CAMBRIA

March 3, 2000

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

Re: **Fourth Quarter 1999 Monitoring Report**
Shell-branded Service Station
610 Market Street
Oakland, California
Incident #99895750
Cambria Project #242-0594-002

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.

FOURTH 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 supporting field documents, is included as Attachment A.

Agency Response: In response to the Alameda County Health Care Services Agency (ACHCSA) correspondence dated January 21, 2000, Cambria submitted an *Additional Subsurface Investigation Work Plan* dated February 18, 2000 and will proceed with the activities proposed therein.

ANTICIPATED FIRST QUARTER 2000 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 Troy Buggle at (510) 420-3333 if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc

Troy Buggle
Staff Senior 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
Virginia R. Rawson, Tr., 1860 Tice Creek Drive #1353, Walnut Creek, CA 94595
Ronald L. & Cathy L. Labatt, PO Box 462, Kamiah, ID 83536

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01/28/00

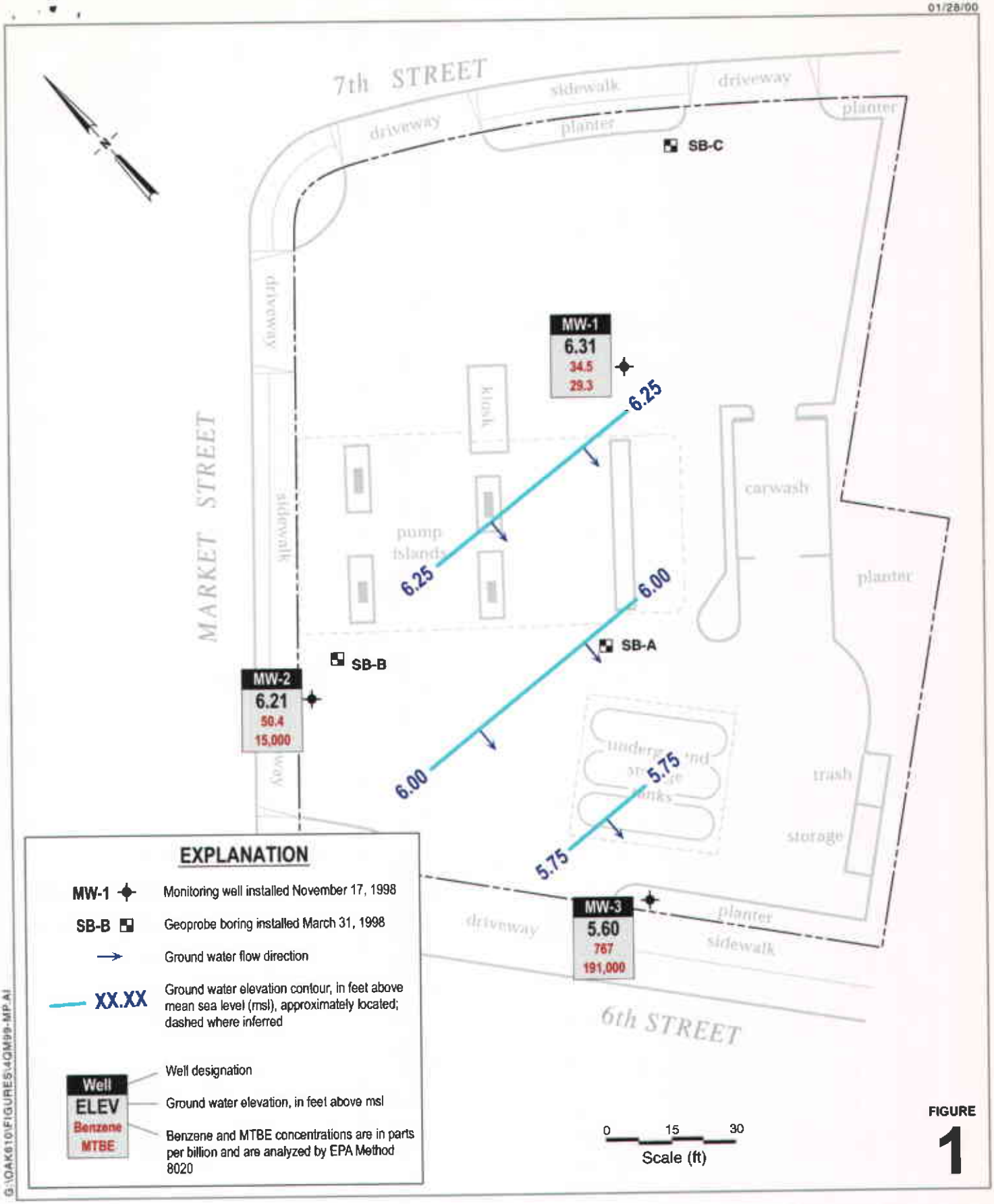

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FIGURE
1

Shell-branded Service Station

610 Market Street
Oakland, California
Incident #98995750

CAMBRIA

Ground Water Elevation Contour Map

December 22, 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

January 21, 2000

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

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

Monitoring performed on December 22, 1999

Groundwater Monitoring Report **991222-T-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 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/jbt

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-1	12/22/1999	1,370	34.5	4.38	196	49.1	29.3	NA	21.70	15.39	6.31
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-2	12/22/1999	<2,000	50.4	<20.0	<20.0	<20.0	15,000	NA	19.61	13.40	6.21
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	136,000a	19.05	12.35	6.70
MW-3	12/22/1999	44,500	767	64.4	1,810	2,090	191,000	186,000a	19.05	13.45	5.60

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

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)

<n = Below detection limit

NA = Not applicable

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

1551 Industrial Road
San Carlos, CA 94070-4111
(650) 232-9600
FAX (650) 232-9612

January 13, 2000

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

RE: Equiva(2)/L912219

Dear Leah Davis:

Enclosed are the results of analyses for sample(s) received by the laboratory on December 23, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

for Wayne Stevenson
Project Manager

CA ELAP Certificate Number I-2360

Sequoia Analytical

1551 Industrial Road
San Carlos, CA 94070-4111
(650) 232-9600
FAX (650) 232-9612

Blaine Tech Services	Project:	Equiva(2)	Sampled: 12/22/99
1680 Rogers Avenue	Project Number:	610 Market St., Oakland/991222-T2	Received: 12/23/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 1/13/00

ANALYTICAL REPORT FOR L912219

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-1	L912219-01	Water	12/22/99
MW-2	L912219-02	Water	12/22/99
MW-3	L912219-03	Water	12/22/99

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Blaine Tech Services	Project:	Equiva(2)	Sampled: 12/22/99
1680 Rogers Avenue	Project Number:	610 Market St., Oakland/991222-T2	Received: 12/23/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 1/13/00

Sample Description: **MW-1**
Laboratory Sample Number: **L912219-01**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
			Sequoia Analytical - San Carlos					
Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT								
Purgeable Hydrocarbons as Gasoline	0010019	1/5/00	1/5/00		250	**1370**	ug/l	1
Benzene	"	"	"		2.50	**34.5**	"	
Toluene	"	"	"		2.50	**4.38**	"	
Ethylbenzene	"	"	"		2.50	**196**	"	
Xylenes (total)	"	"	"		2.50	**49.1**	"	
Methyl tert-butyl ether	"	"	"		25.0	**29.3**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*85.9*	%	

Sequoia Analytical

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Blaine Tech Services	Project:	Equiva(2)	Sampled: 12/22/99
1680 Rogers Avenue	Project Number:	610 Market St., Oakland/991222-T2	Received: 12/23/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 1/13/00

Sample Description: **MW-2**
Laboratory Sample Number: **L912219-02**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - San Carlos								
Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT								
Purgeable Hydrocarbons as Gasoline	0010013	1/4/00	1/4/00		2000	ND	ug/l	
Benzene	"	"	"		20.0	**50.4**	"	
Toluene	"	"	"		20.0	ND	"	
Ethylbenzene	"	"	"		20.0	ND	"	
Xylenes (total)	"	"	"		20.0	ND	"	
Methyl tert-butyl ether	0010020	1/5/00	1/5/00		1000	**15000**	"	2
Surrogate: a,a,a-Trifluorotoluene	0010013	1/4/00	1/4/00	*70.0-130*		*95.6*	*%*	

Sequoia Analytical

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Blaine Tech Services	Project:	Equiva(2)	Sampled: 12/22/99
1680 Rogers Avenue	Project Number:	610 Market St., Oakland/991222-T2	Received: 12/23/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 1/13/00

Sample Description: **MW-3**
Laboratory Sample Number: **L912219-03**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
			Sequoia Analytical - San Carlos					
Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT								
Purgeable Hydrocarbons as Gasoline	0010020	1/5/00	1/5/00		5000	**44500**	ug/l	1
Benzene	"	"	"		50.0	**767**	"	
Toluene	"	"	"		50.0	**64.4**	"	
Ethylbenzene	"	"	"		50.0	**1810**	"	
Xylenes (total)	"	"	"		50.0	**2090**	"	
Methyl tert-butyl ether	"	"	"		10000	**191000**	"	2
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*114*	%	
MTBE by EPA Method 8260A								
Methyl tert-butyl ether	0010055	1/11/00	1/11/00		5000	**186000**	ug/l	3
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*76.0-114*		*105*	%	

Sequoia Analytical

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Blaine Tech Services	Project:	Equiva(2)	Sampled: 12/22/99
1680 Rogers Avenue	Project Number:	610 Market St., Oakland/991222-T2	Received: 12/23/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 1/13/00

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/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: 0010013	**Date Prepared: 1/4/00**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**0010013-BLK1**									
Purgeable Hydrocarbons as Gasoline	1/4/00			**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**	"	**5.00**				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*8.28*	"	*70.0-130*	*82.8*			
LCS	**0010013-BS1**									
Benzene	1/4/00	10.0		9.53	ug/l	70.0-130	95.3			
Toluene	"	10.0		9.18	"	70.0-130	91.8			
Ethylbenzene	"	10.0		9.04	"	70.0-130	90.4			
Xylenes (total)	"	30.0		27.0	"	70.0-130	90.0			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*8.71*	"	*70.0-130*	*87.1*			
LCS	**0010013-BS2**									
Purgeable Hydrocarbons as Gasoline	1/4/00	250		258	ug/l	70.0-130	103			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.66*	"	*70.0-130*	*96.6*			
Matrix Spike	**0010013-MS1**		**L912216-06**							
Purgeable Hydrocarbons as Gasoline	1/4/00	250	ND	258	ug/l	60.0-140	**103**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*11.9*	"	*70.0-130*	*119*			
Matrix Spike Dup	**0010013-MSD1**		**L912216-06**							
Purgeable Hydrocarbons as Gasoline	1/4/00	250	ND	267	ug/l	60.0-140	**107**	25.0	**3.81**	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*12.1*	"	*70.0-130*	*121*			
Batch: 0010019	**Date Prepared: 1/5/00**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**0010019-BLK1**									
Purgeable Hydrocarbons as Gasoline	1/5/00			**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**	"	**5.00**				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*12.0*	"	*70.0-130*	*120*			
LCS	**0010019-BS2**									
Purgeable Hydrocarbons as Gasoline	1/5/00			253	ug/l	70.0-130				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*11.8*	"	*70.0-130*	*118*			

Sequoia Analytical

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San Carlos, CA 94070-4111
(650) 232-9600
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Blaine Tech Services	Project:	Equiva(2)	Sampled: 12/22/99
1680 Rogers Avenue	Project Number:	610 Market St., Oakland/991222-T2	Received: 12/23/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 1/13/00

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/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*
LCS	**0010019-BS3**									
Benzene	1/5/00			9.47	ug/l	70.0-130				
Toluene	"			9.37	"	70.0-130				
Ethylbenzene	"			9.55	"	70.0-130				
Xylenes (total)	"			28.4	"	70.0-130				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*11.8*	"	*70.0-130*	*118*			
Matrix Spike	**0010019-MS1**		**L001014-02**							
Benzene	1/5/00	10.0	ND	10.3	ug/l	60.0-140	**103**			
Toluene	"	10.0	ND	10.2	"	60.0-140	**102**			
Ethylbenzene	"	10.0	ND	10.5	"	60.0-140	**105**			
Xylenes (total)	"	30.0	ND	30.8	"	60.0-140	**103**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*11.9*	"	*70.0-130*	*119*			
Matrix Spike Dup	**0010019-MSD1**		**L001014-02**							
Benzene	1/5/00	10.0	ND	10.9	ug/l	60.0-140	**109**	25.0	**5.66**	
Toluene	"	10.0	ND	11.1	"	60.0-140	**111**	25.0	**8.45**	
Ethylbenzene	"	10.0	ND	11.1	"	60.0-140	**111**	25.0	**5.56**	
Xylenes (total)	"	30.0	ND	33.0	"	60.0-140	**110**	25.0	**6.57**	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*11.9*	"	*70.0-130*	*119*			
Batch: 0010020	**Date Prepared: 1/5/00**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**0010020-BLK1**									
Purgeable Hydrocarbons as Gasoline	1/5/00			**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**	"	**5.00**				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.1*	"	*70.0-130*	*101*			
LCS	**0010020-BS1**									
Benzene	1/5/00	10.0		8.85	ug/l	70.0-130	88.5			
Toluene	"	10.0		8.63	"	70.0-130	86.3			
Ethylbenzene	"	10.0		8.89	"	70.0-130	88.9			
Xylenes (total)	"	30.0		26.4	"	70.0-130	88.0			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.2*	"	*70.0-130*	*102*			
LCS	**0010020-BS2**									
Purgeable Hydrocarbons as Gasoline	1/5/00	250		256	ug/l	70.0-130	102			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.79*	"	*70.0-130*	*97.9*			

Sequoia Analytical

1551 Industrial Road
San Carlos, CA 94070-4111
(650) 232-9600
FAX (650) 232-9612

Blaine Tech Services	Project:	Equiva(2)	Sampled: 12/22/99
1680 Rogers Avenue	Project Number:	610 Market St., Oakland/991222-T2	Received: 12/23/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 1/13/00

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/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*
Matrix Spike	**0010020-MS1**		**L001012-05**							
Benzene	1/5/00	10.0	ND	7.96	ug/l	60.0-140	**79.6**			
Toluene	"	10.0	ND	7.66	"	60.0-140	**76.6**			
Ethylbenzene	"	10.0	ND	7.95	"	60.0-140	**79.5**			
Xylenes (total)	"	30.0	ND	23.4	"	60.0-140	**78.0**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.07*	"	*70.0-130*	*90.7*			
Matrix Spike Dup	**0010020-MSD1**		**L001012-05**							
Benzene	1/5/00	10.0	ND	7.90	ug/l	60.0-140	**79.0**	25.0	**0.757**	
Toluene	"	10.0	ND	7.63	"	60.0-140	**76.3**	25.0	**0.392**	
Ethylbenzene	"	10.0	ND	7.82	"	60.0-140	**78.2**	25.0	**1.65**	
Xylenes (total)	"	30.0	ND	23.4	"	60.0-140	**78.0**	25.0	**0**	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.64*	"	*70.0-130*	*96.4*			

Sequoia Analytical

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San Carlos, CA 94070-4111
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Blaine Tech Services	Project:	Equiva(2)	Sampled: 12/22/99
1680 Rogers Avenue	Project Number:	610 Market St., Oakland/991222-T2	Received: 12/23/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 1/13/00

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: 0010055	**Date Prepared: 1/11/00**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**0010055-BLK1**									
Methyl tert-butyl ether	1/11/00			**ND**	ug/l	**2.00**				
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*52.7*	"	*76.0-114*	*105*			
Blank	**0010055-BLK2**									
Methyl tert-butyl ether	1/11/00			**ND**	ug/l	**2.00**				
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*49.7*	"	*76.0-114*	*99.4*			
LCS	**0010055-BS1**									
Methyl tert-butyl ether	1/11/00	50.0		51.1	ug/l	70.0-130	102			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*52.8*	"	*76.0-114*	*106*			
LCS	**0010055-BS2**									
Methyl tert-butyl ether	1/11/00	50.0		46.7	ug/l	70.0-130	93.4			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*50.4*	"	*76.0-114*	*101*			
Matrix Spike	**0010055-MS1**		**L912216-01**							
Methyl tert-butyl ether	1/11/00	50.0	13.2	62.6	ug/l	60.0-140	**98.8**			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*53.4*	"	*76.0-114*	*107*			
Matrix Spike Dup	**0010055-MSD1**		**L912216-01**							
Methyl tert-butyl ether	1/11/00	50.0	13.2	60.8	ug/l	60.0-140	**95.2**	25.0	**3.71**	
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*50.1*	"	*76.0-114*	*100*			

Sequoia Analytical

1551 Industrial Road
San Carlos, CA 94070-4111
(650) 232-9600
FAX (650) 232-9612

Blaine Tech Services	Project:	Equiva(2)	Sampled: 12/22/99
1680 Rogers Avenue	Project Number:	610 Market St., Oakland/991222-T2	Received: 12/23/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 1/13/00

Notes and Definitions

#	Note
1	Chromatogram Pattern: Gasoline C6-C12
2	Sample was analyzed at second dilution per Client's request.
3	Sample was analyzed past EPA recommended holding time.
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
JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF 991222-T2 L912219

CLIENT: Equiva - Karen Petryna

SITE: 610 Market Street

Oakland, CA

LAB: Sequoia | DHS #

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

SPECIAL INSTRUCTIONS

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 = COMPOSITE ALL CONTAINERS	CONDUCT ANALYSIS TO DETECT: TPH - gas, BTEX, MTBE	MTBE by 8020	MTBE by 8260	TPH - diesel	Oxygenates by 8260	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW1	12/22/99	1042	W	3		x					Confirm highest			
MW2	"	1030	"	3		x					MTBE hit by			
MW3	"	1053	"	3		x					8260			

SC

SAMPLING COMPLETED: DATE 12/22/99 TIME 1100

SAMPLING PERFORMED BY: Mike Toll

RESULTS NEED NO LATER THAN

		DATE	TIME		DATE	TIME
RELEASED BY	Mike Toll	12-23-99	9:30	RECEIVED BY		
RELEASED BY				RECEIVED BY		12-23 9:11
RELEASED BY	MH 12/23			RECEIVED BY	K. Cox	12-27-99 0700

SHIPPED VIA | DATE SENT | TIME SENT | COOLER #

WELL GAUGING DATA

Project # 991222-T2 Date 12/22/99 Client 204-5508-5702

Site 610 Market, 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
MW1	4	Odor				15.39	24.70	TOC
MW2	4	odor				13.40	19.30	
MW3	4	odor				13.45	19.60	

EQUIVA WELL MONITORING DATA SHEET

Project #: 991222-T2	Job # 204-5508.5702
Sampler: MT	Date: 12/22
Well I.D.: MW1	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 24.70	Depth to Water: 15.39
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: ____

6.0	X	3	=	18.0 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1035	66.0	7.0	710	>200	6	odor
1036	65.3	6.9	690	101	12	"
1037	65.6	6.9	688	97	18	"

Did well dewater? Yes (No)		Gallons actually evacuated: 18	
Sampling Time: 1042		Sampling Date: 12/22	
Sample I.D.: MW1		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 #: 991222-T2	Job # 204-5508-5702
Sampler: MF	Date: 12/22
Well I.D.: MW2	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 19.80	Depth to Water: 13.40
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 X / Extraction Pump / Other: ____

Sampling Method: Bailer Y / Extraction Port / Other: ____

4.2 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 12.6 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1020	64.9	7.0	900	70	5	Odor
1021	65.2	6.9	876	52	10	"
1022	65.1	6.8	843	40	15	"

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

Sampling Time: 1030 Sampling Date: 12/22

Sample I.D.: MW2 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/
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

Project #: 991222-T2	Job # 204-5508-5702
Sampler: MK	Date: 12/22
Well I.D.: MW3	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 19.60	Depth to Water: 13.45
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	radius^2 * 0.163

Purge Method: Bailer / Middleburg / Electric Submersible ✓ / Extraction Pump / Other: ____

Sampling Method: Bailer ✓ / Extraction Port / Other: ____

1 Case Volume (Gals.)	X	Specified Volumes	=	Calculated Volume
4	X	3	=	12 Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1046	64.2	7.0	780	171	4	odor
1047	64.6	6.8	777	143	8	"
1048	64.7	6.8	751	130	12	"

Did well dewater? Yes (No)		Gallons actually evacuated: 12	
Sampling Time: 1053		Sampling Date: 12/22	
Sample I.D.: MW3		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