

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

Re: **Third Quarter 2000 Monitoring and Remediation Report**
Shell-branded Service Station
8930 Bancroft Avenue
Oakland, California
Incident #98995742
Cambria Project #242-1408-002



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.

THIRD 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). Blaine's report, presenting the laboratory report and supporting field documents, is included as Attachment A.

ANTICIPATED FOURTH QUARTER 2000 ACTIVITIES

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

Site Investigation Work Plan: Cambria submitted a work plan dated December 5, 2000 in response to you letter dated December 12, 2000. Upon your approval of the work plan, Cambria will proceed with the proposed scope of work.

Oakland, CA
San Ramon, CA
Sonoma, CA
00 JAN -2 PM 4: 16
ENVIRONMENTAL PROTECTION

**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



for: *Stephan Bork*
Troy A. Buggle
Project Scientist

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

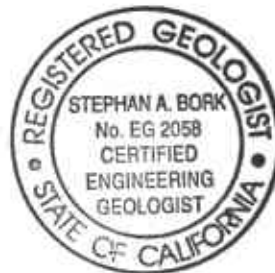


Figure: 1 - Groundwater Elevation Contour Map

Table: 1 - Groundwater Extraction - 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

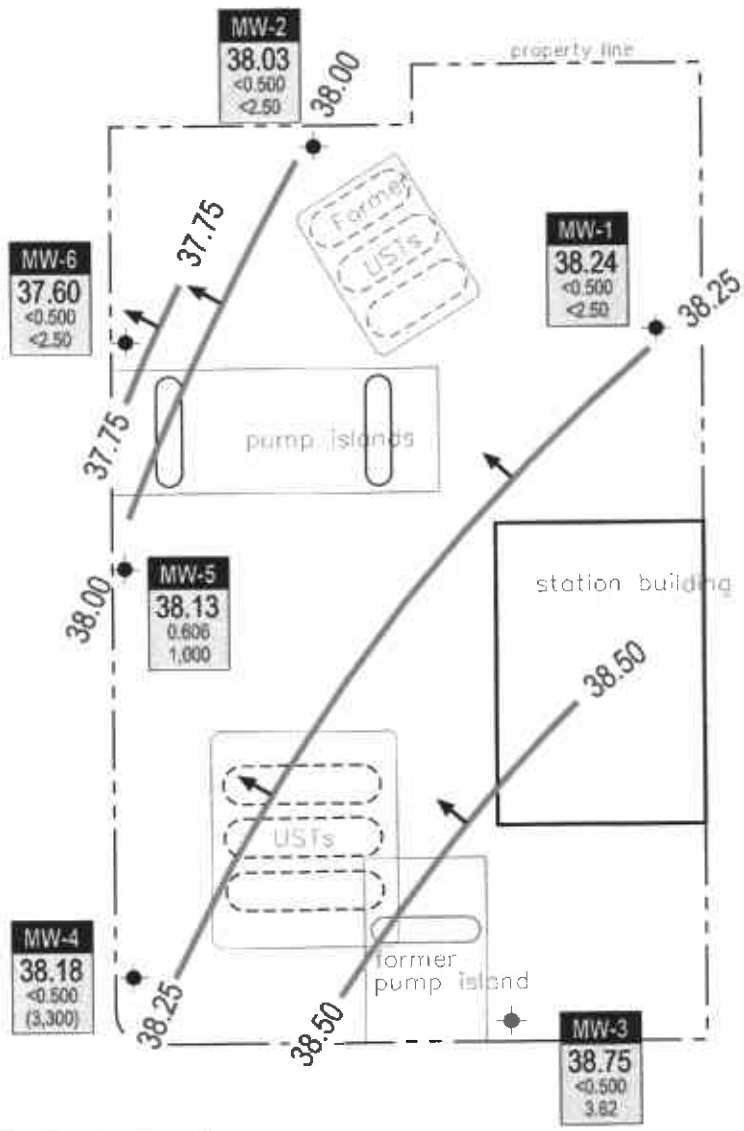
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median

BANCROFT AVENUE

90TH AVENUE



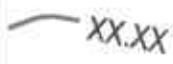
EXPLANATION

MW-1

Monitoring well location



Groundwater flow direction



Groundwater elevation contour, in feet above mean sea level (msl), approximately located; dashed where inferred

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



Scale (ft)

FIGURE

1

Shell-branded Service Station

8930 Bancroft Avenue
Oakland, California
Incident #98995742



C A M B R I A

Groundwater Elevation Contour Map

September 8, 2000

G:\OAKLAND\BANCROFT\FIGURES\30M00-MP.DWG

Table 1: Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98995742, 8930 Bancroft Avenue, Oakland, California

Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	TPPH			Benzene			MTBE		
					TPPH* Concentration (ppb)	TPPH Removed (pounds)	TPPH Removed To Date (pounds)	Benzene* Concentration (ppb)	Benzene Removed (pounds)	Benzene Removed To Date (pounds)	MTBE* Concentration (ppb)	MTBE Removed (pounds)	MTBE Removed To Date (pounds)
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
Total Gallons Extracted:			1,875		Total Pounds Removed:		< 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

L = Liter

gal = Gallon

g = Gram

* = Concentration based on most recent groundwater monitoring results

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)

TPPH, benzene analyzed by EPA Method 8015/8020

MTBE analyzed by EPA Method 8260 in bold font, all other MTBE analyzed by EPA Method 8020

Groundwater extracted by vacuum trucks provided by ACTI. Water disposed of at a Martinez Refinery.

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

October 4, 2000

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

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

Monitoring performed on September 8, 2000

Groundwater Monitoring Report **000908-S-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 Shell Martinez Manufacturing Complex.

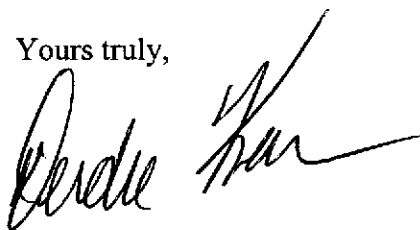
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

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,

A handwritten signature in black ink, appearing to read "Deidre Kerwin", written in a cursive style.

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	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)
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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-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-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
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

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)
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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-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
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-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

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)
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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

28 September, 2000

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

RE: 8930 Bancroft Ave.
Sequoia Report: MJ10193

Enclosed are the results of analyses for samples received by the laboratory on 09/11/00 11:49. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Wayne Stevenson
Client Services Manager

CA ELAP Certificate #1210





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

Project: 8930 Bancroft Ave.
Project Number: 8930 Bancroft Ave.
Project Manager: Nick Sudano

Reported:
09/28/00 16:47

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MJI0193-01	Water	09/08/00 11:37	09/11/00 11:49
MW-2	MJI0193-02	Water	09/08/00 11:54	09/11/00 11:49
MW-3	MJI0193-03	Water	09/08/00 11:29	09/11/00 11:49
MW-4	MJI0193-04	Water	09/08/00 12:09	09/11/00 11:49
MW-5	MJI0193-05	Water	09/08/00 13:01	09/11/00 11:49
MW-6	MJI0193-06	Water	09/08/00 12:44	09/11/00 11:49





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

Project: 8930 Bancroft Ave.
Project Number: 8930 Bancroft Ave.
Project Manager: Nick Sudano

Reported:
09/28/00 16:47

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 (MJI0193-01) Water Sampled: 09/08/00 11:37 Received: 09/11/00 11:49									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0120002	09/20/00	09/20/00	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.50	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		87.8 %	70-130	"	"	"	"	"	
MW-2 (MJI0193-02) Water Sampled: 09/08/00 11:54 Received: 09/11/00 11:49									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0120003	09/20/00	09/20/00	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.50	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		72.4 %	70-130	"	"	"	"	"	
MW-3 (MJI0193-03) Water Sampled: 09/08/00 11:29 Received: 09/11/00 11:49									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0120002	09/20/00	09/20/00	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	3.62	2.50	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		92.0 %	70-130	"	"	"	"	"	





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

Project: 8930 Bancroft Ave.
Project Number: 8930 Bancroft Ave.
Project Manager: Nick Sudano

Reported:
09/28/00 16:47

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 (MJI0193-04) Water Sampled: 09/08/00 12:09 Received: 09/11/00 11:49									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0120003	09/20/00	09/20/00	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	3610	50.0	"	20	"	"	09/20/00	"	M-03
<i>Surrogate: a,a,a-Trifluorotoluene</i>		77.7 %		70-130	"	"	09/20/00	"	
MW-5 (MJI0193-05) Water Sampled: 09/08/00 13:01 Received: 09/11/00 11:49									
Purgeable Hydrocarbons	159	50.0	ug/l	1	0120003	09/20/00	09/20/00	DHS LUFT	P-03
Benzene	0.606	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	1.74	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	1000	25.0	"	10	"	"	09/21/00	"	M-03
<i>Surrogate: a,a,a-Trifluorotoluene</i>		80.0 %		70-130	"	"	09/20/00	"	
MW-6 (MJI0193-06) Water Sampled: 09/08/00 12:44 Received: 09/11/00 11:49									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0121002	09/21/00	09/21/00	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.50	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		101 %		70-130	"	"	"	"	





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

Project: 8930 Bancroft Ave.
Project Number: 8930 Bancroft Ave.
Project Manager: Nick Sudano

Reported:
09/28/00 16:47

**MTBE Confirmation by EPA Method 8260A
Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (MJ10193-04) Water Sampled: 09/08/00 12:09 Received: 09/11/00 11:49									
Methyl tert-butyl ether	3300	200	ug/l	200	0128004	09/27/00	09/27/00	EPA 8260A	H-02
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		"	"	"	"	H-02





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

Project: 8930 Bancroft Ave.
Project Number: 8930 Bancroft Ave.
Project Manager: Nick Sudano

Reported:
09/28/00 16:47

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 0I20002 - EPA 5030B [P/T]										
Blank (0I20002-BLK1)										
Prepared & Analyzed: 09/20/00										
Purgeable Hydrocarbons	ND	50.0	ug/l							
Benzene	ND	0.500	"							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Xylenes (total)	ND	0.500	"							
Methyl tert-butyl ether	ND	2.50	"							
<i>Surrogate: a,a,a-Trifluorotoluene</i>	8.63		"	10.0		86.3	70-130			
LCS (0I20002-BS1)										
Prepared & Analyzed: 09/20/00										
Benzene	9.92	0.500	ug/l	10.0		99.2	70-130			
Toluene	9.48	0.500	"	10.0		94.8	70-130			
Ethylbenzene	9.25	0.500	"	10.0		92.5	70-130			
Xylenes (total)	28.1	0.500	"	30.0		93.7	70-130			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	8.85		"	10.0		88.5	70-130			
Matrix Spike (0I20002-MS1)										
Source: MJ10193-03 Prepared & Analyzed: 09/20/00										
Benzene	9.76	0.500	ug/l	10.0	ND	97.6	60-140			
Toluene	9.60	0.500	"	10.0	ND	96.0	60-140			
Ethylbenzene	9.17	0.500	"	10.0	ND	91.7	60-140			
Xylenes (total)	27.7	0.500	"	30.0	ND	92.3	60-140			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	9.02		"	10.0		90.2	70-130			
Matrix Spike Dup (0I20002-MSD1)										
Source: MJ10193-03 Prepared & Analyzed: 09/20/00										
Benzene	9.66	0.500	ug/l	10.0	ND	96.6	60-140	1.03	25	
Toluene	9.43	0.500	"	10.0	ND	94.3	60-140	1.79	25	
Ethylbenzene	9.03	0.500	"	10.0	ND	90.3	60-140	1.54	25	
Xylenes (total)	27.3	0.500	"	30.0	ND	91.0	60-140	1.45	25	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	8.91		"	10.0		89.1	70-130			





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

Project: 8930 Bancroft Ave.
Project Number: 8930 Bancroft Ave.
Project Manager: Nick Sudano

Reported:
09/28/00 16:47

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
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Batch 0I20003 - EPA 5030B [P/T]

Blank (0I20003-BLK1)

Prepared & Analyzed: 09/20/00

Purgeable Hydrocarbons	ND	50.0	ug/l							
Benzene	ND	0.500	"							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Xylenes (total)	ND	0.500	"							
Methyl tert-butyl ether	ND	2.50	"							
Surrogate: a,a,a-Trifluorotoluene	8.26		"	10.0		82.6	70-130			

LCS (0I20003-BS1)

Prepared & Analyzed: 09/20/00

Purgeable Hydrocarbons	249	50.0	ug/l	250		99.6	70-130			
Surrogate: a,a,a-Trifluorotoluene	12.5		"	10.0		125	70-130			

Matrix Spike (0I20003-MS1)

Source: MJI0224-01

Prepared & Analyzed: 09/20/00

Purgeable Hydrocarbons	248	50.0	ug/l	250	ND	99.2	60-140			
Surrogate: a,a,a-Trifluorotoluene	11.9		"	10.0		119	70-130			

Matrix Spike Dup (0I20003-MSD1)

Source: MJI0224-01

Prepared & Analyzed: 09/20/00

Purgeable Hydrocarbons	250	50.0	ug/l	250	ND	100	60-140	0.803	25	
Surrogate: a,a,a-Trifluorotoluene	12.0		"	10.0		120	70-130			

Batch 0I21002 - EPA 5030B [P/T]

Blank (0I21002-BLK1)

Prepared & Analyzed: 09/21/00

Purgeable Hydrocarbons	ND	50.0	ug/l							
Benzene	ND	0.500	"							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Xylenes (total)	ND	0.500	"							
Methyl tert-butyl ether	ND	2.50	"							
Surrogate: a,a,a-Trifluorotoluene	9.59		"	10.0		95.9	70-130			





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

Project: 8930 Bancroft Ave.
Project Number: 8930 Bancroft Ave.
Project Manager: Nick Sudano

Reported:
09/28/00 16:47

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 0I21002 - EPA 5030B [P/T]										
LCS (0I21002-BS1)				Prepared & Analyzed: 09/21/00						
Purgeable Hydrocarbons	248	50.0	ug/l	250		99.2	70-130			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	10.5		"	10.0		105	70-130			
Matrix Spike (0I21002-MS1)				Source: MJI0195-02 Prepared & Analyzed: 09/21/00						
Purgeable Hydrocarbons	240	50.0	ug/l	250	ND	96.0	60-140			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	10.5		"	10.0		105	70-130			
Matrix Spike Dup (0I21002-MSD1)				Source: MJI0195-02 Prepared & Analyzed: 09/21/00						
Purgeable Hydrocarbons	238	50.0	ug/l	250	ND	95.2	60-140	0.837	25	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	10.2		"	10.0		102	70-130			





Blaine Tech Services (Shell)
1680 Rogers Avenue
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Project: 8930 Bancroft Ave.
Project Number: 8930 Bancroft Ave.
Project Manager: Nick Sudano

Reported:
09/28/00 16:47

**MTBE Confirmation 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 0I28004 - EPA 5030B [P/T]										
Blank (0I28004-BLK1)				Prepared & Analyzed: 09/27/00						
Methyl tert-butyl ether	ND	1.00	ug/l							
Surrogate: 1,2-Dichloroethane-d4	10.5		"	10.0		105	70-130			
LCS (0I28004-BS1)				Prepared & Analyzed: 09/27/00						
Methyl tert-butyl ether	7.87	1.00	ug/l	10.0		78.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	10.9		"	10.0		109	70-130			
Matrix Spike (0I28004-MS1)				Source: MJI0333-01		Prepared & Analyzed: 09/27/00				
Methyl tert-butyl ether	9.01	1.00	ug/l	10.0	ND	90.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	15.0		"	10.0		150	70-130			S-04
Matrix Spike Dup (0I28004-MSD1)				Source: MJI0333-01		Prepared & Analyzed: 09/27/00				
Methyl tert-butyl ether	10.4	1.00	ug/l	10.0	ND	104	70-130	14.3	25	
Surrogate: 1,2-Dichloroethane-d4	15.5		"	10.0		155	70-130			S-04





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

Project: 8930 Bancroft Ave.
Project Number: 8930 Bancroft Ave.
Project Manager: Nick Sudano

Reported:
09/28/00 16:47

Notes and Definitions

H-02 This sample was analyzed outside of EPA recommended hold time.

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

P-03 Chromatogram Pattern: Unidentified Hydrocarbons C6-C12

S-04 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

RPD Relative Percent Difference



BLAINE

TECH SERVICES INC.

1880 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB SEBU01A DHS # _____
 ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
 EPA RWQCB REGION _____
 LIA
 OTHER MJI0193

CHAIN OF CUSTODY
000909-52
 CLIENT Equiva - Karen Petryna
 SITE 8930 Bancroft Ave,
 Oakland, CA

C = COMPOSITE ALL CONTAINERS

TPH - Gas, BTEX	MTBE by 8020	MTBE by 8260	TPH - diesel	Oxygenates by 8260	1,2-DCA & EDB by 8010
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SPECIAL INSTRUCTIONS
 Send invoice to Equiva 9-11-00
 Incident # 98995742
 Send report to Blaine Tech Services
 Attn: ~~Ann~~ Pember Nick Sidano

SAMPLE I.D.	Date	Time	S = SOIL W = H2O	TOTAL	CONTAINERS	CONDUCT ANALYSIS TO DETECT						ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
						TPH - Gas, BTEX	MTBE by 8020	MTBE by 8260	TPH - diesel	Oxygenates by 8260	1,2-DCA & EDB by 8010				
MW-1	9/8/00	1137	W	3		X	X	X					01		
MW-2		1154	W	3		X	X	X					02	"Condition Highest MTBE Hit By EPA 0260."	
MW-3		1129	W	3		X	X	X					03		
MW-4		209	W	3		X	X	X					04		
MW-5		1301	W	3		X	X	X					05		
MW-6		1244	W	3		X	X	X					06		

SAMPLING COMPLETED DATE 9/9/00 TIME 1301 SAMPLING PERFORMED BY [Signature] RESULTS NEEDED NO LATER THAN _____

RELEASED BY [Signature] DATE 9/11/00 TIME 10:45 RECEIVED BY [Signature] DATE 9/11/00 TIME 10:53

RELEASED BY [Signature] DATE _____ TIME _____ RECEIVED BY [Signature] DATE 9/11 TIME 11:49

RELEASED BY _____ DATE _____ TIME _____ RECEIVED BY _____ DATE _____ TIME _____

_____ DATE SENT _____ TIME SENT _____ COOLER # _____

WELL GAUGING DATA

Project # 000908-52 Date 9/9/00 Client Equiv # 204-5508-13 06

Site 8930 Bancroft - 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	3					14.25	16.97	TOC ↓
MW-2	3					14.63	19.66	
MW-3	3	odor		1" stringer		12.55	19.53	
MW-4	3			1" stringer		12.55	19.57	
MW-5	3	.				13.30	18.42	
MW-6	3	odor				14.28	19.78	

EQUIVA WELL MONITORING DATA SHEET

BTS #: <u>000908-52</u>	Site: <u># 204-5508-1305</u>
Sampler: <u>Steph</u>	Date: <u>9/8/00</u>
Well I.D.: <u>MW-1</u>	Well Diameter: 2 <u>(3)</u> 4 6 8 _____
Total Well Depth: <u>16.87</u>	Depth to Water: <u>14.95</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(FXC)</u> Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- Bailer
- Disposable Bailer
- Middleburg
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other _____

Sampling Method:

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

.71 (Gals.) X 3 = 2.13 Gals.
 I Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.01	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
<u>1130</u>	<u>67.2</u>	<u>5.90</u>	<u>474.6</u>	<u>>200</u>	<u>.71</u>	<u>Turbid</u>
<u>1131</u>	<u>67.7</u>	<u>6.0</u>	<u>394.5</u>	<u>>200</u>	<u>1.42</u>	<u>"</u>
<u>1132</u>	<u>67.9</u>	<u>6.2</u>	<u>397.4</u>	<u>>200</u>	<u>2.13</u>	<u>"</u>

Did well dewater? Yes No Gallons actually evacuated: 250

Sampling Time: 1137 Sampling Date: 9/8/00

Sample I.D.: MW-1 Laboratory: (Sequoia) Columbia Other _____

Analyzed for: ~~PTTG~~ ~~BTEX~~ ~~MIRE~~ ITB-D Other: _____

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

Analyzed for: ~~PTTG~~ ~~BTEX~~ ~~MIRE~~ ~~TPH-D~~ Other: _____

D.O. (if req'd):	Pre-purge:	<u>mg/L</u>	Post-purge:	<u>mg/L</u>
O.P.P. (if req'd):	Pre-purge:	<u>mV</u>	Post-purge:	<u>mV</u>

EQUIVA WELL MONITORING DATA SHEET

BTS #: <u>000908-52</u>	Site: <u># 204.5508-1305</u>
Sampler: <u>Steph-</u>	Date: <u>8/9/00</u>
Well I.D.: <u>MW-2</u>	Well Diameter: 2 <input type="radio"/> 3 <input checked="" type="radio"/> 4 <input type="radio"/> 6 <input type="radio"/> 8 <input type="radio"/>
Total Well Depth: <u>19.66</u>	Depth to Water: <u>14.63</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>FVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Furge Method:

- | | |
|--|---|
| <input checked="" type="radio"/> Bailer
<input type="radio"/> Disposable Bailer
<input type="radio"/> Middleburg
<input type="radio"/> Electric Submersible | <input type="radio"/> Waterra
<input type="radio"/> Peristaltic
<input type="radio"/> Extraction Pump
<input type="radio"/> Other: _____ |
|--|---|

Sampling Method:

- | | |
|---|------------------------------------|
| <input checked="" type="radio"/> Bailer
<input type="radio"/> Disposable Bailer
<input type="radio"/> Extraction Port
<input type="radio"/> Dedicated Tubing | <input type="radio"/> Other: _____ |
|---|------------------------------------|

<u>1.86</u> (Gals.) X	<u>3</u>	<u>= 5.58</u> Gals.
I 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	radius ² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
<u>1145</u>	<u>70.1</u>	<u>6.4</u>	<u>375.5</u>	<u>120</u>	<u>2</u>	<u>clear</u>
<u>1147</u>	<u>69.8</u>	<u>6.4</u>	<u>373.1</u>	<u>7200</u>	<u>4</u>	<u>cloudy</u>
<u>1149</u>	<u>69.2</u>	<u>6.3</u>	<u>372.4</u>	<u>7200</u>	<u>6</u>	<u>11</u>

Did well dewater? Yes No Gallons actually evacuated: 6

Sampling Time: 1154 Sampling Date: 8/9/00

Sample I.D.: MW-2 Laboratory: Sequoia Columbia Other: _____

Analyzed for: TPH-G BTEX MIBE TPH-D Other: _____

EB I.D. (if applicable): _____ @ _____ time Duplicate I.D. (if applicable): _____

Analyzed for: TPH-G BTEX MIBE TPH-D Other: _____

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
ORP (if req'd):	Pre-purge:	mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: <u>000908-52</u>	Site: <u># 204-5508-1305</u>
Sampler: <u>Stapler</u>	Date: <u>9/8/00</u>
Well I.D.: <u>MW-3</u>	Well Diameter: 2 <u>(3)</u> 4 6 8
Total Well Depth: <u>19.53</u>	Depth to Water: <u>12.55</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): YSI HACH

Purge Method: Bailer Waterra Sampling Method: Bailer
 Disposable Bailer Peristaltic Disposable Bailer
 Middleburg Extraction Pump Extraction Port
 Electric Submersible Other: 3' PVC Dedicated Tubing
 Other: _____

$2.58 \text{ (Gals.)} \times \underline{3} = \underline{7.75} \text{ Gals.}$
 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	radius ² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1120	71.5	6.4	413.3	>200	2.58	Turbid/odor
1122	70.9	6.4	417.7	>200	5.16	"
1124	70.2	6.5	424.2	>200	7.75	"

Did well dewater? Yes No Gallons actually evacuated: 8

Sampling Time: 1129 Sampling Date: 9/8/00

Sample I.D.: MW-3 Laboratory: Sequola 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 #: <u>000908-52</u>	Site: <u>204-5508-1305</u>
Sampler: <u>Stephan</u>	Date: <u>9/8/00</u>
Well I.D.: <u>MW-81</u>	Well Diameter: 2 <u>(3)</u> 4 6 8
Total Well Depth: <u>19.57</u>	Depth to Water: <u>12.55</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- (Bailer)
- Disposable Bailer
- Middleburg
- Electric Submersible

- Waterra
- Peristaltic
- Extraction Pump
- Other: 3" PVC

Sampling Method:

- (Bailer)
- Disposable Bailer
- Extraction Port
- Dedicated Tubing

Other: _____

$$2.57 \text{ (Gals.)} \times 3 = 7.71 \text{ Gals.}$$
 1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.17
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1200	72.3	6.6	382.7	7200	2.60	Turbid
1202	72.1	6.6	394.5	7200	5.20	"
1204	71.9	6.7	412.1	7200	7.79	"

Did well dewater? Yes No Gallons actually evacuated: 8

Sampling Time: 1209 Sampling Date: 9/8/00

Sample I.D.: MW-81 Laboratory: (Sequoia) Columbia Other: _____

Analyzed for: ~~THG~~ BTEX MRE TH-D Other: _____

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

Analyzed for: THG BTEX MRE TH-D Other: _____

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
C.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: <u>000908-S2</u>	Site: <u>#204-5508-1205</u>
Sampler: <u>Steph</u>	Date: <u>9/8/00</u>
Well I.D.: <u>MW-5</u>	Well Diameter: 2 <u>(3)</u> 4 6 8
Total Well Depth: <u>19.62</u>	Depth to Water: <u>13.30</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- | | |
|--|--|
| <input checked="" type="checkbox"/> Bailer
<input type="checkbox"/> Disposable Bailer
<input type="checkbox"/> Middleburg
<input type="checkbox"/> Electric Submersible | <input type="checkbox"/> Waterra
<input type="checkbox"/> Peristaltic
<input type="checkbox"/> Extraction Pump
<input type="checkbox"/> Other _____ |
|--|--|

Sampling Method:

- | | |
|---|--------------|
| <input checked="" type="checkbox"/> Bailer
<input type="checkbox"/> Disposable Bailer
<input type="checkbox"/> Extraction Port
<input type="checkbox"/> Dedicated Tubing | Other: _____ |
|---|--------------|

<u>233</u> (Gals.) X	<u>3</u>	= <u>7.01</u> 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	radius ² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
<u>1250</u>	<u>72.6</u>	<u>6.4</u>	<u>360.2</u>	<u>>200</u>	<u>2.33</u>	<u>Turbid odor</u>
<u>1253</u>	<u>71.9</u>	<u>6.5</u>	<u>379.7</u>	<u>>200</u>	<u>4.69</u>	<u>''</u>
<u>1256</u>	<u>71.3</u>	<u>6.4</u>	<u>382.3</u>	<u>>200</u>	<u>7.01</u>	<u>''</u>

Did well dewater? Yes No Gallons actually evacuated: 7.01

Sampling Time: 1301 Sampling Date: 9/8/00

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

WELL MONITORING DATA SHEET

Project #: <u>000908-52</u>	Client: <u>#104-5508-1305</u>
Sampler: <u>Staple</u>	Start Date: <u>9/8/00</u>
Well I.D.: <u>Mw-6</u>	Well Diameter: 2 <u>(3)</u> 4 6 8
Total Well Depth: <u>19.78</u>	Depth to Water: <u>14.28</u>
Before: _____ After: _____	Before: _____ After: _____
Depth to Free Product: _____	Thickness of Free Product (feet): _____
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Purge Method: Bailer
 Disposable Bailer
 Middleburg
 Electric Submersible
 Extraction Pump

Sampling Method: Bailer
 Disposable Bailer
 Extraction Port
 Other: _____

Other: _____

<u>2.03</u> (Gals.) X	<u>3</u>	<u>=</u>	<u>6.11</u> Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
<u>1235</u>	<u>71.3</u>	<u>6.4</u>	<u>376.6</u>	<u>>200</u>	<u>2.03</u>	<u>odor (twice)</u>
<u>1237</u>	<u>70.5</u>	<u>6.5</u>	<u>381.6</u>	<u>>200</u>	<u>4.06</u>	<u>1</u>
<u>1239</u>	<u>70.6</u>	<u>6.4</u>	<u>396.2</u>	<u>>200</u>	<u>6.11</u>	<u>1</u>

Did well dewater? Yes No Gallons actually evacuated: 6.50

Sampling Time: 1244 Sampling Date: 9/8/00

Sample I.D.: Mw-6 Laboratory: Sequoia

Analyzed for: TPH-G BTEX MTBE TPH-D Other: _____

Equipment Blank I.D.: _____ @ _____ Time Duplicate I.D.: _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: _____

D.O. (if req'd): Pre-purge: _____ mg/L Post-purge: _____ mg/L

ORP (if req'd): Pre-purge: _____ mV Post-purge: _____ mV