11989 Dublin Boulevard
Dublin, CA

Monitoring performed on January 16, 2001

Groundwater Monitoring Report **010116-A-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. 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,

Deidre Kerwin
Operations Manager

DK/jt

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

cc: Anni Kreml
Cambria Environmental Technology, Inc.
1144 65th 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)	D.O. Reading (ppm)
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	NA
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	NA
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	NA
MW-1	04/03/2000	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	367.99	5.68	362.31	1.2/1.6
MW-1	07/27/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	367.99	5.69	362.30	1.0/1.1
MW-1	10/16/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	367.99	5.74	362.25	1.2/0.8
MW-1	**01/16/2001**	**<50.0**	**NA**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<2.50**	**NA**	**367.99**	**5.71**	**362.28**	**0.59/2.8**
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	NA
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	NA
MW-2	01/27/2000	3,820	1490	60.8	<10.0	156	<10.0	13,400	15,000a	365.43	19.17	346.26	NA
MW-2	04/03/2000	7,130	NA	184	14.9	238	18.8	34,200	28,000	365.43	19.03	346.40	1.6/1.7
MW-2	07/27/2000	311	NA	10.0	<0.500	<0.500	<0.500	280	NA	365.43	19.09	346.34	1.9/1.7
MW-2	10/16/2000	3,970	NA	123	<5.00	68.5	<5.00	14,000	15,600	365.43	23.98	341.45	0.5/0.5
MW-2	**01/16/2001**	**5,780**	**NA**	**125**	**9.71**	**139**	**6.93**	**7,660**	**7,810**	**365.43**	**22.12**	**343.31**	**0.90/2.61**
MW-3	07/20/1999	208	177	4.69	<0.500	<0.500	<0.500	664	NA	364.97	24.23	340.74	NA
MW-3	10/25/1999	378	182	9.49	<0.500	<0.500	<0.500	1,410	NA	364.97	23.26	341.71	NA
MW-3	01/27/2000	428	100	29.4	<0.500	<0.500	<0.500	941	NA	364.97	19.53	345.44	NA
MW-3	04/03/2000	<125	NA	11.4	<1.25	<1.25	<1.25	639	NA	364.97	19.13	345.84	1.4/1.9
MW-3	07/27/2000	4,360	NA	78.4	6.95	85.8	2.61	26,600	25,200b	364.97	19.10	345.87	1.9/2.0
MW-3	10/16/2000	586	NA	21.3	<0.500	<0.500	<0.500	3,310	NA	364.97	24.11	340.86	1.1/0.8
MW-3	**01/16/2001**	**558**	**NA**	**14.7**	**<0.500**	**<0.500**	**<0.500**	**2,210**	**NA**	**364.97**	**22.19**	**342.78**	**0.87/3.5**

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)	D.O. Reading (ppm)

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
DO = Dissolved Oxygen
ug/L = parts per billion
ppm = parts per million
msl = Mean sea level
ft = Feet
<n = Below detection limit
n/n = Pre-purge/Post-purge DO Readings
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.
b = Concentration is an estimate.

Sequoia Analytical

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31 January, 2001

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

RE: 11989 Dublin Blvd.
Sequoia Report: MKA0400

Enclosed are the results of analyses for samples received by the laboratory on 01/17/01 10:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

for Wayne Stevenson
Client Services Manager

CA ELAP Certificate #1210

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Blaine Tech Services (Shell)	Project: 11989 Dublin Blvd.	
1680 Rogers Avenue	Project Number: 11989 Dublin Blvd./ Dublin	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	01/31/01 10:41

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MKA0400-01	Water	01/16/01 14:53	01/17/01 10:40
MW-2	MKA0400-02	Water	01/16/01 15:12	01/17/01 10:40
MW-3	MKA0400-03	Water	01/16/01 14:37	01/17/01 10:40

Sequoia Analytical - Morgan Hill

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

for

Wayne Stevenson, Client Services Manager

Sequoia Analytical

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Blaine Tech Services (Shell)	Project: 11989 Dublin Blvd.	
1680 Rogers Avenue	Project Number: 11989 Dublin Blvd./ Dublin	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	01/31/01 10:41

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MKA0400-01) Water Sampled: 01/16/01 14:53 Received: 01/17/01 10:40									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	1A21003	01/21/01	01/21/01	DHS LUFT	
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		*90.0 %*	*70-130*		"	"	"	"	
MW-2 (MKA0400-02) Water Sampled: 01/16/01 15:12 Received: 01/17/01 10:40									
Purgeable Hydrocarbons	**5780**	500	ug/l	10	1A21003	01/21/01	01/21/01	DHS LUFT	P-01
Benzene	**125**	5.00	"	"	"	"	"	"	
Toluene	**9.71**	5.00	"	"	"	"	"	"	
Ethylbenzene	**139**	5.00	"	"	"	"	"	"	
Xylenes (total)	**6.93**	5.00	"	"	"	"	"	"	
Methyl tert-butyl ether	**7660**	250	"	100	"	"	01/23/01	"	M-03
Surrogate: a,a,a-Trifluorotoluene		*132 %*	*70-130*		"	"	*01/21/01*	"	*S-02*
MW-3 (MKA0400-03) Water Sampled: 01/16/01 14:37 Received: 01/17/01 10:40									
Purgeable Hydrocarbons	**558**	50.0	ug/l	1	1A21003	01/21/01	01/21/01	DHS LUFT	P-03
Benzene	**14.7**	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	**2210**	125	"	50	"	"	01/23/01	"	M-03
Surrogate: a,a,a-Trifluorotoluene		*107 %*	*70-130*		"	"	*01/21/01*	"	

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Blaine Tech Services (Shell)	Project: 11989 Dublin Blvd.	
1680 Rogers Avenue	Project Number: 11989 Dublin Blvd./ Dublin	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	01/31/01 10:41

Volatile Organic Compounds by EPA Method 8260A

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 (MKA0400-02) Water Sampled: 01/16/01 15:12 Received: 01/17/01 10:40									
Ethanol	ND	8000	ug/l	20	1A22020	01/22/01	01/22/01	EPA 8260A	
tert-Butyl alcohol	**1640**	400	"	"	"	"	"	"	
Methyl tert-butyl ether	**7810**	400	"	400	"	"	01/24/01	"	
Di-isopropyl ether	ND	20.0	"	20	"	"	01/22/01	"	
Ethyl tert-butyl ether	ND	20.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	20.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	20.0	"	"	"	"	"	"	
Ethylene dibromide	ND	20.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*		*70-130*		"	"	"	

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1680 Rogers Avenue	Project Number: 11989 Dublin Blvd./ Dublin	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	01/31/01 10:41

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A21003 - EPA 5030B [P/T]										
Blank (1A21003-BLK1)				Prepared & Analyzed: 01/21/01						
Purgeable Hydrocarbons	ND	50.0	ug/l							
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	*8.28*		"	*10.0*		*82.8*	*70-130*			
LCS (1A21003-BS1)				Prepared & Analyzed: 01/21/01						
Benzene	9.30	0.500	ug/l	10.0		93.0	70-130			
Toluene	9.64	0.500	"	10.0		96.4	70-130			
Ethylbenzene	10.1	0.500	"	10.0		101	70-130			
Xylenes (total)	30.2	0.500	"	30.0		101	70-130			
Surrogate: a,a,a-Trifluorotoluene	*9.36*		"	*10.0*		*93.6*	*70-130*			
Matrix Spike (1A21003-MS1)		**Source: MKA0337-03**		Prepared & Analyzed: 01/21/01						
Benzene	9.94	0.500	ug/l	10.0	ND	99.4	60-140			
Toluene	9.93	0.500	"	10.0	ND	99.3	60-140			
Ethylbenzene	10.1	0.500	"	10.0	ND	101	60-140			
Xylenes (total)	31.3	0.500	"	30.0	ND	104	60-140			
Surrogate: a,a,a-Trifluorotoluene	*9.96*		"	*10.0*		*99.6*	*70-130*			
Matrix Spike Dup (1A21003-MSD1)		**Source: MKA0337-03**		Prepared & Analyzed: 01/21/01						
Benzene	9.96	0.500	ug/l	10.0	ND	99.6	60-140	0.201	25	
Toluene	10.2	0.500	"	10.0	ND	102	60-140	2.68	25	
Ethylbenzene	10.6	0.500	"	10.0	ND	106	60-140	4.83	25	
Xylenes (total)	30.7	0.500	"	30.0	ND	102	60-140	1.94	25	
Surrogate: a,a,a-Trifluorotoluene	*10.4*		"	*10.0*		*104*	*70-130*			

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1680 Rogers Avenue	Project Number: 11989 Dublin Blvd./ Dublin	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	01/31/01 10:41

Volatile Organic Compounds by EPA Method 8260A - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A22020 - EPA 5030B [P/T]										
Blank (1A22020-BLK1)				Prepared: 01/22/01 Analyzed: 01/23/01						
Ethanol	ND	400	ug/l							
tert-Butyl alcohol	ND	20.0	"							
Methyl tert-butyl ether	ND	1.00	"							
Di-isopropyl ether	ND	1.00	"							
Ethyl tert-butyl ether	ND	1.00	"							
tert-Amyl methyl ether	ND	1.00	"							
1,2-Dichloroethane	ND	1.00	"							
Ethylene dibromide	ND	1.00	"							
Surrogate: 1,2-Dichloroethane-d4	*9.37*		"	*10.0*		*93.7*	*70-130*			
LCS (1A22020-BS1)				Prepared: 01/22/01 Analyzed: 01/23/01						
Methyl tert-butyl ether	8.96	1.00	ug/l	10.0		89.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	*10.7*		"	*10.0*		*107*	*70-130*			
Matrix Spike (1A22020-MS1)		**Source: MKA0241-04**		Prepared: 01/22/01 Analyzed: 01/23/01						
Methyl tert-butyl ether	23.2	1.00	ug/l	10.0	14.5	87.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	*9.61*		"	*10.0*		*96.1*	*70-130*			
Matrix Spike Dup (1A22020-MSD1)		**Source: MKA0241-04**		Prepared: 01/22/01 Analyzed: 01/23/01						
Methyl tert-butyl ether	22.7	1.00	ug/l	10.0	14.5	82.0	70-130	2.18	25	
Surrogate: 1,2-Dichloroethane-d4	*8.78*		"	*10.0*		*87.8*	*70-130*			

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1680 Rogers Avenue	Project Number: 11989 Dublin Blvd./ Dublin	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	01/31/01 10:41

Notes and Definitions

M-03	Sample was analyzed at a second dilution.
P-01	Chromatogram Pattern: Gasoline C6-C12
P-03	Chromatogram Pattern: Unidentified Hydrocarbons 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
RPD	Relative Percent Difference

EQUIVA Services LLC Chain Of Custody Record

LAB: Sequoia

Lab Identification (if necessary):

Address:

City, State, Zip:

Equiva Project Manager to be Invoiced: Karen Petryna

☑ SCIENCE & ENGINEERING ☐ TECHNICAL SERVICES ☐ START HOUSTON

INCIDENT NUMBER (SAP ONLY): 9 0 9 9 5 3 2 8

SAP or CMMT NUMBER (TS/CRM):

DATE: Jan 16, 2001

PAGE: 1 of 1

CONSULTANT COMPANY: Blaine Tech Services

ADDRESS: 180 Rogers Avenue

CITY: San Jose, CA 95112

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

SITE ADDRESS (Street and City): 11989 Dublin Blvd., Dublin

PROJECT CONTACT (Report to): Nick Sudano

CONSULTANT PROJECT NO.: BTS # 010116-A2

SAMPLER NAME(S) (Print): Oscar Angulo

LAB USE ONLY: MKA0400

TURNAROUND TIME (BUSINESS DAYS): ☒ 10 DAYS ☐ 5 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

☐ LA - RWQCB REPORT FORMAT ☐ LIST AGENCY:

RCAMS MTBE CONFIRMATION: HIGHEST [redacted] HIGHEST per BORING ____ ALL ____

SPECIAL INSTRUCTIONS OR NOTES: TEMPERATURE ON RECEIPT C°

MW-2 Oxygenates to include only MTBE, ETBE, DIPE, TAME & TBA"

[redacted]

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable (8015m)	BTEX (8021B)	MTBE (8021B)	MTBE (8260B)	TPH - Diesel, Extractable (8015m)	Oxygenates (5) by 8260	Ethanol, Methanol (8015B)	MTBE (8260B) Confirmation, See Note	1,2-DCA & EDB by 8260	Ethanol by 8260	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	MW-1 ✓	1/16/01	1453	W	3	X	X	X			[redacted]					1
	MW-2 ✓	1/16/01	1512	W	6	X	X	X			X		[redacted]	X	X	2
	MW-3 ✓	1/16/01	1437	W	3	X	X	X								3

Relinquished by: (Signature) O. Angulo — Received by: (Signature) — Date: 1/17/01 — Time: 816

Relinquished by: (Signature) — Received by: (Signature) — Date: — Time:

Relinquished by: (Signature) — Received by: (Signature) — Date: — Time:

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.

10/16.00 Revision

JAN-18-01(THU) 09:20 BLAINE TECH SERVICES INC TEL:408 573 7771 P.002

WELL GAUGING DATA

Project # 010116-A1 Date 1/16/01 Client Equiva

Site 11989 Dublin - Dublin Ca. 9899528

	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	
1	MW-1	4					5.71	19.78		
3	MW-2	4					22.12	32.53		
2	MW-3	4					22.19	32.65		

EQUIVA WELL MONITORING DATA SHEET

BTS #: 010116-A2	Site: 98995328
Sampler: OA	Date: 1/16/01
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 19.78	Depth to Water: 5.71
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) 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: ___

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

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1446	65.2	6.0	1170	196	9	
1447	65.0	6.1	1170	146	18	
1448	64.6	6.1	1168	137	28	

Did well dewater? Yes (No)		Gallons actually evacuated: 28	
Sampling Time: 1453		Sampling Date: 1/16/01	
Sample I.D.: MW-1		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):	.59 mg/L	(Post-purge):	2.8 mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: 010116-42	Site: 98995328
Sampler: DA	Date: 1/16/01
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 32.53	Depth to Water: 22.12
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) 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: _____

6.7 (Gals.) X 3 = 20 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.	Turbidity	Gals. Removed	Observations
1505	64.7	5.9	1045	176	7	odor
1506	68.1	5.9	1036	109	14	
1507	67.4	6.0	1033	102	20	

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

Sampling Time: 1512 Sampling Date: 1/16/01

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:	.90 mg/L	Post-purge:	2.61	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

MAR 16 2001

EQUIVA WELL MONITORING DATA SHEET

BTS #: 010116-MZ	Site: 98995328
Sampler: OA	Date: 1/16/01
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 32.65	Depth to Water: 22.19
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

Purge Method:

Bailer
Disposable Bailer
Middleburg
Electric Submersible (X)
Waterra
Peristaltic
Extraction Pump
Other_____

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

6.7 (Gals.) X 3 = 20 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.	Turbidity	Gals. Removed	Observations
1430	58.1	5.9	1260	130	7	
1431	64.7	5.9	1260	78	14	
1432	65.0	6.0	1267	62	20	

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

Sampling Time: 1437 Sampling Date: 1/16/01

Sample I.D.: MW-3 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:	0.87 mg/L	Post-purge:	3.5	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

CAMBRIA

April 18, 2001

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

Want to see proposed well moved 60 - 80 so uth of proposed location

Re: **Offsite Investigation Work Plan**
Shell-branded Service Station
11989 Dublin Boulevard
Dublin, California
Incident #98995328
Cambria Project #243-0548

Dear Ms. chu:

Cambria Environmental Technology, Inc. (Cambria) is submitting this *Offsite Investigation Work Plan* on behalf of Equiva Services LLC. This work plan was prepared in response to the March 16, 2001 Alameda County Health Care Services Agency (ACHCSA) letter dated requesting a work plan to assess soils for fuel hydrocarbons and oxygenates. The site background and proposed activities are presented below.

SITE SUMMARY

Site Location: This operating Shell-branded service station is located at the intersection of Dublin Boulevard and San Ramon Road in Dublin, California (Figures 1 and 2). The surrounding area is primarily commercial with retail businesses adjacent to the site. A Chevron service station is located northeast of the Shell-branded site. Currently, three gasoline underground storage tanks (USTs) and one diesel UST are in use onsite.

Soil and Groundwater Investigation Summary

June 1997 Dispenser and Piping Removal and Replacement: In June 1997, soil samples were collected and analyzed during dispenser and piping replacement. Maximum detected concentrations of total purgeable petroleum hydrocarbons as gasoline (TPHg) and total extractable petroleum hydrocarbons as diesel (TPHd) were 690 parts per million (ppm) and 12,000 ppm, respectively. The highest detected benzene and methyl tert-butyl ether (MTBE) (by EPA Method 8020) concentrations during the same sampling event were 0.55 ppm and 8.9 ppm, respectively, both from beneath the center dispenser in the northern pump island.

Oakland, CA
San Ramon, CA
Sonoma, CA

Cambria Environmental Technology, Inc.

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Oakland, CA 94608
Tel (510) 420-0700
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