GAMBRIA

December 10, 1999

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

Re: **Third Quarter 1999 Monitoring Report**
Shell-branded Service Station
610 Market Street
Oakland, California
Incident #99895750
Cambria Project #241-0594-002

Dear Mr. Seto:

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

THIRD QUARTER 1999 ACTIVITIES

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

ANTICIPATED FOURTH QUARTER 1999 ACTIVITIES

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

Oakland, CA
Sonoma, CA
Portland, OR
Seattle, WA

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 Brian Busch at (510) 420-3312 if you have any questions or comments.
925- 973- 3128

Sincerely,
Cambria Environmental Technology, Inc

for Brian Busch
Project Environmental Scientist

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

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

Figure: 1 - Ground Water Elevation Contour Map
Attachment: A - Blaine Ground Water Monitoring Report and Field Notes
cc: Karen Petryna, Equiva Services LLC, P.O. Box 7869, Burbank, California 91501-7869

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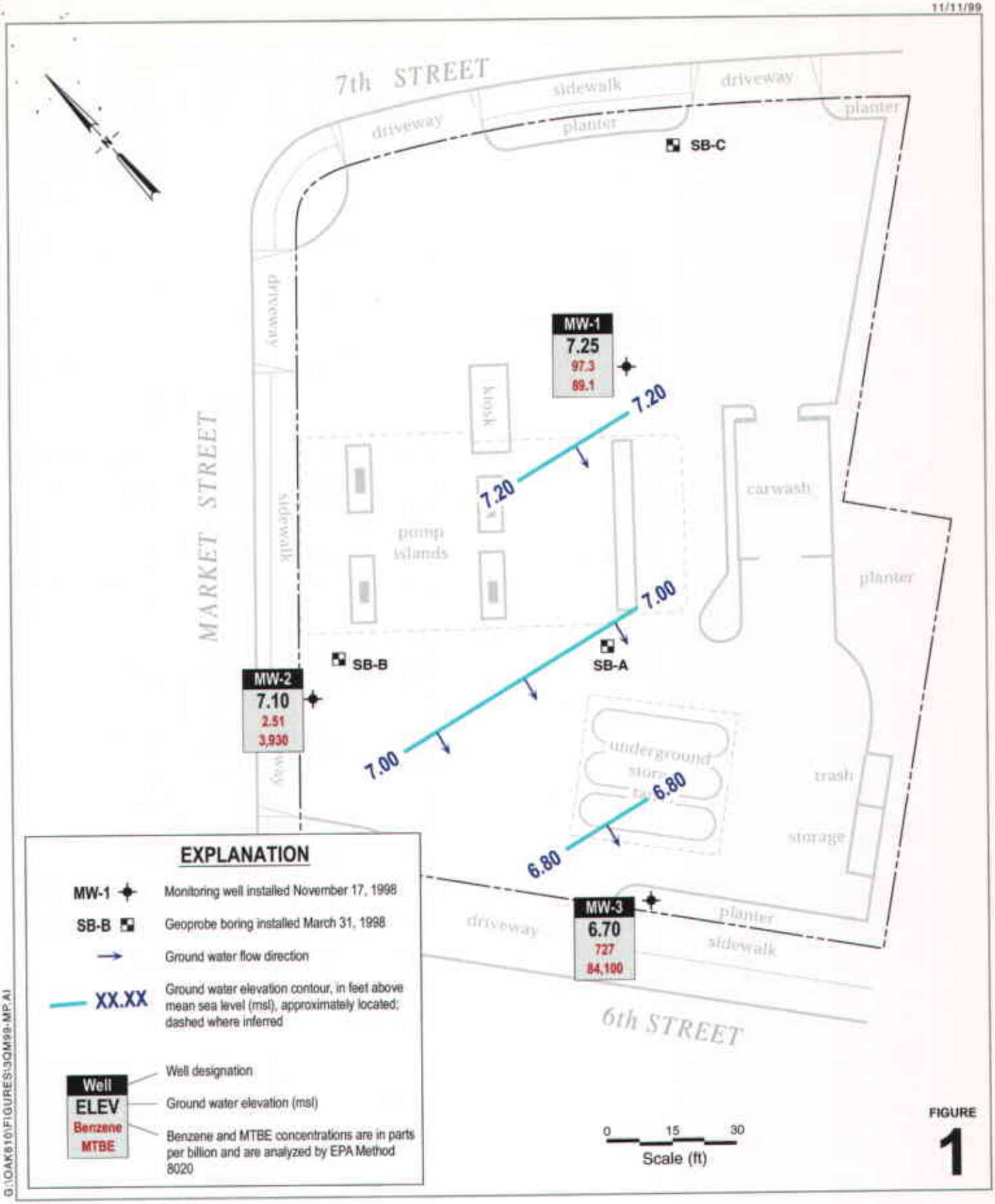

G:\OAK610\FIGURES\3QM99-MP.AI

FIGURE
1

Shell-branded Service Station

610 Market Street
Oakland, California
Incident #98995750

CAMBRIA

Ground Water Elevation Contour Map

September 29, 1999

ATTACHMENT A

Blaine Ground Water 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

October 28, 1999

Karen Petryna
Equiva Services LLC
P.O. Box 6249
Carson, CA 90749-6249

Third Quarter 1999 Groundwater Monitoring at
Shell-branded Service Station
610 Market Street
Oakland, CA

Monitoring performed on September 29, 1999

Groundwater Monitoring Report **990929-Z-3**

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 Shell Martinez Manufacturing Complex.

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/ek

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

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

WELL CONCENTRATIONS
Shell-branded Service Station
610 Market Street
Oakland, CA
WIC #204-5508-5702

Well ID	Date	TPPH (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	12/17/1998	2,200	20	<10	110	420	<50	NA	21.70	13.71	7.99
MW-1	03/09/1999	4,320	25.8	<10.0	338	474	<100	NA	21.70	13.03	8.67
MW-1	06/16/1999	6,150	107	84.0	615	1,050	<250	NA	21.70	13.82	7.88
MW-1	09/29/1999	3,440	97.3	58.7	433	578	89.1	NA	21.70	14.45	7.25
MW-2	12/17/1998	<5,000	<50	<50	<50	<50	11,000	NA	19.61	12.07	7.54
MW-2	03/09/1999	<250	5.20	<2.50	<2.50	<2.50	9,870	NA	19.61	11.46	8.15
MW-2	06/16/1999	<50.0	0.569	<0.500	<0.500	<0.500	3,440	NA	19.61	12.26	7.35
MW-2	09/29/1999	58.6	2.51	0.978	<0.500	<0.500	3,930	NA	19.61	12.51	7.10
MW-3	12/17/1998	30,000	890	110	2,100	4,300	42,000	43,000	19.05	11.65	7.40
MW-3	03/09/1999	22,700	536	<200	1,030	1,510	35,400	38,500	19.05	11.03	8.02
MW-3	06/16/1999	19,300	625	129	805	1,210	42,400	51,600	19.05	11.89	7.16
MW-3	09/29/1999	20,200	727	155	1,000	1,180	84,100	135,000a	19.05	12.35	6.70

Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline 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

WELL CONCENTRATIONS
Shell-branded Service Station
610 Market Street
Oakland, CA
WIC #204-5508-5702

Well ID	Date	TPPH (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)

Notes:

Wells MW-1, MW-2, and MW-3 surveyed December 9, 1998 by Virgil Chavez Land Surveying of Vallejo, California.

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

Sequoia Analytical

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

October 20, 1999

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

RE: Equiva 610 Market Street, Oakland/M909ABW

Dear Leah Davis

Enclosed are the results of analyses for sample(s) received by the laboratory on September 30, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kayvan Kimyai
Project Manager D.M.

CA ELAP Certificate Number 1210

Sequoia Analytical

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

Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 9/29/99
1680 Rogers Avenue	Project Number:	610 Market Street	Received: 9/30/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 10/20/99

ANALYTICAL REPORT FOR M909ABW

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-1	M909ABW-01	Water	9/29/99
MW-2	M909ABW-02	Water	9/29/99
MW-3	M909ABW-03	Water	9/29/99

Sequoia Analytical

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Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 9/29/99
1680 Rogers Avenue	Project Number:	610 Market Street	Received: 9/30/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 10/20/99

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

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-1			**M909ABW-01**				**Water**	
Purgeable Hydrocarbons	9100271	10/11/99	10/11/99		1000	**3440**	ug/l	1
Benzene	"	"	"		10.0	**97.3**	"	
Toluene	"	"	"		10.0	**58.7**	"	
Ethylbenzene	"	"	"		10.0	**433**	"	
Xylenes (total)	"	"	"		10.0	**578**	"	
Methyl tert-butyl ether	"	"	"		50.0	**89.1**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*100*	*%*	
MW-2			**M909ABW-02**				**Water**	
Purgeable Hydrocarbons	9100272	10/11/99	10/11/99		50.0	**58.6**	ug/l	2
Benzene	"	"	"		0.500	**2.51**	"	
Toluene	"	"	"		0.500	**0.978**	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	10/13/99		50.0	**3930**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	*10/11/99*	*70.0-130*		*76.2*	*%*	
MW-3			**M909ABW-03**				**Water**	
Purgeable Hydrocarbons	9100387	10/13/99	10/13/99		2500	**20200**	ug/l	1
Benzene	"	"	"		25.0	**727**	"	
Toluene	"	"	"		25.0	**155**	"	
Ethylbenzene	"	"	"		25.0	**1000**	"	
Xylenes (total)	"	"	"		25.0	**1180**	"	
Methyl tert-butyl ether	"	"	10/14/99		1250	**84100**	"	3
Surrogate: a,a,a-Trifluorotoluene	"	"	*10/13/99*	*70.0-130*		*102*	*%*	

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Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 9/29/99
1680 Rogers Avenue	Project Number:	610 Market Street	Received: 9/30/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 10/20/99

MTBE by EPA Method 8260A
Sequoia Analytical - San Carlos

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-3			**M909ABW-03**				**Water**	3
Methyl tert-butyl ether	9100092	10/19/99	10/19/99		2000	**136000**	ug/l	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*76.0-114*		*108*	%	

Sequoia Analytical

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Blaine Tech Services (Shell)	Project: Equiva	Sampled: 9/29/99
1680 Rogers Avenue	Project Number: 610 Market Street	Received: 9/30/99
San Jose, CA 95112	Project Manager: Leah Davis	Reported: 10/20/99

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: 9100271	**Date Prepared: 10/11/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9100271-BLK1**									
Purgeable Hydrocarbons	10/11/99			**ND**	ug/l	**50.0**				4
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*		*10.4*	"	*70.0-130*	*104*			
LCS	**9100271-BS1**									
Purgeable Hydrocarbons	10/11/99	250		248	ug/l	70.0-130	99.2			
Benzene	"			6.48	"	70.0-130				
Toluene	"			20.3	"	70.0-130				
Ethylbenzene	"			5.60	"	70.0-130				
Xylenes (total)	"			25.0	"	70.0-130				
Methyl tert-butyl ether	"			21.4	"	70.0-130				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*13.5*	"	*70.0-130*	*135*			5
Matrix Spike	**9100271-MS1**	**M909ABV-01**								
Purgeable Hydrocarbons	10/11/99	250	ND	216	ug/l	60.0-140	**86.4**			
Benzene	"		ND	5.87	"	60.0-140				
Toluene	"		ND	18.8	"	60.0-140				
Ethylbenzene	"		ND	5.13	"	60.0-140				
Xylenes (total)	"		ND	23.7	"	60.0-140				
Methyl tert-butyl ether	"		19.6	57.6	"	60.0-140				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*11.7*	"	*70.0-130*	*117*			
Matrix Spike Dup	**9100271-MSD1**	**M909ABV-01**								
Purgeable Hydrocarbons	10/11/99	250	ND	229	ug/l	60.0-140	**91.6**	25.0	**5.84**	
Benzene	"		ND	5.76	"	60.0-140		25.0		
Toluene	"		ND	19.0	"	60.0-140		25.0		
Ethylbenzene	"		ND	5.25	"	60.0-140		25.0		
Xylenes (total)	"		ND	24.3	"	60.0-140		25.0		
Methyl tert-butyl ether	"		19.6	30.9	"	60.0-140		25.0		
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.9*	"	*70.0-130*	*109*			
Batch: 9100272	**Date Prepared: 10/11/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9100272-BLK1**									
Purgeable Hydrocarbons	10/11/99			**ND**	ug/l	**50.0**				
Benzene	"			**ND**	"	**0.500**				
Toluene	"			**ND**	"	**0.500**				

Sequoia Analytical

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Morgan Hill, CA 95037
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Blaine Tech Services (Shell)	Project: Equiva	Sampled: 9/29/99
1680 Rogers Avenue	Project Number: 610 Market Street	Received: 9/30/99
San Jose, CA 95112	Project Manager: Leah Davis	Reported: 10/20/99

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*
Blank (continued)	**9100272-BLK1**									
Ethylbenzene	10/11/99			**ND**	ug/l	**0.500**				
Xylenes (total)	"			**ND**	"	**0.500**				
Methyl tert-butyl ether	"			**ND**	"	**2.50**				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.2*	"	*70.0-130*	*102*			
LCS	**9100272-BS1**									
Purgeable Hydrocarbons	10/11/99	250		262	ug/l	70.0-130	105			
Benzene	"			4.51	"	70.0-130				
Toluene	"			21.3	"	70.0-130				
Ethylbenzene	"			4.78	"	70.0-130				
Xylenes (total)	"			14.5	"	70.0-130				
Methyl tert-butyl ether	"			7.86	"	70.0-130				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.69*	"	*70.0-130*	*96.9*			
LCS Dup	**9100272-BSD1**									
Purgeable Hydrocarbons	10/11/99	250		278	ug/l	70.0-130	111	25.0	5.56	
Benzene	"			4.74	"	70.0-130		25.0		
Toluene	"			21.8	"	70.0-130		25.0		
Ethylbenzene	"			5.00	"	70.0-130		25.0		
Xylenes (total)	"			15.1	"	70.0-130		25.0		
Methyl tert-butyl ether	"			6.52	"	70.0-130		25.0		
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.6*	"	*70.0-130*	*106*			
Batch: 9100387	**Date Prepared: 10/13/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9100387-BLK1**									
Purgeable Hydrocarbons	10/13/99			**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*		*10.7*	"	*70.0-130*	*107*			
LCS	**9100387-BS1**									
Benzene	10/13/99	10.0		12.0	ug/l	70.0-130	120			
Toluene	"	10.0		11.6	"	70.0-130	116			
Ethylbenzene	"	10.0		11.7	"	70.0-130	117			
Xylenes (total)	"	30.0		34.8	"	70.0-130	116			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*11.6*	"	*70.0-130*	*116*			

Sequoia Analytical

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

Blaine Tech Services (Shell)	Project: Equiva	Sampled: 9/29/99
1680 Rogers Avenue	Project Number: 610 Market Street	Received: 9/30/99
San Jose, CA 95112	Project Manager: Leah Davis	Reported: 10/20/99

MTBE by EPA Method 8260A/Quality Control
Sequoia Analytical - San Carlos

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 9100092	**Date Prepared: 10/18/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9100092-BLK1**									
Methyl tert-butyl ether	10/18/99			**ND**	ug/l	**2.00**				
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*54.2*	"	*76.0-114*	*108*			
Blank	**9100092-BLK2**									
Methyl tert-butyl ether	10/19/99			**ND**	ug/l	**2.00**				
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*52.0*	"	*76.0-114*	*104*			
LCS	**9100092-BS1**									
Methyl tert-butyl ether	10/18/99	50.0		46.7	ug/l	70.0-130	93.4			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*55.4*	"	*76.0-114*	*111*			
LCS	**9100092-BS2**									
Methyl tert-butyl ether	10/19/99	50.0		45.1	ug/l	70.0-130	90.2			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*52.5*	"	*76.0-114*	*105*			
Matrix Spike	**9100092-MS1**		**L910116-05**							
Methyl tert-butyl ether	10/18/99	50.0	ND	47.7	ug/l	60.0-140	**95.4**			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*53.4*	"	*76.0-114*	*107*			
Matrix Spike Dup	**9100092-MSD1**		**L910116-05**							
Methyl tert-butyl ether	10/18/99	50.0	ND	47.3	ug/l	60.0-140	**94.6**	25.0	**0.842**	
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*54.9*	"	*76.0-114*	*110*			

Sequoia Analytical

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Morgan Hill, CA 95037
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Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 9/29/99
1680 Rogers Avenue	Project Number:	610 Market Street	Received: 9/30/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 10/20/99

Notes and Definitions

#	Note
1	Chromatogram Pattern: Gasoline C6-C12
2	Chromatogram Pattern: Unidentified Hydrocarbons C6-C12
3	This sample was analyzed outside the EPA recommended holding time.
4	Closing blk had detectable TPH due to carry over. Trip Blank in batch indicates samples not effected by carry over. Package qulified per Nokowhat Herrera.
5	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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 990929-23

CLIENT: Equiva - Karen Petryna

SITE: 610 Market Street
Oakland, CA

C = COMPOSITE ALL CONTAINERS

CONDUCT ANALYSIS TO DETECT

LAB: Sequoia DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
☐ EPA ☐ RWQCB REGION ____
☐ LIA
☐ OTHER

SPECIAL INSTRUCTIONS
M909ABW
Send invoice to Equiva
Incident # 98995750
Send report to Blaine Tech Services, Inc.
ATTN: Ann Pember

SAMPLE I.D.	DATE	TIME	MATRIX S=SOIL W=H_2O	CONTAINERS TOTAL	C	TPH - gas, BTEX	MTBE by 8020	MTBE by 8260	TPH - diesel	Oxygenates by 8260				ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW-1	9/29	1505	W	3		X	X						01				
MW-2	↓	1450	↓	↓		X	X						02	Confirm highest MTBE			
MW-3	↓	1520				X	X						03	hit by 8260"			

SAMPLING COMPLETED: DATE 9/29 TIME 1530
SAMPLING PERFORMED BY: Jeremy
RESULTS NEEDED NO LATER THAN

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	9/30/99	9:00		9/30/99	9:00
	9/30/99		NH	9/30/99	12:18

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

EQUIVA WELL MONITORING DATA SHEET

Project #: 990929-23	Job # 204-5508-5702
Sampler: JR	Date: 9-29-99
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 24.70	Depth to Water: 14.45
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius² * 0.163

Purge Method: Bailer / Middleburg / (Electric Submersible) Extraction Pump / Other: ___

Sampling Method: (Bailer) / Extraction Port / Other: ___

6.7 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 20.1 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1459	73.9	6.9	617	>200	7	turbid, clouds
1500	73.3	6.8	587	200	14	
1501	73.0	6.8	592	172	21	clear

Did well dewater? Yes (No) Gallons actually evacuated: 21

Sampling Time: 1505 Sampling Date: 9-29-99

Sample I.D.: MW-1 Laboratory: (Sequoia) BC Other ___

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

Project #: 990929-23	Job # 204-5508-5702
Sampler: JR	Date: 9-29-99
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 19.80	Depth to Water: 12.57
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method: Bailer / Middleburg / (Electric Submersible) Extraction Pump / Other: ___

Sampling Method: (Bailer) / Extraction Port / Other: ___

1.7	X	3	=	14.1 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1445	77.2	6.8	894	59	5	cloudy
1446	76.2	7.0	841	48	10	
1447	75.9	6.9	817	39	15	

Did well dewater? Yes (No)	Gallons actually evacuated: 15
Sampling Time: 1450	Sampling Date: 9-29-99
Sample I.D.: MW-2	Laboratory: (Sequoia) BC Other ___
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

Project #: 990929-23	Job # 204-5508-5702
Sampler: JR	Date: 9-29-99
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 19.60	Depth to Water: 12.35
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method: Bailer / Middleburg / (Electric Submersible) Extraction Pump / Other: ___

Sampling Method: (Bailer) / Extraction Port / Other: ___

4.7 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 14.1 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1514	75.6	6.9	610	7200	5	Very cloudy
1515	75.5	6.9	597	7200	10	
1516	75.5	6.9	599	7200	15	

Did well dewater? Yes (No) Gallons actually evacuated: 15

Sampling Time: 1520 Sampling Date: 9-29-99

Sample I.D.: MW-3 Laboratory: (Sequoia) BC Other ___

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

WELL GAUGING DATA

Project # 99092923 Date 9-29-99 Client ___ Shell 204-5508-5702 610 MARKET ST. OAKLAND

Site _____

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					14.45	24.70	TOC	
MW-2	4					12.51	19.80	↓	
MW-3	4					12.55	19.60	↓	