

# APPENDIX A

July 26, 2007 Air Measurements by UV Hound @ Biederman Packaging Fire - Head St Dundas

All concentrations in parts per billion

Sample Date	Site Name	SO2	NO2	NO	NH3	CS2	H2S	Stvrene	n-Xylene	Toluene	m-Xylene	o-Xylene	Benzene		
2007/07/26 9:01	Greenville	nd		186.9	13.95	nd	nd	nd	24.03	10.74	0.20	nd	nd	nd	26.69
2007/07/26 9:02	Greenville	nd		124.0	43.18	nd	nd	nd	22.45	nd	0.46	nd	nd	nd	9.37
2007/07/26 9:03	Greenville	nd		103.2	nd	nd	nd	nd	nd	11.16	1.78	78.2	11.09	nd	nd
2007/07/26 9:04	Greenville	nd		502.0	nd	nd	nd	nd	14.40	38.35	3.13	139.7	32.55	nd	nd
2007/07/26 9:05	Greenville	nd		nd	2.16	nd	nd	nd	18.66	72.65	2.68	31.9	nd	nd	28.70
2007/07/26 9:06	Greenville	1.44		580.8	9.83	nd	nd	nd	nd	41.38	nd	nd	6.60	nd	26.17
2007/07/26 9:07	Greenville	1.46	672.4	17.1	41.63	nd	nd	nd	35.23	nd	0.83	116.4	nd	nd	nd
2007/07/26 9:08	Greenville upwind	4.63	382.9	14.4	36.12	nd	nd	nd	58.49	nd	0.97	49.9	nd	nd	nd
2007/07/26 9:15	downwind on site	nd	548.4	44.5	nd	nd	nd	nd	nd	266.38	5.30	273.4	58.32	nd	81.98
2007/07/26 9:16	downwind on site	26.56	1207.1	92.9	126.62	56.48	nd	nd	111.51	nd	7.30	519.9	nd	nd	3.70
2007/07/26 9:17	downwind on site	14.99		1216.1	97.34	47.29	nd	nd	166.88	nd	8.61	504.8	nd	nd	2.60
2007/07/26 9:18	downwind on site	nd	454.7	nd	nd	nd	11.82	nd	nd	236.28	nd	nd	49.84	21.35	1.72
2007/07/26 9:19	downwind on site	nd	748.1	nd	nd	nd	1.46	nd	27.60	265.48	4.82	153.3	80.93	6.22	95.60
2007/07/26 9:20	downwind on site	nd	169.4	nd	nd	nd	6.01	nd	nd	113.71	nd	nd	32.95	11.17	2.47
2007/07/26 9:21	downwind on site	nd	625.6	4.5	nd	nd	nd	nd	12.83	164.27	4.29	179.1	42.87	0.19	20.36
2007/07/26 9:22	downwind on site	2.21	1365.9	58.1	nd	nd	8.11	nd	nd	326.22	1.25	246.7	52.27	2.73	136.96
2007/07/26 9:23	downwind on site	15.90	703.4	11.3	37.54	19.61	nd	nd	13.36	nd	4.81	328.9	nd	nd	nd
2007/07/26 9:24	downwind on site	8.59	700.8	36.1	52.60	18.11	nd	nd	57.96	nd	8.87	464.4	nd	nd	nd
2007/07/26 9:25	downwind on site	8.18	1540.2	nd	nd	nd	nd	nd	nd	554.49	nd	nd	68.54	35.24	280.92
2007/07/26 9:37	downwind on site	17.04	1256.1	88.6	86.45	37.19	nd	nd	117.55	nd	7.21	458.2	nd	nd	nd
2007/07/26 9:42	downwind on site	4.30	1012.4	71.7	94.91	27.09	nd	nd	107.07	nd	7.86	432.5	nd	nd	nd
2007/07/26 9:47	downwind on site	24.97	818.3	74.7	102.64	40.97	nd	nd	124.91	nd	10.04	489.2	nd	nd	nd
2007/07/26 9:52	downwind on site	12.99	2865.7	nd	nd	nd	13.38	nd	nd	671.91	2.25	370.5	78.86	14.73	nd
2007/07/26 9:57	downwind on site	9.42	2468.8	nd	nd	nd	6.37	nd	nd	570.13	4.41	404.8	66.82	7.88	nd
#####	downwind on site	3.81	1299.6	110.9	78.75	29.60	nd	nd	140.15	nd	11.26	590.1	nd	nd	nd
#####	downwind on site	nd	1375.0	99.8	87.83	35.94	nd	nd	126.10	nd	9.79	557.7	nd	nd	nd
#####	downwind on site	2.49	1683.6	111.0	88.68	38.62	nd	nd	139.94	nd	11.53	660.2	nd	nd	nd
#####	downwind on site	nd	1567.5	149.4	79.18	32.21	nd	nd	148.03	nd	12.64	685.5	nd	nd	nd
#####	downwind on site	nd		1622.5	61.49	30.93	nd	nd	142.78	nd	10.62	608.7	nd	nd	nd
#####	downwind on site	nd		152.				nd							
#####	downwind on site	3.83	1670.9	98.34	41.58	41.58	nd	nd	163.12	nd	10.69	600.8	nd	nd	6.84
#####	downwind on site	2.05	1637.3	76.33	43.23	43.23	nd	nd	153.76	nd	13.77	762.7	nd	nd	nd
#####	downwind on site	2.50	1843.3	83.89	47.02	47.02	nd	nd	164.27	nd	13.81	790.2	nd	nd	5.10
#####	downwind on site	5.24	1619.0	78.05	43.74	43.74	nd	nd	173.26	nd	13.51	739.7	nd	nd	nd
#####	downwind on site	5.24	2017.7	75.07	44.12	44.12	nd	nd	160.88	nd	13.20	789.9	nd	nd	nd
#####	Brock_MacNab	nd	2270.1	322.8	79.21	62.47	nd	nd	185.19	nd	18.97	1128.8	nd	nd	nd
#####	Brock_MacNab	8.87	2197.7	297.6	77.38	55.88	nd	nd	184.90	nd	17.11	1024.4	nd	nd	nd
#####	Brock_MacNab	10.34	1670.6	242.2	94.02	49.03	nd	nd	152.80	nd	13.78	812.9	nd	nd	nd
#####	Brock_MacNab	5.31	1543.2	192.6	82.75	38.51	nd	nd	148.13	nd	11.32	656.0	nd	nd	nd
#####	Brock_MacNab	3.89	1078.8	141.9	84.52	29.36	nd	nd	119.38	nd	11.56	609.2	nd	nd	nd
#####	Brock_MacNab	nd	nd	0.2	nd	nd	nd	nd	nd	nd	49.52	24.3	nd	97.06	20.68
#####	Brock_MacNab	nd		152.2	nd	nd	9.26	nd	nd	65.53	nd	nd	nd	13.62	85.90
#####	Brock_MacNab	nd		9.3	nd	nd	5.61	nd	nd	71.25	nd	nd	5.16	7.46	67.26

	1 hr criterion 200 ppb		1/2 hr std (interim) 2200 ug/m3	1/2 hr std 2000 ug/m3	1/2 hr std (interim) 2200 ug/m3
Max 1/2 hr on site	1877 ppb		163 ppb	207 ppb	737 ppb
Max 1/2 hr off site	1460 ppb		( 718 ug/m3)	( 792 ug/m3)	( 3247 ug/m3)
			132 ppb		709 ppb
			( 582 ug/m3)		( 3124 ug/m3)

# Appendix A

29567- Niagara/Land Hamilton			29149 Peters Corners		
Time EST	WS1 km/hr	WD1	Time EST	WS1	WD1
8:00:00	0	310	08:00	6	204
8:05:00	1	348	08:05	6	203
8:10:00	2	341	08:10	9	205
8:15:00	2	343	08:15	9	200
8:20:00	2	346	08:20	7	204
8:25:00	3	353	08:25	8	203
8:30:00	1	330	08:30	9	209
8:35:00	2	351	08:35	10	216
8:40:00	3	354	08:40	11	205
8:45:00	3	349	08:45	14	210
8:50:00	3	357	08:50	12	220
8:55:00	1	343	08:55	12	221
9:00:00	2	12	09:00	10	218
9:05:00	1	72	09:05	10	212
9:10:00	1	349	09:10	8	185
9:15:00	2	351	09:15	10	190
9:20:00	3	354	09:20	12	204
9:25:00	6	1	09:25	8	196
9:30:00	5	18	09:30	7	165
9:35:00	7	9	09:35	7	176
9:40:00	8	18	09:40	9	189
9:45:00	7	38	09:45	8	208
9:50:00	7	32	09:50	7	212
9:55:00	9	32	09:55	8	209
10:00:00	9	29	10:00	6	184
10:05:00	8	22	10:05	7	157
10:10:00	8	30	10:10	8	180
10:15:00	7	27	10:15	9	195
10:20:00	7	30	10:20	8	193
10:25:00	7	36	10:25	11	199
10:30:00	7	40	10:30	11	213
10:35:00	7	28	10:35	13	210
10:40:00	8	25	10:40	9	171
10:45:00	8	19	10:45	8	192
10:50:00	7	17	10:50	12	193
10:55:00	9	19	10:55	15	199
11:00:00	8	24	11:00	14	169
11:05:00	8	38	11:05	15	164
11:10:00	9	33	11:10	12	197
11:15:00	7	38	11:15	12	185
11:20:00	8	33	11:20	16	190
11:25:00	5	134	11:25	17	171
11:30:00	5	33	11:30	18	178
11:35:00	8	161	11:35	16	174
11:40:00	7	213	11:40	16	170
11:45:00	11	200	11:45	17	162
11:50:00	11	195	11:50	16	166
11:55:00	7	207	11:55	18	179
12:00:00	10	183	12:00	15	198
12:05:00	15	190	12:05	17	190
12:10:00	10	199	12:10	19	194
12:15:00	10	193	12:15	15	177
12:20:00	12	197	12:20	18	178
12:25:00	10	192	12:25	19	185
12:30:00	8	213	12:30	17	182
12:35:00	8	218	12:35	18	179
12:40:00	11	205	12:40	18	171
12:45:00	8	226	12:45	17	190
12:50:00	13	208	12:50	15	186
12:55:00	9	215	12:55	20	187
13:00:00	14	191	13:00	15	179
13:05:00	14	180	13:05	20	188
13:10:00	7	230	13:10	16	190
13:15:00	11	203	13:15	21	170
13:20:00	9	208	13:20	14	184
13:25:00	9	224	13:25	18	197
13:30:00	12	213	13:30	15	202
13:35:00	13	200	13:35	15	168
13:40:00	11	210	13:40	19	197
13:45:00	11	210	13:45	17	210
13:50:00	12	211	13:50	19	202
13:55:00	12	197	13:55	17	184
14:00:00	15	195	14:00	20	192