

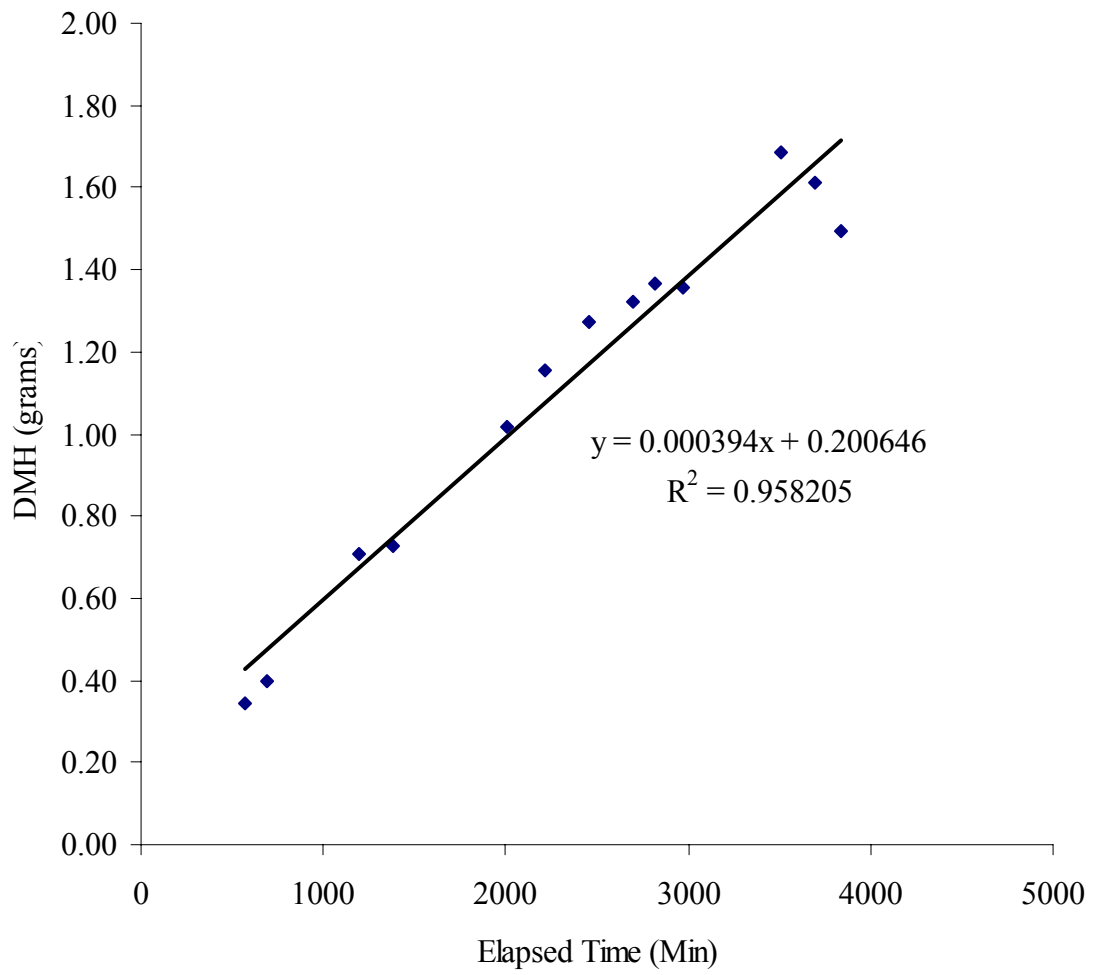
APPENDIX H

Continuous System 8: Synthetic Bangladesh Groundwater Contaminated with Fe (II), As (III), As (V), and adsorbent

HPLC Data Compilation.....	150
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Continuous System 8: HPLC Data									
Time	Elapsed Time	Peak Area	C conc. (M)	Avg. C conc. (M)	S	Summary			
						Elapsed Time	C conc. (M)	C conc. (mM)	gram appear
3/17/03 11:00 PM	60	305.27637	2.04E-04	2.04E-04	1.2E-07	0	2.04E-04	0.204	0
3/18/03 9:30 AM	60	305.53708	2.04E-04	2.04E-04	1.6E-07	570	1.13E-04	0.113	0.3455
3/18/03 11:30 AM	690	160.35008	1.13E-04	1.13E-04	1.9E-07	690	1.08E-04	0.108	0.3995
3/18/03 8:00 PM	1200	152.52718	1.08E-04	1.08E-04	2.5E-08	1380	9.78E-05	0.098	0.7259
3/18/03 11:00 PM	1380	136.40002	9.80E-05	9.78E-05	2.9E-07	2460	9.63E-05	0.096	1.2749
3/19/03 9:30 AM	2220	134.98517	9.70E-05	9.40E-05	4.2E-07	2700	9.10E-05	0.091	1.3215
3/19/03 1:00 PM	2460	125.74074	9.08E-05	9.08E-05	1.9E-07	2820	8.99E-05	0.090	1.3643
3/19/03 5:00 PM	2700	126.17751	9.11E-05	9.10E-05	6.2E-08	2970	8.50E-05	0.085	1.3585
3/19/03 9:00 PM	2820	124.21643	8.99E-05	8.99E-05	2.2E-07	3510	8.92E-05	0.089	1.6853
3/20/03 1:30 AM	2970	116.28323	8.49E-05	8.50E-05	2.2E-07	3690	8.11E-05	0.081	1.6099
3/20/03 10:30 AM	3510	123.18572	8.92E-05	8.92E-05	2.8E-08	3840	7.24E-05	0.072	1.4950
3/20/03 1:30 PM	3690	110.7088	8.13E-05	8.11E-05	3.6E-07				
3/20/03 4:00 PM	3840	96.60079	7.24E-05	7.24E-05	1.2E-07				
		96.33477	7.23E-05	7.24E-05					

Continuous System 8: Appearance of DMH



**Continuous System 8:
Chemiluminescence Data**

Elapsed Time (Min)	Conc. (mM)	grams BCDMH
60	0.09094	4.785
570	0.01853	4.733
690	0.00914	4.776
1200	0.03133	4.459
1380	0.00777	4.731
2010	0.01079	4.620
2460	0.00434	4.732
2700	0.00007	4.838
2820	0.00564	4.679
2970	0.00257	4.763
3510	0.01578	4.278
3690	-0.00063	4.864
3840	0.01662	4.193

Turner Designs: TD-20/20

Luminometer

Ver. 2020-1E 1098

Delay Time: (sec)	2
Integrate Time: (sec)	4
Number of Replicates:	1
Sensitivity Level %:	1
Standard Reading:	1.76
Injection Volume #1: (ul)	50
Injection Volume #2: (ul)	50
Average Blank:	0.094
Mode:	STD

The following tables contain the continuous stream data. Each column represents a series of luminescence readings, taken every 0.2 seconds. Five series of measurements (5 columns) were taken from each sample. The first number in the columns represents the blank sample that was obtained prior to the addition of the BCDMH briquette. The instrument was programmed to collect measurements for four seconds with a two second delay. The peak maximums, usually seen around 0.6 seconds were averaged. Average peak maximums and BCDMH concentrations are seen below each sample

Continuous System 8 (pg 1 of 7)									
0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094
0.315	0.478	0.342	0.356	0.356	3.38	0.426	0.576	0.768	1.028
0.383	0.547	0.397	0.41	0.397	3.435	0.508	0.617	0.782	1.055
193.1	901.7	823.6	1603	653.6	27.61	43.27	58.59	37.16	39.49
7904	7468	6721	7342	7433	1754	1673	1428	1427	1467
2946	2898	2758	2784	2831	731.4	725.2	683.2	673.9	664.1
2692	2667	2537	2556	2592	674.8	679.6	628.7	621.3	616.2
2426	2414	2306	2336	2347	612.3	622.7	570.8	566.7	564
2182	2182	2084	2108	2126	553.3	566.2	515.3	513.7	512.3
1962	1966	1885	1907	1921	499.2	512.8	463.9	464.5	463.7
1764	1772	1702	1726	1735	450.3	465.3	417.5	419.9	419.7
1587	1604	1538	1563	1568	406	421.8	375.9	379.5	379.8
1428	1435	1390	1414	1407	366.1	382.5	338.2	342.6	343.4
1286	1294	1256	1280	1279	330	347	304.3	309.8	310.7
1158	1165	1136	1159	1156	297.8	314.7	274	279.7	281.1
1043	1050	1027	1050	1045	268.5	285.5	246.7	253	254.4
939.3	947.2	929.3	950.5	945.3	242.3	259	221.8	228.4	230
846.5	854.4	841.1	861	855.2	218.8	235.2	199.7	206.2	208.2
762.9	770.8	761.3	780.4	773.8	197.5	213.3	179.7	186.6	188.5
687.8	695.4	689.5	707.5	700.7	178.1	193.4	161.7	168.5	170.5
619.7	627.3	624.1	641.4	634	160.9	175.4	145.6	152.4	154.3
559	566.6	564.5	581.4	573.7	145	159	131.1	137.6	139.6
504.3	511.6	512.2	527.5	519.6	130.8	144.2	124	124.3	126.4
455	462.1	464.3	478.7	470.6	124.2	130.8	112.4	118.4	120.4
410.6	417.7	421.3	434.6	426.5	113	124.7	101.8	107.8	109.7
370.6	377.4	382.4	394.3	386.4	102.6	113.9	92.19	98.02	99.83
334.7	341	346.7	358.2	350.3	93.11	103.8	83.53	89.13	90.9
302.3	308.6	314.9	325.2	317.6	84.57	94.64	75.68	81.07	82.75
273.2	278.9	285.7	295.8	287.9	76.86	86.31	68.64	73.81	75.38
246.8	252.5	259.3	268.6	261.2	69.89	78.72	62.27	67.21	68.66
223.1	228.5	235.6	244.4	237	63.58	71.84	56.52	60.93	62.6
Samp8 r0	Samp9 r0	Samp10 r0	Samp11 r0	Samp12 r0	Samp13 r0	Samp14 r0	Samp15 r0	Samp16 r0	Samp17 r0
Mar 03	11PM	1 hour after BCDMH placed in colu				3/18/2003 9:30			
Average Peak Max.				7373.6	Average Peak Max.				1549.8
BCDMH Conc. (mM)				0.09094	BCDMH Conc. (mM)				0.01853

Continuous System 8 (pg 2 of 7)

0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094
9.685	0.453	0.713	0.303	0.399	0.356	1.052	9.194	0.356	0.438
9.152	0.494	0.672	0.33	0.453	0.37	1.093	8.253	0.397	0.479
12.52	3.927	5.227	45.36	75.03	330.3	245.2	66.25	94.42	201.2
855.5	801.7	773.5	706.7	835.3	2738	2340	2866	2608	2343
508.7	461.4	470.4	392.8	469.6	1125	1018	1131	1113	1112
473.3	423.3	435.9	369.7	434.5	1038	936.4	1046	1034	1032
435.5	386.6	401.1	346.2	400.8	943.8	854.7	957.6	945.9	944.8
398.4	351.9	366.7	323.3	368.3	854.4	775.6	872.6	863.9	862.2
362.3	319.4	334.2	300	338	772.7	703.2	795.2	787.6	786.2
329.8	289.4	304.4	279.3	309.6	698.5	637.2	724.4	718.1	716.7
299.7	262	276.5	259.6	283.6	631.4	577.5	660.2	654.3	653.3
272.4	236.9	251.4	241.3	259.6	570.9	523.5	601.1	596.5	594.8
247.5	214.2	228.1	223.8	237.4	516.4	474.4	547.7	543.3	542.5
224.9	193.7	207.4	207.9	217.2	467.3	430	499.2	495.6	494.3
204.1	175.1	188.2	192.9	198.6	422.9	389.9	455	451.8	450.7
185.5	158.2	170.7	179.2	181.7	382.9	353.4	415	412	410.9
168.6	142.9	154.3	166.1	166.1	346.3	320.4	378.5	375.5	374.6
153	128.9	140.1	154.1	151.6	313.6	290.5	344.9	342.5	341.4
139	122.6	127	142.9	138.5	284.2	263.5	314.4	312.2	311.4
126.2	111.6	121.2	132.5	126.5	257.2	239	286.9	284.7	283.9
120.6	101.3	110.8	122.9	121.6	232.9	216.9	261.6	259.6	258.8
110.3	91.98	101	120.1	111.9	211.2	196.7	238.4	236.7	236.2
100.8	83.53	92.12	112.1	102.7	191.3	178.5	217.7	216	215.2
91.98	75.92	84.02	104.3	94.2	173.3	161.8	198.3	196.9	196.4
83.99	68.95	76.69	97.15	86.44	157.2	146.6	180.9	179.8	179
76.74	62.71	69.99	90.45	79.37	142.2	132.9	165.1	164	163.2
70.12	56.98	63.89	84.23	72.83	128.8	126.8	150.4	149.5	148.7
64.08	51.82	58.35	78.43	66.9	123	115.8	137.3	136.5	135.6
58.61	47.15	53.3	73.05	61.43	112.3	105.6	125	124.2	123.7
53.6	42.91	48.72	68.03	56.43	102.3	96.29	120.2	119.5	118.8
Samp18 r	Samp19 r	Samp20 r	Samp21 r	Samp22 r	Samp23 r	Samp24 r	Samp25 r	Samp26 r	Samp27 r
3/18/2003 11:30					3/18/2003 20:00				
Average Peak Max.				794.54	Average Peak Max.				2579
BCDMH Conc. (mM)				0.00914	BCDMH Conc. (mM)				0.03133

Continuous System 8 (pg 3 of 7)

0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094
0.492	0.369	1.282	0.465	3.979	4.198	0.234	0.398	0.535	0.262
0.533	0.41	1.255	0.533	3.571	4.239	0.275	0.439	0.562	0.289
55.73	59.11	50.35	28.76	51.25	6.795	38.87	47.44	31.64	30.69
801.4	717.5	624.6	627.9	647.8	985.1	865.9	941.1	907.5	937
455.1	442.4	394	385.8	385.8	480.1	460.3	531	478.8	506.4
424.8	414.5	363.6	355.2	358.2	441.8	423.3	495.1	438.8	467
390.7	381.8	332.3	325.2	330.4	403.8	387.2	455.5	402.2	426.2
355.4	348.6	300.7	296.6	302.9	367.3	352	415.9	366.7	386.7
322.2	317.1	272.4	270.2	277.1	333.4	319.5	378.7	333.4	349.8
291.4	287.7	246	244.7	253.1	302.3	289.4	344.6	302.5	315.9
264	261	222.1	222.3	231	273.9	262.4	313.2	274.7	285.1
238.4	236.5	200.3	201.9	210.6	248.5	237.5	284.8	249	257.5
215.2	214.4	180.7	183.4	192.4	225.3	215.1	258.9	225.5	232.1
194.5	194	162.7	166.2	175.5	204	194.7	235.4	204.5	209.4
175.8	176.1	146.7	151	159.7	185.1	176.4	214.1	185.4	188.9
158.6	159.4	132.2	136.9	145.6	167.6	159.7	194.4	167.9	170.3
143.4	144.5	125	124.1	132.8	152.1	144.4	176.6	152.3	153.7
129.2	130.9	113.5	118.7	127	137.9	130.8	160.8	137.9	138.4
122.8	124.6	102.8	108.5	116.6	124.8	124.4	146	125	124.8
111.6	113.6	93.07	98.89	106.6	119.2	113.5	132.7	119.3	118.5
101.3	103.5	84.35	90.14	97.59	108.8	103.3	126.5	108.9	107.7
91.96	94.27	76.41	82.23	89.36	99.19	93.97	115.8	99.14	97.57
83.5	85.86	69.3	74.99	81.86	90.39	85.55	105.7	90.29	88.45
75.8	78.28	62.81	68.43	74.97	82.42	77.88	96.58	82.3	80.19
68.9	71.38	56.98	62.49	68.71	75.14	70.95	88.22	75.01	72.77
62.59	65.09	51.71	57.05	62.99	68.53	64.65	80.59	68.38	66.01
56.88	59.4	46.93	52.12	57.75	62.53	58.94	73.66	62.37	59.88
51.75	54.22	42.58	47.6	52.94	57.09	53.73	67.36	56.92	54.37
47.05	49.48	38.68	43.48	48.55	52.09	48.99	61.59	51.94	49.36
42.81	45.2	35.13	39.71	44.6	47.57	44.68	56.34	47.4	44.83
Samp28 r	Samp29 r	Samp30 r	Samp31 r	Samp32 r	Samp33 r	Samp34 r	Samp35 r	Samp36 r	Samp37 r
3/18/2003 23:00					3/19/2003 9:30				
Average Peak Max.			683.84		Average Peak Max.			927.32	
BCDMH Conc. (mM)			0.00777		BCDMH Conc. (mM)			0.01079	

Continuous System 8 (pg 4 of 7)

0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094
7.717	1.583	0.342	0.411	0.479	0.658	0.74	1.068	0.508	0.316
7.267	1.515	0.383	0.452	0.533	0.713	0.74	1.014	0.549	0.357
6.763	2.605	0.792	0.561	6.027	9.313	0.85	20.43	28.33	16.19
4536	4512	3682	4808	4594	512.6	422.7	398.6	342.8	363.6
631.7	618.9	595.3	592.2	601.7	184.1	194.6	192.7	181.3	185.3
578.9	563.4	547.5	544	556.8	169.6	180.5	177.5	164.4	169.6
526.3	513	496.9	495.6	509.2	155.4	165.7	162.2	149.4	154.5
476.6	465.4	449	450.4	464	142	151	147.2	135.2	140.1
428.4	421.8	404.9	409.3	422.9	129.4	137.4	133.5	128	127
387	382	364.9	371.7	384.5	123.7	124.5	127.4	116.4	121
349.9	344.4	328.9	337.6	350.2	113.2	119.1	116.1	105.6	110.4
316.4	312	296.2	306.9	318.9	103.4	108.7	105.7	95.82	100.5
286.2	282.9	266.8	278.8	290.3	94.34	98.92	96.09	86.94	91.41
259	256.2	240.4	253.5	264.4	86.09	90.06	87.43	78.89	83.2
234.4	232.3	216.7	230.3	241	78.59	82.02	79.61	71.58	75.74
212.1	210.7	195.5	209.4	219.5	71.78	74.71	72.42	64.96	68.96
192.2	191.1	176.1	190.3	199.8	65.56	68.07	65.89	58.97	62.8
174	173.4	158.7	173.2	182.1	59.89	62.05	59.94	53.57	57.21
157.6	157.1	143.2	157.6	165.8	54.7	56.54	54.58	48.67	52.38
142.4	142.4	128.8	143.2	151.1	50.03	51.55	49.69	44.16	47.54
129	129.3	122.3	130.4	137.7	45.73	47.02	45.2	40.14	43.33
122.9	123.4	111	124.5	125.5	41.81	42.86	41.17	36.47	39.49
112.2	112.7	100.6	114.1	120.3	38.24	39.1	37.49	33.14	35.99
102.2	102.8	91.29	104.2	110.3	34.97	35.7	34.14	30.11	32.81
93.06	93.8	82.78	95.33	101	32.01	32.57	31.09	27.39	29.9
84.82	85.58	75.11	87.21	92.5	29.29	29.72	28.32	24.9	27.28
77.29	78.11	68.17	79.77	84.73	26.83	27.11	25.83	22.66	24.86
70.48	71.33	61.89	73.02	77.65	24.54	24.79	23.53	20.58	22.68
64.91	65.12	56.23	66.85	71.17	22.49	22.64	21.44	18.73	20.67
59.27	59.56	51.06	61.22	65.23	20.61	20.69	19.59	17.04	18.86
Samp38 r	Samp39 r	Samp40 r	Samp41 r	Samp42 r	Samp43 r	Samp44 r	Samp45 r	Samp46 r	Samp47 r
3/19/2003 13:00					3/19/2003 17:00				
Average Peak Max.			4426.4		Average Peak Max.			408.06	
BCDMH Conc. (mM)			0.0543		BCDMH Conc. (mM)			0.00434	

Continuous System 8 (pg 5 of 7)

0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094
0.928	0.397	0.873	0.696	0.41	1.12	2.17	0.725	1.107	0.425	
0.982	0.437	0.941	0.71	0.41	1.161	1.979	0.766	1.12	0.479	
1.009	3.27	1.609	0.778	0.397	24.88	51.28	3.07	3.044	2.13	
68.79	68.53	63.97	59.04	62.71	553.9	603.3	510	456.9	438.3	
38.27	40.52	35.64	32.85	34.22	192.9	234.4	217	205.3	205.6	
34.05	36.04	31.31	28.87	30.19	177.9	217.7	197.2	187.5	187.5	
30.19	32.06	27.66	25.45	26.67	163.4	199.9	179.2	170.5	170.5	
26.8	28.51	24.45	22.51	23.59	150.1	182.6	162.7	154.8	155	
23.77	25.32	21.63	19.87	20.85	137.6	165.4	147.4	140.6	140.9	
21.12	22.47	19.16	17.61	18.5	126.4	150.4	133.8	127.8	127.8	
18.77	19.97	16.98	15.62	16.38	121.9	136.8	127.3	122	122.2	
16.68	17.75	15.09	13.87	14.55	112.6	124.2	116.4	111.4	111.9	
14.94	15.77	13.4	12.3	12.9	103.8	119	106.1	101.7	102.1	
13.28	14.06	11.92	10.94	11.45	95.69	108.8	96.78		93.23	
11.82	12.48	10.61	9.725	10.17	88.2	99.35	88.12	84.9	85.14	
10.57	11.09	9.426	8.636	9.044	81.37	90.71	80.36	77.6	77.82	
9.398	9.875	8.377	7.696	8.05	75.06	82.87	73.32	70.97	71.05	
8.404	8.813	7.451	6.852	7.151	69.27	75.7	66.91	64.92	64.9	
7.492	7.873	6.647	6.103	6.375	63.94	69.18	61.06	59.35	59.38	
6.702	7.029	5.912	5.422	5.681	59.04	63.2	55.73	54.29	54.22	
5.98	6.266	5.272	4.85	5.054	54.49	57.79	50.87	49.67	49.54	
5.367	5.612	4.714	4.346	4.509	50.36	52.83	46.43	45.56	45.27	
4.809	5.027	4.196	3.856	4.033	46.51	48.31	42.38	41.66	41.39	
4.319	4.496	3.76	3.474	3.611	42.99	44.16	38.67	38.11	37.8	
3.883	4.06	3.379	3.107	3.216	39.7	40.39	35.3	34.89	34.54	
3.488	3.638	3.025	2.793	2.889	36.69	36.95	32.23	31.91	31.57	
3.12	3.27	2.725	2.494	2.589	33.91	33.79	29.43	29.19	28.85	
2.834	2.957	2.439	2.249	2.33	31.36	30.93	26.86	26.68	26.37	
2.589	2.671	2.208	2.031	2.112	29	28.3	24.54	24.42	24.1	
2.317	2.426	2.017	1.854	1.895	26.8	25.92	22.41	22.33	22	
Samp48 r	Samp49 r	Samp50 r	Samp51 r	Samp52 r	Samp53 r	Samp54 r	Samp55 r	Samp56 r	Samp57 r	
3/19/2003 21:00					3/19/2003 23:00					
Average Peak Max.			64.608		Average Peak Max.			512.48		
BCDMH Conc. (mM)			0.00006637		BCDMH Conc. (mM)			0.005635		

Continuous System 8 (pg 6 of 7)

0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094
0.75	0.492	0.219	0.369	0.424	0.412	0.494	0.48	1.956	0.303
0.791	0.546	0.26	0.383	0.464	0.453	0.521	0.494	1.847	0.33
11.35	43.12	44.85	40.03	28.27	176.2	159.5	275.1	307.7	269.7
269.4	272.4	298	266.7	221.5	1933	1251	1158	1110	1192
155.7	166.4	174.2	156.3	141.1	398.9	440.1	456.3	417	428.1
140.3	150.9	159	139.5	127.2	370.9	403.5	423.4	381.9	393.9
126.9	137	144.3	125.6	120.9	342.5	368.8	389.5	349.7	360.6
120.6	124	130.8	119.7	110.1	315.3	335.8	356	318.6	328.4
109.9	118	124.1	109	100.1	289.6	305.2	324.8	289.9	298.4
99.86	106.9	112.3	99.13	91.07	266.1	277.1	297	263.7	271
90.83	97.02	101.9	90.17	82.89	244.6	251.7	270.8	239.9	246.2
82.62	88.16	92.38	82	75.51	224.4	228.7	246.8	218.1	223.5
75.16	80.12	83.8	74.6	68.78	206.1	207.7	224.6	198.4	202.5
68.36	72.85	76	67.89	62.7	189.4	188.6	204.7	180.7	183.7
62.22	66.22	68.94	61.77	57.09	174.1	171.1	186.4	164.3	166.8
56.58	60.22	62.57	56.22	52.05	159.9	155.3	169.8	149.3	151.2
51.49	54.79	56.77	51.18	47.43	147.1	141.1	154.8	135.9	137.3
46.88	49.82	51.53	46.57	43.23	135.3	128	140.8	123.6	124.4
42.67	45.34	46.8	42.39	39.37	124.2	122.4	128.3	118.5	119
38.83	41.24	42.48	38.58	35.91	120.4	111.9	123	108.6	108.7
35.35	37.58	38.57	35.13	32.7	111.4	102.1	112.8	99.26	99.08
32.18	34.18	35.02	31.99	29.81	102.9	93.21	103.2	90.75	90.38
29.33	31.13	31.8	29.13	27.17	95.08	85.06	94.5	83.03	82.41
26.71	28.33	28.9	26.52	24.76	87.84	77.63	86.54	75.95	75.17
24.3	25.82	26.24	24.16	22.6	81.2	70.91	79.27	69.47	68.58
22.16	23.49	23.85	21.99	20.56	75.03	64.76	72.6	63.62	62.57
20.15	21.42	21.66	20.05	18.75	69.41	59.17	66.49	58.23	57.11
18.35	19.51	19.68	18.26	17.07	64.18	54.06	60.97	53.31	52.15
16.72	17.79	17.89	16.65	15.56	59.38	49.41	55.89	48.84	47.59
15.23	16.18	16.28	15.17	14.16	54.93	45.16	51.24	44.71	43.44
Samp58 r	Samp59 r	Samp60 r	Samp61 r	Samp62 r	Samp63 r	Samp64 r	Samp65 r	Samp66 r	Samp67 r
3/20/2003 1:30					3/20/2003 10:30				
Average Peak Max.			265.6		Average Peak Max.			1328.8	
BCDMH Conc. (mM)			0.00257		BCDMH Conc. (mM)			0.01578	

Continuous System 8 (pg 7 of 7)

0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094
1.354	0.234	0.48	0.343	0.371	0.67	0.384	0.602	0.329	0.411
1.354	0.261	0.507	0.343	0.425	0.684	0.425	0.616	0.37	0.438
1.368	0.412	0.302	0.384	0.371	56.42	97.61	17.49	57.23	191.2
10.85	9.797	8.294	7.433	5.849	1751	1532	1453	1272	972.5
4.974	4.524	3.595	3.13	1.901	295.5	309.3	293.5	282.4	285.6
3.936	3.554	2.816	2.352	1.423	270.3	284.2	264.5	255.8	253.4
3.267	2.966	2.297	1.969	1.204	246.6	260.7	241.4	232.9	231.5
2.748	2.515	1.955	1.709	1.04	225.6	238.4	219.9	211.7	211.7
2.352	2.119	1.709	1.518	0.931	205.4	218.5	200.3	192.6	193.4
2.024	1.86	1.518	1.327	0.863	187.5	199.2	182	175.2	176.5
1.75	1.628	1.327	1.218	0.794	170.6	181.5	165.6	159.4	161.3
1.532	1.436	1.19	1.136	0.74	155.3	165.4	150.4	144.9	147.4
1.368	1.313	1.122	1.04	0.712	141.4	150.7	136.8	131.6	134.6
1.204	1.19	1.013	0.958	0.658	128.9	137.3	124.5	125.8	122.9
1.095	1.095	0.931	0.89	0.644	123.5	125	119.1	115.1	118.2
0.985	0.999	0.876	0.849	0.617	113.3	120.2	109.1	105.2	108.7
0.931	0.917	0.835	0.822	0.589	103.7	110.2	99.67	96.1	99.76
0.863	0.849	0.767	0.781	0.576	94.95	101	91.09	87.8	91.56
0.808	0.835	0.726	0.74	0.535	86.94	92.43	83.25	80.28	84.03
0.74	0.781	0.712	0.699	0.535	79.62	84.64	76.13	73.39	77.18
0.726	0.74	0.671	0.685	0.521	72.92	77.55	69.61	67.12	70.86
0.671	0.726	0.671	0.671	0.494	66.82	71.08	63.63	61.38	65.07
0.658	0.671	0.644	0.644	0.48	61.27	65.13	58.23	56.19	59.77
0.63	0.671	0.63	0.644	0.466	56.13	59.7	53.27	51.38	54.88
0.603	0.658	0.603	0.617	0.466	51.45	54.74	48.7	47.02	50.42
0.603	0.63	0.589	0.617	0.466	47.18	50.17	44.58	43.02	46.29
0.589	0.617	0.562	0.589	0.439	43.25	45.97	40.8	39.34	42.53
0.562	0.603	0.562	0.589	0.453	39.64	42.16	37.32	36.01	39.06
0.548	0.589	0.535	0.589	0.425	36.35	38.69	34.17	32.93	35.89
0.535	0.576	0.535	0.562	0.425	33.34	35.48	31.28	30.12	32.97
Samp68 r	Samp69 r	Samp70 r	Samp71 r	Samp72 r	Samp73 r	Samp74 r	Samp75 r	Samp76 r	Samp77 r
3/20/2003 13:30					3/20/2003 16:00				
Average Peak Max.				8.4446	Average Peak Max.				1396.1
BCDMH Conc. (mM)				-0.000632	BCDMH Conc. (mM)				0.01662

Continuous System 8: Decomposition of 4.84 gram BCDMH Briquette

