CAMBRIA

ENVIRONHENTAL PROTECTION

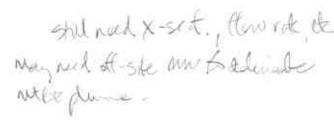
December 21, 1999

Eva Chu 99 DEC 27 PM 4: 33
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

Re:

Third Quarter 1999 Monitoring Report

Shell-branded Service Station 8930 Bancroft Avenue Oakland, California Incident #98995742 Cambria Project #241-1408-002





Dear Ms.Chu:

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 all 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.

Underground Storage Tank (UST) Removal and Repacement: On July 8, 1999, UST removal and replacement activities were initiated. Details of the UST removal and related sampling activities were presented in Cambria's Underground Storage Removal Report, dated September 29, 1999.

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

ANTICIPATED FOURTH QUARTER 1999 ACTIVITIES

Cambria Environmental Technology, Inc.

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

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

CAMBRIA

Alameda County Health Care Services Agency (ACHCSA) Letter Response: In response to ACHSCA's letter dated November 1, 1999, Cambria will perform a conduit and well survey in order to begin developing a site conceptual model for the site.

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 A. Buggle

Senior Staff Scientist

Ailsa Le May, R.G.

Senior Geologist

Figure: 1 - Ground Water Elevation Contour Map

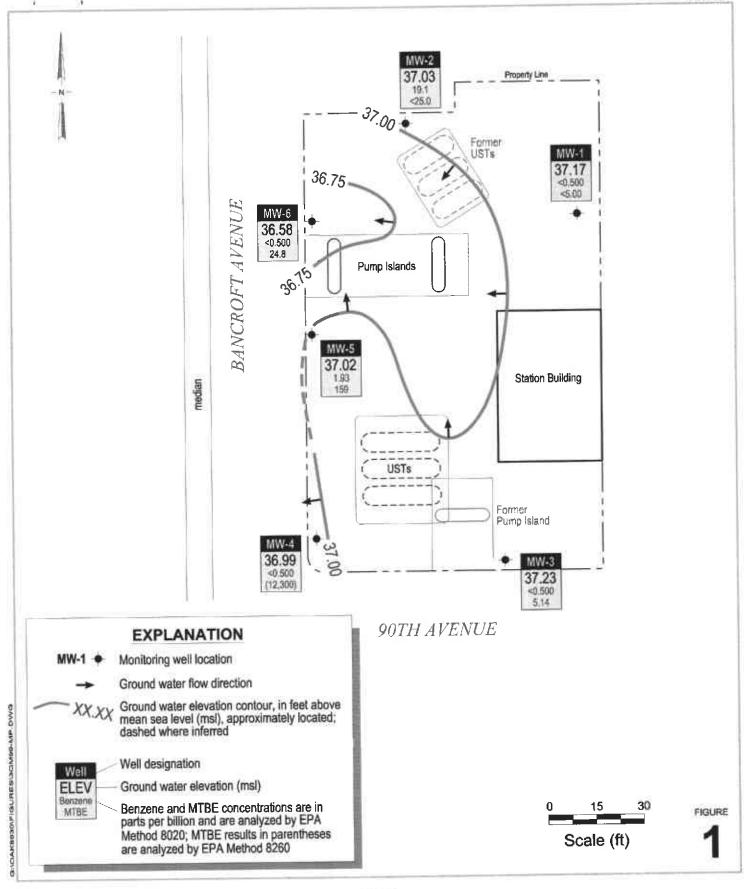
Attachment: A - Blaine Ground Water Monitoring Report and Field Notes

Karen Petryna, Equiva Services LLC, P.O. Box 7869, Burbank, California 91501-7869
 Leroy Griffin, City of Oakland Fire Department, 505 14th Street. Suite 702, Oakland,

NO. 6717

CA 94612

g:\oak8930\qm\3q99qm.doc



Shell-branded Service Station

8930 Bancroft Avenue Oakland, California Incident #98995742



Ground Water Elevation Contour Map

ATTACHMENT A

Blaine Ground Water Monitoring Report

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

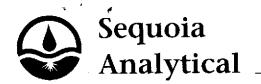
cc: Anni Kreml

Cambria Environmental Technology, Inc.

1144 65th Street, Suite C Oakland, CA 94608-2411

WELL CONCENTRATIONS Shell-branded Service Station 8930 Bancroft Avenue Oakland, CA Wic #204-5508-1305

								MTBE	MTBE		Depth to	GW
Well ID	Date	TPPH	TEPH	В	Т	E	Х	8020	8260	TOC	Water	Elevation
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(MSL)	(ft.)	(MSL)
MW-1	12/17/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	53.19	11.87	41.32
MW-1	03/09/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	53.19	8.21	44.98
MW-1	06/16/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	53.19	15.04	38,15
MW-1	09/30/1999	<50.0	NA	< 0.500	<0.500	<0.500	<0.500	<5.00	. NA	53.19	16.02	37.17
MW-2	12/17/1998	9,900	NA	<5.0	37	22	47	48	<20	52.66	11.65	41.01
MW-2	03/09/1999	2,760	NA	12,3	7.50	85.4	444	<50.0	NA	52.66	8.07	44.59
MW-2	06/16/1999	2,570	NA	36.3	11.6	6.19	10.8	<50.0	NA	52.66	14.63	38.03
MW-2	: 09/30/1999	1,960	NA	19,1	3.20	4.55	26.9	<25.0	NA	52.66	15.63	37.03
MW-3	12/17/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	10	11	51.30	11.85	39.45
MW-3	03/09/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	51.30	6.53	44.77
MW-3	06/16/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	51.30	12.71	38.59
MW-3	09/30/1999	<50.0	NA NA	<0.500	<0.500	<0.500	<0.500	5.14	NA.	51.30	14.07	37.23
		-										
MW-4	12/17/1998	700	NA	4.3	0.88	<0.50	<0.50	21,000	26,000	50.73	10.80	39.93
MW-4	03/09/1999	83.9	NA	<0.500	<0.500	<0.500	<0.500	17,900	23,700	50.73	6.91	43.82
MW-4	06/16/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	10,600	19,200	50.73	12.84	37,89
MW-4	009/30/1999	51.2	NA NA	< 0.500	<0.500	<0:500	<0.500	12,200	12,300	50.73	13.74	36.99
	1 845-55-11											
MW-5	12/17/1998	750	NA	<0.50	17	1.8	3.5	33	32	51.43	11.51	39.92
MW-5	03/09/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	51.43	7.15	44.28
MW-5	06/16/1999	646	NA	9.26	1.05	<1.00	<1.00	<10.0	NA	51.43	13.47	37.96
MW-5		484	NA II	1.93	0.511	<0.500	<0.500	159	NA.	51.43	14.41	37.02



October 18, 1999

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

RE: Equiva(2)/L910033

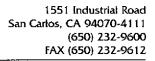
Dear Leah Davis:

Enclosed are the results of analyses for sample(s) received by the laboratory on October 1, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Wayne Stevenson Project Manager

CA ELAP Certificate Number I-2360



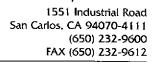


Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112 Project: Equiva(2)
Project Number: 8930 Bancroft Ave., Oakland
Project Manager: Ann Pember

Sampled: 9/30/99 Received: 10/1/99 Reported: 10/18/99

ANALYTICAL REPORT FOR L910033

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW1	L910033-01	Water	9/30/99
MW2	L910033-02	Water	9/30/99
MW3	L910033-03	Water	9/30/99
MW4	L910033-04	Water	9/30/99
MW5	L910033-05	Water	9/30/99
MW6	L910033-06	Water	9/30/99





Blaine Tech Services Project: Equiva(2) Sampled: 9/30/99
1680 Rogers Avenue Project Number: 8930 Bancroft Ave., Oakland Received: 10/1/99
San Jose, CA 95112 Project Manager: Ann Pember Reported: 10/18/99

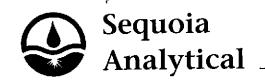
 ${\bf Sample\ Description:}$

Laboratory Sample Number:

MW1 L910033-01

	Batch	Date	Date	Specific Method/	Reporting			
Analyte	Number	Prepared	Analyzed	Surrogate Limits	Limit	Result	Units	Notes*
		Same	ia Amalustiaa	l - San Carlos				
m				- Sau Carios				
Total Purgeable Hydrocarbons (C6-C	12), BTEX an	<u>id MTBL by</u>	DHS LUFT					
Purgeable Hydrocarbons as Gasoline	9100060	10/13/99	10/14/99		50.0	ND	ug/l	
Benzene	H	11	H		0.500	ND	11	
Toluene	H	"			0.500	ND	Ħ	
Ethylbenzene	11	н	н		0.500	ND	17	
Xylenes (total)	H	11	n		0.500	ND	#T	
Methyl tert-butyl ether	H	#1	н		5.00	ND	17	
Surrogate: a,a,a-Trifluorotoluene	"	Я	"	70.0-130		103	%	





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112

Project: Equiva(2)

Sampled:

9/30/99

Project Number: 8930 Bancroft Ave., Oakland Project Manager: Ann Pember

Received: 10/1/99 10/18/99 Reported:

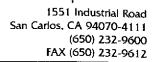
Sample Description:

Laboratory Sample Number:

MW2

L910033-02

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
		Segue	sia Analytica	I - San Carlos				
Total Purgeable Hydrocarbons (C6-C1	2). BTEX ar			- Sau Carios				
Purgeable Hydrocarbons as Gasoline	9100072	10/14/99	10/14/99		250	1960	ug/l	1
Benzene	11	17	II		2.50	19.1	н	
Toluene	71	**	11		2.50	3.20	н	
Ethylbenzene	11	Ħ	H		2.50	4.55	"	
Xylenes (total)	Ħ	н	"		2.50	26.9	41	
Methyl tert-butyl ether	н	11	**		25.0	ND	11	
Surrogate: a,a,a-Trifluorotoluene	If	"	"	70.0-130		109	%	





Blaine Tech Services	Project:	Equiva(2)	Sampled:	9/30/99
1680 Rogers Avenue	Project Number:	8930 Bancroft Ave., Oakland	Received:	10/1/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported:	10/18/99

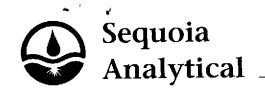
Sample Description:

Laboratory Sample Number:

MW3 L910033-03

				2 12 14 1		-		
	Batch	Date	Date	Specific Method/	Reporting			
Analyte	Number	Prepared	Analyzed	Surrogate Limits	Limit	Result	Units	Notes*
		Sequo	ia Analytica	l - San Carlos				
Total Purgeable Hydrocarbons (C6-C)	12), BTEX ar	d MTBE by	DHS LUFT					
Purgeable Hydrocarbons as Gasoline	9100073	10/14/99	10/14/99		50.0	ND	ug/l	
Benzene	Ħ	ii.	91		0.500	ND	19	
Toluene	**	tr .	#		0.500	ND	IF	
Ethylbenzene	н	#	41		0.500	ND	tt.	
Xylenes (total)	Ħ	н	#		0.500	ND	11	
Methyl tert-butyl ether	Ħ	H.	11		5.00	5.14	H	
Surrogate: a,a,a-Trifluorotoluene	II .	"	r	70.0-130		78.6	%	

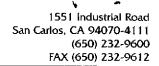




Blaine Tech Services Project: Equiva(2) Sampled: 9/30/99
1680 Rogers Avenue Project Number: 8930 Bancroft Ave., Oakland Received: 10/1/99
San Jose, CA 95112 Project Manager: Ann Pember Reported: 10/18/99

Sample Description: Laboratory Sample Number: MW4 L910033-04

	Batch	Date	Date	Specific Method/	Reporting			
Analyte	Number	Prepared	Analyzed	Surrogate Limits	Limit	Result	Units	Notes*
		_	-					
				l - San Carlos				
Total Purgeable Hydrocarbons (C6-C1	2), BTEX an	d MTBE by	DHS LUFT					
Purgeable Hydrocarbons as Gasoline	9100060	10/13/99	10/14/99		50.0	51.2	ug/l	2
Benzene	н	11	4		0.500	ND	67	
Toluene	11	. 10	11		0.500	ND	Ħ	
Ethylbenzene	**	Ħ	#		0.500	ND	77	
Xylenes (total)	te	н	**		0.500	ND	п	
Methyl tert-butyl ether	9100073	10/14/99	44		1000	12200	11	
Surrogate: a,a,a-Trifluorotoluene	9100060	10/13/99	H	70.0-130		100	%	
MTBE by EPA Method 8260A								
Methyl tert-butyl ether	9100049	10/15/99	10/15/99		20.0	12300	ug/l	
Surrogate: 1,2-Dichloroethane-d4	"	"	71	70.0-121		100	%	





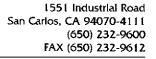
Blaine Tech Services	Project:	Equiva(2)	Sampled:	9/30/99	
1680 Rogers Avenue	Project Number:	8930 Bancroft Ave., Oakland	Received:	10/1/99	
San Jose, CA 95112	Project Manager:	Ann Pember	Reported:	10/18/99	

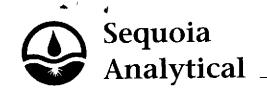
Sample Description:

Laboratory Sample Number:

MW5 L910033-05

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
		Sequo	ia Analytical	- San Carlos				
Total Purgeable Hydrocarbons (C6-C1	2), BTEX an	d MTBE by	DHS LUFT					
Purgeable Hydrocarbons as Gasoline	9100073	10/14/99	10/14/99		50.0	484	ug/l	3
Benzene	n	н	Ħ		0.500	1.93	н	
Toluene	**	н	11		0.500	0.511	H	
Ethylbenzene	71	**	11		0.500	ND	i1	
Xylenes (total)	n	Ħ	#		0.500	ND	н	
Methyl tert-butyl ether	Ħ	н	11		5.00	159	н	
Surrogate: a,a,a-Trifluorotoluene	"	"	11	70.0-130		78.7	%	





Blaine Tech Services 1680 Rogers Avenue Project: Equiva(2)

Sampled: 9/30/99

San Jose, CA 95112

Project Number: Project Manager: Ann Pember

8930 Bancroft Ave., Oakland

Received: 10/1/99 Reported:

10/18/99

Sample Description:

Laboratory Sample Number:

MW6 L910033-06

	Batch	Date	Date	Specific Method/	Reporting			•
Analyte	Number	Prepared	Analyzed	Surrogate Limits	Limit	Result	Units	Notes*
		Sequo	ia Analytica	- San Carlos				
Total Purgeable Hydrocarbons (C6-C1	2), BTEX ar	d MTBE by	DHS LUFT					
Purgeable Hydrocarbons as Gasoline	9100073	10/14/99	10/14/99		50.0	80.2	ug/l	2
Benzene	31	H*	lt.		0.500	ND	Ħ	
Toluene	91	17	Ħ		0.500	ND	н	
Ethylbenzene	tı	17	If		0.500	ND	#1	
Xylenes (total)	#1	Ħ	D		0.500	ND.	н	
Methyl tert-butyl ether	11	н	Ħ		5.00	24.8	**	
Surrogate: a,a,a-Trifluorotoluene	n	II .	rr .	70.0-130		70.8	%	





Blaine Tech Services Project: Equiva(2) Sampled: 9/30/99
1680 Rogers Avenue Project Number: 8930 Bancroft Ave., Oakland Received: 10/1/99
San Jose, CA 95112 Project Manager: Ann Pember Reported: 10/18/99

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control Sequoia Analytical - San Carlos

	Date	Spike	Sample	QC	<u> </u>	Reporting Limit	Recov.	RPD	RPD	
Analyte	Analyzed	Level	Result	Result	Units	Recov. Limits	%	Limit	%	Notes*
Batch: 9100060	Date Prepa		<u> 199</u>		Extrac	tion Method: EP	A 5030B	[P/T]		
<u>Blank</u>	<u>9100060-BI</u>	<u>LK1</u>								
Purgeable Hydrocarbons as Gasoline	10/13/99			ND	ug/l	50.0				
Benzene	Ħ			ND	11	0.500				
Toluene	11			ND	ır	0.500				
Ethylbenzene	11			ND	17	0.500				
Xylenes (total)	#			ND	н	0.500				
Methyl tert-butyl ether	*1			ND	н	5.00				
Surrogate: a,a,a-Trifluorotoluene	ri .	10.0		9.86	ff.	70.0-130	98.6			
LCS	9100060-BS	<u>S1</u>								
Benzene	10/13/99	10.0		8.44	ug/l	70.0-130	84.4			
Toluene	н	10.0		8.24	Ħ	70.0-130	82.4			
Ethylbenzene	51	10.0		8.30	**	70.0-130	83.0			
Xylenes (total)	41	30.0		24.9	н	70.0-130	83.0			
Surrogate: a,a,a-Trifluorotoluene	11	10.0		9.58	#	70.0-130	95.8		,	,
L <u>CS</u>	9100060-B5	S2								
Purgeable Hydrocarbons as Gasoline	10/13/99	250		196	ug/l	70.0-130	78.4			
Surrogate: a,a,a-Trifluorotoluene	п	10.0		6.47	"	70.0-130	64.7			·
Matrix Spike	9100060-M	S1 L9	910028-01							
Purgeable Hydrocarbons as Gasoline	10/13/99	250	ND	225	ug/l	60.0-140	90.0			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		8.14	"	70.0-130	81.4			
Matrix Spike Dup	9100060-M	SD1 L9	91002 <u>8-01</u>							
Purgeable Hydrocarbons as Gasoline	10/13/99	250	ND	239	ug/l	60.0-140	95.6	25.0	6.03	
Surrogate: a,a,a-Trifluorotoluene	"	10.0		7.71	"	70.0-130	77.1			
Batch: 9100072	Date Prepa	red: 10/14	/ <u>99</u>		Extrac	tion Method: EP	A 5030B	[P/T]		
Blank	9100072-Bl	L <u>K1</u>								
Purgeable Hydrocarbons as Gasoline	10/14/99			ND	ug/l	50.0				
Benzene	ŧT .			ND	н _	0.500				
Toluene	**			ND		0.500				
Ethylbenzene	II			ND	ti	0.500				
Xylenes (total)	17			ND	#1	0.500				
Methyl tert-butyl ether	11			ND	11	5.00				
Surrogate: a,a,a-Trifluorotoluene	"	10.0		9.06	"	70.0-130	90.6			
LCS	9100072-B5	S1								
Benzene	10/14/99	10.0		7.77	ug/l	70.0-130	77.7			
Toluene	11	10.0		7.72	11	70.0-130	77.2			
						lafar to and of romos	^	-		

Sequoia Analytical - San Carlos

*Refer to end of report for text of notes and definitions.

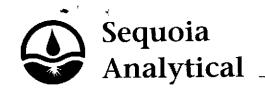
RPD

Limit

% Notes*

Reporting Limit Recov.

Recov. Limits



Analyte

Date

Analyzed

Spike

Level

Blaine Tech Services	Project:	Equiva(2)	Sampled:	9/30/99
1680 Rogers Avenue	Project Number:	8930 Bancroft Ave., Oakland	Received:	10/1/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported:	10/18/99

Sample

Result

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control Sequola Analytical - San Carlos

QC

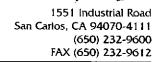
Units

Result

LCS (continued)	9100072-BS1	<u>[</u>							
Ethylbenzene	10/14/99	10.0		7.83	ug/l	70.0-130	78.3		
Xylenes (total)	**	30.0		23.3	!!	70.0-130	77.7		
Surrogate: a,a,a-Trifluorotoluene	"	10.0	·	8.46	**	70.0-130	84.6		
LCS	9100072-BS2	2							
Purgeable Hydrocarbons as Gasoline	10/14/99	250		251	ug/l	70.0-130	100		
Surrogate: a,a,a-Trifluorotoluene	<i>n</i>	10.0		7.83	"	70.0-130	78.3		
Matrix Spike	9100072-MS	1 L91	0032-05						
Benzene	10/14/99	10.0	ND	8.47	ug/l	60.0-140	84.7		
Toluene	11	10.0	ND	8.24	"	60.0-140	82.4		
Ethylbenzene	н	10.0	ND	8.46	H	60.0-140	84.6		
Xylenes (total)	н	30.0	ND	25.1	н	60.0-140	83.7		
Surrogate: a,a,a-Trifluorotoluene	n	10.0	110	8.14	н	70.0-130	81.4		
-	9100072-MS	D1 TA1	0032-0 <u>5</u>						
Matrix Spike Dup	10/15/99	10.0	ND	8.56	ug/l	60.0-140	85.6	25.0	1.06
Benzene	10/15/99	10.0	ND ND	8.28	n≅∖ı	60.0-140	82.8	25.0	0.484
Toluene		10.0	ND ND	8.55	11	60.0-140	85.5	25.0	1.06
Ethylbenzene				8.55 25.4	11	60.0-140	84.7	25.0	1.19
Xylenes (total)	"	30.0	ND_	8.28	n .	70.0-130	82.8	23.0	****
Surrogate: a,a,a-Trifluorotoluene		10.0		0.20		70.0-130	02.0		
Batch: 9100073	Date Prepare		<u>9</u>		Extraction Method: EPA 5030B [P/T]				
<u>Blank</u>	9100073-BL	<u>K1</u>							
Purgeable Hydrocarbons as Gasoline	10/14/99			ND	ug/l	50.0			
Benzene	11			ND	11	0.500			
Toluene	11			ND	PT	0.500			
Ethylbenzene	ii .			ND	11	0.500			
Xylenes (total)	11			ND	**	0.500			
Methyl tert-butyl ether	11			ND	**	5.00			
Surrogate: a,a,a-Trifluorotoluene	n	10.0		8.74	н	70.0-130	87.4		
_ ,	9100073-BS			8.74	H	70.0-130	87.4		
_ ,				8.74 8.00	" ug/l	70.0-130 70.0-130	87.4 80.0		
LCS	9100073-BS	<u>1</u>					80.0 75.1		
LCS Benzene Toluene	9100073-BS 10/14/99	<u>1</u> 10.0		8.00	ug/l	70.0-130	80.0		
Benzene Toluene Ethylbenzene	9100073-BS 10/14/99	10.0 10.0 10.0		8.00 7.51	ug/l	70.0-130 70.0-130	80.0 75.1		
LCS Benzene Toluene	9100073-BS 10/14/99	10.0 10.0		8.00 7.51 7.67	ug/l	70.0-130 70.0-130 70.0-130	80.0 75.1 76.7		
LCS Benzene Toluene Ethylbenzene Xylenes (total) Surrogate: a,a,a-Trifluorotoluene	9100073-BS 10/14/99 "	10.0 10.0 10.0 30.0 10.0		8.00 7.51 7.67 22.5	ug/l "	70.0-130 70.0-130 70.0-130 70.0-130	80.0 75.1 76.7 75.0		
LCS Benzene Toluene Ethylbenzene Xylenes (total)	9100073-BS 10/14/99 "	10.0 10.0 10.0 30.0 10.0		8.00 7.51 7.67 22.5	ug/l "	70.0-130 70.0-130 70.0-130 70.0-130	80.0 75.1 76.7 75.0		

Sequoia Analytical - San Carlos

*Refer to end of report for text of notes and definitions.

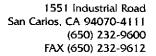


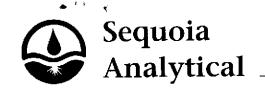


Blaine Tech Services	Project:	Equiva(2)	Sampled:	9/30/99
1680 Rogers Avenue	Project Number:	8930 Bancroft Ave., Oakland	Received:	10/1/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported:	10/18/99

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control Sequola Analytical - San Carlos

	Date	Spike	Sample	QC		Reporting Limit	Recov.	RPD	RPD	
Analyte	Analyzed	Level	Result	Result	Units	Recov. Limits	%	Limit	<u>%</u>	Notes*
LCS (continued)	9100073-BS	<u>32</u>								
Surrogate: a,a,a-Trifluorotoluene	10/14/99	10.0		8.40	ug/l	70.0-130	84.0			-
Matrix Spike	9100073-M	<u>S1 L9</u>	910033-03							
Benzene	10/15/99	10.0	ND	7.83	ug/l	60.0-140	78.3			
Toluene	11	10.0	ND	7.51	H	60.0-140	75.1			
Ethylbenzene	11	10.0	ND	7.56	Ħ	60.0-140	75.6			
Xylenes (total)	H	30.0	ND	22.1	н	60.0-140	73.7			
Surrogate: a,a,a-Trifluorotoluene	n	10.0		8.35	H	70.0-130	83.5			
Matrix Spike Dup	9100073-M	SD1 L	910033 <u>-03</u>							
Benzene	10/15/99	10.0	ND	7.14	ug/l	60.0-140	71.4	25.0	9.22	
Toluene	11	10.0	ND	6.84	"	60.0-140	68.4	25.0	9.34	
Ethylbenzene	*1	10.0	ND	6.97	11	60.0-140	69.7	25.0	8.12	
Xylenes (total)	11	30.0	ND	20.1	tt.	60.0-140	67.0	25.0	9.52	
Surrogate: a,a,a-Trifluorotoluene	"	10.0		7.72	"	70.0-130	77.2			





Blaine Tech Services Project: Equiva(2) Sampled: 9/30/99
1680 Rogers Avenue Project Number: 8930 Bancroft Ave., Oakland Received: 10/1/99
San Jose, CA 95112 Project Manager: Ann Pember Reported: 10/18/99

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

F	Date	Spike	Sample	QC		Reporting Limit	Recov.	RPD	RPD	
Analyte	Analyzed	Level	Result	Result	Units	Recov. Limits	%	Limit	%	Notes*
							. =0400	CD CD1		
Batch: 9100049		Date Prepared: 10/11/99				tion Method: EP.	A 5030B	<u> P/11</u>		
Blank	<u>9100049-BI</u>	<u>.K1</u>								
Methyl tert-butyl ether	10/11/99			ND	ug/l	0.500				
Surrogate: 1,2-Dichloroethane-d4	Ħ	50.0		47.2	"	76.0-114	94.4			
<u>Blank</u>	9100049-BL	<u>K2</u>								
Methyl tert-butyl ether	10/15/99		_	ND	ug/l	2.00				
Surrogate: 1,2-Dichloroethane-d4	ff	50.0		48.0	H	76.0-114	96.0			
LCS	9100049-BS	<u>:1</u>								
Methyl tert-butyl ether	10/11/99	50.0		38.6	ug/l	70.0-130	77.2			
Surrogate: 1,2-Dichloroethane-d4	n	50.0		49.5	Ħ	76.0-114	99.0			
LCS	9100049-BS	<u> 2</u>								
Methyl tert-butyl ether	10/15/99	50.0		43.9	ug/l	70.0-130	87.8			
Surrogate: 1,2-Dichloroethane-d4	#	50.0		47.8	n	76.0-114	95.6			
Matrix Spike	9100049-M	<u>S1 L</u>	910072-08							
Methyl tert-butyl ether	10/11/99	50.0	35.0	67.5	ug/l	60.0-140	65.0			
Surrogate: 1,2-Dichloroethane-d4	н	50.0		48.4	n	76.0-114	96.8			
Matrix Spike Dup	9100049-M	SD1 L	910072-08							
Methyl tert-butyl ether	10/11/99	50.0	35.0	68.6	ug/l	60.0-140	67.2	25.0	3.33	
Surrogate: 1,2-Dichloroethane-d4	п	50.0		48.1	#	76.0-114	96.2			



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

Blaine Tech Services	Project:	Equiva(2)	Sampled:	9/30/99
1680 Rogers Avenue	Project Number:	8930 Bancroft Ave., Oakland	Received:	10/1/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported:	10/18/99

Notes and Definitions

#	Note
1	Chromatogram Pattern: Gasoline C6-C12
2	Chromatogram Pattern: Unidentified Hydrocarbons C6-C12
3	Chromatogram Pattern: Weathered Gasoline 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

TRUE SEBVICES	AUFORNIA 95112-1105 FAX (408) 573-7771	ļ	CONDUC	TANA	LYSIS TO	DETECT	HAR SZZ CATA
CHAIN OF CUSTODY CLIENT Equiva - Karen Petryna SITE 8930 Bancroft Ave. Oakland, CA MATRIX	ITE ALL CONTAINERS	XXXX TPH - gas, BTEX	MTBE by 8260	TPH - diesel	91		ALL AMALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMIT ALL AMALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMIT BEPA CHAR CH
MPLING DATE TIME SAMPLING PERFORM O9-30-9114:40 PERFORM EASED BY EASED BY FASED BY PED VIA	DATE ONE DATE ONE DATE ONE DATE DAT	TIME	7:50	PRE	ECEIVED COEIVED	BY	RESULTS NEEDED NO LATER THAN STANDAYCO DATE TIME 10/199 9:20 DATE TIME 10/199 1050

WELL GAUGING DATA

Project # 990930-LZ Date	9-30-99	lient Shell
A TOTAL TO	en jarre de la Maria III de la Appendiente de la competition della	
Site 8930 Bancroft	Ave Oak	land CA

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Remoyed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-I	3					16.02	16.74	Toc	
Mw-Z	3					15.163	19.15		
Mov:-3	3			and the second control of the	al Legiting	14.07	19.72		Control of the State of the Sta
MW-4	3	t more surject Which the Johnson		को का कि महिलातीक होते हैं द्वारा है है है है है है		13.74	19.69		patikana in panjibera i
MW-5	3	Callent confide intolling		· 阿尔克·克尔克·克尔克·克尔克尔克·	ાનુવામાં અન્યાસ્ટ અને અને કેન્દ્ર કેન્દ્ર કરાય છે. સ	14.41	19.73		
MW-6	4.5		and the second sections in the second section in the section in the second section in the section in the second section in the section in the second section in the second section in the	tani ili karita di Tanangangan pada di Ka	्रकृतकार क्षेत्रक है। इसमें श ्कार क्षेत्रकार	15.20	19.96		
	· · · · · · · · · · · · · · · · · · ·	Addition for the second		e managhan na milan ma	र्टन (कार असर) है है है ने स्वरूप का किसी है।				
	an interest in a case of		Third the stand of the standard of the standar	संक्र केर की क्षेत्र हुन्य समझ्ये का केरण	en er en	e tana ang kang diang diang a		tring of the second second	
t e petiteix ven en en		Produce attribute and an experience of the second	and the second s	na principa and marin			adioantis iliyada daga sakar ati sada s		
iz ne institute produce de la compania de la compa		est get en light eine skepte.	is television of the production	eli provinci pre na super proposici.	arting particle palabolists				
ાં તમાર અને સંસ્કૃતિ હતા જોવાં છ	an garagan da a sa malayan d	en entre les espections fillers	and a property of the second of		mentapasa a salmay ara atropita	talog i vita settem i na postanit kilo i seguino e		Right Royal Street Bridge	
Tu 194 updabestus (ay Sym Ar San a sym	i jewi izwie z o zeowe	म्बर इत्रहे सम्बद्धाः है।	নাজ্যা মনুক্ষণ কা সভাত স	erter tyr tyri i sine i travy razir je je star	न्द्रक अन्तर । कार्या स्वर्माह्न संस्कृतिस्वर्मान्यस्य	Santana Memilik ya Seni Keliki	on the control of the second o	e ikin ingan salat salat s
i gormada yai dala rigsiy	er gjager y de Wijer en en sye.	organist plantage	generalis gravitation values e	na nga Salaman Kina a da j	ty in early a to greate a	e rang na nadignah falisip anthus Tang			National St. Inches
AUTOMORPHIC PROPERTY			ASSOCIATION SECTION		क्षमञ्ज १८४४) - हालांच प्रश्न वर्षे				
To the equipment of the	, last serverses	क - इस समाय हर न्यू	oten e serin e la companya	, respectively dispersion of the	kijasti iki ja 12. lietu, iki daesi	y a napanta, herijah napab bayan b	nagrikan in telapa dipangkangan	<u>,, v. soo, es asve</u>	ozalija, ki ki judili
	8 . 1 9 1 1 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	e ser per Serv	over the light	Silver Complete	1	e The surface of the control of the ex-			algo ga gwarago (1900 - 1
	en grande de la companya de la comp			a targana ji daja					na nga gurun arawa

Project #:	990	93 <u>0</u> -	-1-7	Job# 20	94 - 5508	-1305
Sampler:	La	1/50	sh	Data	3-30-99	
Well I.D.	: <u>//</u> \	/ W - Ì →		Well Diameter	_	6 8
Total We	ll Depth:	1	16.74	Depth to Wate	r: 16.02	
Depth to	Free Prod	uct:	Q .	Thickness of F	ree Product (fe	et):
Reference	ed to:	PVC) Grade	D.O. Meter (if	req'd):	YSI HACH
Purge Metho	Well Diame 2° 3° 4"	(Bailer)	Multiplier 0.16 0.37 0.65	5" 6"	Multiplier 1.02 1.47 us ² • 0.163	
Middleburg Extraction Port Electric Submersible Other: Extraction Pump Other:						
	1 Case Vol	ume (Gals.)	XSpecified Vo	=	Gals.	
Time	Temp (°F)	pН	Cond.	Turbidity	Gals. Removed	Observations
13:55	70.7	6,5	409	X7200	0.5	
1356	<u>Dewad</u>	ered C	D .5 gar	\		
H24	Drw	@ 16.	03			
1425	71.5	5.6	487.	7200,		
Did well o	lewater? (Yes	No	Gallons actuall	y evacuated:	0.5
Sampling	Time:	6 14	76	Sampling Date	: <u>09-30</u>	-99
Sample I.I	D.: <u>/</u>	NW-1		Laboratory: (Sequoia BC	Other
Analyzed	for: 7PH-	G (STEX)	MTBE TPH-D	Other:		
D.O. (if re	eq'd):		Pre-purge:	$^{ m mg}\!/_{ m L}$	Post-purge:	^{mg} / _L .
O.R.P. (if	req'd):		Pre-purge:	mV	Post-purge:	mV

1				1 .		1				
Project #:	990	930-	12	Job# 2 č	24-5508	<u>- 1302</u>				
Sampler:	Lad	150	<u>5</u> L	Date: 09	-30-99					
Well I.D.	: ^^	1 W - 2		Well Diameter	r: 2 3 4	6 8				
Total We	ll Depth:	19	5	Depth to Wate	er: 15.63					
Depth to	Free Produ	uct:		Thickness of Free Product (feet):						
Reference	ed to:	PVC	Grade	D.O. Meter (if	rea'd):	YSI	НАСН			
	Well Diame		Multiplier	Well Diameter	Multiplier					
	2" 3"		0.16 0.37	5" 6"	1.02					
	4"		0.65	=	1.47 ius ² * 0.163					
Purge Metho	nd•	Bailer								
Purge Menic	ou:			Sampling Method						
	Til.	Middleburg ctric Submers		0.1	Extraction Port					
in to				Other	:	•				
2		Extraction Pun	пр							
£	Other:						· ·			
	1,_	ጌ	W							
	· 	ume (Gals.)	XSpecified Vo	=	Gals.					
		(Gais.)	openied to	numes ca	T TOTAL					
Time	Temp (°F)	pН	Cond.	Turbidity	Gals. Removed	Obs	ervations			
1430	69.3	6.6	490.	2000	2,					
1433	68.9	6.8	450.	7206 X	3,		:			
1438	68.7	6.7	412.	>290	4.	Scow R	ECHARGE			
				71						
Did well o	dewater?	Yes (No)	Gallons actuall	ly evacuated:	4.				
<u> </u>			~							
Sampling	I ime:	1440	<u> </u>	Sampling Date: 09-30-99						
Sample I.	D.: M	w-2		Laboratory: (Sequoia BC	Other_				
Analyzed	for: TPH-	G) (STEX)	MTBE) TPH-D	Other:						
D.O. (if re	eq'd):		Pre-purge:	" mg/L	Post-purge:		mg/L			
O.R.P. (if	req'd):		Pre-purge:	mV	Post-purge:		mV			

Project #:	990	930-	L 2	Job# 20	4-5508-	1305
Sampler:	Lac	L / Jo	5	Date: 09	-30-99	
Well I.D.	: /	<u> </u>	۵	Well Diameter	: 2 3 4	6 8
Total We	ll Depth:	10	1.72	Depth to Wate	r: 14,07	
Depth to	Free Prod	uct:	y ##	Thickness of F	ree Product (fe	et):
Reference	ed to:	PVC	Grade	D.O. Meter (if	req'd):	YSI HACH
Well Diameter Multiplier W			5" 6"	Multiplier 1.02 1.47 us² • 0.163		
		Middleburg ectric Submers extraction Pure		Other:	Extraction Port	
	1 Case Vol	ume (Gals.)	x Specified Vo		Gals.	
Time	Temp (°F)	pН	Cond.	Turbidity	Gals. Removed	Observations
1328	73.9	6.2	606.	Z>Z00	3	ODOR
1332	70.9	6.4	674.	8 > 200	5,	
1341	70,9	6.6	621.	7>200	7.	SLOW RECFARGE
				,		
Did well o	lewater?	Yes (No	Gallons actuall	y evacuated:	7.
Sampling	Time:	344		Sampling Date:	09-30	-99
Sample I.I	D.: /	nw-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

Project #: 990930 - LZ				Job# 204-5508-1305				
Sampler: Lad / Josh				Date: 09-30-99				
Well I.D.:				Well Diameter: 2 3 4 6 8				
Total Well Depth: 19.69				Depth to Water: 13.74				
Depth to	Depth to Free Product:				Thickness of Free Product (feet):			
Reference	ed to:	(evc) Grade	D.O. Meter (if req'd): YSI HACH				
D. Mad				Well Diameter 5" 6" Other radi	Multiplier 1.02 1.47 ius ² * 0.163			
Purge Method: Middleburg Electric Submersible Extraction Pump Other:				Sampling Method: Bailer + Extraction Port Other:				
	2 ,	Z ume (Gals.)	XSpecified Vo	= Dlumes Cal	Gals. culated Volume			
Time	Temp (°F)	pН	Cond.	Turbidity	Gals. Removed	Observations		
1310	76.0	6,6	530,	7200,	3,	·		
1312	76.5	6.6	482.	7200,	5,			
1318	75.4	6.7	483	>200,	7.	SLOW RECHARGE		
Did well dewater? Yes				Gallons actually evacuated: 7				
Sampling Time: 326			Sampling Date: 09-30-99					
Sample I.	D.: 🔨	w-4		Laboratory:	Sequoia BC	Other		
Analyzed	for: TPH-	G BTEX	MTBE TPH-D	Other:				
D.O. (if req'd):		Pre-purge:	mg/L	Post-purge:	wg/f			
O.R.P. (if req'd);		Pre-purge:	mV	Post-purge:	mV			

Project #: 990930-L2				Job# 204-5508-1305			
Sampler! Lad / Josh				Date: 09-30-99			
Well I.D.: MW - 5				Well Diameter: 2 (3) 4 6 8			
Total Well Depth: 19.73				Depth to Water: 14.41			
Depth to Free Product:				Thickness of Free Product (feet):			
Reference	ed to:	PVC	Grade	D.O. Meter (if req'd): YSI HACH			
Purge Method: Well Diameter 9.16 3" 0.37 4" Bailer Middleburg Electric Submersible Extraction Pump Other:			Well Diameter 5* 1.02 6* 1.47 Other radius²* 0.163 Sampling Method: Bailer Extraction Port Other:				
	1 Case Volume (Gals.) Specified Volumes Calculated Volume						
Time	Temp (°F)	pН	Cond.	Turbidity	Gals. Removed	Observations	
1416	70.8	6.6	367	7209/2	2.	i.'	
1418	70.8	6.6	365,	>2002	4.		
1422	71.8	6.8	360.	7200 X	6.	Slow RECHARGE	
						·	
				**			
Did well dewater? Yes পিট			Gallons actually evacuated: 6,				
Sampling Time: 14-24			Sampling Date: 09-30-99				
Sample I.D.: Mw-5			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	

						·			
Project #: 990930~L2				Job# 204-5508-1305					
Sampler: Lad / Jash				Date: 09-30-99					
Well I.D.: Nw-6					Well Diameter: 2 (3) 4 6 8				
Total Well Depth: \9.96				Depth to Wat	Depth to Water: 15.30				
Depth to	Free Prod			Thickness of Free Product (feet):					
Referenc	ed to:	PVC	Grade	D.O. Meter (i	D.O. Meter (if req'd): YSI HACH				
	Well Diam	<u>eter</u>	Multiplier	Well Diameter	Multiplier	TOI HA	<u> П</u>		
	2"		0.16	5"	1.02	'			
•	3" 0.37 4" 0.65			6" 1.47 * Other radius ² * 0.163					
Purge Meth	od:	Bailer	V.05	B					
i arge mem	ou.		,	Sampling Method	l: Bailer				
		Middleburg			Extraction Port				
		ectric Submer	· ·	Other	•	_			
		Extraction Pur	пр	•					
	Other								
	, _	7	77						
	1 Case Vo	lume (Gals.)	X	=	Gals.				
	1 Case VO	tume (Gais.)	Specified V	olumes Ca	lculated Volume				
Time	Temp (°F)	pН	Cond.	Turbidity	Gals. Removed	Observati	ons		
14:00	72.5	6.5	535.	2720	2	odno			
1404	70,6	6.8	502,	47200	4				
1412	70.1	6.7	488,	6720	0 6	SLOW RECT	HR6K		
			· · · · · · · · · · · · · · · · · · ·						
			*						
Did well d	lewater?	Yes:	₹®)	Gallons actuall	y evacuated:	6.			
0 1: 7:				Sampling Date: 09-30-99					
Sample I.D.: Mw & La				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		
					× •		1		