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CAMBRIA

ENVIRONMENTAL PROTECTION

00 JAN 19 PM 3:45

January 13, 2000

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

Re: **Fourth 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.

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.

Corrective Action Plan Request: In order to address the issues brought forth in the Alameda County Health Care Services Agency (ACHCSA) correspondence dated September 23, 1999, Cambria submitted a response dated December 10, 1999. Upon ACHCSA approval, Cambria will proceed with the proposed activities.

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 A. Buggle
Senior Staff Scientist

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

REGISTERED PROFESSIONAL ENGINEER
DIANE M. LUNDQUIST
No. C46725
CIVIL
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
Matthew Dudley, Burnham and Brown, 1901 Harrison Street, Oakland, California 94612

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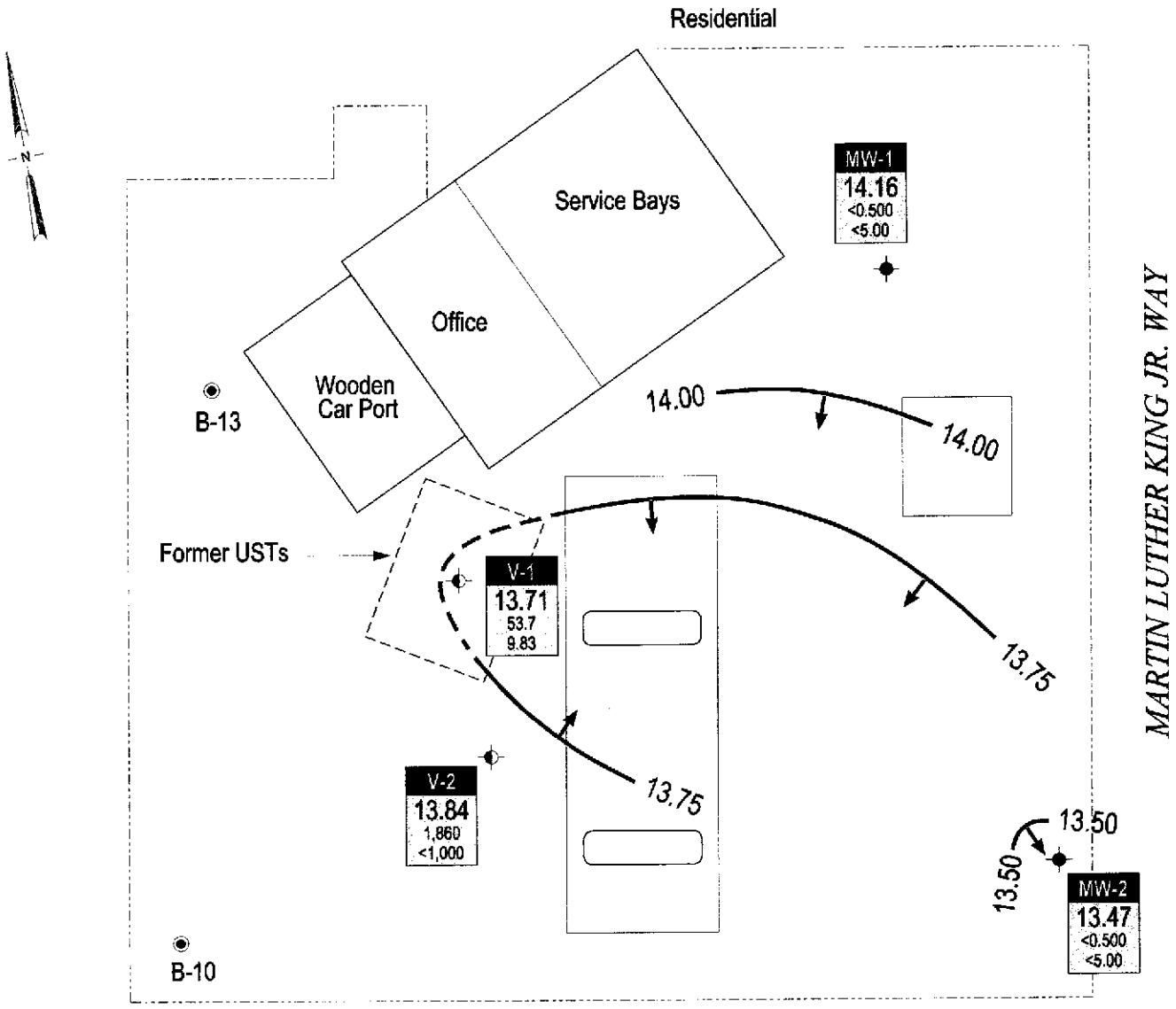

EXPLANATION

- **MW-1** — Monitoring well location
- **V-1** — Soil vapor extraction well location
- **B-10** — Soil boring location
- Ground water flow direction
- XX.XX — Ground water elevation contour, in feet above mean sea level (msl), approximately located; dashed where inferred

Well
ELEV
Benzene
MTBE

- Well designation
- Ground water elevation (msl)
- Benzene and MTBE concentrations are in parts per billion and are analyzed by EPA Method 8020

0 10 20
Scale (ft)

FIGURE
1

G:\OAK2703\FIGURES\4QM99-MP.DWG

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

CAMBRIA

Ground Water Elevation Contour Map

October 6, 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

November 1, 1999

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

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

Monitoring performed on October 6, 1999

Groundwater Monitoring Report **991006-M-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 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/ek

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	NA
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	NA
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	NA
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	NA
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	NA
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	NA
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	NA
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	NA
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	NA
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	NA
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	NA
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	NA
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	NA
MW-1 (B-11)	10/06/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	23.53	9.37	14.16	NA

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	NA
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	NA
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	NA
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	NA
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	NA

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)*	10/24/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	22.47	9.12	13.35	NA
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	NA
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	NA
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	NA
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	NA
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	NA
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	NA
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	NA
MW-2 (B-12)*	10/06/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	22.47	9.00	13.47	NA
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	NA
V-1	10/17/1996	NA	NA	NA	NA	NA	NA	NA	23.26	10.02	13.24	NA
V-1	01/16/1997	9500	1200	250	280	880	<50	NA	23.26	5.55	17.71	NA
V-1	04/07/1997	2200	42	<5.0	130	15	<25	NA	23.26	7.40	15.86	NA
V-1	07/02/1997	2600	340	5.8	49	12	74	<4.0	23.26	8.94	14.32	NA
V-1	10/24/1997	57000	5200	2300	3600	16000	1900	<200	23.26	9.43	13.83	NA
V-1	01/09/1998	23000	2400	1700	1300	2300	310	NA	23.26	6.81	16.45	NA
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	NA
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	NA

WELL CONCENTRATIONS
Shell-branded Service Station
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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.)
V-1	10/01/1998	440	18	<0.50	11	0.80	7.9	NA	23.26	8.49	14.77	NA
V-1	01/18/1999	697	55.7	0.839	28.2	<0.500	9.35	NA	23.26	8.59	14.67	NA
V-1	04/29/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	23.26	8.69	14.57	NA
V-1	08/23/1999	457	33.4	3.59	16.3	<0.500	13.9	NA	23.26	8.99	14.27	NA
V-1	10/06/1999	714	53.7	0.740	8.69	<0.500	9.83	NA	23.26	9.55	13.71	NA
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	NA
V-2	10/17/1996	NA	NA	NA	NA	NA	NA	NA	22.80	9.30	13.50	NA
V-2	01/08/1997	69000	4800	2800	2700	13000	750	NA	22.80	5.82	16.98	NA
V-2	04/07/1997	90000	4400	1900	3300	14000	<500	NA	22.80	7.10	15.70	NA
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	NA
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	NA
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	NA
V-2	04/02/1998	62000	6800	2400	3400	14000	<250	NA	22.80	5.35	17.45	NA
V-2	07/14/1998	43000	4700	1100	2500	6600	<250	NA	22.80	6.48	16.32	NA
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	NA
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	NA
V-2	04/29/1999	65000	6100	2800	3200	12000	540	NA	22.80	8.19	14.61	NA
V-2	08/23/1999	59600	6240	2190	3900	14700	390	NA	22.80	8.44	14.36	NA
V-2	10/06/1999	63800	4820	1860	2840	11100	<1000	NA	22.80	8.96	13.84	NA

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

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

October 21, 1999

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

RE: Equiva(2)/L910068

Dear Ann Pember:

Enclosed are the results of analyses for sample(s) received by the laboratory on October 7, 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:	10/6/99
1680 Rogers Avenue	Project Number:	991006 M-2, 2703 Martin Luther King JR Way	Received:	10/7/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported:	10/21/99

ANALYTICAL REPORT FOR L910068

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-1	L910068-01	Water	10/6/99
MW-2	L910068-02	Water	10/6/99
V-1	L910068-03	Water	10/6/99
V-2	L910068-04	Water	10/6/99

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: 10/6/99
1680 Rogers Avenue	Project Number:	991006 M-2, 2703 Martin Luther King JR Way	Received: 10/7/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported: 10/21/99

Sample Description: **MW-1**
Laboratory Sample Number: **L910068-01**

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	9100096	10/19/99	10/19/99		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	"	"	"		5.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*75.2*	%	

Sequoia Analytical

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

Blaine Tech Services	Project:	Equiva(2)	Sampled: 10/6/99
1680 Rogers Avenue	Project Number:	991006 M-2, 2703 Martin Luther King JR Way	Received: 10/7/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported: 10/21/99

Sample Description: **MW-2**
Laboratory Sample Number: **L910068-02**

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	9100089	10/18/99	10/18/99		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	"	"	"		5.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*86.6*	%	

Sequoia Analytical

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

Blaine Tech Services	Project:	Equiva(2)	Sampled: 10/6/99
1680 Rogers Avenue	Project Number:	991006 M-2, 2703 Martin Luther King JR Way	Received: 10/7/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported: 10/21/99

Sample Description: **V-1**
Laboratory Sample Number: **L910068-03**

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	9100094	10/19/99	10/19/99		50.0	**714**	ug/l	1
Benzene	"	"	"		0.500	**53.7**	"	
Toluene	"	"	"		0.500	**0.740**	"	
Ethylbenzene	"	"	"		0.500	**8.69**	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	**9.83**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*148*	*%*	*2*

Sequoia Analytical

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

Blaine Tech Services	Project:	Equiva(2)	Sampled: 10/6/99
1680 Rogers Avenue	Project Number:	991006 M-2, 2703 Martin Luther King JR Way	Received: 10/7/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported: 10/21/99

Sample Description: **V-2**
Laboratory Sample Number: **L910068-04**

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	9100089	10/18/99	10/19/99		10000	**63800**	ug/l	1
Benzene	"	"	"		100	**4820**	"	
Toluene	"	"	"		100	**1860**	"	
Ethylbenzene	"	"	"		100	**2840**	"	
Xylenes (total)	"	"	"		100	**11100**	"	
Methyl tert-butyl ether	"	"	"		1000	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*89.8*	%	

Sequoia Analytical

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FAX (650) 232-9612

Blaine Tech Services	Project:	Equiva(2)	Sampled: 10/6/99
1680 Rogers Avenue	Project Number:	991006 M-2, 2703 Martin Luther King JR Way	Received: 10/7/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported: 10/21/99

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: 9100089	**Date Prepared: 10/18/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9100089-BLK1**									
Purgeable Hydrocarbons as Gasoline	10/18/99			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	"	**5.00**				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*8.99*	"	*70.0-130*	*89.9*			
LCS	**9100089-BS1**									
Benzene	10/18/99	10.0		7.90	ug/l	70.0-130	79.0			
Toluene	"	10.0		7.82	"	70.0-130	78.2			
Ethylbenzene	"	10.0		7.88	"	70.0-130	78.8			
Xylenes (total)	"	30.0		23.6	"	70.0-130	78.7			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*7.73*	"	*70.0-130*	*77.3*			
LCS	**9100089-BS2**									
Purgeable Hydrocarbons as Gasoline	10/18/99	250		241	ug/l	70.0-130	96.4			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*7.55*	"	*70.0-130*	*75.5*			
Matrix Spike	**9100089-MS1**		**L910045-10**							
Purgeable Hydrocarbons as Gasoline	10/18/99	250	ND	245	ug/l	60.0-140	**98.0**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.07*	"	*70.0-130*	*90.7*			
Matrix Spike Dup	**9100089-MSD1**		**L910045-10**							
Purgeable Hydrocarbons as Gasoline	10/18/99	250	ND	250	ug/l	60.0-140	**100**	25.0	**2.02**	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*8.90*	"	*70.0-130*	*89.0*			
Batch: 9100094	**Date Prepared: 10/19/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9100094-BLK1**									
Purgeable Hydrocarbons as Gasoline	10/19/99			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	"	**5.00**				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.1*	"	*70.0-130*	*101*			
LCS	**9100094-BS1**									
Benzene	10/19/99	10.0		8.15	ug/l	70.0-130	81.5			
Toluene	"	10.0		8.03	"	70.0-130	80.3			

Sequoia Analytical

1551 Industrial Road
San Carlos, CA 94070-4111
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Blaine Tech Services	Project:	Equiva(2)	Sampled: 10/6/99
1680 Rogers Avenue	Project Number:	991006 M-2, 2703 Martin Luther King JR Way	Received: 10/7/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported: 10/21/99

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 (continued)	**9100094-BS1**									
Ethylbenzene	10/19/99	10.0		8.13	ug/l	70.0-130	81.3			
Xylenes (total)	"	30.0		24.5	"	70.0-130	81.7			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.61*	"	*70.0-130*	*96.1*			
LCS	**9100094-BS2**									
Purgeable Hydrocarbons as Gasoline	10/19/99	250		266	ug/l	70.0-130	106			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*8.57*	"	*70.0-130*	*85.7*			
Matrix Spike	**9100094-MS1**		**L910067-01**							
Benzene	10/19/99	10.0	ND	9.70	ug/l	60.0-140	**97.0**			
Toluene	"	10.0	ND	8.89	"	60.0-140	**88.9**			
Ethylbenzene	"	10.0	ND	9.21	"	60.0-140	**92.1**			
Xylenes (total)	"	30.0	ND	27.2	"	60.0-140	**90.7**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.07*	"	*70.0-130*	*90.7*			
Matrix Spike Dup	**9100094-MSD1**		**L910067-01**							
Benzene	10/19/99	10.0	ND	10.7	ug/l	60.0-140	**107**	25.0	**9.80**	
Toluene	"	10.0	ND	10.0	"	60.0-140	**100**	25.0	**11.8**	
Ethylbenzene	"	10.0	ND	10.2	"	60.0-140	**102**	25.0	**10.2**	
Xylenes (total)	"	30.0	ND	30.3	"	60.0-140	**101**	25.0	**10.7**	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*8.92*	"	*70.0-130*	*89.2*			
Batch: 9100096	**Date Prepared: 10/19/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9100096-BLK1**									
Purgeable Hydrocarbons as Gasoline	10/19/99			**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**	"	**5.00**				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*8.55*	"	*70.0-130*	*85.5*			
LCS	**9100096-BS1**									
Benzene	10/19/99	10.0		7.72	ug/l	70.0-130	77.2			
Toluene	"	10.0		7.28	"	70.0-130	72.8			
Ethylbenzene	"	10.0		7.43	"	70.0-130	74.3			
Xylenes (total)	"	30.0		21.7	"	70.0-130	72.3			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*8.37*	"	*70.0-130*	*83.7*			
LCS	**9100096-BS2**									
Purgeable Hydrocarbons as Gasoline	10/19/99	250		243	ug/l	70.0-130	97.2			

Sequoia Analytical

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Blaine Tech Services	Project:	Equiva(2)	Sampled: 10/6/99
1680 Rogers Avenue	Project Number:	991006 M-2, 2703 Martin Luther King JR Way	Received: 10/7/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported: 10/21/99

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 (continued)	**9100096-BS2**									
Surrogate: a,a,a-Trifluorotoluene	*10/19/99*	*10.0*		*8.75*	*ug/l*	*70.0-130*	*87.5*			
Matrix Spike	**9100096-MS1**		**L910068-01**							
Benzene	10/19/99	10.0	ND	8.46	ug/l	60.0-140	**84.6**			
Toluene	"	10.0	ND	8.01	"	60.0-140	**80.1**			
Ethylbenzene	"	10.0	ND	8.20	"	60.0-140	**82.0**			
Xylenes (total)	"	30.0	ND	23.5	"	60.0-140	**78.3**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*8.09*	"	*70.0-130*	*80.9*			
Matrix Spike Dup	**9100096-MSD1**		**L910068-01**							
Benzene	10/19/99	10.0	ND	8.56	ug/l	60.0-140	**85.6**	25.0	**1.18**	
Toluene	"	10.0	ND	8.19	"	60.0-140	**81.9**	25.0	**2.22**	
Ethylbenzene	"	10.0	ND	8.29	"	60.0-140	**82.9**	25.0	**1.09**	
Xylenes (total)	"	30.0	ND	24.2	"	60.0-140	**80.7**	25.0	**3.02**	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*8.45*	"	*70.0-130*	*84.5*			

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Blaine Tech Services	Project:	Equiva(2)	Sampled: 10/6/99
1680 Rogers Avenue	Project Number:	991006 M-2, 2703 Martin Luther King JR Way	Received: 10/7/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported: 10/21/99

Notes and Definitions

#	Note
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

CLIENT Equiva - Karen Petryna

SITE 2703 Martin Luther King JR Way

Oakland, CA

9910068 MW-2

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 9910068

SPECIAL INSTRUCTIONS

Send invoice to Equiva

Incident # 97093397

Sent report to Blaine Tech Services, Inc.

ATTN: Ann Pember

10 7 12 05

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	10.6.99	1330	W	3	HCl		X	X							01			
MW-2		1345		3	VOAs		X	X							02			
V-1		1400		3			X	X							03			
V-2		1415		3			X	X							04			

SC

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN
	10.6.99	1400	Mark N. Sorensen	

		DATE	TIME		DATE	TIME
RELEASED BY	Mark N. Sorensen	10/7/99	9:35	RECEIVED BY		10-7 9:35
RELEASED BY		DATE	TIME	RECEIVED BY		10/7/99 1205
RELEASED BY		10/7/99	1205	RECEIVED BY		10/8/99 1015

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

WELL GAUGING DATA

Project # 991006M-2 Date 10-6-99 Client Equiva

Site 2703 Martin Luther King Junior Way 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	
MW-1	2					9.37	19.98	TOC	
MW-2	2					9.00	19.35	"	
V-1	2					9.55	12.72	"	
V-2	2					8.96	12.95	"	

EQUIVA WELL MONITORING DATA SHEET

Project #: 991006M-2	Job # 204-5508-1701
Sampler: MWKS	Date: 10-6-99
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 19.98	Depth to Water: 9.37
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: ____ — No Purge

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

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1330	71.5	6.8	1300	5.0		

Did well dewater? Yes No		Gallons actually evacuated:	
Sampling Time: 1330		Sampling Date: 10-6-99	
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 #: 991006m-2	Job # 204-5508-1701
Sampler: Mark S.	Date: 10-6-99
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 19.35	Depth to Water: 9.00
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: ___ — No Purge

Sampling Method: Bailer / ~~Extraction Port~~ / Other: (Disposable Bailer)

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1345	72.6	6.7	1216	5.0		

Did well dewater? Yes No		Gallons actually evacuated:			
Sampling Time: 1345		Sampling Date: 10-6-99			
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 #: 991006M-2	Job # 204-5508-1701
Sampler: Mark S.	Date: 10-6-99
Well I.D.: V-1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth:	Depth to Water:
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
No Purge — Electric Submersible
Extraction Pump
Other: _____

Sampling Method: Bailer
~~Extraction Port~~
Other: Disposable Bailer

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1400	70.6	6.8	1745	53.0		

Did well dewater? Yes No Gallons actually evacuated:

Sampling Time: ~~[illegible]~~ 1400 Sampling Date: 10-6-99

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

EQUIVA WELL MONITORING DATA SHEET

Project #: 990066-2	Job # 204-550F-1701
Sampler: Mark S	Date: 10-6-99
Well I.D.: V-2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 12.96	Depth to Water: 8.96
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: ___ — No Purge

Sampling Method: Bailer / Extraction Port / Other: Disposable Bailer

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1415	71.3	6.8	1620	48.0		Strong Odor

Did well dewater? Yes No — Gallons actually evacuated:

Sampling Time: 1415 — Sampling Date: 10-6-99

Sample I.D.: (By) 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