

March 5, 2001

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

Re: **Fourth Quarter 2000 Monitoring and Remediation Report**
Shell-branded 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.

FOURTH 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 FIRST QUARTER 2001 ACTIVITIES

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

Site Investigation: Based upon the Alameda County Health Care Services Agency February 1, 2001 correspondence, Cambria is proceeding with activities proposed in our December 12, 200 work plan and subsequent addendum. Drilling is currently scheduled for April 4, 2001.

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

**Cambria
Environmental
Technology, Inc.**

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

CLOSING

We appreciate the opportunity to work with you on this project. Please call Troy Buggle at (510) 420-3333 if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc



Troy Buggle
Troy A. Buggle
Project Scientist

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

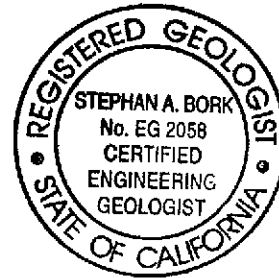


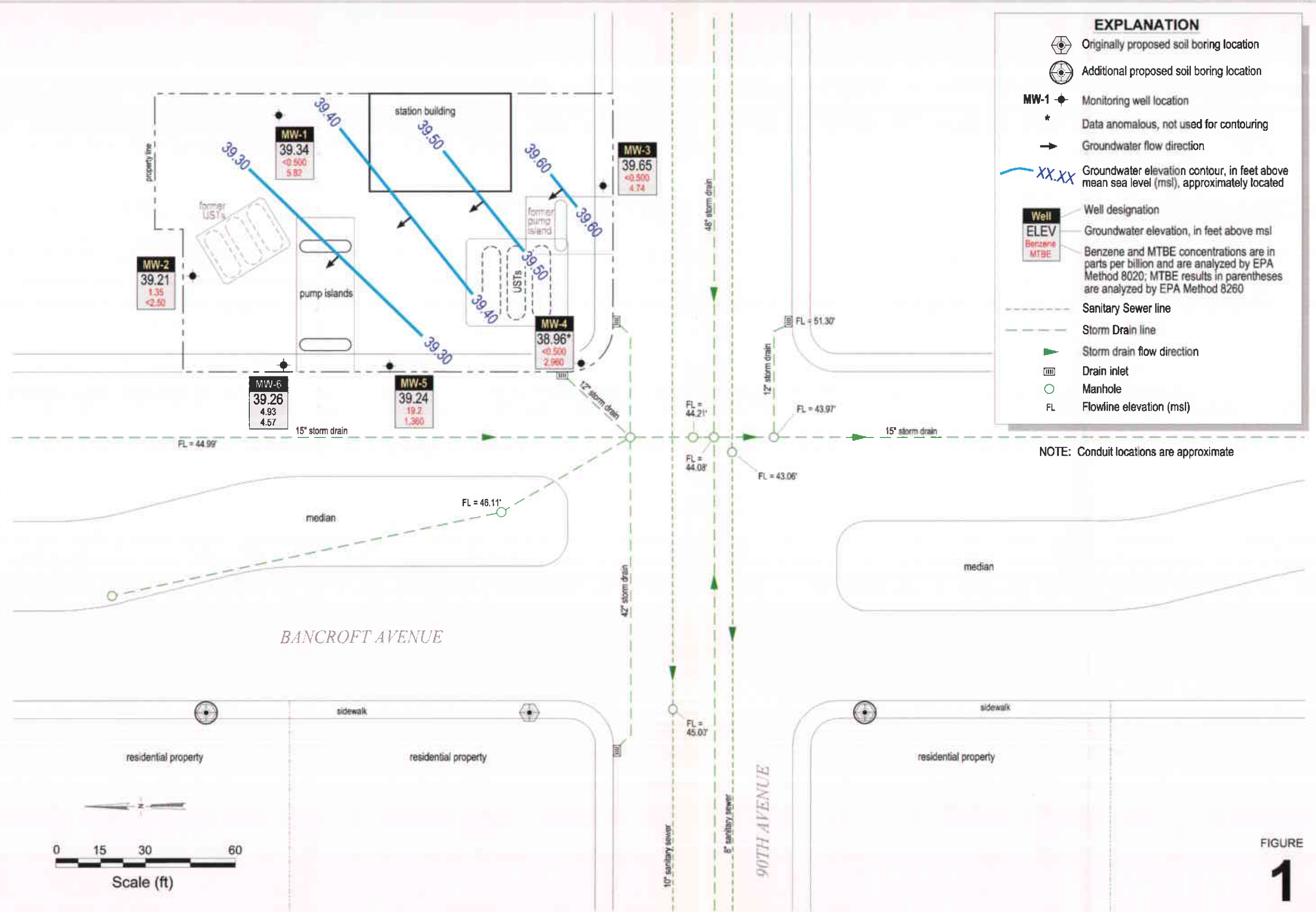
Figure: 1 - Groundwater Elevation Contour Map

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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S:\OAKLAND\8930BANCROFT\FIGURES\QMD-MP.DWG

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

Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	TPPH			Benzene			MtBE		
					TPPH Concentration (ppb)	TPPH Removed (lb)	TPPH Removed To Date (lb)	Benzene Concentration (ppb)	Benzene Removed (lb)	Benzene Removed to Date (lb)	MtBE Concentration (ppb)	MtBE Removed (lb)	MtBE Removed To Date (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
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

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

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

January 19, 2001

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

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

Monitoring performed on December 4, 2000

Groundwater Monitoring Report **001204-Z-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", with a long horizontal flourish extending to the right.

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-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-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-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

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	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-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-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-5	12/04/2000	1,510	NA	19.2	<10.0	<10.0	134	1,360	NA	51.43	12.19	39.24

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-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

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

3 January, 2001

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

RE: 8930 Bancroft Ave.
Sequoia Report: MJL0263

Enclosed are the results of analyses for samples received by the laboratory on 12/05/00 11:38. 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:
01/03/01 09:33

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MJL0263-01	Water	12/04/00 15:10	12/05/00 11:38
MW-2	MJL0263-02	Water	12/04/00 14:30	12/05/00 11:38
MW-3	MJL0263-03	Water	12/04/00 15:35	12/05/00 11:38
MW-4	MJL0263-04	Water	12/04/00 16:20	12/05/00 11:38
MW-5	MJL0263-05	Water	12/04/00 15:59	12/05/00 11:38
MW-6	MJL0263-06	Water	12/04/00 13:58	12/05/00 11:38





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:
01/03/01 09:33

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 (MJL0263-01) Water Sampled: 12/04/00 15:10 Received: 12/05/00 11:38									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0L11004	12/11/00	12/11/00	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	5.82	2.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		88.3 %		70-130	"	"	"	"	
MW-2 (MJL0263-02) Water Sampled: 12/04/00 14:30 Received: 12/05/00 11:38									
Purgeable Hydrocarbons	201	50.0	ug/l	1	0L11004	12/11/00	12/11/00	DHS LUFT	P-01
Benzene	1.35	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	3.39	0.500	"	"	"	"	"	"	
Xylenes (total)	8.58	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		84.9 %		70-130	"	"	"	"	
MW-3 (MJL0263-03) Water Sampled: 12/04/00 15:35 Received: 12/05/00 11:38									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0L11004	12/11/00	12/11/00	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	0.588	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	4.74	2.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		84.8 %		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:
01/03/01 09:33

**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 (MJL0263-04) Water Sampled: 12/04/00 16:20 Received: 12/05/00 11:38									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0L11003	12/11/00	12/11/00	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	12/13/00	"	
Methyl tert-butyl ether	2960	125	"	50	"	"	12/11/00	"	M-03
Surrogate: a,a,a-Trifluorotoluene		84.4 %	70-130		"	"	"	"	
MW-5 (MJL0263-05) Water Sampled: 12/04/00 15:59 Received: 12/05/00 11:38									
Purgeable Hydrocarbons	1510	1000	ug/l	20	0L11006	12/11/00	12/11/00	DHS LUFT	P-01
Benzene	19.2	10.0	"	"	"	"	"	"	P-01
Toluene	ND	10.0	"	"	"	"	"	"	
Ethylbenzene	ND	10.0	"	"	"	"	"	"	
Xylenes (total)	134	10.0	"	"	"	"	"	"	
Methyl tert-butyl ether	1360	50.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		94.8 %	70-130		"	"	"	"	
MW-6 (MJL0263-06) Water Sampled: 12/04/00 13:58 Received: 12/05/00 11:38									
Purgeable Hydrocarbons	231	50.0	ug/l	1	0L11006	12/11/00	12/11/00	DHS LUFT	P-03
Benzene	4.93	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	4.57	2.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		103 %	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:
01/03/01 09:33

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (MJL0263-04) Water Sampled: 12/04/00 16:20 Received: 12/05/00 11:38									
Methyl tert-butyl ether	3520	100	ug/l	100	1A02024	12/25/00	12/25/00	EPA 8260A	H-02
Surrogate: 1,2-Dichloroethane-d4		97.0 %	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:
01/03/01 09:33

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 0L11003 - EPA 5030B [P/T]										
Blank (0L11003-BLK1) Prepared & Analyzed: 12/11/00										
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>	9.52		"	10.0		95.2	70-130			
LCS (0L11003-BS1) Prepared & Analyzed: 12/11/00										
Purgeable Hydrocarbons	245	50.0	ug/l	250		98.0	70-130			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	13.8		"	10.0		138	70-130			S-02
Matrix Spike (0L11003-MS1) Source: MJL0167-09 Prepared & Analyzed: 12/11/00										
Purgeable Hydrocarbons	303	50.0	ug/l	250	ND	113	60-140			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	13.9		"	10.0		139	70-130			S-02
Matrix Spike Dup (0L11003-MSD1) Source: MJL0167-09 Prepared & Analyzed: 12/11/00										
Purgeable Hydrocarbons	305	50.0	ug/l	250	ND	114	60-140	0.658	25	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	13.9		"	10.0		139	70-130			S-02
Batch 0L11004 - EPA 5030B [P/T]										
Blank (0L11004-BLK1) Prepared & Analyzed: 12/11/00										
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>	8.81		"	10.0		88.1	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:
01/03/01 09:33

**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 0L11004 - EPA 5030B [P/T]

LCS (0L11004-BS1)

Prepared & Analyzed: 12/11/00

Purgeable Hydrocarbons	242	50.0	ug/l	250		96.8	70-130			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	7.96		"	10.0		79.6	70-130			

Matrix Spike (0L11004-MS1)

Source: MJL0153-01

Prepared & Analyzed: 12/11/00

Purgeable Hydrocarbons	239	50.0	ug/l	250	ND	95.6	60-140			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	8.08		"	10.0		80.8	70-130			

Matrix Spike Dup (0L11004-MSD1)

Source: MJL0153-01

Prepared & Analyzed: 12/11/00

Purgeable Hydrocarbons	233	50.0	ug/l	250	ND	93.2	60-140	2.54	25	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	8.00		"	10.0		80.0	70-130			

Batch 0L11006 - EPA 5030B [P/T]

Blank (0L11006-BLK1)

Prepared & Analyzed: 12/11/00

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: <i>a,a,a</i> -Trifluorotoluene	10.1		"	10.0		101	70-130			

LCS (0L11006-BS1)

Prepared & Analyzed: 12/11/00

Benzene	10.7	0.500	ug/l	10.0		107	70-130			
Toluene	10.7	0.500	"	10.0		107	70-130			
Ethylbenzene	10.0	0.500	"	10.0		100	70-130			
Xylenes (total)	29.5	0.500	"	30.0		98.3	70-130			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	10.1		"	10.0		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:
01/03/01 09:33

**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 0L11006 - EPA 5030B [P/T]

Matrix Spike (0L11006-MS1)

Source: MJL0192-01

Prepared & Analyzed: 12/11/00

Benzene	10.7	0.500	ug/l	10.0	ND	107	60-140			
Toluene	10.7	0.500	"	10.0	ND	107	60-140			
Ethylbenzene	9.78	0.500	"	10.0	ND	97.8	60-140			
Xylenes (total)	29.0	0.500	"	30.0	ND	96.7	60-140			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>70-130</i>			

Matrix Spike Dup (0L11006-MSD1)

Source: MJL0192-01

Prepared & Analyzed: 12/11/00

Benzene	10.4	0.500	ug/l	10.0	ND	104	60-140	2.84	25	
Toluene	10.4	0.500	"	10.0	ND	104	60-140	2.84	25	
Ethylbenzene	9.52	0.500	"	10.0	ND	95.2	60-140	2.69	25	
Xylenes (total)	28.3	0.500	"	30.0	ND	94.3	60-140	2.44	25	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	<i>9.94</i>		<i>"</i>	<i>10.0</i>		<i>99.4</i>	<i>70-130</i>			





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:
01/03/01 09:33

**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 1A02024 - EPA 5030B [P/T]										
Blank (1A02024-BLK1)				Prepared & Analyzed: 12/25/00						
Methyl tert-butyl ether	ND	1.00	ug/l							
Surrogate: 1,2-Dichloroethane-d4	9.21		"	10.0		92.1	70-130			
LCS (1A02024-BS1)				Prepared & Analyzed: 12/25/00						
Methyl tert-butyl ether	9.44	1.00	ug/l	10.0		94.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	10.6		"	10.0		106	70-130			
LCS Dup (1A02024-BSD1)				Prepared & Analyzed: 12/25/00						
Methyl tert-butyl ether	10.3	1.00	ug/l	10.0		103	70-130	8.71	25	
Surrogate: 1,2-Dichloroethane-d4	10.5		"	10.0		105	70-130			
Matrix Spike (1A02024-MS1)				Source: MJL0337-04		Prepared & Analyzed: 12/25/00				
Methyl tert-butyl ether	175	20.0	ug/l	200	ND	87.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	16.1		"	10.0		161	70-130			S-04
Matrix Spike Dup (1A02024-MSD1)				Source: MJL0337-04		Prepared & Analyzed: 12/25/00				
Methyl tert-butyl ether	149	20.0	ug/l	200	ND	74.5	70-130	16.0	25	
Surrogate: 1,2-Dichloroethane-d4	15.4		"	10.0		154	70-130			S-04





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:
01/03/01 09:33

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-01 Chromatogram Pattern: Gasoline C6-C12
- 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.
- 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



ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMIT SET BY CALIFORNIA DHS AND

- EPA
- LIA
- OTHER

RWOCB REGION

MJL0263

SPECIAL INSTRUCTIONS

Send invoice to Equiva

Incident # 98995742

Send report to Blaine Tech Services

Attn: ~~Ann Pember~~ *Nick Sudano*

CHAIN OF CUSTODY *001204-72*

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
-----------------	--------------	--------------	--------------	--------------------	-----------------------

ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
<i>confirm</i>	<i>highest</i>	<i>MTBE</i>	<i>01</i>
<i>hit by</i>	<i>EPA</i>	<i>8260</i>	<i>02</i>
			<i>03</i>
			<i>04</i>
			<i>05</i>
			<i>06</i>

SAMPLE I.D.	DATE	TIME	S = SOIL W = H ₂ O	CONTAINERS	
				TOTAL	
<i>MW-1</i>	<i>12-4-00</i>	<i>1510</i>	<i>W</i>	<i>3</i>	<i>VOA</i>
<i>MW-2</i>		<i>1430</i>			
<i>MW-3</i>		<i>1535</i>			
<i>MW-4</i>		<i>1620</i>			
<i>MW-5</i>		<i>1559</i>			
<i>MW-6</i>	<i>↓</i>	<i>1358</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>

SAMPLING COMPLETED *12-4-00 1630* | SAMPLING PERFORMED BY *Aidan Metzger* | RESULTS NEEDED NO LATER THAN

RELEASED BY _____ | DATE *12/5/00* | TIME *8:20* | RECEIVED BY *Shana M. (mt)* | DATE *12/5* | TIME *8:20*

RELEASED BY *JM* | DATE *12/5* | TIME *11:38* | RECEIVED BY *[Signature]* | DATE *12/5/00* | TIME *11:38*

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

SHIPPED VIA _____ | DATE SENT _____ | TIME SENT _____ | COOLER # _____

EQUIVA WELL MONITORING DATA SHEET

BTS #: <u>001204-22</u>	Site: <u>204-5509-1305</u>
Sampler: <u>Aidan M.</u>	Date: <u>12-4-00</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>13.85</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 _____

Sampling Method:

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

$$\frac{1.1 \text{ (Gals.)} \times 3}{\text{Specified Volumes}} = \frac{3.3}{\text{Calculated Volume}} \text{ Gals.}$$

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
1501	67.8	6.5	368	190	1	
1503	67.8	6.6	369	>200	2	
1505	67.9	6.5	372	>200	4	

Did well dewater? Yes No Gallons actually evacuated: 4

Sampling Time: 1510 Sampling Date: 12-4-00

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 #: <u>001204-72</u>	Site: <u>204-5508-1305</u>
Sampler: <u>Aidan M.</u>	Date: <u>12-4-00</u>
Well I.D.: <u>MW-2</u>	Well Diameter: 2 <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>13.45</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI <input type="checkbox"/> HACH <input type="checkbox"/>

Purge Method:

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

Sampling Method:

- Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing

Other: _____

<u>2.2</u>	(Gals.) X	<u>3</u>	=	<u>6.6</u>	Gals.
Case Volume		Specified Volumes		Calculated Volume	

Well Diameter	Multplier	Well Diameter	Multplier
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>1424</u>	<u>69.4</u>	<u>6.7</u>	<u>423</u>	<u>>200</u>	<u>2.5</u>	
<u>1425</u>	<u>70.4</u>	<u>6.8</u>	<u>401</u>	<u>>200</u>	<u>5</u>	
<u>1426</u>	<u>70.6</u>	<u>6.7</u>	<u>378</u>	<u>>200</u>	<u>7</u>	

Did well dewater? Yes No Gallons actually evacuated: 7

Sampling Time: 1430 Sampling Date: 12-4-00

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 #: <u>001204-21</u>	Site: <u>204-5508-1305</u>
Sampler: <u>Aidan M.</u>	Date: <u>12-4-00</u>
Well I.D.: <u>MW-3</u>	Well Diameter: 2 <input checked="" type="radio"/> 4 <input type="radio"/> 6 <input type="radio"/> 8 <input type="radio"/>
Total Well Depth: <u>19.53</u>	Depth to Water: <u>11.65</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI <input type="checkbox"/> HACH <input type="checkbox"/>

Purge Method:

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

Sampling Method:

- Bailer
 Disposable Bailer
 Extraction Port
 Dedicated Tubing

Other: _____

2.9	(Gals.) X	3	=	8.7	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
1528	70.6	6.5	378	>200	3	turbid
1529	70.8	6.4	397	>200	6	"
1530	70.9	6.3	414	>200	9	"

Did well dewater? Yes No Gallons actually evacuated: 9

Sampling Time: 1535 Sampling Date: 12-4-00

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 #: 001204-22	Site: 204-5508-1305
Sampler: Aidan M.	Date: 12-4-00
Well I.D.: MW-4	Well Diameter: 2 <input checked="" type="radio"/> 4 <input type="radio"/> 6 <input type="radio"/> 8 <input type="radio"/>
Total Well Depth: 19.57	Depth to Water: 11.77
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Grade	D.O. Meter (if req'd): <input type="checkbox"/> YSI <input type="checkbox"/> HACH

Furge Method:

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

2.8 (Gals.) X 3 = 8.4 Gals.			
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%; border-right: 1px solid black;">Case Volume</td> <td style="width: 25%; border-right: 1px solid black;">Specified Volumes</td> <td style="width: 25%; border-right: 1px solid black;">Calculated Volume</td> </tr> </table>	Case Volume	Specified Volumes	Calculated Volume
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
1613	71.5	6.7	355	>200	3	Turbid
1614	71.0	6.7	397	>200	6	
1615	71.1	6.8	412	>200	9	

Did well dewater? Yes No Gallons actually evacuated: **9**

Sampling Time: **1620** Sampling Date: **12-4-00**

Sample I.D.: **MW-4** 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 #: 001204-72	Site: 204-5508-1305
Sampler: Aidan M.	Date: 12-4-00
Well I.D.: MW-5	Well Diameter: 2 <input checked="" type="radio"/> 4 <input type="radio"/> 6 <input type="radio"/> 8 <input type="radio"/>
Total Well Depth: 19.62	Depth to Water: 12.19
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Grade	D.O. Meter (if req'd): YSI <input type="checkbox"/> HACH <input type="checkbox"/>

Purge Method:

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

Sampling Method:

- Bailor
 Disposable Bailor
 Extraction Port
 Dedicated Tubing

Other: _____

$$2.7 \text{ (Gals.)} \times 3 = 8.1 \text{ Gals.}$$
 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
1553	69.9	6.6	434	>200	3	Turbid
1554	70.1	6.5	412	>200	6	"
1555	71.0	6.5	377	>200	9	"

Did well dewater? Yes No Gallons actually evacuated: **9**

Sampling Time: **1559** Sampling Date: **12-4-00**

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:

EQUIVA WELL MONITORING DATA SHEET

BTS #: 001204-22	Site: 204-5508-1305
Sampler: Aidan M.	Date: 12-4-00
Well I.D.: MW-6	Well Diameter: 2 <input checked="" type="radio"/> 4 <input type="radio"/> 6 <input type="radio"/> 8 <input type="radio"/>
Total Well Depth: 19.78	Depth to Water: 12.62
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Grade	D.O. Meter (if req'd): <input type="checkbox"/> YSI <input type="checkbox"/> HACH

Purge Method:

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

Sampling Method:

- Bailor
 Disposable Bailor
 Extraction Port
 Dedicated Tubing
 Other: _____

2.6	(Gals.) X	3	=	7.8	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
1350	68.0	7.0	530	>200	3	
1351	68.0	6.9	532	>200	6	
1352	68.0	7.0	530	>200	8	

Did well dewater? Yes No Gallons actually evacuated: **8**

Sampling Time: **1358** Sampling Date: **12-4-00**

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