0H
STID 454

CAMBRIA

October 8, 1999

Mr. Tom Peacock
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **Third Quarter 1999 Monitoring Report**
Former Shell Service Station
2703 Martin Luther King Jr. Way
Oakland, California
Incident #97093397
Cambria Project #241-0781-002

Dear Mr. Peacock:

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 site location map (Figure 1) and ground water elevation contour map (Figure 2). The Blaine report, presenting the laboratory report and including supporting field documents, is included as Attachment A.

Corrective Action Plan (CAP) Request: Cambria received a letter from the Alameda County Health Care Services Agency (ACHCSA) dated September 23, 1999 requesting submittal of a CAP which would include an assessment of impacts, a feasibility study, and applicable cleanup levels.

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.

CAP Request: Cambria will proceed to meet the request for a CAP made by the ACHCSA in September, 1999.

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 A. Buggle
Senior Staff Scientist

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

Figure: 1 - Site Location Map
2 - Ground Water Elevation Contour Map
Attachment: A - Blaine Ground Water Monitoring Report and Field Notes

cc: Karen Petryna, Equiva Services LLC, P.O. Box 6249, Carson, California 90749-6249
Matthew Dudley, Burnham and Brown, 1901 Harrison Street, Oakland, California 94612

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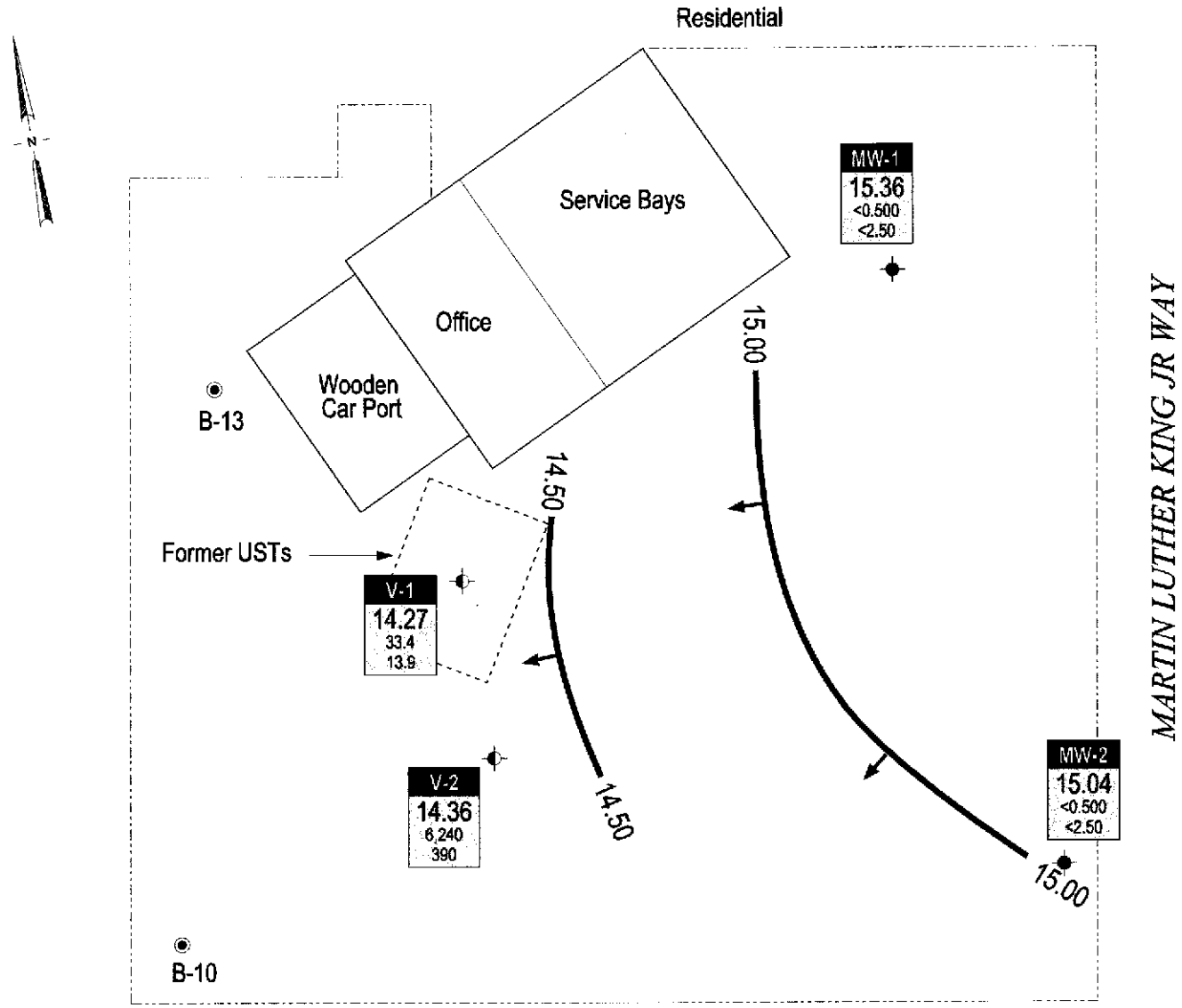

EXPLANATION

- **MW-1** — Monitoring well location
- **V-1** — Soil vapor well location
- **B-10** — Soil boring location
- Ground water flow direction
- XX.XX — Ground water elevation contour, in feet above mean sea level (msl); dashed where inferred
- Well — Well designation
- ELEV — Ground water elevation (msl)
- Benzene / MTBE — Benzene and MTBE concentrations are in parts per billion (ppb)

0 10 20

Scale (ft)

FIGURE

1

G:\OAK2703\FIGURES\3QM99-MP.DWG

Former Shell Service Station
2703 Martin Luther King, Jr. Way
Oakland, California
Incident #97093397

CAMBRIA

Grond Water Elevation Contour Map

August 23, 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

September 25, 1999

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

Third Quarter 1999 Groundwater Monitoring at
Shell-branded Service Station
2703 Martin Luther King Jr. Way
Oakland, CA

Monitoring performed on August 23, 1999

Groundwater Monitoring Report **990823-S-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, apprioriate 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/mt

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
2703 Martin Luther King Way
Oakland, CA
Wic #204-5508-1701

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)	SPH Thickness (ft.)
MW-1 (B-11)	08/02/1996	NA	NA	NA	NA	NA	NA	NA	23.53	NA	NA	NA
MW-1 (B-11)	08/05/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	23.53	8.76	14.77	0.00
MW-1 (B-11) (D)	08/05/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	23.53	NA	NA	NA
MW-1 (B-11)	10/17/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	23.53	9.88	13.65	0.00
MW-1 (B-11)	01/08/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	23.53	6.82	16.71	0.00
MW-1 (B-11)	04/07/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	23.53	7.89	15.64	0.00
MW-1 (B-11)	07/02/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	23.53	8.71	14.82	0.00
MW-1 (B-11)	10/24/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	23.53	9.26	14.27	0.00
MW-1 (B-11)	01/09/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	23.53	7.94	15.59	0.00
MW-1 (B-11)	04/02/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	23.53	7.21	16.32	0.00
MW-1 (B-11)	07/14/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	23.53	7.78	15.75	0.00
MW-1 (B-11)	10/01/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	23.53	8.39	15.14	0.00
MW-1 (B-11)	01/18/1999	<50.0	<0.500	0.785	<0.500	<0.500	2.36	NA	23.53	8.28	15.25	0.00
MW-1 (B-11)	04/29/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	23.53	8.41	15.12	0.00
MW-1 (B-11)	08/23/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	23.53	8.17	15.36	0.00

MW-2 (B-12)*	07/17/1996	<50	<0.50	0.69	<0.50	<0.50	<2.5	NA	22.47	NA	NA	NA
MW-2 (B-12)*	08/05/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	22.47	8.35	14.12	0.00
MW-2 (B-12)*	10/17/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	22.47	9.32	13.15	0.00
MW-2 (B-12) (D)*	10/17/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	22.47	NA	NA	NA
MW-2 (B-12)*	01/08/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	22.47	6.80	15.67	0.00
MW-2 (B-12) (D)*	01/08/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	22.47	NA	NA	NA
MW-2 (B-12)*	04/07/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	22.47	7.81	14.66	0.00
MW-2 (B-12)*	07/02/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	22.47	8.27	14.20	0.00
MW-2 (B-12)*	10/24/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	22.47	9.12	13.35	0.00

WELL CONCENTRATIONS
Shell-branded Service Station
2703 Martin Luther King Way
Oakland, CA
Wic #204-5508-1701

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)	SPH Thickness (ft.)
MW-2 (B-12)*	01/09/1998	<50	<0.50	<0.50	<0.50	<0.50	6.3	NA	22.47	7.41	15.06	0.00
MW-2 (B-12)*	04/02/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	22.47	6.59	15.88	0.00
MW-2 (B-12)*	07/14/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	22.47	7.49	14.98	0.00
MW-2 (B-12)*	10/01/1998	<50	<0.50	<0.50	<0.50	0.59	<2.5	NA	22.47	8.58	13.89	0.00
MW-2 (B-12)*	01/18/1999	<50.0	<0.500	0.971	<0.500	<0.500	2.47	NA	22.47	8.68	13.79	0.00
MW-2 (B-12)*	04/29/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	22.47	8.62	13.85	0.00
MW-2 (B-12)*	08/23/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	22.47	7.43	15.04	0.00
B-10 *	07/17/1996	20000	400	<100	<100	870	<500	NA	NA	NA	NA	NA
B-13*	07/17/1996	290000	34000	21000	9900	47000	<2500	NA	NA	NA	NA	NA
V-1	08/02/1996	NA	NA	NA	NA	NA	NA	NA	23.26	NA	NA	NA
V-1	08/05/1996	NA	NA	NA	NA	NA	NA	NA	23.26	8.58	14.68	0.00
V-1	10/17/1996	NA	NA	NA	NA	NA	NA	NA	23.26	10.02	13.24	0.00
V-1	01/16/1997	9500	1200	250	280	880	<50	NA	23.26	5.55	17.71	0.00
V-1	04/07/1997	2200	42	<5.0	130	15	<25	NA	23.26	7.40	15.86	0.00
V-1	07/02/1997	2600	340	5.8	49	12	74	<4.0	23.26	8.94	14.32	0.00
V-1	10/24/1997	57000	5200	2300	3600	16000	1900	<200	23.26	9.43	13.83	0.00
V-1	01/09/1998	23000	2400	1700	1300	2300	310	NA	23.26	6.81	16.45	0.00
V-1 (D)	01/09/1998	24000	2500	1800	1400	2400	450	NA	23.26	NA	NA	NA
V-1	04/02/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	23.26	4.58	18.68	0.00
V-1 (D)	04/02/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	23.26	NA	NA	NA
V-1	07/14/1998	160	1.9	<0.50	4.2	<0.50	6.1	NA	23.26	7.51	15.75	0.00
V-1	10/01/1998	440	18	<0.50	11	0.80	7.9	NA	23.26	8.49	14.77	0.00
V-1	01/18/1999	697	55.7	0.839	28.2	<0.500	9.35	NA	23.26	8.59	14.67	0.00

WELL CONCENTRATIONS
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Wic #204-5508-1701

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)	SPH Thickness (ft.)
V-1	04/29/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	23.26	8.69	14.57	0.00
V-1	08/23/1999	457	33.4	3.59	16.3	<0.500	3.9	NA	23.26	8.99	14.27	0.00
V-2	08/02/1996	NA	NA	NA	NA	NA	NA	NA	22.80	NA	NA	NA
V-2	08/05/1996	NA	NA	NA	NA	NA	NA	NA	22.80	7.94	14.86	0.00
V-2	10/17/1996	NA	NA	NA	NA	NA	NA	NA	22.80	9.30	13.50	0.00
V-2	01/08/1997	69000	4800	2800	2700	13000	750	NA	22.80	5.82	16.98	0.00
V-2	04/07/1997	90000	4400	1900	3300	14000	<500	NA	22.80	7.10	15.70	0.00
V-2 (D)	04/07/1997	77000	4400	2000	3200	14000	<250	NA	22.80	NA	NA	NA
V-2	07/02/1997	82000	5500	2700	3500	16000	530	<100	22.80	8.35	14.45	0.00
V-2 (D)	07/02/1997	85000	5600	2800	3600	17000	520	<100	22.80	NA	NA	NA
V-2	10/24/1997	7300	1100	97	230	180	91	<12	22.80	10.03	12.77	0.00
V-2 (D)	10/24/1997	12000	1700	340	650	630	120	<20	22.80	NA	NA	NA
V-2	01/09/1998	40000	4100	1500	2500	9000	280	NA	22.80	6.94	15.86	0.00
V-2	04/02/1998	62000	6800	2400	3400	14000	<250	NA	22.80	5.35	17.45	0.00
V-2	07/14/1998	43000	4700	1100	2500	6600	<250	NA	22.80	6.48	16.32	0.00
V-2 (D)	07/14/1998	48000	5100	1300	2600	8100	<250	NA	22.80	NA	NA	NA
V-2	10/01/1998	53000	5200	1800	3200	10000	83	NA	22.80	8.41	14.39	0.00
V-2 (D)	10/01/1998	55000	5300	1900	3300	11000	65	NA	22.80	NA	NA	NA
V-2	01/18/1999	47100	5800	1960	3450	10200	<100	NA	22.80	8.29	14.51	0.00
V-2	04/29/1999	65000	6100	2800	3200	12000	540	NA	22.80	8.19	14.61	0.00
V-2	08/23/1999	59600	6240	2190	3900	14700	390	NA	22.80	8.44	14.36	0.00

WELL CONCENTRATIONS
Shell-branded Service Station
2703 Martin Luther King Way
Oakland, CA
Wic #204-5508-1701

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)	SPH Thickness (ft.)

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

TOC = Top of Casing Elevation

SPH = Separate-Phase Hydrocarbons

GW = Groundwater

ug/L = parts per billion

msl = Mean sea level

ft = Feet

<n = Below detection limit

D = Duplicate sample

NA = Not applicable

Notes:

* = Water sample from Boring

Sequoia Analytical

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

September 10, 1999

Ann Pember
Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose, CA 95112

RE: Equive 2703 Martin Luther King JR Way, Oakland/9080868

Dear Ann Pember

Enclosed are the results of analyses for sample(s) received by the laboratory on August 24, 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:	8/23/99
1680 Rogers Avenue	Project Number:	2703 Martin Luther King Jr. Wy.	Received:	8/24/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported:	9/10/99

ANALYTICAL REPORT FOR 9080868

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-1	9080868-01	Water	8/23/99
MW-2	9080868-02	Water	8/23/99
V-1	9080868-03	Water	8/23/99
V-2	9080868-04	Water	8/23/99

Sequoia Analytical

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

Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 8/23/99
1680 Rogers Avenue	Project Number:	2703 Martin Luther King Jr. Wy.	Received: 8/24/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported: 9/10/99

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			**9080868-01**				**Water**	
Purgeable Hydrocarbons	9090033	9/1/99	9/1/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		2.50	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*82.3*	%	
MW-2			**9080868-02**				**Water**	
Purgeable Hydrocarbons	9090033	9/1/99	9/1/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		2.50	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*87.0*	%	
V-1			**9080868-03**				**Water**	
Purgeable Hydrocarbons	9090033	9/1/99	9/1/99		50.0	**457**	ug/l	1
Benzene	"	"	"		0.500	**33.4**	"	
Toluene	"	"	"		0.500	**3.59**	"	
Ethylbenzene	"	"	"		0.500	**16.3**	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		2.50	**13.9**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*194*	%	*2*
V-2			**9080868-04**				**Water**	
Purgeable Hydrocarbons	9090078	9/3/99	9/3/99		5000	**59600**	ug/l	1,D
Benzene	"	"	"		50.0	**6240**	"	D
Toluene	"	"	"		50.0	**2190**	"	D
Ethylbenzene	"	"	"		50.0	**3900**	"	D
Xylenes (total)	"	"	"		50.0	**14700**	"	D
Methyl tert-butyl ether	"	"	"		250	**390**	"	D
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*92.8*	%	

Sequoia Analytical

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

Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 8/23/99
1680 Rogers Avenue	Project Number:	2703 Martin Luther King Jr. Wy.	Received: 8/24/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported: 9/10/99

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: 9090033	**Date Prepared: 9/1/99**				**Extraction Method: EPA 5030B [P/T]**					
Blank	**9090033-BLK1**									
Purgeable Hydrocarbons	9/1/99			**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*		*9.07*	"	*70.0-130*	*90.7*			
LCS	**9090033-BS1**									
Benzene	9/1/99	10.0		9.22	ug/l	70.0-130	92.2			
Toluene	"	10.0		9.75	"	70.0-130	97.5			
Ethylbenzene	"	10.0		9.25	"	70.0-130	92.5			
Xylenes (total)	"	30.0		28.1	"	70.0-130	93.7			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.41*	"	*70.0-130*	*94.1*			
Matrix Spike	**9090033-MS1**		**9080868-02**							
Benzene	9/1/99	10.0	ND	9.08	ug/l	60.0-140	**90.8**			
Toluene	"	10.0	ND	9.74	"	60.0-140	**97.4**			
Ethylbenzene	"	10.0	ND	8.99	"	60.0-140	**89.9**			
Xylenes (total)	"	30.0	ND	27.8	"	60.0-140	**92.7**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.1*	"	*70.0-130*	*101*			
Matrix Spike Dup	**9090033-MSD1**		**9080868-02**							
Benzene	9/1/99	10.0	ND	8.73	ug/l	60.0-140	**87.3**	25.0	**3.93**	
Toluene	"	10.0	ND	9.34	"	60.0-140	**93.4**	25.0	**4.19**	
Ethylbenzene	"	10.0	ND	8.67	"	60.0-140	**86.7**	25.0	**3.62**	
Xylenes (total)	"	30.0	ND	26.6	"	60.0-140	**88.7**	25.0	**4.41**	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.2*	"	*70.0-130*	*102*			
Batch: 9090078	**Date Prepared: 9/3/99**				**Extraction Method: EPA 5030B [P/T]**					
Blank	**9090078-BLK1**									
Purgeable Hydrocarbons	9/7/99			**ND**	ug/l	**50.0**				
Benzene	9/3/99			**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*		*10.6*	"	*70.0-130*	*106*			

Sequoia Analytical

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

Blaine Tech Services (Shell)	Project:	Equiva	Sampled: 8/23/99
1680 Rogers Avenue	Project Number:	2703 Martin Luther King Jr. Wy.	Received: 8/24/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported: 9/10/99

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*
LCS	**9090078-BS1**									
Purgeable Hydrocarbons	9/3/99	250		271	ug/l	70.0-130	108			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.6*	"	*70.0-130*	*106*			
Matrix Spike	**9090078-MS1**		**9080960-02**							
Purgeable Hydrocarbons	9/3/99	250	ND	267	ug/l	60.0-140	**107**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.3*	"	*70.0-130*	*103*			
Matrix Spike Dup	**9090078-MSD1**		**9080960-02**							
Purgeable Hydrocarbons	9/3/99	250	ND	267	ug/l	60.0-140	**107**	25.0	**0**	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.3*	"	*70.0-130*	*103*			

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San Jose, CA 95112	Project Manager:	Ann Pember	Reported:	9/10/99

Notes and Definitions

#	Note
D	Data reported from a dilution.
1	Chromatogram Pattern: Gasoline C6-C12
2	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 990823-93

CLIENT: Equiva - Karen Petryna

SITE: 2703 Martin Luther King JR Way
Oakland, CA

CONDUCT ANALYSIS TO DETECT

LAB: Sequoia DHS #

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

SPECIAL INSTRUCTIONS

Send invoice to Equiva

Incident # 97093397

Sent 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	TPH - gas, BTEX	MTBE by 8020	MTBE by 8260	TPH - diesel	Oxygenates by 8260	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW-1	8/23/99	12:15	W	3		X	X							9080868
MW-2		12:00												
V-1		12:30												
V-2		12:36												23

SAMPLING COMPLETED: DATE 8/23/99 TIME 12:36

SAMPLING PERFORMED BY: Kevin Sullivan

RESULTS NEEDED NO LATER THAN

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	8-24-99	9:32		8-24-99	9:32
				8/24/99	11:22

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

WELL GAUGING DATA

Project # 990823-S3 Date 8/23/99 Client Equiva 204-5508-1701 2703 MARTIN LUTHER KING JUNIOR WAY OAKLAND Sample #

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	2					8.17	19.71	TOC	2
MW-2	2					7.43	14.56	"	1
V-1	2					8.99	15.03	"	3
V-2	2					8.44	12.98	"	4

4

EQUIVA WELL MONITORING DATA SHEET

Project #: 990823-3	Job # 204-5508-1701
Sampler: KPS	Date: 8/23/99
Well I.D.: MW-	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 19.71	Depth to Water: 8.17
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: (D.S Bailer), Extraction Port, Other: ___

___ (1 Case Volume (Gals.)) X ___ (Specified Volumes) = ___ (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
12:12	74.6	7.3	1555	45	___	

Did well dewater? Yes No — Gallons actually evacuated: ___

Sampling Time: 12:15 — Sampling Date: 8/23/99

Sample I.D.: MW- — 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

4

EQUIVA WELL MONITORING DATA SHEET

Project #: 990823-3	Job # 204-5508-1701
Sampler: KPS	Date: 8/23/99
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 19.56	Depth to Water: 7.43
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: (DS) Bailer / Extraction Port / Other: _____

_____ X _____ = _____ Gals.
1 Case Volume (Gals.) Specified Volumes Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1157	73.1	7.0	1126	60	—	

Did well dewater? Yes No		Gallons actually evacuated: —	
Sampling Time: 12:00		Sampling Date: 8/23/99	
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

4

EQUIVA WELL MONITORING DATA SHEET

Project #: 990823-3	Job # 204-5508-1701
Sampler: KPS	Date: 8/23/99
Well I.D.: V-1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 13.03	Depth to Water: 8.99
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: (DS) Bailer / Extraction Port / Other: ___

___ (1 Case Volume (Gals.)) X ___ (Specified Volumes) = ___ Gals. (Calculated Volume)

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
12:30	76.5	6.9	1945	98	—	

Did well dewater? Yes No		Gallons actually evacuated:	
Sampling Time: 12:30		Sampling Date: 8/23/99	
Sample I.D.: V-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

4.

EQUIVA WELL MONITORING DATA SHEET

Project #: 990823-3	Job # 204-5508-1701
Sampler: KPS	Date: 8/23/99
Well I.D.: V-2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 12.98	Depth to Water: 8.44
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 *.0163

Purge Method: Bailer / Middleburg / Electric Submersible / Extraction Pump / Other: _____

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

99 OCT 18 PM 4:40

ALAMEDA COUNTY HEALTH CARE SERVICES

_____ 1 Case Volume (Gals.) X _____ Specified Volumes = _____ Gals. Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
12:36	76.6	7.4	1608	43	—	odor

Did well dewater? Yes No Gallons actually evacuated:

Sampling Time: 12:36 Sampling Date: 8/23/99

Sample I.D.: V-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