CAMBRIA

RO-404
Should MW be installed by SB-B? B Chan does not think one is warranted. Can consider semi annual monitoring

August 7, 2001

eva chu
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

AUG 10 2001

Re: **Second Quarter 2001 Monitoring**
Former Shell Service Station
8930 Bancroft Avenue
Oakland, California
Incident #98995742
Cambria Project #243-1408-002

Dear Ms. chu:

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

REMEDIATION SUMMARY

Weekly groundwater extraction was performed on well MW-4 during March through May 2000. Approximately 1,075 gallons of water were extracted from the well and an estimated 0.1 pounds of MTBE were removed.

SECOND QUARTER 2001 ACTIVITIES

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

Offsite Investigation: On April 4, 2001, Cambria performed offsite investigation associated with the site. A *Subsurface Investigation Report* was submitted on August 6, 2001.

Oakland, CA
San Ramon, CA
Sonoma, CA

Cambria Environmental Technology, Inc.

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

ANTICIPATED THIRD QUARTER 2001 ACTIVITIES

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

CLOSING

We appreciate the opportunity to work with you on this project. Please call Jacquelyn Jones at (510) 420-3316 if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc

Jacquelyn L. Jones
Project Geologist

Stephan A. Bork, C.E.G., C.HG.
Associate Hydrogeologist

REGISTERED GEOLOGIST
STEPHAN A. BORK
No. EG 2058
CERTIFIED
ENGINEERING
GEOLOGIST
STATE OF CALIFORNIA

Figure: 1 - Groundwater Elevation Contour Map

Attachment: A - Blaine Groundwater Monitoring Report and Field Notes

cc: Karen Petryna, Equiva Services LLC, P.O. Box 7869, Burbank, California 91510-7869
Leroy Griffin, City of Oakland Fire Department, 505 14th Street, Suite 702, Oakland, CA 94612
Sidhu Associates, 8930 Bancroft Ave., Oakland, CA 94605

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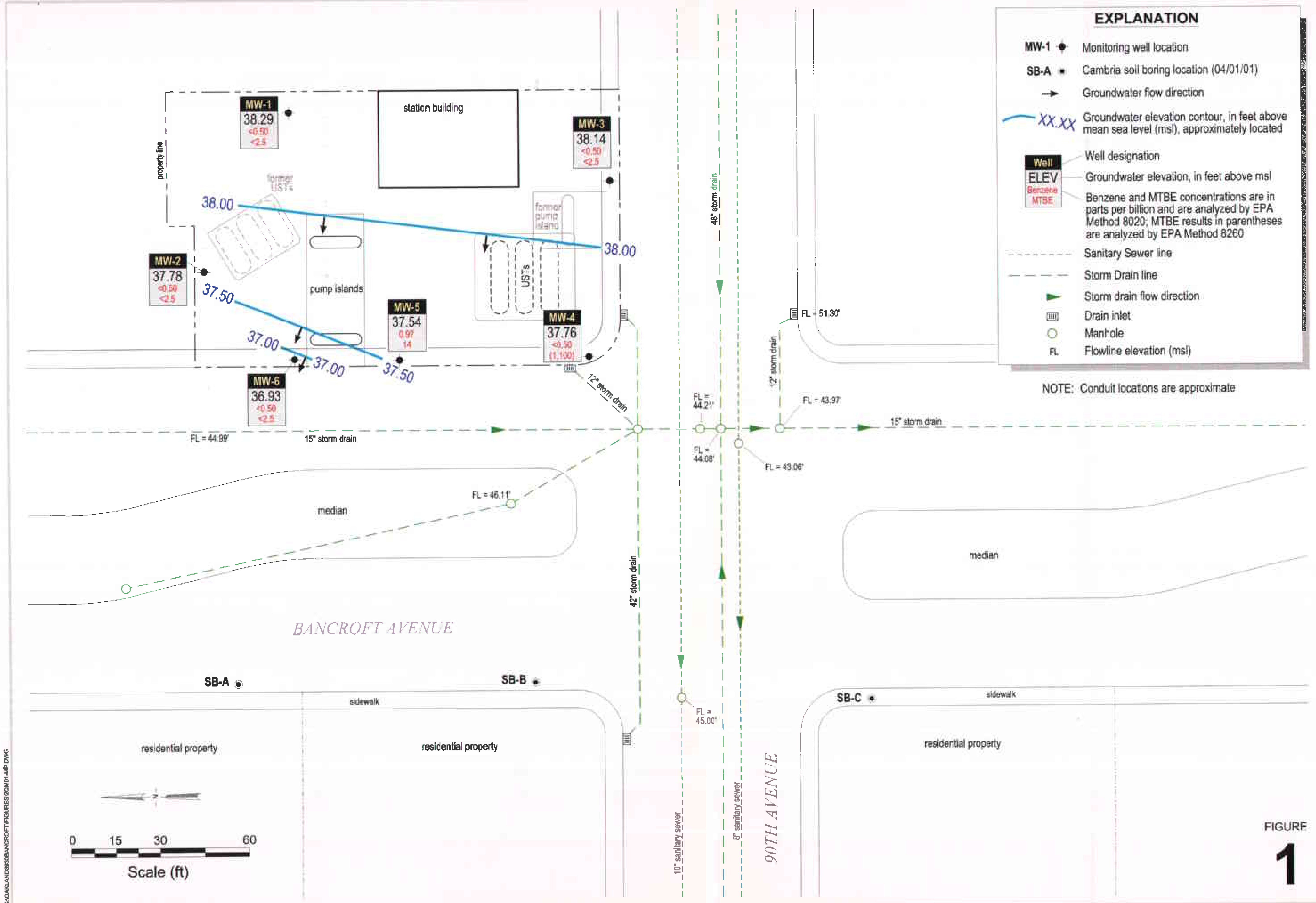

EXPLANATION
MW-1 Monitoring well location
SB-A Cambria soil boring location (04/01/01)
Groundwater flow direction
XX.XX Groundwater elevation contour, in feet above mean sea level (msl), approximately located
Well ELEV Benzene MTBE
Well designation
Groundwater elevation, in feet above msl
Benzene and MTBE concentrations are in parts per billion and are analyzed by EPA Method 8020; MTBE results in parentheses are analyzed by EPA Method 8260
Sanitary Sewer line
Storm Drain line
Storm drain flow direction
Drain inlet
Manhole
FL Flowline elevation (msl)
NOTE: Conduit locations are approximate
MW-1 38.29 <0.50 <2.5
MW-2 37.78 <0.50 <2.5
MW-3 38.14 <0.50 <2.5
MW-4 37.76 <0.50 (1,100)
MW-5 37.54 0.97 14
MW-6 36.93 <0.50 <2.5
38.00
37.50
37.00
station building
property line
former USTs
former pump island
pump islands
USTs
12" storm drain
15" storm drain
42" storm drain
48" storm drain
10" sanitary sewer
8" sanitary sewer
FL = 44.99'
FL = 46.11'
FL = 44.21'
FL = 44.08'
FL = 51.30'
FL = 43.97'
FL = 43.06'
FL = 45.00'
median
BANCROFT AVENUE
90TH AVENUE
SB-A
SB-B
SB-C
sidewalk
residential property
0 15 30 60
Scale (ft)
FIGURE 1

Groundwater Elevation Contour Map

June 27, 2001

CAMBRIA

Shell-branded Service Station
8930 Bancroft Avenue
Oakland, California
Incident #98995742

ATTACHMENT A

Blaine Groundwater Monitoring Report and Field Notes

BLAINE
TECH SERVICES INC

1680 ROGERS AVENUE
SAN JOSE, CA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE
CONTRACTOR'S LICENSE #746684
www.blainetech.com

July 25, 2001

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

Second Quarter 2001 Groundwater Monitoring at
Shell-branded Service Station
8930 Bancroft Avenue
Oakland, CA

Monitoring performed on June 27, 2001

Groundwater Monitoring Report **010627-C-1**

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,

Nick Sudano
Project Coordinator

NS/mb

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

Well ID	Date	TPPH (ug/L)	TEPH (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	<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-1	12/23/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	53.19	14.78	38.41
MW-1	03/22/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	53.19	8.44	44.75
MW-1	06/01/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	53.19	13.71	39.48
MW-1	09/08/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	53.19	14.95	38.24
MW-1	12/04/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	5.82	NA	53.19	13.85	39.34
MW-1	03/09/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	53.19	9.07	44.12
MW-1	**06/27/2001**	**<50**	**NA**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**	**NA**	**53.19**	**14.90**	**38.29**
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-2	12/23/1999	145	NA	1.30	<0.500	<0.500	0.899	<2.50	NA	52.66	14.42	38.24
MW-2	03/22/2000	6,060	NA	18.9	<10.0	210	651	<100	NA	52.66	8.19	44.47
MW-2	06/01/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	52.66	11.46	41.20
MW-2	09/08/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	52.66	14.63	38.03
MW-2	12/04/2000	201	NA	1.35	<0.500	3.39	8.58	<2.50	NA	52.66	13.45	39.21
MW-2	03/09/2001	396	NA	2.82	<0.500	8.69	18.7	<2.50	NA	52.66	8.89	43.77
MW-2	**06/27/2001**	**<50**	**NA**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**	**NA**	**52.66**	**14.88**	**37.78**
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

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

Well ID	Date	TPPH (ug/L)	TEPH (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-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	<0.500	<0.500	<0.500	<0.500	5.14	NA	51.30	14.07	37.23
MW-3	12/23/1999	<500	NA	<5.00	<5.00	<5.00	<5.00	<25.0	NA	51.30	12.82	38.48
MW-3	03/22/2000	<50.0	NA	<0.500	1.48	<0.500	1.90	<5.00	NA	51.30	6.81	44.49
MW-3	06/01/2000	<50.0	NA	<0.500	0.821	<0.500	<0.500	4.39	NA	51.30	11.85	39.45
MW-3	09/08/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	3.62	NA	51.30	12.55	38.75
MW-3	12/04/2000	<50.0	NA	<0.500	<0.500	<0.500	0.588	4.74	NA	51.30	11.65	39.65
MW-3	03/09/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	51.30	7.28	44.02
MW-3	**06/27/2001**	**<50**	**NA**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**	**NA**	**51.30**	**13.16**	**38.14**
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	09/30/1999	51.2	NA	<0.500	<0.500	<0.500	<0.500	12,200	12,300	50.73	13.74	36.99
MW-4	12/23/1999	<100	NA	<1.00	<1.00	<1.00	<1.00	7,990	8,400	50.73	12.40	38.33
MW-4	03/22/2000	<500	NA	<5.00	<5.00	<5.00	<5.00	4,970	5,020	50.73	7.32	43.41
MW-4	06/01/2000	<100	NA	<1.00	<1.00	<1.00	<1.00	5,260	3,580	50.73	11.50	39.23
MW-4	09/08/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	3,610	3,300a	50.73	12.55	38.18
MW-4	12/04/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	2,960	3,520a	50.73	11.77	38.96
MW-4	03/09/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	1,930	2,500	50.73	7.48	43.25
MW-4	**06/27/2001**	**<50**	**NA**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**1,100**	**1,100**	**50.73**	**12.97**	**37.76**
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	09/30/1999	484	NA	1.93	0.511	<0.500	<0.500	159	NA	51.43	14.41	37.02

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

Well ID	Date	TPPH (ug/L)	TEPH (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-5	12/23/1999	944	NA	4.59	17.7	3.79	16.7	214	NA	51.43	14.07	37.36
MW-5	03/22/2000	8,770	NA	197	96.5	<50.0	188	2,450	NA	51.43	7.31	44.12
MW-5	06/01/2000	227	NA	0.565	<0.500	<0.500	<0.500	35.9	NA	51.43	12.15	39.28
MW-5	09/08/2000	159	NA	0.606	<0.500	<0.500	1.74	1,000	NA	51.43	13.30	38.13
MW-5	12/04/2000	1,510	NA	19.2	<10.0	<10.0	134	1,360	NA	51.43	12.19	39.24
MW-5	03/09/2001	3,460	NA	37.9	121	40.6	208	235	NA	51.43	7.79	43.64
MW-5	**06/27/2001**	**310**	**NA**	**0.97**	**<0.50**	**<0.50**	**<0.50**	**14**	**NA**	**51.43**	**13.89**	**37.54**
MW-6	12/17/1998	940	NA	27	0.32	2.4	2.3	3.0	3.2	51.88	11.37	40.51
MW-6	03/09/1999	336	NA	7.78	1.60	2.40	6.36	<10.0	NA	51.88	8.10	43.78
MW-6	06/16/1999	308	NA	2.45	<0.500	<0.500	<0.500	7.39	NA	51.88	14.49	37.39
MW-6	09/30/1999	80.2	NA	<0.500	<0.500	<0.500	<0.500	24.8	NA	51.88	15.30	36.58
MW-6	12/23/1999	149	NA	0.518	<0.500	<0.500	<0.500	6.43	NA	51.88	13.19	38.69
MW-6	03/22/2000	382	NA	3.31	2.18	0.619	2.35	5.61	NA	51.88	8.27	43.61
MW-6	06/01/2000	158	NA	0.830	<0.500	<0.500	1.10	10.9	NA	51.88	11.13	40.75
MW-6	09/08/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	51.88	14.28	37.60
MW-6	12/04/2000	231	NA	4.93	<0.500	<0.500	<0.500	4.57	NA	51.88	12.62	39.26
MW-6	03/09/2001	789	NA	11.6	2.72	<2.00	<2.00	28.0	NA	51.88	8.65	43.23
MW-6	**06/27/2001**	**140**	**NA**	**<0.50**	**1.1**	**<0.50**	**<0.50**	**<2.5**	**NA**	**51.88**	**14.95**	**36.93**

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

Well ID	Date	TPPH (ug/L)	TEPH (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)

Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015

TEPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015

BTEX = benzene, toluene, ethylbenzene, xylenes by EPA Method 8020

MTBE = methyl-tertiary-butyl ether by EPA Method 8020

TOC = Top of Casing Elevation

GW = Groundwater

ug/L = parts per billion

msl = Mean sea level

ft = Feet

<n = Below detection limit

NA = Not applicable

Notes:

a = This sample analyzed outside of EPA recommended holding time.

Sequoia
Analytical

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

16 July, 2001

Nick Sudano
Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose, CA 95112

RE: 8930 Bancroft Ave.
Sequoia Report: MKF0742

Enclosed are the results of analyses for samples received by the laboratory on 06/28/01 10:35. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James Hartley
Project Manager

CA ELAP Certificate #1210

Sequoia Analytical

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

Blaine Tech Services (Shell)	Project: 8930 Bancroft Ave.	
1680 Rogers Avenue	Project Number: 8930 Bancoft Ave., Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	07/16/01 09:55

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MKF0742-01	Water	06/27/01 13:20	06/28/01 10:35
MW-2	MKF0742-02	Water	06/27/01 13:05	06/28/01 10:35
MW-3	MKF0742-03	Water	06/27/01 10:48	06/28/01 10:35
MW-4	MKF0742-04	Water	06/27/01 11:55	06/28/01 10:35
MW-5	MKF0742-05	Water	06/27/01 12:22	06/28/01 10:35
MW-6	MKF0742-06	Water	06/27/01 12:41	06/28/01 10:35

Sequoia Analytical - Morgan Hill

James Hartley, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sequoia Analytical

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

Blaine Tech Services (Shell)	Project: 8930 Bancroft Ave.	
1680 Rogers Avenue	Project Number: 8930 Bancoft Ave., Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	07/16/01 09:55

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MKF0742-01) Water Sampled: 06/27/01 13:20 Received: 06/28/01 10:35									
Purgeable Hydrocarbons	ND	50	ug/l	1	1G09002	07/09/01	07/09/01	DHS LUFT	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*97.4 %*	*70-130*		"	"	"	"	
MW-2 (MKF0742-02) Water Sampled: 06/27/01 13:05 Received: 06/28/01 10:35									
Purgeable Hydrocarbons	ND	50	ug/l	1	1G09002	07/09/01	07/09/01	DHS LUFT	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*92.3 %*	*70-130*		"	"	"	"	
MW-3 (MKF0742-03) Water Sampled: 06/27/01 10:48 Received: 06/28/01 10:35									
Purgeable Hydrocarbons	ND	50	ug/l	1	1G09002	07/09/01	07/09/01	DHS LUFT	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*99.1 %*	*70-130*		"	"	"	"	

Sequoia Analytical

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

Blaine Tech Services (Shell)	Project: 8930 Bancroft Ave.	
1680 Rogers Avenue	Project Number: 8930 Bancoft Ave., Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	07/16/01 09:55

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (MKF0742-04) Water Sampled: 06/27/01 11:55 Received: 06/28/01 10:35									
Purgeable Hydrocarbons	ND	50	ug/l	1	1G09002	07/09/01	07/09/01	DHS LUFT	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**1100**	25	"	10	"	"	07/05/01	"	A-01,M-03
Surrogate: a,a,a-Trifluorotoluene		*101 %*	*70-130*		"	"	*07/09/01*	"	
MW-5 (MKF0742-05) Water Sampled: 06/27/01 12:22 Received: 06/28/01 10:35									
Purgeable Hydrocarbons	**310**	50	ug/l	1	1G05008	07/05/01	07/05/01	DHS LUFT	P-03
Benzene	**0.97**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**14**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*90.1 %*	*70-130*		"	"	"	"	
MW-6 (MKF0742-06) Water Sampled: 06/27/01 12:41 Received: 06/28/01 10:35									
Purgeable Hydrocarbons	**140**	50	ug/l	1	1G10004	07/10/01	07/10/01	DHS LUFT	P-03
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	**1.1**	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*87.7 %*	*70-130*		"	"	"	"	

Sequoia Analytical

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www.sequoialabs.com

Blaine Tech Services (Shell)	Project: 8930 Bancroft Ave.	
1680 Rogers Avenue	Project Number: 8930 Bancoft Ave., Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	07/16/01 09:55

MTBE by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (MKF0742-04) Water Sampled: 06/27/01 11:55 Received: 06/28/01 10:35									
Methyl tert-butyl ether	**1100**	50	ug/l	50	1G10021	07/09/01	07/10/01	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*95.3 %*	*70-130*		"	"	"	"	

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1680 Rogers Avenue	Project Number: 8930 Bancoft Ave., Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	07/16/01 09:55

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1G05008 - EPA 5030B [P/T]										
Blank (1G05008-BLK1)				Prepared & Analyzed: 07/05/01						
Purgeable Hydrocarbons	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*9.30*		"	*10.0*		*93.0*	*70-130*			
LCS (1G05008-BS1)				Prepared & Analyzed: 07/05/01						
Benzene	8.84	0.50	ug/l	10.0		88.4	70-130			
Toluene	9.43	0.50	"	10.0		94.3	70-130			
Ethylbenzene	9.19	0.50	"	10.0		91.9	70-130			
Xylenes (total)	27.2	0.50	"	30.0		90.7	70-130			
Surrogate: a,a,a-Trifluorotoluene	*9.69*		"	*10.0*		*96.9*	*70-130*			
LCS (1G05008-BS2)				Prepared & Analyzed: 07/05/01						
Purgeable Hydrocarbons	207	50	ug/l	250		82.8	70-130			
Surrogate: a,a,a-Trifluorotoluene	*13.5*		"	*10.0*		*135*	*70-130*			*S-02*
Matrix Spike (1G05008-MS1)		**Source: MKF0727-02**		Prepared & Analyzed: 07/05/01						
Purgeable Hydrocarbons	206	50	ug/l	250	ND	82.4	60-140			
Surrogate: a,a,a-Trifluorotoluene	*12.8*		"	*10.0*		*128*	*70-130*			
Matrix Spike Dup (1G05008-MSD1)		**Source: MKF0727-02**		Prepared & Analyzed: 07/05/01						
Purgeable Hydrocarbons	232	50	ug/l	250	ND	92.8	60-140	11.9	25	
Surrogate: a,a,a-Trifluorotoluene	*12.4*		"	*10.0*		*124*	*70-130*			

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1680 Rogers Avenue	Project Number: 8930 Bancoft Ave., Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	07/16/01 09:55

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1G09002 - EPA 5030B [P/T]										
Blank (1G09002-BLK1)				Prepared & Analyzed: 07/09/01						
Purgeable Hydrocarbons	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*8.49*		"	*10.0*		*84.9*	*70-130*			
LCS (1G09002-BS1)				Prepared & Analyzed: 07/09/01						
Benzene	9.19	0.50	ug/l	10.0		91.9	70-130			
Toluene	9.68	0.50	"	10.0		96.8	70-130			
Ethylbenzene	9.97	0.50	"	10.0		99.7	70-130			
Xylenes (total)	28.6	0.50	"	30.0		95.3	70-130			
Surrogate: a,a,a-Trifluorotoluene	*9.93*		"	*10.0*		*99.3*	*70-130*			
LCS (1G09002-BS2)				Prepared & Analyzed: 07/09/01						
Purgeable Hydrocarbons	244	50	ug/l	250		97.6	70-130			
Surrogate: a,a,a-Trifluorotoluene	*10.4*		"	*10.0*		*104*	*70-130*			
Matrix Spike (1G09002-MS1)		**Source: MKF0742-01**		Prepared & Analyzed: 07/09/01						
Benzene	10.4	0.50	ug/l	10.0	ND	104	60-140			
Toluene	10.3	0.50	"	10.0	ND	103	60-140			
Ethylbenzene	9.94	0.50	"	10.0	ND	99.4	60-140			
Xylenes (total)	30.1	0.50	"	30.0	ND	100	60-140			
Surrogate: a,a,a-Trifluorotoluene	*11.1*		"	*10.0*		*111*	*70-130*			
Matrix Spike Dup (1G09002-MSD1)		**Source: MKF0742-01**		Prepared & Analyzed: 07/09/01						
Benzene	10.1	0.50	ug/l	10.0	ND	101	60-140	2.93	25	
Toluene	10.5	0.50	"	10.0	ND	105	60-140	1.92	25	
Ethylbenzene	10.3	0.50	"	10.0	ND	103	60-140	3.56	25	
Xylenes (total)	29.0	0.50	"	30.0	ND	96.7	60-140	3.72	25	
Surrogate: a,a,a-Trifluorotoluene	*10.4*		"	*10.0*		*104*	*70-130*			

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1680 Rogers Avenue	Project Number: 8930 Bancoft Ave., Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	07/16/01 09:55

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1G10004 - EPA 5030B [P/T]										
Blank (1G10004-BLK1)				Prepared & Analyzed: 07/10/01						
Purgeable Hydrocarbons	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*9.91*		"	*10.0*		*99.1*	*70-130*			
LCS (1G10004-BS1)				Prepared & Analyzed: 07/10/01						
Benzene	10.5	0.50	ug/l	10.0		105	70-130			
Toluene	10.5	0.50	"	10.0		105	70-130			
Ethylbenzene	10.4	0.50	"	10.0		104	70-130			
Xylenes (total)	32.6	0.50	"	30.0		109	70-130			
Surrogate: a,a,a-Trifluorotoluene	*10.2*		"	*10.0*		*102*	*70-130*			
LCS (1G10004-BS2)				Prepared & Analyzed: 07/10/01						
Purgeable Hydrocarbons	239	50	ug/l	250		95.6	70-130			
Surrogate: a,a,a-Trifluorotoluene	*14.0*		"	*10.0*		*140*	*70-130*			*S-02*
Matrix Spike (1G10004-MS1)		**Source: MKF0755-12**		Prepared & Analyzed: 07/10/01						
Benzene	9.93	0.50	ug/l	10.0	ND	99.3	60-140			
Toluene	9.63	0.50	"	10.0	ND	96.3	60-140			
Ethylbenzene	9.65	0.50	"	10.0	ND	96.5	60-140			
Xylenes (total)	30.2	0.50	"	30.0	ND	101	60-140			
Surrogate: a,a,a-Trifluorotoluene	*10.5*		"	*10.0*		*105*	*70-130*			
Matrix Spike Dup (1G10004-MSD1)		**Source: MKF0755-12**		Prepared & Analyzed: 07/10/01						
Benzene	9.68	0.50	ug/l	10.0	ND	96.8	60-140	2.55	25	
Toluene	9.66	0.50	"	10.0	ND	96.6	60-140	0.311	25	
Ethylbenzene	9.50	0.50	"	10.0	ND	95.0	60-140	1.57	25	
Xylenes (total)	29.9	0.50	"	30.0	ND	99.7	60-140	0.998	25	
Surrogate: a,a,a-Trifluorotoluene	*9.58*		"	*10.0*		*95.8*	*70-130*			

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Blaine Tech Services (Shell)	Project: 8930 Bancroft Ave.	
1680 Rogers Avenue	Project Number: 8930 Bancoft Ave., Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	07/16/01 09:55

MTBE by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1G10021 - EPA 5030B P/T										
Blank (1G10021-BLK1)				Prepared & Analyzed: 07/09/01						
Methyl tert-butyl ether	ND	1.0	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*10.4*		"	*10.0*		*104*	*70-130*			
LCS (1G10021-BS1)				Prepared & Analyzed: 07/09/01						
Methyl tert-butyl ether	7.87	1.0	ug/l	10.0		78.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	*10.7*		"	*10.0*		*107*	*70-130*			
Matrix Spike (1G10021-MS1)		**Source: MKF0706-10**		Prepared & Analyzed: 07/09/01						
Methyl tert-butyl ether	12.6	1.0	ug/l	10.0	3.9	87.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	*9.94*		"	*10.0*		*99.4*	*70-130*			
Matrix Spike Dup (1G10021-MSD1)		**Source: MKF0706-10**		Prepared & Analyzed: 07/09/01						
Methyl tert-butyl ether	13.3	1.0	ug/l	10.0	3.9	94.0	70-130	5.41	25	
Surrogate: 1,2-Dichloroethane-d4	*10.2*		"	*10.0*		*102*	*70-130*			

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Blaine Tech Services (Shell)	Project: 8930 Bancroft Ave.	
1680 Rogers Avenue	Project Number: 8930 Bancoft Ave., Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	07/16/01 09:55

Notes and Definitions

A-01	MTBE was prepared on 7/5/01.
M-03	Sample was analyzed at a second dilution.
P-03	Chromatogram Pattern: Unidentified Hydrocarbons C6-C12
S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample.
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
RPD	Relative Percent Difference

LAB: Sequoia

EQUIVA Services LLC Chain Of Custody Record

Lab Identification (If necessary):

Address:

City, State, Zip:

Equiva Project Manager to be invoiced: Karen Petryna

- [x] SCIENCE & ENGINEERING
- [ ] TECHNICAL SERVICES
- [ ] CRMT HOUSTON

INCIDENT NUMBER (S&E ONLY): 98995742

SAP or CRMT NUMBER (TS/CRMT):

DATE: 6-27-01

PAGE: 1 of 1

CONSULTANT COMPANY: Blaine Tech Services

ADDRESS: 1680 Rogers Avenue

CITY: San Jose, CA 95112

TELEPHONE: 408-573-0555 FAX: 408-573-7771 E-MAIL: nsudano@blainetech.com

SITE ADDRESS (Street and City): 8930 Bancroft Avenue, Oakland

PROJECT CONTACT (Report to): Nick Sudano

CONSULTANT PROJECT NO.: BTS # 010627-C1

SAMPLER NAME(S) (Print): Hank Castro

LAB USE ONLY: MKF0742

TURNAROUND TIME (BUSINESS DAYS):
[X] 10 DAYS [ ] 5 DAYS [ ] 72 HOURS [ ] 48 HOURS [ ] 24 HOURS [ ] LESS THAN 24 HOURS

[ ] LA - RWQCB REPORT FORMAT [ ] UST AGENCY: _____

GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

SPECIAL INSTRUCTIONS OR NOTES: TEMPERATURE ON RECEIPT C°

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable (8015m)	BTEX (8021B)	MTBE (8021B)	MTBE (8260B)	TPH - Diesel, Extractable (8015m)	Oxygenates (5) by (8260B)	Ethanol, Methanol (8015B)	MTBE (8260B) Confirmation, See Note	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
01	MW-1 J	6/27	1320	W	3	X	X	X						
02	MW-2 J		1305		3	X	X	X						
03	MW-3 J		1048		3	X	X	X						
04	MW-4 J		1155		6	X	X	X	X					
05	MW-5 J		1222		3	X	X	X						
06	MW-6 J		1241		3	X	X	X						

Relinquished by: (Signature) Hank Castro	Received by: (Signature)	Date: 6/28/01	Time: 600
Relinquished by: (Signature)	Received by: (Signature) T Shelley (MH) SEQ	Date: 6/28/01	Time: 1055
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

White report, Green to File, Yellow and Pink to Client.

10/16/00 Revision

Q&Q Graphic (714) 898-9702

WELL GAUGING DATA

Project # 010627-C1 Date 6-27-01 Client Equiva

Site 8930 Bancroft Oak.

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	3					14.90	16.58	
MW-2	3	Bad smell in wellbox d(urine) (Feces)				14.88	19.20	
MW-3	3					13.16	19.66	
MW-4	3					12.97	19.57	
MW-5	3					13.89	19.64	
MW-6	3	Bad smell in wellbox d(urine) (Feces)				14.95	19.70	

EQUIVA WELL MONITORING DATA SHEET

BTS #: 010627-C1	Site: 8930 Bancroft
Sampler: Hank	Date: 6-27-01
Well I.D.: MW-1	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth: 16.88	Depth to Water: 14.90
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- Bailer
- X Disposable Bailer
- Middleburg
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method: Bailer

- X Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

0.7 (Gals.) X 3 = 2.1 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1310	67.2	6.5	350	>200	.7	
1313	67.2	6.4	378	>200	1.4	
1316	67.4	6.4	372	>200	2.1	

Did well dewater? Yes (No)	Gallons actually evacuated: 2.1
Sampling Time: 1320	Sampling Date: 6-27-01
Sample I.D.: MW-1	Laboratory: (Sequoia) Columbia Other_____
Analyzed for: (TPH-G BTEX MTBE) TPH-D	Other:
EB I.D. (if applicable): @ Time	Duplicate I.D. (if applicable):
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

BTS #: 010627-C1	Site: 8930 Bancroft
Sampler: Hank	Date: 6-27-01
Well I.D.: MW-2	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth: 19.20	Depth to Water: 14.88
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:
- Bailer
- X Disposable Bailer
- Middleburg
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method:
- Bailer
- X Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

1.5 (Gals.) X 3 = 4.5 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1253	67.6	6.5	355	>200	1.5	
1256	67.8	6.4	372	>200	3	
1300	67.1	6.2	364	>200	4.5	

Did well dewater? Yes (No) Gallons actually evacuated: 4.5

Sampling Time: 1305 Sampling Date: 6-27-01

Sample I.D.: MW-2 Laboratory: (Sequoia) Columbia Other_____

Analyzed for: (TPH-G BTEX MTBE) TPH-D Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

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

BTS #: 010627-C1	Site: 8930 Bancroft
Sampler: Hank	Date: 6-27-01
Well I.D.: MW-3	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth: 19.66	Depth to Water: 13.16
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:
- Bailer
- X Disposable Bailer
- Middleburg
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other ____

Sampling Method:
- Bailer
- X Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: ____

2.4 (Gals.) X 3 = 7.2 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1035	69.2	6.3	442	>200	2.5	
1039	69.0	6.3	468	>200	5	
1043	69.4	6.6	471	>200	7.5	

Did well dewater? Yes (No) Gallons actually evacuated: 7.5

Sampling Time: 1048 Sampling Date: 6-27-01

Sample I.D.: MW-3 Laboratory: (Sequoia) Columbia Other ____

Analyzed for: (TPH-G BTEX MTBE) TPH-D Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

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

BTS #: 010627-C1	Site: 8930 Bancroft
Sampler: Hank	Date: 6-27-01
Well I.D.: MW-4	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth: 14.57	Depth to Water: 12.97
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:
- Bailer
- X Disposable Bailer
- Middleburg
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method:
- Bailer
- X Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

2.4 (Gals.) X	3	=	7.2 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1140	68.3	6.7	414	>200	2.5	
1144	68.2	6.7	441	>200	5	
1148	68.3	6.8	461	>200	7.5	

Did well dewater? Yes (No) Gallons actually evacuated: 7.5

Sampling Time: 1155 Sampling Date: 6-27-01

Sample I.D.: MW-4 Laboratory: (Sequoia) Columbia Other_____

Analyzed for: (TPH-G BTEX MTBE) TPH-D Other: MTBE by 8260

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

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

BTS #: 010627-C1	Site: 8930 Bancroft
Sampler: Hank	Date: 6-27-01
Well I.D.: MW-5	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth: 19.64	Depth to Water: 13.89
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:
- Bailer
- X Disposable Bailer
- Middleburg
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method: Bailer
- X Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

2.1 (Gals.) X 3 = 6.3 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1210	69.3	6.5	351	>200	2.1	
1213	69.1	6.5	369	>200	4.2	
1217	69.2	6.4	381	>200	6.3	

Did well dewater? Yes (No)	Gallons actually evacuated: 6.3
Sampling Time: 1222	Sampling Date: 6-27-01
Sample I.D.: MW-5	Laboratory: (Sequoia) Columbia Other_____
Analyzed for: (TPH-G BTEX MTBE) TPH-D	Other:
EB I.D. (if applicable): @ Time	Duplicate I.D. (if applicable):
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

BTS #: 010627-C1	Site: 8930 Bancroft
Sampler: Hank	Date: 6-27-01
Well I.D.: MW-6	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth: 19.70	Depth to Water: 14.95
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:
- Bailer
- X Disposable Bailer
- Middleburg
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method:
- Bailer
- X Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

1.7 (Gals.) X 3 = 5.1 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1230	68.6	6.5	384	>200	1.7	Odor (Urine)
1233	68.2	6.4	410	>200	3.4	↓ (Pieces)
1236	68.2	6.5	401	>200	5.1	↓ [redacted]

Did well dewater? Yes (No) Gallons actually evacuated: 5.1

Sampling Time: 1241 Sampling Date: 6-27-01

Sample I.D.: MW-6 Laboratory: (Sequoia) Columbia Other_____

Analyzed for: (TPH-G BTEX MTBE) TPH-D Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

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