September 29, 2000

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

Re:

Second Quarter 2000 Monitoring and Remediation Report

Shell-branded Service Station 8930 Bancroft Avenue Oakland, California Incident #98995742 Cambria Project #242-1408-002

②

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.

SECOND QUARTER 2000 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). The Blaine report, presenting the laboratory report and supporting field documents, is included as Attachment A.

Groundwater Extraction Mobile Treatment: In March 2000, Cambria began coordinating weekly groundwater extraction events from well MW-4. Groundwater extraction was performed onsite until the end of May, 2000. Hydrocarbon mass removal calculations for extracted groundwater are presented in Table 1.

Oakland, CA San Ramon, CA Sonoma, CA Portland, OR

ANTICIPATED THIRD QUARTER 2000 ACTIVITIES

Cambria Environmental Technology, Inc.

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

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

CAMBRIA

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.

No. EG 2058 CERTIFIED ENGINEERING

Sincerely,

Cambria Environmental Technology, Inc

3

Troy A. Buggle Project Scientist

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

Figure:

1 - Groundwater Elevation Contour Map

Table:

1 - Mass Removal Data

Attachment: A - Blaine Groundwater Monitoring Report and Field Notes

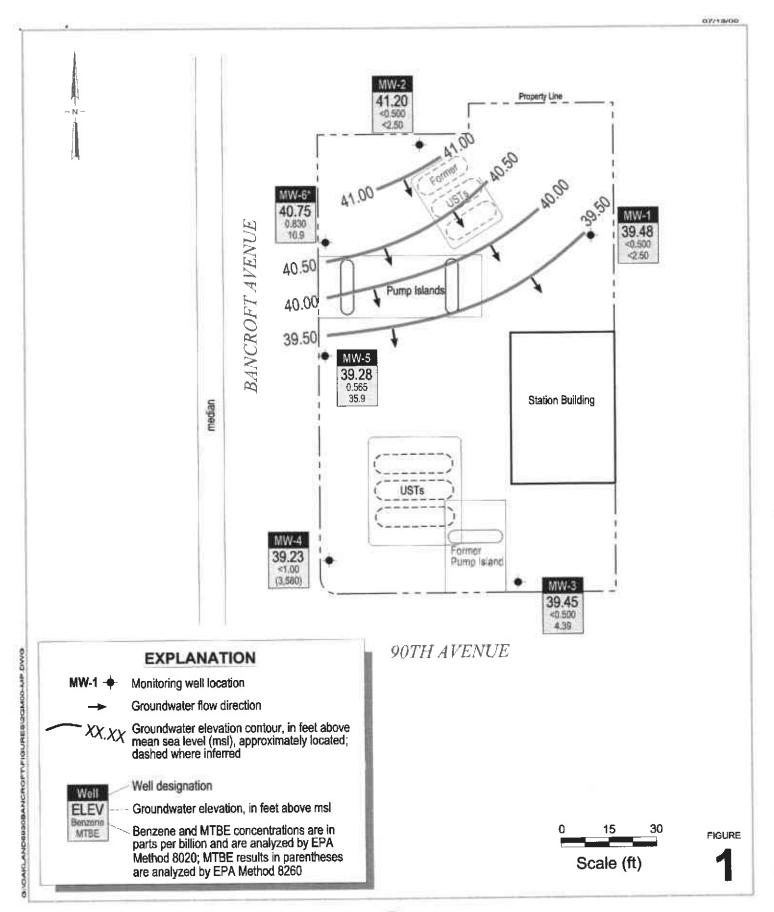
cc:

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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Shell-branded Service Station

8930 Bancroft Avenue Oakland, California Incident #98995742



Groundwater Elevation Contour Map

Table 1: Mass Removal Data - Shell-branded Service Station, Incident #98995742, 8930 Bancroft ,Oakland, CA

			Cumulative				ТРРН			Benzene			MtBE
		Volume	Volume		TPPH	TPPH	Removed	Benzene	Benzene	Removed	MtBE	MtBE	Removed
Date	Well	Pumped	Pumped	Date	Concentration	Removed	To Date	Concentration	Removed	to Date	Concentration	Removed	To Date
Purged	ID	(gal)	(gal)	Sampled	(ppb)	(lb)	(lb)	(ppb)	(lb)	(lb)	(ppb)	(lb)	(lb)
03/15/00	MW-4	650	650	12/23/99	< 100	< 0.00054	< 0.00054	< 1.0	< 0.00001	< 0.00001	8,400	0.04556	0.04556
03/22/00	MW-4	100	750	03/22/00	< 500	< 0.00042	< 0.00096	< 5.00	< 0.00000	< 0.00001	5,020	0.00419	0.04975
03/27/00	MW-4	75	825	03/22/00	< 500	< 0.00031	< 0.00127	< 5.00	< 0.00000	< 0.00001	5,020	0.00314	0.05289
04/03/00	MW-4	150	975	03/22/00	< 500	< 0.00063	< 0.00190	< 5.00	< 0.00001	< 0.00002	5,020	0.00628	0.05917
04/17/00	MW-4	300	1,275	03/22/00	< 500	< 0.00125	< 0.00315	< 5.00	< 0.00001	< 0.00003	5,020	0.01257	0.07174
04/24/00	MW-4	150	1,425	03/22/00	< 500	< 0.00063	< 0.00378	< 5.00	< 0.00001	< 0.00004	5,020	0.00628	0.07802
05/01/00	MW-4	75	1,500	03/22/00	< 500	< 0.00031	< 0.00409	< 5.00	< 0.00000	< 0.00004	5,020	0.00314	0.08117
05/08/00	MW-4	150	1,650	03/22/00	< 500	< 0.00063	< 0.00471	< 5.00	< 0.00001	< 0.00005	5,020	0.00628	0.08745
05/15/00	MW-4	75	1,725	03/22/00	< 500	< 0.00031	< 0.00503	< 5.00	< 0.00000	< 0.00005	5,020	0.00314	0.09059
05/22/00	MW-4	75	1,800	03/22/00	< 500	< 0.00031	< 0.00534	< 5.00	< 0.00000	< 0.00005	5,020	0.00314	0.09373
05/29/00	MW-4	75	1,875	03/22/00	< 500	< 0.00031	< 0.00565	< 5.00	< 0.00000	< 0.00006	5,020	0.00314	0.09687
									ato voltes essessimi			IIII DANGA SA	
	Total Gallon	s Extracted:	1,875	Total	Pounds Removed	l: < 0.00565			< 0.00006			0.09687	
				Total (Gallons Removed	: < 0.00093			< 0.00001			0.01562	

Abbreviations & Notes:

TPPH = Total purgeable hydrocarbons as gasoline

MtBE = Methyl tert-butyl ether

μg/L = Micrograms per liter

ppb = Parts per billion, equivalent to µg/L.

lb = Pound

SPH = Separate Phase Hydrocarbons

L = Liter

gal = Gallon

g = Gram

Mass removed based on the formula: volume extracted (gal) x Concentration (µg/L) x (g/10⁶µg) x (pound/453.6g) x (3.785 L/gal)

Volume removal data based on the formula: density (in gms/cc) x 9.339 (ccxlbs/gmsxgals)

MTBE data in bold font by 8260, all other MTBE by 8020

ATTACHMENT A Blaine Groundwater Monitoring Report and Field Notes



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

June 28, 2000

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

> Second Quarter 2000 Groundwater Monitoring at Shell-branded Service Station 8930 Bancroft Avenue Oakland, CA

Monitoring performed on June 1, 2000

Groundwater Monitoring Report 000601-F-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, calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater (if applicable) is, likewise, collected and transported to the Shell Martinez Manufacturing Complex.

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. In order to avoid compromising the objectivity necessary for the proper and disinterested performance of this work, Blaine Tech Services, Inc. concentrates on objective data collection and does not participate in the interpretation of analytical results, the definition of geological or hydrological conditions, the formulation of recommendations, or the marketing of remedial systems.

Please call if you have any questions.

Yours truly,

Deidre Kerwin Operations Manager

DK/jt

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	ТРРН	TEPH	В	T	E	x	MTBE 8020	MTBE 8260	тос	Depth to Water	GW Elevation
* 8		(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(MSL)	(ft.)	(MSL)
MW-1	12/17/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	53.19	11.87	41.32
MW-1	03/09/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	53.19	8.21	44.98
MW-1	06/16/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	53.19	15.04	38.15
MW-1	09/30/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	53.19	16.02	37.17
MW-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-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	52.68	11.46	41.20
			70									
MW-3	12/17/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	10	11	51.30	11.85	39.45
MW-3	03/09/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	51.30	6.53	44.77
MW-3	06/16/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	51.30	12.71	38.59
MW-3	09/30/1999	<50.0	NA	<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

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)
		1.0.7	, ,	(-0-/	(-0-7	1-5-7	1-0-7	(-5-)	1-5-7		17	
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-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
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
			-,									v
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

WELL CONCENTRATIONS

Shell-branded Service Station 8930 Bancroft Avenue

Oakland, CA

Wic #204-5508-1305

								MTBE	MTBE		Depth to	GW
Well ID	Date	TPPH	TEPH	В	Т	E	X	8020	8260	TOC	Water	Elevation
		(ug/L)	(MSL)	(ft.)	(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

msi = Mean sea level

ft = Feet

<n = Below detection limit

NA = Not applicable



20 June, 2000

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

RE: 8930 Bancroft Ave. Sequoia Report: MJF0058

Enclosed are the results of analyses for samples received by the laboratory on 06/02/00 12:51. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ted Terrasas Project Manager

CA ELAP Certificate #1210





1680 Rogers Avenue San Jose CA, 95112 Project: 8930 Bancroft Ave.

Project Number: 8930 Bancoft Ave./ Oakland

Project Manager: Nick Sudano

Reported: 06/20/00 16:36

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	МЈF0058-01	Water	06/01/00 14:06	06/02/00 12:51
MW-2	МЈF0058-02	Water	06/01/00 15:12	06/02/00 12:51
MW-3	MJF0058-03	Water	06/01/00 14:22	06/02/00 12:51
MW-4	MJF0058-04	Water	06/01/00 14:58	06/02/00 12:51
MW-5	MJF0058-05	Water	06/01/00 14:24	06/02/00 12:51
MW-6	MJF0058-06	Water	06/01/00 14:42	06/02/00 12:51

Sequoia Analytical - Morgan Hill

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.

Ted Terrasas, Project Manager

Page 1 of 7



Project: 8930 Bancroft Ave.

1680 Rogers Avenue San Jose CA, 95112 Project Number: 8930 Bancoft Ave./ Oakland

Project Manager: Nick Sudano

Reported: 06/20/00 16:36

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 (MJF0058-01) Water	Sampled: 06/01/00 14:06	Received:	06/02/00	12:51					
Purgeable Hydrocarbons	ND	50.0	ug/I	1	0F07002	06/07/00	06/07/00	DHS LUFT	
Benzene	ND	0.500	п	19	37	h	N	n	
Toluene	ND	0.500	H	n	17	#	ŧ1	"	
Ethylbenzene	ND	0.500	#	**	10	*	"	10	
Xylenes (total)	ND	0.500		#	н	Ħ	46	19	
Methyl tert-butyl ether	ND	2.50	**	11	и	11	rr	10	
Surrogate: a,a,a-Trifluorotolue	ene	107 %	70	-130	п	"	"	"	
MW-2 (MJF0058-02) Water	Sampled: 06/01/00 15:12	Received:	06/02/00	12:51					
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0F07002	06/07/00	06/07/00	DHS LUFT	
Benzene	ND	0.500	10	II .	**	н	"	**	
Toluene	ND	0.500	н .	н	*	n	19	NT.	
Ethylbenzene	ND	0.500	n	**	"	Ħ	н	· . **	
Xylenes (total)	ND	0.500	н	**	*	17	н	и	
Methyl tert-butyl ether	ND	2.50	n	**	**	10	n	я	
Surrogate: a,a,a-Trifluorotolue	 ene	104 %	70	-130	,,	"	"	"	
MW-3 (MJF0058-03) Water	Sampled: 06/01/00 14:22	Received:	06/02/00	0 12:51					
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0F07002	06/07/00	06/07/00	DHS LUFT	
Benzene	ND	0.500	#	ij	п	п		N	
Toluene	0.821	0.500	#	H	Ħ	н	•	tt	
Ethylbenzene	ND	0.500	и	н	*	н		**	
Xylenes (total)	ND	0.500	и	н	17	Ħ	В	er e	
Methyl tert-butyl ether	4.39	2.50	u		19	*1	"	11	
Surrogate: a,a,a-Trifluorotolus	ene	105 %	70	-130		tt	ı,	"	



Project: 8930 Bancroft Ave.

1680 Rogers Avenue San Jose CA, 95112 Project Number: 8930 Bancoft Ave./ Oakland

Reported: 06/20/00 16:36

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

Project Manager: Nick Sudano

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<u></u>	·				———	Tropured	7 Mai y Zou		Notes
MW-4 (MJF0058-04) Water	Sampled: 06/01/00 14:58	Received:	06/02/00	12:51					
Purgeable Hydrocarbons	ND	100	ug/l	2	0F07002	06/07/00	06/07/00	DHS LUFT	
Benzene	ND	1.00	u	и	н	11	16		
Toluene	ND	1.00	"	17		17	et .		
Ethylbenzene	ND	1.00	0	16	**	If	*1		
Xylenes (total)	ND	1.00	n	**	44	41	*1	If	
Methyl tert-butyl ether	5260	125	н	50	u	п	06/07/00	**	M-03
Surrogate: a,a,a-Trifluorotolue	ene	103 %	70-	130	·-····	ri	06/07/00	rr	
MW-5 (MJF0058-05) Water	Sampled: 06/01/00 14:24	Received:	06/02/00	12:51					
Purgeable Hydrocarbons	227	50.0	ug/I	1	0F07002	06/07/00	06/07/00	DHS LUFT	P-03
Benzene	0.565	0.500	**	ш	H	**	n n	•	
Toluene	ND	0.500	Ħ	lt	H	ft	n	п	
Ethylbenzene	ND	0.500	п	н	н	n	19	a .	
Xylenes (total)	ND	0.500	77	19	19	н	77	н	
Methyl tert-butyl ether	35.9	2.50	**	**	**	ш	Ħ	п	
Surrogate: a,a,a-Trifluorotolue	ene	110 %	70-	130	"	11	"		
MW-6 (MJF0058-06) Water	Sampled: 06/01/00 14:42	Received:	06/02/00	12:51					~~
Purgeable Hydrocarbons	158	50.0	ug/l	į	0F07002	06/07/00	06/07/00	DHS LUFT	P-03
Benzene	0.830	0.500	u	19	10	ti	*1	17	
Toluene	ND	0.500		**	**	m	"	*1	
Ethylbenzene	ND	0.500	н	"	**	н	ė	n	
Xylenes (total)	1.10	0.500	19	**	Ħ	N	II	ti ti	
Methyl tert-butyl ether	10.9	2.50	19	**	H	19	tt	п	
Surrogate: a,a,a-Trifluorotolue	ene	130 %	70-	130	11	rr	н	<i>"</i>	





1680 Rogers Avenue San Jose CA, 95112 Project: 8930 Bancroft Ave.

Project Number: 8930 Bancoft Ave./ Oakland

Project Manager: Nick Sudano

Reported: 06/20/00 16:36

MTBE by EPA Method 8260A

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (MJF0058-04) Water	Sampled: 06/01/00 14:58	Received:	06/02/00	12:51					
Methyl tert-butyl ether	3580	500	ug/l	500	0F20005	06/14/00	06/14/00	EPA 8260A	
Surrogate: 1,2-Dichloroethane	-d4	80.0 %	70-	-130	"	#	"	n	



Project: 8930 Bancroft Ave.

1680 Rogers Avenue San Jose CA, 95112 Project Number: 8930 Bancoft Ave./ Oakland

Ave./ Oakland Reported: 06/20/00 16:36

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

Project Manager: Nick Sudano

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0F07002 - EPA 5030B [P/T]										
Blank (0F07002-BLK1)	-			Prepared	& Analyz	ed: 06/07/	00			
Purgeable Hydrocarbons	ND	50.0	ug/l							**************************************
Benzene	ND	0.500	п							
Toluene	ND	0.500	н							
Ethylbenzene	ND	0.500	#1							
Xylenes (total)	ND	0.500	**							
Methyl tert-butyl ether	ND	2.50	н							
Surrogate: a,a,a-Trifluorotoluene	11.0		"	10.0		110	70-130			
LCS (0F07002-BS1)				Prepared	& Analyze	ed: 06/07/	00			
Purgeable Hydrocarbons	245	50.0	ug/l	250		98.0	70-130			
Surrogate: a,a,a-Trifluorotoluene	15.7			10.0		157	70-130			S-0
Matrix Spike (0F07002-MS1)	Sc	ource: MJF00	58-01	Prepared	& Analyze	ed: 06/07/	00			
Purgeable Hydrocarbons	264	50.0	ug/l	250	ND	106	60-140			
Surrogate: a,a,a-Trifluorotoluene	15.8		н	10.0		158	70-130			_ S-0
Matrix Spike Dup (0F07002-MSD1)	Se	ource: MJF00	58-01	Prepared	& Analyze	ed: 06/07/	00			
Purgeable Hydrocarbons	261	50.0	ug/l	250	ND	104	60-140	1.14	25	··
Surrogate: a,a,a-Trifluorotoluene	15.0		· · · · · · · · · · · · · · · · · · ·	10.0		150	70-130			S-0.





1680 Rogers Avenue San Jose CA, 95112 Project: 8930 Bancroft Ave.

Project Number: 8930 Bancoft Ave./ Oakland

Project Manager: Nick Sudano

Reported: 06/20/00 16:36

MTBE by EPA Method 8260A - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0F20005 - EPA 5030B [P/T]					<u>-</u>					
Blank (0F20005-BLK1)				Prepared	& Analyze	ed: 06/14/	00			
Methyl tert-butyl ether	ND	1.00	ug/l							
Surrogate: 1,2-Dichloroethane-d4	8.91			10.0		89.1	70-130			
LCS (0F20005-BS1)				Prepared	& Analyz	ed: 06/14/	00			
Methyl tert-butyl ether	7.74	1.00	ug/l	10.0		77.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	7.21		"	10.0		72.1	70-130			
Matrix Spike (0F20005-MS1)	So	urce: MJF00	56-01	Prepared	& Analyz	ed: 06/14/	00			
Methyl tert-butyl ether	34400	2000	ug/l	20000	24000	52.0	70-130			Q-0
Surrogate: 1,2-Dichloroethane-d4	8.75		"	10.0		87.5	70-130			
Matrix Spike Dup (0F20005-MSD1)	So	urce: MJF00	56-01	Prepared	& Analyz	ed: 06/14/	00		٠.	·
Methyl tert-butyl ether	32400	2000	ug/l	20000	24000	42.0	70-130	5.99	25	Q-0
Surrogate: 1,2-Dichloroethane-d4	8.97			10.0		89.7	70-130			





Project: 8930 Bancroft Ave.

1680 Rogers Avenue San Jose CA, 95112 Project Number: 8930 Bancoft Ave./ Oakland

Project Manager: Nick Sudano

Reported: 06/20/00 16:36

Notes and Definitions

M-03 Sample was analyzed at a second dilution per clients request.

P-03 Chromatogram Pattern: Unidentified Hydrocarbons C6-C12

Q-01 The spike recovery for this QC sample is outside of established control limits. Review of associated batch QC indicates the

recovery for this analyte does not represent an out-of-control condition for the batch.

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

CHAIN OF CUSTOOY DISOLO 1	BLAINE SAN JOSE,	1580 ROGERS AVENUE CALIFORNIA 95112-1105		CON	DUCT	ANAL	YSIS 1	TO DE	TECT	
CLENT SQUIVA - KATEN PATEURS STE 8930 BANCHOLD FA OBALAND CONTAINESS SAMPLE ID MALE TIME AMPLING DATE TIME CAMPLING DATE MALE TO THE TIME CAMPLING DATE THE TIME CHARLES OF THE TIME CHARLES	TECH SERVICES RG.	FAX (408) 573-7771 PHONE (408) 573-0555								ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION HUTTE
EQUIVA - KATEN PETTYND STE 8930 BANCROST AVE. Oakland, CA MARPING CONTAILED BY A BANCROST TOTAL VOAS CONTAILED BY ADDITIONAL TIME AND TOTAL VOAS CONTAILED BY ADDITIONAL STATUS CONDITION LAB SAMPLES MANUAL - C I SIZ MANUAL -	1	Ca								Dr.
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Oakland, CA Incident # 98995742 Send report to Blaine Tech Services Attn: attn: attn: attn: pacher MCL DAN D ADDI REFORMATION STATUS COMMINION LAB SAMPLE # OALLA CA O	19116	IB H					اه	9010		10,70008
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DATE SENT COOLER#	HIPPED VIA								-	DATE TIME
	•	DATE SENT	TI	ME SE	NT	CO	OLER	# \		

WELL GAUGING DATA

Project # <u>900601 +3</u> Date <u>6-1</u>	Client Equis A
Site <u>0930 Bancroff</u> AVE.	OAKland CA.

	1	<u> </u>		Thickness	Volume of	T			
	Well		Depth to	of	Immiscibles	II .	•		
	Size	Sheen /	Immiscible	ľ			75. 0 . 11	Survey	
Well ID	(in.)	Odor	Liquid (ft.)			Depth to water	Depth to well		
	()		Diquid (II.)	Liquid (IL.)	(1111)	(ft.)	bottom (ft.)	or ((C)	
nici-1	3				The state of the s	13.71	1681	- Committee of the comm	
MW-2	3					11.46	19.63		
mu-3	3					11.85			
MW-2 MW-3 MW-4	3					1150	19.49		
							1 1.44 [
mw-S	3	1				12.15	19.60		
mw-5 mw-6	3	-		Tr. proper season		11.13	19.67	\bigvee	· <u>-</u>
	# H H H H H H H H H H H H H H H H H H H						**************************************		
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Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (408) 573-0555

		~~~		· · · · · · · · · · · · · · · · · · ·				
BTS #:	00060	1 43	>	Site: Ze	X4 - S	<u> </u>	305	
Sampler:	Mikt	5,	-	Date: 6	-1-0	Ge		
Well I.D.	. 4	1W-1		Well Diameter: 2 (3) 4 6 8				
Total We		16.81		Depth to Water: \3.7\!  Thickness of Free Product (feet):				
Depth to	Free Produ	ict:						
Reference	ed to:	PVC	Grade	D.O. Meter (	if req'o	i):	YSI HACH	
Purge Metho	od: Bailer Disposable Ba Middleburg Electric Subm	nersible	Waterra Peristaltic Extraction Pump Other	Well Diar	Disj Ex Ded	)4 4"	<u>Piameter Multiplier</u> 0.65	
1 Case Volum	_(Gals.) X _ neSp	ecified Volum	$\frac{1}{\text{mes}} = \frac{3.4}{\text{Calculated Vol}}$	_ Gals. 2" olume 2"	0.1 0.3		1.47 radius ² * 0.163	
Time	Temp (°F)	pН	Cond.	Turbidity	Gal	s. Removed	Observations	
1402	68.7	69	429	25		2	dea	
1403	69.3	6.90	425	120		3	Cloudy -	
1404	69.1	6.63	424	200		4	BrowN	
Did well	dewater?	Yes (	No	Gallons actua	ılly ev	acuated:	4	
Sampling	Time:	1406	2	Sampling Date: 6-1-00				
Sample I.	D.:	MW-	1	Laboratory:	Sequ	Colum	abia Other	
Analyzed	for: IPH-		MTBE TPH-D	Other:				
EB I.D. (if applicable): @ Time				Duplicate I.D. (if applicable):				
Analyzed	for: трн-	G BTEX	MTBE TPH-D	Other:				
D.O. (if r	eq'd):		Pre-purge:	m	^B /L	Post-purge:	mg/ _L	
O.R.P. (if	f req'd):		Pre-purge:	m	V	Post-purge:	mV	

Project #	: 000	601 E	3	Job# ZO4	-5508-13	<b>3</b> 0S	
Sampler:	W.	int S			-(- <i>0</i> D		
Well I.D.	•	MW-2		Well Diamete	er: 2 <b>3</b> 4	6 8	
Total We	ll Depth:	19	.69	Depth to Wat	er: 11.46		
Depth to	Free Prod	ıct:		Thickness of	Free Product (fe	et):	
Reference	ed to:	PVC	Grade	D.O. Meter (i	f req'd):	YSI F	
Purge Metho	Well Diame 2" 3" 4"	Bailer	Multiplier 0.16 0.37 0.65	Well Diameter  5" 6" Other rac  Sampling Method	Multiplier 1.02 1.47 dius ² * 0.163 l: Railer		
ı		Middleburg etric Submers xtraction Pun		Other	Extraction Port		
		) ime (Gals.)	X 3 Specified Vo	= 9.0 Olumes Ca	Gals.		
Time	Temp (°F)	pН	Cond.	Turbidity	Gals. Removed	Observ	ations
1508	72.3	7.0	417	7100	3	Krown	1000K
1509	77.4	6.9	409	7200	6	1	1
1510	724	6.5	413	7200	9	V	1
			<u> </u>				
Did well d	ewater?	Yes (	мд	Gallons actuall	y evacuated:	7	
Sampling [	Time:		1512	Sampling Date	: 6-1-0	9D	
Sample I.C	D.:	mw	2_	Laboratory:	Sequora BC	Other	
Analyzed f	for: TPH-C	BTEX	MTBE TPH-D	Other:			
D.O. (if red	q'd):		Pre-purge:	mg/L	Post-purge:		mg/L
שות ליב.	req'd):		Pre-purge:	mV	Post-purge:		mV

BTS #:	0000	<del>01 f</del> 3	3	Site:	204	<u>- 55</u>	<u>)~ල</u>	<u>305</u>	<u> </u>	
Sampler:		£ <b>S</b> .		Date:	6-1	1-00				
Well I.D.		w-3		Well I	Diameter	: 2 (	3) 4	6	8	
Total We	<u> </u>	19.69		Depth to Water: 11.85						
Depth to	Free Produ	ict:	Thickness of Free Product (feet):							
Reference	ed to:	(PVC)	Grade	D.O. M	leter (if	req'd):		YSI	НАСН	
Purge Method:  Bailer Waterra  Disposable Bailer Peristaltic  Middleburg Extraction Pump  Plectric Submersible Other					g Method: Other:	Disposab Extracti Dedicated	le Bailer on Port d Tubing	Diameter	Mயuplier	<u> </u>
29 1 Case Volum	_(Gals.) X _ neSp	3 pecified Volum	= 8.7 Tres Calculated V	_ Gals.	1" 2" 3"	0.04 0.16 0.37	4" 6" Other		0.65 1.47 radius ² * 0.163	
Time	Temp (°F)	pН	Cond.	Turt	oidity	Gals. Re	moved		Observations	
1418	68.7	6.8	639	72	00	3				
1419	65.1	6.9	647	77	100 100	6			<del>-</del>	
1420	69-0	6.9	643	77	ωυ	9				
										<u> </u>
Did well	dewater?	Yes (	No	Gallons	s actually	у ечасца	ted: 🗸	3		
Sampling	Time:	142	22	Sampling Date: 6-1-00						
Sample I.D.: MW-3					Laboratory: Sequoid Columbia Other					
Analyzed for: PH-G PTEX MTBF TPH-D				Other:						
EB I.D. (if applicable): @ Time					Duplicate I.D. (if applicable):					
Analyzed	for: TPH-0	G BTEX	MTBE TPH-D	Other:						
D.O. (if re	eq'd):		Pre-purge:		mg/L	Pos	t-purge:			$^{\mathrm{mg}}/_{\mathrm{L}}$
O.R.P. (if	req'd):		Pre-purge:		mV	Pos	t-purge:		I	mV
			•							

Project #: 000601 53	Job#	704-5508-	1305				
Sampler: Wike S.	Date:	6-1-00					
Well I.D.: mw-4	Well Dia	Well Diameter: 2 (3) 4 6 8					
Total Well Depth: 1949	Depth to	Depth to Water: 11.50 Thickness of Free Product (feet):					
Depth to Free Product:	Thicknes						
Referenced to: (PVC)		ter (if req'd):	YSI HACH				
Well Diameter         Multiplie           2"         0.16           3"         0.37           4"         0.65	<u>Well Diameter</u> 5" 6" Other	<u>Multiplier</u> 1.02 1.47 radius ² * 0.163					
Purge Method: Bailer  Middleburg  Lectric Submersible  Extraction Pump  Other:	Sampling N	Method: Pailer Extraction Port Other:					
Case Volume (Gais.)	Specified Volumes =	Gals. Calculated Volume					
Time Temp (°F) pH	Cond. Turbid	ity Gals. Removed	d Observations				
1454 71.2 6.7 E	13 25	3					
1455 71.9 6.5 46	7	7200 6					
1456 723 6.5 4	65	2000 9					
Did well dewater? Yes No	Gallons a	ctually evacuated:	9				
Sampling Time: 1458	Sampling	Date: 6-1-6	වට				
Sample I.D.: ww-4	Laborator	y: Sequoia BC	Other				
Analyzed for: TPH-0 BTEX MTBR	TPH-D Other:						
D.O. (if req'd):	Pre-purge:	mg/L Post-purge	mg/L				
O.R.P. (if req'd):	Pre-purge:	mV Post-purge	mV				

Project #	: 000	601 f	3	Job# 200	(-5508-12	305	
Sampler:	Mik	to S.		Date: 6	-1-00		
Well I.D.	.:	MWE	<u> </u>	Well Diamete	r: 2 (3) 4	6 8	
Total We	ell Depth:	(9.t	ට	Depth to Wate	er: 12.15		
Depth to	Free Produ	ıct:		ļ	Free Product (fe	et):	
Referenc	ed to:	PVC	Grade	D.O. Meter (in	f req'd):	YSI HAC	
	Well Diame 2" 3" 4"	ter	<u>Multiplier</u> 0.16 0.37 0.65	Well Diameter 5" 6"	Multiplier 1.02 1.47 lius² * 0.163		
Purge Meth	od:	Bailer		Sampling Method	Bailer		
	\ <del>/</del>	Middleburg	<b>4.</b> 1		Extraction Port		
		ctric Submers extraction Pure		Other	•	-	
	Other:	<del></del>					
	_ 2	.7	·x _ 3	= 8	.2 Gals.		
	1 Case Voli	ume (Gals.)	Specified Vo	olumes Ca.	lculated Volume		
Time	Temp (°F)	pН	Cond.	Turbidity	Gals. Removed	Observati	ons
1520	719	6.9	525	7200	3	Brown	
1521	72.4	6.8	530	7200	6		
1522	72:7	6-7	534	7200	9		
				_			
Did well o	dewater?	Yes 🤇	Ne	Gallons actuall	y evacuated:	9	
Sampling	Time:	]	524	Sampling Date	6-1-0	0	
Sample I.I	D.:	MW- E	ś	Laboratory: (	Sequoia BC	Other	
Analyzed	for: (TPH-	BFEX (	MTBE TPH-D	Other:			
D.O. (if re	eq'd):		Pre-purge:	mg/L	Post-purge:		mg/L
O.R.P. (if	req'd):		Pre-purge:	mV	Post-purge:		mV

Project #		· ( p)	CO	Job# 2011	•	<del></del>				
		<u> </u>	+5	7,09-3508-1303						
Sampler	M	ike S	•	Date: 6	-1-00					
Well I.D	.: <u>n</u>	1W-6		Well Diameter: 2 3 4 6 8						
Total We	ell Depth:	19.6	]	Depth to Wat	Depth to Water: 11.13					
Depth to	Free Prod	uct:		Thickness of	Free Product (fe	et):				
Referenc		PVC	Grade	D.O. Meter (i	f req'd):	YSI	HACH			
	2" 3" 4"	eter	Multiplier 0.16 0.37 0.65	Well Diameter 5" 6"	<u>Multiplier</u> 1.02 1.47 dius ² * 0.163					
Purge Meth	7SIG	Bailer Middleburg ectric Submers Extraction Pur	sible .	Sampling Method Other	Extraction Port					
	<b>3.1</b> .1 Case Vol	ume (Gals.)	X <b>3</b> Specified Vo	olumes = 9.0	Gals.					
Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Obse	rvations			
1438	68.5	6.9	389	7200	4	Black	DOOR			
1439	68.9	6.8	393	169	8	1	. / .			
1440	69.3	6.8	397	7200	10	<b>V</b>				
		·								
Did well o	lewater?	Yes (	No	Gallons actual	y evacuated:	10				
Sampling	Time:	1447	2	Sampling Date	: 6-1-00	う う	-			
Sample I.I	D.:	MW-6		Laboratory: (	Sequoia BC	Other_				
Analyzed	for: (PH-	BTEX (	MTBR TPH-D	Other:						
D.O. (if re	q' <b>d</b> ):		Pre-purge:	mg _/ L	Post-purge:	00 00	mg _{/L}			
O.R.P. (if	req'd):		Pre-purge:	mV	Postsporge:	. 080.03	mV			
					7.	A 3- 13 M 1 A				