CAMBRIA

ENVIRONMENTAL PROTECTION

00 MAR 34 AM 11:38

March 29, 2000

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

Re: **First Quarter 2000 Monitoring Report**
Shell-branded Service Station
105 Fifth Street
Oakland, California
Incident #98995757
Cambria Project #242-0472-002

STID 3849

Dear Mr. Seto:

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 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.

Investigation and Monitoring Well Installation: Cambria is currently obtaining an encroachment permit and bond from the City of Oakland to conduct the proposed investigation and monitoring well installation.

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

Vacuum Tank Truck Operations: Due to concentration of MTBE in wells MW-2 and MW-3, Cambria will coordinate groundwater extraction from both wells for four weekly events and monthly thereafter. A vacuum tank truck will use down-well extraction pipes to purge wells MW-2 and MW-3. Vacuum truck operations will be initiated following the first quarter 2000 sampling event and conducted until the second quarter 2000 sampling event. A summary and evaluation of vacuum truck operations will be presented in the second quarter 2000 monitoring report.

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

REGISTERED GEOLOGIST
AILSA S. LE MAY
NO. 6717
STATE OF CALIFORNIA

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 91501-7869
Arthur R. and Mary A. Hansen, Trs., et al, 820 Loyola Drive, Los Altos, CA 94024

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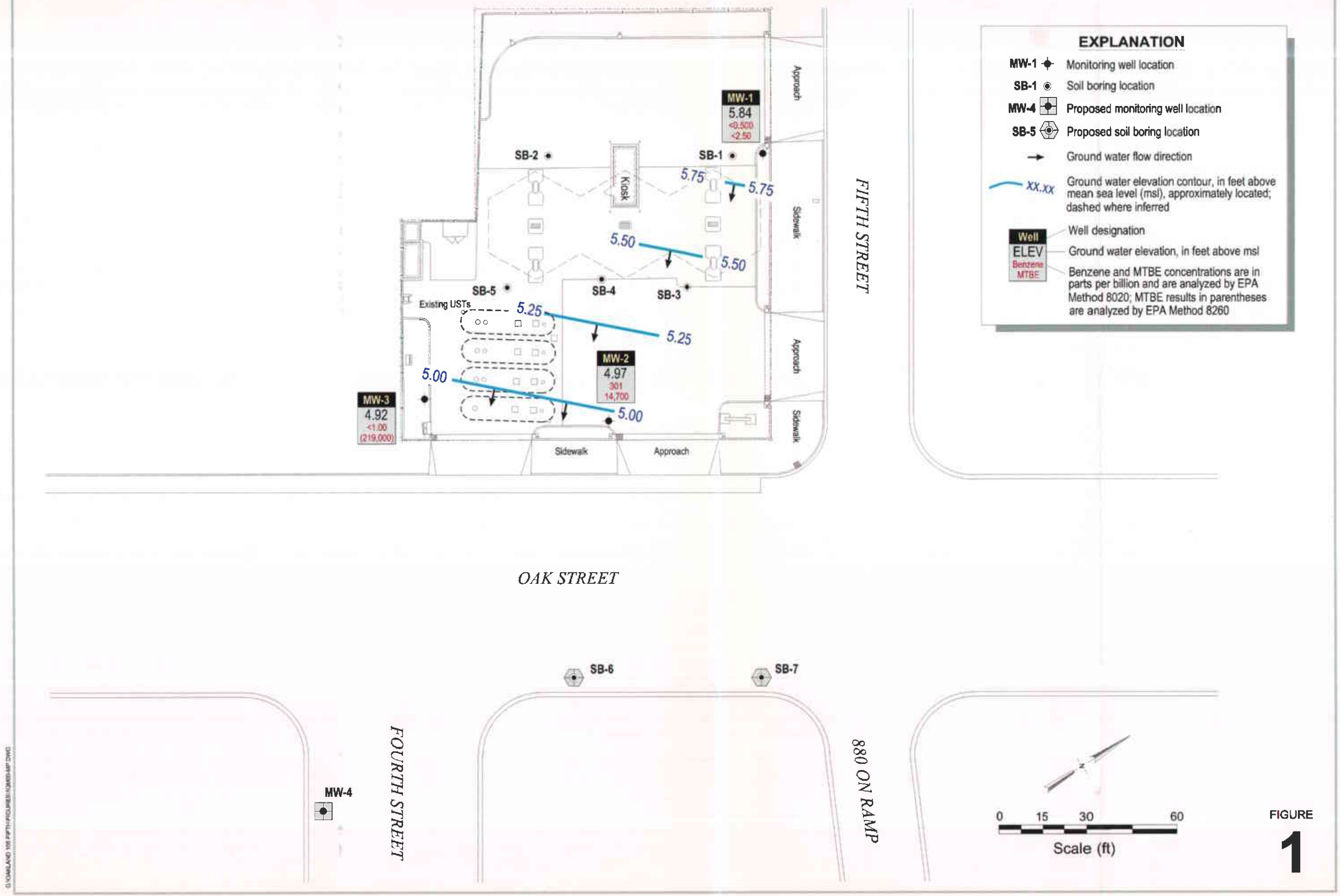

EXPLANATION

- MW-1 — Monitoring well location
- SB-1 — Soil boring location
- MW-4 — Proposed monitoring well location
- SB-5 — Proposed soil boring location
- Ground water flow direction
- xx.xx — Ground water elevation contour, in feet above mean sea level (msl), approximately located; dashed where inferred

Well
ELEV
Benzene
MTBE

- Well designation
- Ground water elevation, in feet above msl
- 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

Ground Water Elevation Contour Map

January 5, 2000

CAMBRIA

Shell-branded Service Station
105 Fifth Street
Oakland, California
Incident #98995757

FIGURE
1

ATTACHMENT A

Blaine Groundwater Monitoring Report
and Field Notes

BLAINE
TECH SERVICES INC.

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

February 21, 2000

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

First Quarter 2000 Groundwater Monitoring at
Shell-branded Service Station
105 5th Street
Oakland, CA

Monitoring performed on January 5, 2000

Groundwater Monitoring Report **000105-J-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/jh

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

cc: Anni Kreml
Cambria Environmental Technology, Inc.
1144 65th Street, Suite C
Oakland, CA 94608-2411

WELL CONCENTRATIONS
Shell-branded Service Station
105 5th Street
Oakland, 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 mg/L
MW-1	07/20/1999	NA	NA	NA	NA	NA	NA	NA	NA	12.22	17.56	-5.34	NA
MW-1	07/23/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	<2.00	12.22	6.45	5.77	NA
MW-1	11/01/1999	1[illegible]	NA	15.6	3.12	4.04	12.6	6.69	NA	12.22	6.59	5.63	0.5/0.7
MW-1	01/05/2000	<50.0	<20.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	12.22	6.38	5.84	1.2/1.4
MW-2	07/20/1999	NA	NA	NA	NA	NA	NA	NA	NA	10.87	18.24	-7.37	NA
MW-2	07/23/1999	13,800	NA	1,790	<100	<100	682	29,900	29,400	10.87	5.98	4.89	NA
MW-2	11/01/1999	2,420	NA	316	10.8	119	44.2	17,000	NA	10.87	6.03	4.84	0.5/0.3
MW-2	01/05/2000	2120a	687	301a	<5.00a	116a	84.4a	14,700	NA	10.87	5.90	4.97	2.0/2.6
MW-3	07/20/1999	NA	NA	NA	NA	NA	NA	NA	NA	11.27	19.07	-7.80	NA
MW-3	07/23/1999	128	NA	<0.500	<0.500	<0.500	<0.500	404,000	324,000	11.27	6.43	4.84	NA
MW-3	11/01/1999	<1,000	NA	<10.0	<10.0	<10.0	<10.0	169,000	224,000	11.27	6.48	4.79	0.5/0.3
MW-3	01/05/2000	137	322	<1.00	<1.00	<1.00	<1.00	165,000	219,000	11.27	6.35	4.92	2.4/2.2

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
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

WELL CONCENTRATIONS
Shell-branded Service Station
105 5th Street
Oakland, 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 mg/L

n/n = Pre-purge/Post-purge

Notes:

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

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308

January 26, 2000

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

RE: Equiva 105 5th Street, Oakland

Dear Leah Davis

Enclosed are the results of analyses for sample(s) received by the laboratory on January 6, 2000. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kayvan Kiryai
Project Manager D.M.

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308

Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 1/5/00
1680 Rogers Avenue	Project Number:	105 5th St.	Received: 1/6/00
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 1/26/00 15:05

ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-1	M001179-01	Water	1/5/00
MW-2	M001179-02	Water	1/5/00
MW-3	M001179-03	Water	1/5/00

Kayvan Kimyai, Project Manager D.M.

Sequoia Analytical

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Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 1/5/00
1680 Rogers Avenue	Project Number:	105 5th St.	Received: 1/6/00
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 1/26/00 15:05

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*
MW-1			**M001179-01**				**Water**	
Purgeable Hydrocarbons	0010430	1/18/00	1/18/00	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*		*98.7*	%	
MW-2			**M001179-02**				**Water**	
Purgeable Hydrocarbons	0010515	1/20/00	1/20/00	DHS LUFT	500	**2120**	ug/l	O-04,P-01
Benzene	"	"	"	DHS LUFT	5.00	**301**	"	O-04
Toluene	"	"	"	DHS LUFT	5.00	ND	"	O-04
Ethylbenzene	"	"	"	DHS LUFT	5.00	**116**	"	O-04
Xylenes (total)	"	"	"	DHS LUFT	5.00	**84.4**	"	O-04
Methyl tert-butyl ether	"	"	1/19/00	DHS LUFT	250	**14700**	"	M-03
Surrogate: a,a,a-Trifluorotoluene	"	"	*1/20/00*	*70-130*		*85.0*	%	
MW-3			**M001179-03**				**Water**	
Purgeable Hydrocarbons	0010430	1/18/00	1/18/00	DHS LUFT	100	**137**	ug/l	P-03
Benzene	"	"	"	DHS LUFT	1.00	ND	"	
Toluene	"	"	"	DHS LUFT	1.00	ND	"	
Ethylbenzene	"	"	"	DHS LUFT	1.00	ND	"	
Xylenes (total)	"	"	"	DHS LUFT	1.00	ND	"	
Methyl tert-butyl ether	"	"	1/19/00	DHS LUFT	2500	**165000**	"	M-03
Surrogate: a,a,a-Trifluorotoluene	"	"	*1/18/00*	*70-130*		*96.5*	%	

Sequoia Analytical

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Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 1/5/00
1680 Rogers Avenue	Project Number:	105 5th St.	Received: 1/6/00
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 1/26/00 15:05

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*
MW-1			**M001179-01**				**Water**	
Diesel Range Hydrocarbons	0010468	1/18/00	1/21/00	DHS LUFT	0.0200	ND	mg/l	
Surrogate: n-Pentacosane	"	"	"	*50-150*		*90.6*	%	
MW-2			**M001179-02**				**Water**	
Diesel Range Hydrocarbons	0010468	1/18/00	1/21/00	DHS LUFT	0.0200	**0.687**	mg/l	D-15
Surrogate: n-Pentacosane	"	"	"	*50-150*		*102*	%	
MW-3			**M001179-03**				**Water**	
Diesel Range Hydrocarbons	0010468	1/18/00	1/21/00	DHS LUFT	0.0200	**0.322**	mg/l	D-15
Surrogate: n-Pentacosane	"	"	"	*50-150*		*101*	%	

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Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 1/5/00
1680 Rogers Avenue	Project Number:	105 5th St.	Received: 1/6/00
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 1/26/00 15:05

MTBE by EPA Method 8260A
Sequoia Analytical - Morgan Hill

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
MW-3			**M001179-03**				**Water**	
Methyl tert-butyl ether	0010565	1/19/00	1/19/00	EPA 8260A	5000	**219000**	ug/l	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*70-130*		*117*	*%*	

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308

Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 1/5/00
1680 Rogers Avenue	Project Number:	105 5th St.	Received: 1/6/00
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 1/26/00 15:05

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*
Batch: 0010430	**Date Prepared: 1/18/00**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**0010430-BLK1**									
Purgeable Hydrocarbons	1/18/00			**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*		*8.39*	"	*70-130*	*83.9*			
LCS	**0010430-BS1**									
Purgeable Hydrocarbons	1/18/00	250		242	ug/l	70-130	96.8			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*8.53*	"	*70-130*	*85.3*			
Batch: 0010515	**Date Prepared: 1/20/00**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**0010515-BLK1**									
Purgeable Hydrocarbons	1/20/00			**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*		*7.39*	"	*70-130*	*73.9*			
LCS	**0010515-BS1**									
Purgeable Hydrocarbons	1/20/00	250		212	ug/l	70-130	84.8			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*7.39*	"	*70-130*	*73.9*			
Matrix Spike	**0010515-MS1**		**M001561-10**							
Purgeable Hydrocarbons	1/20/00	250	ND	220	ug/l	60-140	**88.0**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.30*	"	*70-130*	*93.0*			
Matrix Spike Dup	**0010515-MSD1**		**M001561-10**							
Purgeable Hydrocarbons	1/20/00	250	ND	202	ug/l	60-140	**80.8**	25	8.53	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.51*	"	*70-130*	*95.1*			

Sequoia Analytical

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Morgan Hill, CA 95037
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FAX (408) 782-6308

Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 1/5/00
1680 Rogers Avenue	Project Number:	105 5th St.	Received: 1/6/00
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 1/26/00 15:05

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*
Batch: 0010468	**Date Prepared: 1/18/00**					**Extraction Method: EPA 3520B**				
Blank	**0010468-BLK1**									
Diesel Range Hydrocarbons	1/21/00			ND	mg/l	0.0200				
Surrogate: n-Pentacosane	"	*0.100*		*0.0906*	"	*50-150*	*90.6*			
LCS	**0010468-BS1**									
Diesel Range Hydrocarbons	1/21/00	1.00		0.788	mg/l	60-140	78.8			
Surrogate: n-Pentacosane	"	*0.100*		*0.0934*	"	*50-150*	*93.4*			
LCS Dup	**0010468-BSD1**									
Diesel Range Hydrocarbons	1/21/00	1.00		0.777	mg/l	60-140	77.7	50	1.41	
Surrogate: n-Pentacosane	"	*0.100*		*0.0906*	"	*50-150*	*90.6*			

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Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 1/5/00
1680 Rogers Avenue	Project Number:	105 5th St.	Received: 1/6/00
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 1/26/00 15:05

MTBE by EPA Method 8260A/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*
Batch: 0010565	**Date Prepared: 1/19/00**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**0010565-BLK1**									
Methyl tert-butyl ether	1/19/00			**ND**	ug/l	**0.500**				
Surrogate: 1,2-Dichloroethane-d4	"	*10.0*		*11.8*	"	*70-130*	*118*			
LCS	**0010565-BS1**									
Methyl tert-butyl ether	1/19/00	10.0		9.71	ug/l	70-130	97.1			
Surrogate: 1,2-Dichloroethane-d4	"	*10.0*		*11.2*	"	*70-130*	*112*			
Matrix Spike	**0010565-MS1**		**M001180-01**							
Methyl tert-butyl ether	1/19/00	2000	2250	4520	ug/l	70-130	**114**			
Surrogate: 1,2-Dichloroethane-d4	"	*10.0*		*11.3*	"	*70-130*	*113*			
Matrix Spike Dup	**0010565-MSD1**		**M001180-01**							
Methyl tert-butyl ether	1/19/00	2000	2250	4380	ug/l	70-130	**107**	25	**3.15**	
Surrogate: 1,2-Dichloroethane-d4	"	*10.0*		*11.7*	"	*70-130*	*117*			

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308

Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 1/5/00
1680 Rogers Avenue	Project Number:	105 5th St.	Received: 1/6/00
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 1/26/00 15:05

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
P-03	Chromatogram Pattern: Unidentified Hydrocarbons C6-C12
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 CUSTODY: 000105-S1

CLIENT: Equiva - Karen Petryna

SITE: 105 5th Street
Oakland, CA

M001179

LAB: SEQUOIA   DHS #

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

- [x] EPA
- [ ] LIA
- [ ] OTHER
- [ ] RWQCB REGION

SPECIAL INSTRUCTIONS

Send invoice to Equiva

Incident # 98995757

Send report to Blaine Tech Services

Attn: Ann Pember

CONDUCT ANALYSIS TO DETECT

SAMPLE I.D.	Date	Time	MATRIX (S = SOIL, W = H2O)	CONTAINERS TOTAL	CONTAINERS	C = COMPOSITE ALL CONTAINERS	TPH - gas, BTEX	MTBE by 8020	MTBE by 8260	TPH - diesel	Oxygenates by 8260	1,2-DCA & EDB by 8010			ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW-1	1-5-00	0840	W	5	40ml VOA 1L Amber		X	X		X					confirm highest			01
MW-2	↓	0835	↓	↓			X	X		X					MTBE hit by			02
MW-3	↓	0815	↓	↓			X	X		X					EPA 8260			03

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN
	1-5-00	0840	Josh Kerns / [signature]	Standard.

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	1/6/00	9:37	[signature]	1-6	940
[signature]			[signature]	1/6/00	1124

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

WELL GAUGING DATA

Project # 000105-J1 Date 1-5-00 Client Equiva-Shell #98995757

Site 105 5th St. Oakland. 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	clean to Dirty
MW-1	4					6.38	23.60	TOC	1
MW-2	4					5.90	23.49	"	3
MW-3	4					6.35	24.90	"	2

EQUIVA WELL MONITORING DATA SHEET

BTS #: 000105-JJ	Site: 98995757
Sampler: Josh	Date: 01-05-00
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 23.60	Depth to Water: 6.38
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: _____

11.2 (Gals.) X 3 = 33.6 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.	Turbidity	Gals. Removed	Observations
0834	55.9	6.8	1039	7200	12	
0836	63.1	6.8	437	>200	24	
0838	67.0	6.7	404	7200	34	

Did well dewater? Yes (No) Gallons actually evacuated: 34

Sampling Time: 0840 Sampling Date: 1-05-00

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:	1.2 mg/L	Post-purge:	1.4 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: 000105-J1	Site: 98995757
Sampler: Josh	Date: 01-05-00
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 23.49	Depth to Water: 5.90
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

Bailer	Waterra	
Disposable Bailer	Peristaltic	
Middleburg	Extraction Pump	
Electric Submersible ✓	Other_____	

Sampling Method: Bailer ✓

Disposable Bailer	
Extraction Port	
Dedicated Tubing	
Other: _____	

11.4 (Gals.) X 3 = 34.3 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
929	63.6	6.7	853	>200	12	
930	67.7	6.7	524	7200	24	
932	68.8	6.6	514	7200	35	

Did well dewater? Yes (No) Gallons actually evacuated: 35

Sampling Time: 935 Sampling Date: 1-05-00

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:	2.1 mg/L	Post-purge:	2.6 mg/L
R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

3

EQUIVA WELL MONITORING DATA SHEET

BTS #: 000105-JJ	Site: 98995757
Sampler: Josh	Date: 01-05-00
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: ~~23.45~~ 24.90	Depth to Water: 6.35
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

Bailer	Waterra	
Disposable Bailer	Peristaltic	
Middleburg	Extraction Pump	
Electric Submersible ✓	Other_____	

Sampling Method: Bailer ✓

Disposable Bailer	
Extraction Port	
Dedicated Tubing	
Other: _____	

12.1 (Gals.) X 3 = 36.3 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
9:06	59.6	6.4	670	>200	13	odor
9:08	63.1	6.4	922	>200	26	
9:10	63.7	6.7	871	>200	37	

Did well dewater? Yes (No) Gallons actually evacuated: 37

Sampling Time: 915 Sampling Date: 1-05-00

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:	2.4 mg/L	Post-purge:	2.2 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV