

## **Appendix A2**

### **BAM Operation Description Record of PM<sub>2.5</sub> Measurements**

## **BAM Operation Description**

Each hour, the BAM performs a cycle consisting of four steps in order to produce an average hourly PM<sub>2.5</sub> concentration. Included in each cycle is an automatic calibration, which allows the instrument to provide highly accurate PM<sub>2.5</sub> concentrations each hour.

### Step 1: Initial Count

The BAM 1020 instrument houses a small <sup>14</sup>C element, which emits a constant source of high-energy electrons, or beta particles. During the first step of the sampling cycle, a blank section of filter tape is exposed to this element and the beta particles passing through the tape are detected with high precision by an ultra-sensitive scintillation counter. This initial count (I<sub>0</sub>) of the clean filter tape takes four minutes.

### Step 2: Ambient Air Sampling

The filter tape is advanced such that the area previously exposed to the <sup>14</sup>C element is now directly underneath the sampling inlet. A vacuum pump draws ambient air from outside at a known flow rate through a cyclone that removes any particles greater than 2.5 micron in diameter. This air is drawn downwards through a nozzle and across the section of filter tape where I<sub>0</sub> was just measured in Step 1. Thus, all PM<sub>2.5</sub> present in the sampled air is deposited onto the filter tape. This sample is collected for a duration of 50 minutes.

### Step 3: Calibration

While the sample is being collected on the filter tape, a second count (I<sub>1</sub>) occurs on a blank section of tape, where the <sup>14</sup>C element and counter are located (where I<sub>0</sub> is determined). This count allows for verification of instrument drift caused by varying external parameters such as temperature and relative humidity, and takes four minutes. A third count (I<sub>2</sub>) takes place at the same location with a reference membrane extended over the tape, and the instrument determines whether the measured variability is within an acceptable range.

### Step 4: Concentration Calculation

The section of the tape located underneath the sample inlet is moved back to where I<sub>0</sub> was counted, and the beta ray absorption through the section that has collected dust is measured (I<sub>3</sub>). This count results in the determination of a mass of PM<sub>2.5</sub>, which is divided by the total volume of air sampled to provide a concentration of PM<sub>2.5</sub> for the hour. This completes the hourly cycle.

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
4/1/2007 0:00	10.5	12.5
4/1/2007 1:00	14.0	12.4
4/1/2007 2:00	11.0	11.6
4/1/2007 3:00	12.8	13.3
4/1/2007 4:00	13.4	14.6
4/1/2007 5:00	14.2	15.5
4/1/2007 6:00	25.4	26.0
4/1/2007 7:00	25.4	36.8
4/1/2007 8:00	30.9	38.5
4/1/2007 9:00	27.5	49.8
4/1/2007 10:00	31.9	48.8
4/1/2007 11:00	28.9	44.3
4/1/2007 12:00	21.2	25.3
4/1/2007 13:00	21.6	20.2
4/1/2007 14:00	9.2	8.8
4/1/2007 15:00	9.7	5.0
4/1/2007 16:00	9.0	3.1
4/1/2007 17:00	5.3	6.3
4/1/2007 18:00	2.2	5.9
4/1/2007 19:00	2.9	6.1
4/1/2007 20:00	7.1	10.8
4/1/2007 21:00	10.6	14.7
4/1/2007 22:00	12.2	14.1
4/1/2007 23:00	13.8	13.5
4/2/2007 0:00	12.0	14.2
4/2/2007 1:00	9.8	11.2
4/2/2007 2:00	10.9	12.0
4/2/2007 3:00	7.0	13.8
4/2/2007 4:00	6.9	13.3
4/2/2007 5:00	7.9	12.4
4/2/2007 6:00	7.5	11.0
4/2/2007 7:00	7.6	11.0
4/2/2007 8:00	5.6	10.5
4/2/2007 9:00	7.4	9.9
4/2/2007 10:00	5.2	7.5
4/2/2007 11:00	6.6	10.1
4/2/2007 12:00	6.2	11.6
4/2/2007 13:00	4.9	8.1
4/2/2007 14:00	8.7	7.3
4/2/2007 15:00	8.7	6.6
4/2/2007 16:00	7.6	6.0
4/2/2007 17:00	9.3	7.1
4/2/2007 18:00	10.5	9.1

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### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
4/2/2007 19:00	13.3	11.8
4/2/2007 20:00	15.4	16.1
4/2/2007 21:00	14.3	15.5
4/2/2007 22:00	21.6	20.7
4/2/2007 23:00	17.5	19.2
4/3/2007 0:00	16.8	19.4
4/3/2007 1:00	14.9	18.5
4/3/2007 2:00	14.4	23.7
4/3/2007 3:00	14.1	12.6
4/3/2007 4:00	12.9	12.4
4/3/2007 5:00	11.3	14.2
4/3/2007 6:00	9.0	13.8
4/3/2007 7:00	9.7	13.4
4/3/2007 8:00	10.2	13.9
4/3/2007 9:00	12.8	13.2
4/3/2007 10:00	12.4	14.1
4/3/2007 11:00	9.5	14.3
4/3/2007 12:00	9.7	14.6
4/3/2007 13:00	12.2	14.7
4/3/2007 14:00	16.4	12.5
4/3/2007 15:00	16.9	14.6
4/3/2007 16:00	16.1	17.0
4/3/2007 17:00	16.3	17.2
4/3/2007 18:00	17.0	19.1
4/3/2007 19:00	13.3	20.7
4/3/2007 20:00	14.5	19.3
4/3/2007 21:00	21.6	24.7
4/3/2007 22:00	22.9	25.6
4/3/2007 23:00	20.9	18.7
4/4/2007 0:00	15.8	16.2
4/4/2007 1:00	14.0	13.5
4/4/2007 2:00	14.2	23.3
4/4/2007 3:00	11.0	17.9
4/4/2007 4:00	9.2	15.9
4/4/2007 5:00	10.7	13.5
4/4/2007 6:00	9.4	13.2
4/4/2007 7:00	8.8	13.5
4/4/2007 8:00	8.2	12.6
4/4/2007 9:00	9.9	8.7
4/4/2007 10:00	6.9	6.0
4/4/2007 11:00	4.5	6.9
4/4/2007 12:00	7.6	6.5
4/4/2007 13:00	6.8	5.1

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### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
4/4/2007 14:00	4.4	4.3
4/4/2007 15:00	3.5	4.2
4/4/2007 16:00	1.8	4.3
4/4/2007 17:00	4.0	7.7
4/4/2007 18:00	6.7	10.2
4/4/2007 19:00	6.4	10.7
4/4/2007 20:00	10.4	9.1
4/4/2007 21:00	11.4	7.9
4/4/2007 22:00	10.0	12.3
4/4/2007 23:00	9.4	11.6
4/5/2007 0:00	8.7	8.2
4/5/2007 1:00	9.7	8.4
4/5/2007 2:00	8.6	9.2
4/5/2007 3:00	7.1	9.7
4/5/2007 4:00	6.1	9.7
4/5/2007 5:00	3.7	8.4
4/5/2007 6:00	2.6	6.8
4/5/2007 7:00	5.6	7.2
4/5/2007 8:00	7.8	6.7
4/5/2007 9:00	9.6	6.6
4/5/2007 10:00	8.5	11.0
4/5/2007 11:00	7.8	11.6
4/5/2007 12:00	11.0	10.0
4/5/2007 13:00	10.5	9.3
4/5/2007 14:00	10.0	8.3
4/5/2007 15:00	9.7	6.8
4/5/2007 16:00	10.2	5.5
4/5/2007 17:00	11.5	7.3
4/5/2007 18:00	10.2	10.0
4/5/2007 19:00	11.2	7.5
4/5/2007 20:00	11.7	5.3
4/5/2007 21:00	10.8	8.7
4/5/2007 22:00	13.4	11.8
4/5/2007 23:00	13.4	12.9
4/6/2007 0:00	10.4	10.8
4/6/2007 1:00	9.3	5.8
4/6/2007 2:00	5.7	5.0
4/6/2007 3:00	3.9	5.7
4/6/2007 4:00	5.9	6.1
4/6/2007 5:00	7.6	9.2
4/6/2007 6:00	8.5	9.1
4/6/2007 7:00	10.5	7.0
4/6/2007 8:00	8.7	5.6

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### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
4/6/2007 9:00	6.2	6.1
4/6/2007 10:00	8.0	5.3
4/6/2007 11:00	7.2	3.8
4/6/2007 12:00	7.8	5.4
4/6/2007 13:00	12.3	7.0
4/6/2007 14:00	10.7	5.8
4/6/2007 15:00	6.7	4.8
4/6/2007 16:00	8.0	4.4
4/6/2007 17:00	8.2	7.4
4/6/2007 18:00	8.7	8.8
4/6/2007 19:00	11.9	10.3
4/6/2007 20:00	11.4	10.3
4/6/2007 21:00	11.8	9.9
4/6/2007 22:00	11.4	10.2
4/6/2007 23:00	5.9	7.4
4/7/2007 0:00	5.6	6.2
4/7/2007 1:00	5.2	7.3
4/7/2007 2:00	5.8	9.3
4/7/2007 3:00	9.5	8.8
4/7/2007 4:00	7.8	9.5
4/7/2007 5:00	7.9	9.4
4/7/2007 6:00	6.6	7.7
4/7/2007 7:00	6.3	9.2
4/7/2007 8:00	6.2	8.0
4/7/2007 9:00	7.7	4.3
4/7/2007 10:00	11.2	5.3
4/7/2007 11:00	6.8	5.1
4/7/2007 12:00	8.3	4.3
4/7/2007 13:00	12.5	7.7
4/7/2007 14:00	8.0	8.4
4/7/2007 15:00	6.2	4.7
4/7/2007 16:00	10.2	4.0
4/7/2007 17:00	9.9	8.4
4/7/2007 18:00	9.5	11.0
4/7/2007 19:00	11.4	12.2
4/7/2007 20:00	11.2	9.7
4/7/2007 21:00	10.9	7.1
4/7/2007 22:00	10.8	8.8
4/7/2007 23:00	14.0	9.1
4/8/2007 0:00	14.0	9.2
4/8/2007 1:00	10.8	8.4
4/8/2007 2:00	8.7	12.1
4/8/2007 3:00	3.9	13.8

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### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
4/8/2007 4:00	2.0	9.2
4/8/2007 5:00	5.8	8.7
4/8/2007 6:00	9.7	8.7
4/8/2007 7:00	9.3	9.9
4/8/2007 8:00	8.5	10.1
4/8/2007 9:00	9.5	10.1
4/8/2007 10:00	4.6	10.6
4/8/2007 11:00	3.3	6.9
4/8/2007 12:00	10.2	4.9
4/8/2007 13:00	10.0	5.8
4/8/2007 14:00	5.6	4.3
4/8/2007 15:00	5.4	4.9
4/8/2007 16:00	9.7	6.3
4/8/2007 17:00	10.6	7.3
4/8/2007 18:00	8.1	7.7
4/8/2007 19:00	7.5	7.0
4/8/2007 20:00	8.3	9.2
4/8/2007 21:00	11.2	9.6
4/8/2007 22:00	11.4	10.2
4/8/2007 23:00	11.0	11.6
4/9/2007 0:00	12.2	11.7
4/9/2007 1:00	12.8	10.2
4/9/2007 2:00	14.2	9.1
4/9/2007 3:00	11.5	11.4
4/9/2007 4:00	10.5	13.4
4/9/2007 5:00	12.4	11.4
4/9/2007 6:00	11.2	8.4
4/9/2007 7:00	13.1	9.9
4/9/2007 8:00	14.3	12.1
4/9/2007 9:00	10.3	10.1
4/9/2007 10:00	9.7	12.2
4/9/2007 11:00	15.2	15.1
4/9/2007 12:00	18.3	12.9
4/9/2007 13:00	14.3	9.6
4/9/2007 14:00	12.2	8.4
4/9/2007 15:00	11.4	6.9
4/9/2007 16:00	10.8	8.1
4/9/2007 17:00	15.6	14.0
4/9/2007 18:00	19.0	16.2
4/9/2007 19:00	17.3	15.4
4/9/2007 20:00	15.4	16.9
4/9/2007 21:00	23.9	21.4
4/9/2007 22:00	20.5	21.8

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
4/9/2007 23:00	32.1	33.5
4/10/2007 0:00	25.5	24.4
4/10/2007 1:00	22.5	24.5
4/10/2007 2:00	31.3	25.1
4/10/2007 3:00	19.0	23.1
4/10/2007 4:00	30.5	23.1
4/10/2007 5:00	32.2	26.9
4/10/2007 6:00	29.8	26.0
4/10/2007 7:00	26.5	26.4
4/10/2007 8:00	27.7	26.7
4/10/2007 9:00	35.4	24.6
4/10/2007 10:00	22.1	22.2
4/10/2007 11:00	21.0	19.0
4/10/2007 12:00	22.4	18.8
4/10/2007 13:00	18.3	17.7
4/10/2007 14:00	19.1	14.0
4/10/2007 15:00	18.7	12.9
4/10/2007 16:00	18.3	15.1
4/10/2007 17:00	19.3	17.7
4/10/2007 18:00	19.3	18.5
4/10/2007 19:00	17.0	15.8
4/10/2007 20:00	14.3	23.9
4/10/2007 21:00	23.0	21.9
4/10/2007 22:00	19.3	21.0
4/10/2007 23:00	16.2	25.8
4/11/2007 0:00	22.5	24.4
4/11/2007 1:00	18.3	23.8
4/11/2007 2:00	17.1	21.4
4/11/2007 3:00	16.2	16.6
4/11/2007 4:00	18.1	24.0
4/11/2007 5:00	20.7	22.7
4/11/2007 6:00	12.4	12.0
4/11/2007 7:00	13.1	12.3
4/11/2007 8:00	12.1	12.3
4/11/2007 9:00	10.3	11.8
4/11/2007 10:00	12.4	11.0
4/11/2007 11:00	16.6	14.3
4/11/2007 12:00	23.3	25.1
4/11/2007 13:00	27.6	25.0
4/11/2007 14:00	20.6	28.7
4/11/2007 15:00	27.0	29.4
4/11/2007 16:00	27.3	25.2
4/11/2007 17:00	21.4	31.3



## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
4/11/2007 18:00	27.5	22.1
4/11/2007 19:00	30.8	28.6
4/11/2007 20:00	29.6	31.1
4/11/2007 21:00	27.7	29.2
4/11/2007 22:00	19.8	21.4
4/11/2007 23:00	20.5	21.6
4/12/2007 0:00	19.1	20.5
4/12/2007 1:00	17.8	23.5
4/12/2007 2:00	25.9	18.7
4/12/2007 3:00	21.4	27.7
4/12/2007 4:00	9.7	14.6
4/12/2007 5:00	10.8	14.7
4/12/2007 6:00	12.7	12.5
4/12/2007 7:00	12.9	10.4
4/12/2007 8:00	13.2	10.7
4/12/2007 9:00	13.5	13.3
4/12/2007 10:00	13.7	14.0
4/12/2007 11:00	14.1	12.4
4/12/2007 12:00	12.9	12.4
4/12/2007 13:00	11.2	12.9
4/12/2007 14:00	11.0	11.4
4/12/2007 15:00	10.7	10.6
4/12/2007 16:00	11.8	11.8
4/12/2007 17:00	13.9	11.0
4/12/2007 18:00	14.7	11.4
4/12/2007 19:00	13.3	15.7
4/12/2007 20:00	8.1	14.7
4/12/2007 21:00	7.8	10.1
4/12/2007 22:00	8.3	9.4
4/12/2007 23:00	9.3	11.2
4/13/2007 0:00	14.0	11.6
4/13/2007 1:00	12.5	8.4
4/13/2007 2:00	7.2	9.9
4/13/2007 3:00	9.5	10.4
4/13/2007 4:00	11.0	9.8
4/13/2007 5:00	10.6	11.6
4/13/2007 6:00	10.5	14.2
4/13/2007 7:00	8.3	13.6
4/13/2007 8:00	8.5	9.1
4/13/2007 9:00	10.8	10.2
4/13/2007 10:00	11.1	10.2
4/13/2007 11:00	9.7	9.2
4/13/2007 12:00	8.7	11.1

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### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
4/13/2007 13:00	7.4	12.5
4/13/2007 14:00	7.8	11.4
4/13/2007 15:00	8.6	9.4
4/13/2007 16:00	7.6	8.4
4/13/2007 17:00	8.1	7.6
4/13/2007 18:00	10.3	8.7
4/13/2007 19:00	11.4	9.1
4/13/2007 20:00	12.6	8.7
4/13/2007 21:00	13.8	12.5
4/13/2007 22:00	16.2	17.6
4/13/2007 23:00	16.8	20.8
4/14/2007 0:00	15.6	12.4
4/14/2007 1:00	12.9	11.6
4/14/2007 2:00	13.5	12.2
4/14/2007 3:00	15.8	14.4
4/14/2007 4:00	16.8	13.1
4/14/2007 5:00	18.9	11.7
4/14/2007 6:00	23.7	14.9
4/14/2007 7:00	14.0	17.3
4/14/2007 8:00	21.0	16.4
4/14/2007 9:00	13.1	15.9
4/14/2007 10:00	10.6	11.0
4/14/2007 11:00	11.3	8.8
4/14/2007 12:00	12.7	13.2
4/14/2007 13:00	6.7	10.3
4/14/2007 14:00	7.6	7.5
4/14/2007 15:00	11.7	8.4
4/14/2007 16:00	14.5	9.9
4/14/2007 17:00	18.5	20.2
4/14/2007 18:00	16.6	22.7
4/14/2007 19:00	14.4	12.7
4/14/2007 20:00	13.5	12.5
4/14/2007 21:00	11.7	12.1
4/14/2007 22:00	12.8	10.8
4/14/2007 23:00	12.7	12.7
4/15/2007 0:00	13.3	12.2
4/15/2007 1:00	14.0	8.0
4/15/2007 2:00	9.8	9.8
4/15/2007 3:00	6.0	9.9
4/15/2007 4:00	9.3	11.0
4/15/2007 5:00	14.7	12.3
4/15/2007 6:00	9.7	10.5
4/15/2007 7:00	6.2	11.6

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### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
4/15/2007 8:00	7.5	10.7
4/15/2007 9:00	9.1	10.3
4/15/2007 10:00	8.0	10.9
4/15/2007 11:00	4.6	9.4
4/15/2007 12:00	7.0	8.9
4/15/2007 13:00	7.9	9.9
4/15/2007 14:00	7.6	8.9
4/15/2007 15:00	12.7	5.6
4/15/2007 16:00	12.9	8.6
4/15/2007 17:00	10.8	4.7
4/15/2007 18:00	15.5	11.7
4/15/2007 19:00	15.5	9.6
4/15/2007 20:00	13.2	9.2
4/15/2007 21:00	13.4	14.0
4/15/2007 22:00	11.4	17.3
4/15/2007 23:00	11.0	16.8
4/16/2007 0:00	8.4	14.2
4/16/2007 1:00	5.8	8.6
4/16/2007 2:00	7.2	6.2
4/16/2007 3:00	9.5	9.2
4/16/2007 4:00	8.9	11.0
4/16/2007 5:00	6.7	12.7
4/16/2007 6:00	9.0	12.3
4/16/2007 7:00	10.8	9.6
4/16/2007 8:00	7.8	7.7
4/16/2007 9:00	8.0	9.0
4/16/2007 10:00	8.8	7.0
4/16/2007 11:00	7.4	4.4
4/16/2007 12:00	7.5	6.3
4/16/2007 13:00	4.9	8.1
4/16/2007 14:00	3.6	7.9
4/16/2007 15:00	7.1	6.3
4/16/2007 16:00	8.5	7.1
4/16/2007 17:00	11.8	6.0
4/16/2007 18:00	14.3	5.5
4/16/2007 19:00	10.7	6.9
4/16/2007 20:00	8.7	8.1
4/16/2007 21:00	9.4	11.1
4/16/2007 22:00	7.9	13.0
4/16/2007 23:00	7.7	11.8
4/17/2007 0:00	11.2	12.4
4/17/2007 1:00	14.3	14.1
4/17/2007 2:00	13.9	13.1

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
4/17/2007 3:00	11.2	10.1
4/17/2007 4:00	10.4	10.2
4/17/2007 5:00	10.8	10.2
4/17/2007 6:00	10.4	11.7
4/17/2007 7:00	11.4	15.9
4/17/2007 8:00	20.0	12.8
4/17/2007 9:00	17.9	12.6
4/17/2007 10:00	14.7	12.2
4/17/2007 11:00	9.7	8.2
4/17/2007 12:00	8.2	7.5
4/17/2007 13:00	9.3	7.9
4/17/2007 14:00	10.8	7.9
4/17/2007 15:00	9.8	7.1
4/17/2007 16:00	8.6	4.6
4/17/2007 17:00	8.2	4.9
4/17/2007 18:00	8.2	9.4
4/17/2007 19:00	21.4	20.9
4/17/2007 20:00	17.8	23.5
4/17/2007 21:00	14.3	18.5
4/17/2007 22:00	9.0	16.7
4/17/2007 23:00	7.4	16.5
4/18/2007 0:00	7.6	16.1
4/18/2007 1:00	9.1	13.8
4/18/2007 2:00	10.7	14.3
4/18/2007 3:00	9.7	11.5
4/18/2007 4:00	11.8	9.0
4/18/2007 5:00	11.3	12.3
4/18/2007 6:00	10.8	15.7
4/18/2007 7:00	10.6	15.1
4/18/2007 8:00	9.2	22.1
4/18/2007 9:00	13.6	21.1
4/18/2007 10:00	13.8	21.0
4/18/2007 11:00	13.5	17.5
4/18/2007 12:00	15.4	14.9
4/18/2007 13:00	13.6	11.2
4/18/2007 14:00	9.1	11.6
4/18/2007 15:00	11.1	14.0
4/18/2007 16:00	16.4	13.5
4/18/2007 17:00	11.5	14.6
4/18/2007 18:00	8.2	15.1
4/18/2007 19:00	10.7	20.9
4/18/2007 20:00	10.1	19.0
4/18/2007 21:00	11.3	16.5

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
4/18/2007 22:00	25.2	23.8
4/18/2007 23:00	26.5	24.0
4/19/2007 0:00	24.3	21.3
4/19/2007 1:00	18.0	11.4
4/19/2007 2:00	17.1	14.5
4/19/2007 3:00	17.3	20.2
4/19/2007 4:00	17.6	25.5
4/19/2007 5:00	23.5	22.0
4/19/2007 6:00	15.2	15.1
4/19/2007 7:00	16.1	13.8
4/19/2007 8:00	13.4	20.9
4/19/2007 9:00	9.3	19.8
4/19/2007 10:00	12.8	12.9
4/19/2007 11:00	14.8	12.9
4/19/2007 12:00	10.7	12.3
4/19/2007 13:00	7.5	10.9
4/19/2007 14:00	8.3	8.1
4/19/2007 15:00	11.0	7.6
4/19/2007 16:00	14.4	10.9
4/19/2007 17:00	15.0	14.5
4/19/2007 18:00	15.4	16.6
4/19/2007 19:00	15.7	15.9
4/19/2007 20:00	12.6	13.6
4/19/2007 21:00	12.9	13.6
4/19/2007 22:00	11.8	26.1
4/19/2007 23:00	10.8	17.0
4/20/2007 0:00	11.0	16.4
4/20/2007 1:00	14.2	14.2
4/20/2007 2:00	15.3	14.6
4/20/2007 3:00	11.2	15.6
4/20/2007 4:00	10.7	15.3
4/20/2007 5:00	11.6	13.9
4/20/2007 6:00	11.3	19.7
4/20/2007 7:00	11.6	12.0
4/20/2007 8:00	14.5	13.5
4/20/2007 9:00	17.5	13.9
4/20/2007 10:00	18.3	13.0
4/20/2007 11:00	17.1	15.5
4/20/2007 12:00	15.4	15.0
4/20/2007 13:00	11.9	10.9
4/20/2007 14:00	10.1	6.9
4/20/2007 15:00	9.0	4.0
4/20/2007 16:00	7.4	6.0

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
4/20/2007 17:00	10.6	7.0
4/20/2007 18:00	11.7	7.8
4/20/2007 19:00	10.2	12.2
4/20/2007 20:00	10.5	12.6
4/20/2007 21:00	13.5	13.5
4/20/2007 22:00	20.9	25.8
4/20/2007 23:00	19.9	27.5
4/21/2007 0:00	25.6	32.9
4/21/2007 1:00	39.2	33.3
4/21/2007 2:00	32.9	41.4
4/21/2007 3:00	26.8	26.9
4/21/2007 4:00	34.0	35.7
4/21/2007 5:00	43.6	36.2
4/21/2007 6:00	38.8	35.9
4/21/2007 7:00	33.2	34.0
4/21/2007 8:00	38.8	34.2
4/21/2007 9:00	35.8	32.4
4/21/2007 10:00	30.4	26.6
4/21/2007 11:00	24.7	23.7
4/21/2007 12:00	27.1	22.9
4/21/2007 13:00	17.6	13.3
4/21/2007 14:00	22.2	21.3
4/21/2007 15:00	20.9	16.9
4/21/2007 16:00	17.7	12.0
4/21/2007 17:00	14.3	9.4
4/21/2007 18:00	12.8	12.0
4/21/2007 19:00	20.1	14.1
4/21/2007 20:00	9.8	12.3
4/21/2007 21:00	7.5	9.9
4/21/2007 22:00	9.4	23.8
4/21/2007 23:00	15.0	15.7
4/22/2007 0:00	23.0	15.7
4/22/2007 1:00	15.4	16.1
4/22/2007 2:00	16.4	20.6
4/22/2007 3:00	17.9	16.8
4/22/2007 4:00	17.9	17.9
4/22/2007 5:00	26.1	20.3
4/22/2007 6:00	15.8	19.2
4/22/2007 7:00	20.2	20.7
4/22/2007 8:00	26.1	20.3
4/22/2007 9:00	20.9	14.4
4/22/2007 10:00	18.3	14.5
4/22/2007 11:00	25.9	26.4

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
4/22/2007 12:00	26.9	20.5
4/22/2007 13:00	31.6	18.7
4/22/2007 14:00	29.8	26.8
4/22/2007 15:00	24.5	23.3
4/22/2007 16:00	23.2	19.3
4/22/2007 17:00	32.6	24.2
4/22/2007 18:00	23.9	25.8
4/22/2007 19:00	27.3	21.1
4/22/2007 20:00	24.8	28.7
4/22/2007 21:00	28.3	20.9
4/22/2007 22:00	23.1	24.8
4/22/2007 23:00	25.6	34.2
4/23/2007 0:00	32.8	27.0
4/23/2007 1:00	36.6	33.0
4/23/2007 2:00	37.4	35.3
4/23/2007 3:00	35.7	32.4
4/23/2007 4:00	32.0	30.1
4/23/2007 5:00	31.3	31.9
4/23/2007 6:00	28.2	30.4
4/23/2007 7:00	31.3	28.7
4/23/2007 8:00	26.9	27.8
4/23/2007 9:00	24.0	26.7
4/23/2007 10:00	20.9	20.3
4/23/2007 11:00	33.8	22.6
4/23/2007 12:00	22.9	29.2
4/23/2007 13:00	28.5	25.0
4/23/2007 14:00	22.5	22.9
4/23/2007 15:00	28.2	30.1
4/23/2007 16:00	25.2	22.6
4/23/2007 17:00	20.6	27.7
4/23/2007 18:00	17.9	28.9
4/23/2007 19:00	18.6	18.3
4/23/2007 20:00	17.7	17.3
4/23/2007 21:00	23.1	20.0
4/23/2007 22:00	16.1	18.2
4/23/2007 23:00	11.2	15.3
4/24/2007 0:00	8.4	14.6
4/24/2007 1:00	7.2	15.0
4/24/2007 2:00	5.8	10.1
4/24/2007 3:00	9.1	9.4
4/24/2007 4:00	10.9	9.3
4/24/2007 5:00	10.8	10.6
4/24/2007 6:00	13.8	15.7

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
4/24/2007 7:00	12.7	14.0
4/24/2007 8:00	24.0	12.6
4/24/2007 9:00	10.0	12.5
4/24/2007 10:00	11.8	6.6
4/24/2007 11:00	11.7	1.9
4/24/2007 12:00	12.1	5.0
4/24/2007 13:00	11.3	5.3
4/24/2007 14:00	14.0	10.1
4/24/2007 15:00	17.5	18.3
4/24/2007 16:00	16.5	18.5
4/24/2007 17:00	16.6	18.7
4/24/2007 18:00	20.2	13.5
4/24/2007 19:00	16.7	8.9
4/24/2007 20:00	13.7	9.1
4/24/2007 21:00	10.2	12.2
4/24/2007 22:00	10.2	16.4
4/24/2007 23:00	11.4	14.5
4/25/2007 0:00	13.1	14.4
4/25/2007 1:00	15.2	16.1
4/25/2007 2:00	16.3	15.8
4/25/2007 3:00	14.8	19.8
4/25/2007 4:00	14.0	7.7
4/25/2007 5:00	21.2	8.1
4/25/2007 6:00	4.2	11.8
4/25/2007 7:00	9.2	16.6
4/25/2007 8:00	14.0	16.9
4/25/2007 9:00	12.5	12.7
4/25/2007 10:00	12.3	12.3
4/25/2007 11:00	13.7	14.4
4/25/2007 12:00	13.1	13.9
4/25/2007 13:00	11.8	13.0
4/25/2007 14:00	14.1	12.9
4/25/2007 15:00	4.9	15.0
4/25/2007 16:00	10.9	12.8
4/25/2007 17:00	9.3	11.0
4/25/2007 18:00	7.5	15.9
4/25/2007 19:00	11.0	17.6
4/25/2007 20:00	8.9	14.7
4/25/2007 21:00	4.9	13.5
4/25/2007 22:00	7.3	9.6
4/25/2007 23:00	10.2	10.7
4/26/2007 0:00	15.2	15.3
4/26/2007 1:00	16.4	16.6



## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
4/26/2007 2:00	16.9	18.5
4/26/2007 3:00	17.9	16.9
4/26/2007 4:00	15.4	16.8
4/26/2007 5:00	16.0	15.7
4/26/2007 6:00	17.1	14.2
4/26/2007 7:00	17.7	14.3
4/26/2007 8:00	14.3	16.3
4/26/2007 9:00	12.1	16.3
4/26/2007 10:00	12.1	15.1
4/26/2007 11:00	11.2	14.4
4/26/2007 12:00	10.4	14.0
4/26/2007 13:00	8.2	17.4
4/26/2007 14:00	10.2	16.9
4/26/2007 15:00	15.0	15.4
4/26/2007 16:00	18.9	22.0
4/26/2007 17:00	23.1	24.2
4/26/2007 18:00	26.8	32.2
4/26/2007 19:00	17.0	26.8
4/26/2007 20:00	24.2	32.1
4/26/2007 21:00	16.8	29.6
4/26/2007 22:00	23.3	40.1
4/26/2007 23:00	19.3	39.7
4/27/2007 0:00	20.0	31.6
4/27/2007 1:00	24.6	32.6
4/27/2007 2:00	34.7	36.3
4/27/2007 3:00	19.0	18.1
4/27/2007 4:00	13.8	19.8
4/27/2007 5:00	12.8	15.8
4/27/2007 6:00	20.8	17.1
4/27/2007 7:00	29.3	24.1
4/27/2007 8:00	22.9	26.0
4/27/2007 9:00	21.9	28.8
4/27/2007 10:00	26.6	18.8
4/27/2007 11:00	12.9	18.5
4/27/2007 12:00	11.4	16.4
4/27/2007 13:00	13.9	14.0
4/27/2007 14:00	14.8	14.4
4/27/2007 15:00	9.5	13.2
4/27/2007 16:00	11.0	12.9
4/27/2007 17:00	13.2	13.2
4/27/2007 18:00	13.5	14.5
4/27/2007 19:00	11.6	14.9
4/27/2007 20:00	11.2	14.7

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
4/27/2007 21:00	12.7	16.4
4/27/2007 22:00	15.2	16.2
4/27/2007 23:00	17.5	17.5
4/28/2007 0:00	16.9	14.1
4/28/2007 1:00	16.2	10.7
4/28/2007 2:00	15.8	13.6
4/28/2007 3:00	13.0	16.4
4/28/2007 4:00	7.0	12.4
4/28/2007 5:00	7.2	6.5
4/28/2007 6:00	10.4	7.7
4/28/2007 7:00	12.0	11.7
4/28/2007 8:00	13.4	15.1
4/28/2007 9:00	22.7	21.0
4/28/2007 10:00	28.8	29.0
4/28/2007 11:00	29.5	17.9
4/28/2007 12:00	19.5	17.2
4/28/2007 13:00	19.7	16.6
4/28/2007 14:00	16.2	14.0
4/28/2007 15:00	11.3	11.4
4/28/2007 16:00	12.7	12.2
4/28/2007 17:00	11.6	11.8
4/28/2007 18:00	9.5	8.8
4/28/2007 19:00	11.0	10.5
4/28/2007 20:00	14.1	13.2
4/28/2007 21:00	14.1	13.5
4/28/2007 22:00	13.6	17.2
4/28/2007 23:00	26.7	21.6
4/29/2007 0:00	22.4	26.7
4/29/2007 1:00	34.2	26.2
4/29/2007 2:00	43.0	35.2
4/29/2007 3:00	30.9	39.7
4/29/2007 4:00	28.4	24.3
4/29/2007 5:00	25.1	28.9
4/29/2007 6:00	16.9	12.4
4/29/2007 7:00	15.8	14.3
4/29/2007 8:00	15.4	17.5
4/29/2007 9:00	16.8	14.4
4/29/2007 10:00	15.4	8.7
4/29/2007 11:00	12.9	9.8
4/29/2007 12:00	13.7	12.7
4/29/2007 13:00	14.8	15.9
4/29/2007 14:00	16.1	14.0
4/29/2007 15:00	14.8	8.1

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
4/29/2007 16:00	14.8	6.8
4/29/2007 17:00	13.5	6.3
4/29/2007 18:00	11.2	7.0
4/29/2007 19:00	12.2	8.7
4/29/2007 20:00	11.4	10.7
4/29/2007 21:00	11.2	20.3
4/29/2007 22:00	10.4	17.9
4/29/2007 23:00	8.9	17.4
4/30/2007 0:00	10.8	14.7
4/30/2007 1:00	15.1	12.7
4/30/2007 2:00	15.6	13.9
4/30/2007 3:00	11.9	12.9
4/30/2007 4:00	9.3	12.4
4/30/2007 5:00	9.6	12.1
4/30/2007 6:00	11.6	11.7
4/30/2007 7:00	13.7	15.5
4/30/2007 8:00	12.9	13.8
4/30/2007 9:00	8.9	10.4
4/30/2007 10:00	8.7	7.0
4/30/2007 11:00	8.9	4.2
4/30/2007 12:00	9.5	6.6
4/30/2007 13:00	12.9	7.2
4/30/2007 14:00	13.7	8.0
4/30/2007 15:00	11.6	8.6
4/30/2007 16:00	11.4	8.5
4/30/2007 17:00	13.1	10.6
4/30/2007 18:00	11.2	11.4
4/30/2007 19:00	10.0	13.7
4/30/2007 20:00	9.5	17.3
4/30/2007 21:00	10.4	20.2
4/30/2007 22:00	21.3	23.7
4/30/2007 23:00	19.2	22.2
5/1/2007 0:00	16.7	17.7
5/1/2007 1:00	11.0	15.0
5/1/2007 2:00	9.6	12.1
5/1/2007 3:00	11.2	15.0
5/1/2007 4:00	10.5	16.2
5/1/2007 5:00	9.0	19.9
5/1/2007 6:00	8.8	14.6
5/1/2007 7:00	9.3	16.2
5/1/2007 8:00	10.4	22.7
5/1/2007 9:00	9.9	6.2
5/1/2007 10:00	7.2	7.0

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
5/1/2007 11:00	8.3	5.1
5/1/2007 12:00	7.4	6.1
5/1/2007 13:00	7.8	8.7
5/1/2007 14:00	11.8	6.8
5/1/2007 15:00	14.0	7.2
5/1/2007 16:00	12.3	11.6
5/1/2007 17:00	12.8	20.9
5/1/2007 18:00	17.1	12.4
5/1/2007 19:00	18.0	28.8
5/1/2007 20:00	13.2	20.0
5/1/2007 21:00	10.0	23.6
5/1/2007 22:00	28.9	32.8
5/1/2007 23:00	23.5	31.8
5/2/2007 0:00	23.3	30.4
5/2/2007 1:00	28.7	33.5
5/2/2007 2:00	34.1	45.2
5/2/2007 3:00	33.0	40.1
5/2/2007 4:00	28.5	43.0
5/2/2007 5:00	30.5	36.9
5/2/2007 6:00	30.4	33.1
5/2/2007 7:00	20.2	31.1
5/2/2007 8:00	18.9	29.2
5/2/2007 9:00	36.9	31.7
5/2/2007 10:00	33.1	34.9
5/2/2007 11:00	35.3	39.2
5/2/2007 12:00	35.5	34.8
5/2/2007 13:00	30.3	30.4
5/2/2007 14:00	30.7	26.6
5/2/2007 15:00	27.1	21.4
5/2/2007 16:00	13.7	15.8
5/2/2007 17:00	14.1	21.6
5/2/2007 18:00	23.5	25.8
5/2/2007 19:00	30.8	31.0
5/2/2007 20:00	21.2	23.1
5/2/2007 21:00	15.6	18.1
5/2/2007 22:00	15.8	25.0
5/2/2007 23:00	15.2	21.0
5/3/2007 0:00	13.8	17.7
5/3/2007 1:00	13.2	15.0
5/3/2007 2:00	14.8	12.2
5/3/2007 3:00	13.1	10.9
5/3/2007 4:00	8.6	11.1
5/3/2007 5:00	13.4	11.8

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
5/3/2007 6:00	14.0	11.1
5/3/2007 7:00	10.5	12.9
5/3/2007 8:00	15.0	15.0
5/3/2007 9:00	13.3	12.5
5/3/2007 10:00	9.9	9.9
5/3/2007 11:00	9.4	10.3
5/3/2007 12:00	8.5	9.1
5/3/2007 13:00	10.6	8.6
5/3/2007 14:00	10.7	10.6
5/3/2007 15:00	10.6	12.4
5/3/2007 16:00	11.2	11.0
5/3/2007 17:00	11.5	6.8
5/3/2007 18:00	11.5	5.3
5/3/2007 19:00	12.0	7.1
5/3/2007 20:00	15.5	12.7
5/3/2007 21:00	16.8	21.3
5/3/2007 22:00	15.0	20.3
5/3/2007 23:00	13.5	22.4
5/4/2007 0:00	13.6	19.1
5/4/2007 1:00	13.5	17.4
5/4/2007 2:00	20.6	16.3
5/4/2007 3:00	15.6	11.0
5/4/2007 4:00	14.4	6.3
5/4/2007 5:00	12.7	8.7
5/4/2007 6:00	12.2	10.5
5/4/2007 7:00	10.0	11.7
5/4/2007 8:00	9.5	12.5
5/4/2007 9:00	11.1	11.5
5/4/2007 10:00	10.4	8.8
5/4/2007 11:00	9.5	7.5
5/4/2007 12:00	7.9	9.6
5/4/2007 13:00	8.7	14.2
5/4/2007 14:00	10.8	15.1
5/4/2007 15:00	11.7	13.6
5/4/2007 16:00	14.1	13.5
5/4/2007 17:00	14.2	11.3
5/4/2007 18:00	11.4	10.6
5/4/2007 19:00	11.4	12.0
5/4/2007 20:00	13.7	14.0
5/4/2007 21:00	12.5	13.1
5/4/2007 22:00	13.2	11.0
5/4/2007 23:00	15.1	12.0
5/5/2007 0:00	13.6	14.3

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
5/5/2007 1:00	21.6	17.0
5/5/2007 2:00	18.6	18.3
5/5/2007 3:00	15.6	14.3
5/5/2007 4:00	12.6	12.9
5/5/2007 5:00	12.4	14.2
5/5/2007 6:00	9.8	11.8
5/5/2007 7:00	8.3	12.3
5/5/2007 8:00	11.9	11.7
5/5/2007 9:00	13.9	12.0
5/5/2007 10:00	12.0	10.7
5/5/2007 11:00	11.1	8.9
5/5/2007 12:00	13.1	10.5
5/5/2007 13:00	16.7	13.5
5/5/2007 14:00	17.8	12.5
5/5/2007 15:00	14.9	6.6
5/5/2007 16:00	13.9	6.9
5/5/2007 17:00	14.0	10.5
5/5/2007 18:00	12.5	11.8
5/5/2007 19:00	12.3	9.1
5/5/2007 20:00	9.1	9.4
5/5/2007 21:00	9.7	11.8
5/5/2007 22:00	12.3	10.8
5/5/2007 23:00	12.4	10.7
5/6/2007 0:00	14.1	11.3
5/6/2007 1:00	13.6	14.3
5/6/2007 2:00	10.9	12.5
5/6/2007 3:00	9.1	12.1
5/6/2007 4:00	8.3	11.4
5/6/2007 5:00	11.5	6.4
5/6/2007 6:00	11.8	8.6
5/6/2007 7:00	9.2	9.4
5/6/2007 8:00	10.8	7.3
5/6/2007 9:00	11.6	5.7
5/6/2007 10:00	8.8	6.9
5/6/2007 11:00	5.9	10.1
5/6/2007 12:00	9.5	9.6
5/6/2007 13:00	8.9	8.1
5/6/2007 14:00	3.7	8.1
5/6/2007 15:00	4.9	8.1
5/6/2007 16:00	7.7	6.6
5/6/2007 17:00	7.3	5.5
5/6/2007 18:00	9.2	5.0
5/6/2007 19:00	9.7	5.8

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
5/6/2007 20:00	10.5	6.6
5/6/2007 21:00	11.4	7.7
5/6/2007 22:00	10.0	11.8
5/6/2007 23:00	9.1	11.9
5/7/2007 0:00	9.8	10.7
5/7/2007 1:00	10.6	11.4
5/7/2007 2:00	7.1	11.6
5/7/2007 3:00	6.6	12.4
5/7/2007 4:00	8.3	10.5
5/7/2007 5:00	8.3	9.8
5/7/2007 6:00	8.1	11.3
5/7/2007 7:00	9.7	12.0
5/7/2007 8:00	13.0	12.1
5/7/2007 9:00	15.6	11.2
5/7/2007 10:00	20.6	11.2
5/7/2007 11:00	15.5	11.0
5/7/2007 12:00	12.6	6.8
5/7/2007 13:00	9.1	5.4
5/7/2007 14:00	9.4	9.8
5/7/2007 15:00	8.7	11.4
5/7/2007 16:00	21.4	10.7
5/7/2007 17:00	21.5	9.2
5/7/2007 18:00	18.5	8.5
5/7/2007 19:00	17.1	9.5
5/7/2007 20:00	12.2	13.0
5/7/2007 21:00	9.2	17.4
5/7/2007 22:00	13.2	22.6
5/7/2007 23:00	23.5	25.1
5/8/2007 0:00	19.0	14.3
5/8/2007 1:00	21.3	14.8
5/8/2007 2:00	24.6	27.6
5/8/2007 3:00	23.5	28.1
5/8/2007 4:00	19.8	18.3
5/8/2007 5:00	19.2	15.3
5/8/2007 6:00	21.5	14.0
5/8/2007 7:00	24.4	16.1
5/8/2007 8:00	21.7	15.7
5/8/2007 9:00	22.2	13.1
5/8/2007 10:00	17.0	12.9
5/8/2007 11:00	17.4	14.7
5/8/2007 12:00	28.9	16.3
5/8/2007 13:00	25.8	22.2
5/8/2007 14:00	21.7	26.2

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
5/8/2007 15:00	23.9	27.4
5/8/2007 16:00	29.0	29.5
5/8/2007 17:00	23.5	23.1
5/8/2007 18:00	38.8	30.5
5/8/2007 19:00	39.2	44.3
5/8/2007 20:00	37.1	39.1
5/8/2007 21:00	28.8	30.0
5/8/2007 22:00	38.1	25.1
5/8/2007 23:00	32.9	33.1
5/9/2007 0:00	30.7	29.3
5/9/2007 1:00	31.2	29.6
5/9/2007 2:00	24.1	33.4
5/9/2007 3:00	35.1	28.7
5/9/2007 4:00	36.4	36.3
5/9/2007 5:00	36.1	40.7
5/9/2007 6:00	45.4	44.0
5/9/2007 7:00	44.7	39.8
5/9/2007 8:00	31.1	22.4
5/9/2007 9:00	27.8	26.2
5/9/2007 10:00	32.5	31.3
5/9/2007 11:00	42.0	38.5
5/9/2007 12:00	37.0	40.6
5/9/2007 13:00	27.8	36.3
5/9/2007 14:00	24.8	29.2
5/9/2007 15:00	30.9	38.3
5/9/2007 16:00	45.5	33.9
5/9/2007 17:00	35.3	34.7
5/9/2007 18:00	27.5	29.9
5/9/2007 19:00	35.9	26.9
5/9/2007 20:00	22.7	25.7
5/9/2007 21:00	35.6	30.8
5/9/2007 22:00	33.8	35.0
5/9/2007 23:00	30.6	39.3
5/10/2007 0:00	20.8	27.1
5/10/2007 1:00	18.6	23.7
5/10/2007 2:00	17.2	20.9
5/10/2007 3:00	12.9	15.1
5/10/2007 4:00	14.0	19.8
5/10/2007 5:00	24.8	20.7
5/10/2007 6:00	21.9	18.8
5/10/2007 7:00	21.7	18.7
5/10/2007 8:00	17.5	20.0
5/10/2007 9:00	26.2	21.6



## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
5/10/2007 10:00	28.9	24.6
5/10/2007 11:00	28.6	22.6
5/10/2007 12:00	28.4	18.4
5/10/2007 13:00	23.6	22.2
5/10/2007 14:00	19.6	33.2
5/10/2007 15:00	23.0	24.0
5/10/2007 16:00	20.6	24.8
5/10/2007 17:00	20.1	25.4
5/10/2007 18:00	21.6	28.7
5/10/2007 19:00	20.4	27.7
5/10/2007 20:00	26.7	23.5
5/10/2007 21:00	25.4	26.3
5/10/2007 22:00	27.0	34.6
5/10/2007 23:00	29.3	25.6
5/11/2007 0:00	24.9	31.2
5/11/2007 1:00	29.8	28.7
5/11/2007 2:00	34.4	31.0
5/11/2007 3:00	40.3	35.3
5/11/2007 4:00	32.6	35.0
5/11/2007 5:00	30.7	30.4
5/11/2007 6:00	36.3	33.2
5/11/2007 7:00	39.6	37.6
5/11/2007 8:00	47.0	37.8
5/11/2007 9:00	51.0	40.2
5/11/2007 10:00	29.2	32.1
5/11/2007 11:00	16.0	16.9
5/11/2007 12:00	14.7	20.3
5/11/2007 13:00	14.7	19.4
5/11/2007 14:00	17.3	21.0
5/11/2007 15:00	17.5	22.6
5/11/2007 16:00	17.9	21.6
5/11/2007 17:00	32.5	37.8
5/11/2007 18:00	31.8	32.4
5/11/2007 19:00	12.9	12.4
5/11/2007 20:00	12.2	11.5
5/11/2007 21:00	5.7	10.7
5/11/2007 22:00	4.9	10.4
5/11/2007 23:00	6.8	7.9
5/12/2007 0:00	6.8	8.2
5/12/2007 1:00	8.5	10.1
5/12/2007 2:00	7.7	9.0
5/12/2007 3:00	11.5	9.7
5/12/2007 4:00	14.4	6.8

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
5/12/2007 5:00	12.8	4.9
5/12/2007 6:00	11.2	8.8
5/12/2007 7:00	10.4	6.6
5/12/2007 8:00	7.2	4.4
5/12/2007 9:00	5.6	5.5
5/12/2007 10:00	6.6	6.7
5/12/2007 11:00	7.6	9.1
5/12/2007 12:00	9.4	10.1
5/12/2007 13:00	10.6	9.2
5/12/2007 14:00	8.4	6.5
5/12/2007 15:00	6.0	5.8
5/12/2007 16:00	10.3	7.5
5/12/2007 17:00	12.1	9.2
5/12/2007 18:00	10.0	9.9
5/12/2007 19:00	8.7	5.7
5/12/2007 20:00	7.5	4.0
5/12/2007 21:00	8.9	8.1
5/12/2007 22:00	8.5	13.5
5/12/2007 23:00	9.0	17.3
5/13/2007 0:00	7.5	14.5
5/13/2007 1:00	10.2	11.5
5/13/2007 2:00	16.7	9.9
5/13/2007 3:00	16.9	10.7
5/13/2007 4:00	14.1	14.3
5/13/2007 5:00	11.7	17.0
5/13/2007 6:00	12.5	17.6
5/13/2007 7:00	15.6	15.0
5/13/2007 8:00	14.7	15.4
5/13/2007 9:00	12.7	14.8
5/13/2007 10:00	10.6	10.6
5/13/2007 11:00	11.4	11.5
5/13/2007 12:00	10.6	10.0
5/13/2007 13:00	8.7	4.1
5/13/2007 14:00	9.3	4.0
5/13/2007 15:00	7.4	5.9
5/13/2007 16:00	10.5	4.9
5/13/2007 17:00	12.7	7.7
5/13/2007 18:00	10.1	9.2
5/13/2007 19:00	9.2	8.6
5/13/2007 20:00	7.2	8.6
5/13/2007 21:00	6.4	10.1
5/13/2007 22:00	7.8	15.3
5/13/2007 23:00	11.0	17.6

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
5/14/2007 0:00	15.4	17.0
5/14/2007 1:00	15.6	17.2
5/14/2007 2:00	15.8	16.5
5/14/2007 3:00	15.5	15.3
5/14/2007 4:00	15.2	14.6
5/14/2007 5:00	16.6	16.1
5/14/2007 6:00	17.6	18.7
5/14/2007 7:00	18.4	21.8
5/14/2007 8:00	21.0	25.2
5/14/2007 9:00	14.9	20.1
5/14/2007 10:00	14.1	17.7
5/14/2007 11:00	13.4	20.2
5/14/2007 12:00	15.9	11.7
5/14/2007 13:00	15.3	12.1
5/14/2007 14:00	12.0	8.5
5/14/2007 15:00	21.4	6.1
5/14/2007 16:00	19.6	33.8
5/14/2007 17:00	17.2	17.4
5/14/2007 18:00	17.3	17.0
5/14/2007 19:00	19.1	15.4
5/14/2007 20:00	22.3	16.6
5/14/2007 21:00	23.5	23.8
5/14/2007 22:00	18.4	23.5
5/14/2007 23:00	17.7	23.0
5/15/2007 0:00	21.0	20.7
5/15/2007 1:00	24.0	39.9
5/15/2007 2:00	21.1	14.9
5/15/2007 3:00	23.6	23.4
5/15/2007 4:00	24.8	19.3
5/15/2007 5:00	23.4	23.5
5/15/2007 6:00	21.7	24.1
5/15/2007 7:00	26.3	25.8
5/15/2007 8:00	26.1	16.1
5/15/2007 9:00	24.9	22.1
5/15/2007 10:00	29.6	19.9
5/15/2007 11:00	28.3	25.6
5/15/2007 12:00	16.5	31.3
5/15/2007 13:00	25.0	23.1
5/15/2007 14:00	25.2	32.6
5/15/2007 15:00	25.2	36.2
5/15/2007 16:00	24.3	24.9
5/15/2007 17:00	27.6	
5/15/2007 18:00	21.5	

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
5/15/2007 19:00	4.9	4.7
5/15/2007 20:00	25.2	20.0
5/15/2007 21:00	23.1	15.4
5/15/2007 22:00	20.7	17.2
5/15/2007 23:00	19.1	16.9
5/16/2007 0:00	17.9	16.2
5/16/2007 1:00	14.4	13.8
5/16/2007 2:00	12.6	12.9
5/16/2007 3:00	14.7	12.0
5/16/2007 4:00	14.5	12.0
5/16/2007 5:00	14.1	12.3
5/16/2007 6:00	14.7	10.7
5/16/2007 7:00	16.0	14.5
5/16/2007 8:00	14.4	16.8
5/16/2007 9:00	9.0	24.7
5/16/2007 10:00	6.1	14.1
5/16/2007 11:00	9.0	16.4
5/16/2007 12:00	11.6	18.2
5/16/2007 13:00	12.6	13.1
5/16/2007 14:00	16.2	9.3
5/16/2007 15:00	15.3	10.8
5/16/2007 16:00	13.6	12.0
5/16/2007 17:00	11.6	14.3
5/16/2007 18:00	9.1	13.4
5/16/2007 19:00	9.7	8.4
5/16/2007 20:00	12.3	9.0
5/16/2007 21:00	11.7	11.5
5/16/2007 22:00	12.7	22.6
5/16/2007 23:00	13.3	16.2
5/17/2007 0:00	10.9	14.4
5/17/2007 1:00	12.9	14.3
5/17/2007 2:00	12.8	14.0
5/17/2007 3:00	14.8	14.5
5/17/2007 4:00	12.6	14.3
5/17/2007 5:00	10.4	14.3
5/17/2007 6:00	10.1	13.6
5/17/2007 7:00	6.3	10.7
5/17/2007 8:00	9.0	10.9
5/17/2007 9:00	11.4	12.0
5/17/2007 10:00	9.6	9.2
5/17/2007 11:00	7.5	8.4
5/17/2007 12:00	8.5	13.8
5/17/2007 13:00	9.8	12.8

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
5/17/2007 14:00	10.6	12.3
5/17/2007 15:00	13.2	12.9
5/17/2007 16:00	12.3	11.1
5/17/2007 17:00	9.6	12.1
5/17/2007 18:00	13.9	14.4
5/17/2007 19:00	16.0	20.9
5/17/2007 20:00	24.0	18.7
5/17/2007 21:00	11.6	16.7
5/17/2007 22:00	24.0	22.0
5/17/2007 23:00	24.6	27.7
5/18/2007 0:00	31.0	28.1
5/18/2007 1:00	30.8	29.0
5/18/2007 2:00	33.4	27.2
5/18/2007 3:00	30.0	30.0
5/18/2007 4:00	28.9	22.3
5/18/2007 5:00	30.7	27.9
5/18/2007 6:00	31.9	26.1
5/18/2007 7:00	31.0	28.5
5/18/2007 8:00	22.5	18.6
5/18/2007 9:00	17.7	15.9
5/18/2007 10:00	15.8	12.9
5/18/2007 11:00	14.8	14.0
5/18/2007 12:00	14.0	15.5
5/18/2007 13:00	11.7	11.1
5/18/2007 14:00	6.7	6.4
5/18/2007 15:00	6.8	6.6
5/18/2007 16:00	12.4	8.0
5/18/2007 17:00	11.9	8.6
5/18/2007 18:00	12.9	9.9
5/18/2007 19:00	14.6	10.9
5/18/2007 20:00	13.9	10.2
5/18/2007 21:00	15.6	12.7
5/18/2007 22:00	15.4	25.1
5/18/2007 23:00	14.7	33.7
5/19/2007 0:00	17.8	29.2
5/19/2007 1:00	19.6	21.0
5/19/2007 2:00	19.1	23.1
5/19/2007 3:00	24.3	17.7
5/19/2007 4:00	23.9	17.6
5/19/2007 5:00	22.3	17.5
5/19/2007 6:00	20.2	16.6
5/19/2007 7:00	22.9	17.2
5/19/2007 8:00	21.5	16.5

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
5/19/2007 9:00	21.4	14.2
5/19/2007 10:00	17.9	13.6
5/19/2007 11:00	18.2	15.8
5/19/2007 12:00	18.6	22.2
5/19/2007 13:00	17.5	11.4
5/19/2007 14:00	15.7	11.6
5/19/2007 15:00	21.3	12.4
5/19/2007 16:00	17.9	16.0
5/19/2007 17:00	22.6	17.3
5/19/2007 18:00	25.9	16.1
5/19/2007 19:00	19.3	18.1
5/19/2007 20:00	24.1	16.6
5/19/2007 21:00	20.8	15.3
5/19/2007 22:00	22.9	19.9
5/19/2007 23:00	34.2	21.2
5/20/2007 0:00	32.5	34.4
5/20/2007 1:00	34.6	28.4
5/20/2007 2:00	33.3	28.9
5/20/2007 3:00	35.9	34.3
5/20/2007 4:00	39.7	34.3
5/20/2007 5:00	33.4	28.8
5/20/2007 6:00	36.2	31.0
5/20/2007 7:00	23.9	37.2
5/20/2007 8:00	25.9	25.9
5/20/2007 9:00	23.7	18.9
5/20/2007 10:00	19.8	20.4
5/20/2007 11:00	19.1	15.8
5/20/2007 12:00	21.3	20.1
5/20/2007 13:00	24.2	19.6
5/20/2007 14:00	18.7	18.2
5/20/2007 15:00	17.6	14.7
5/20/2007 16:00	15.8	12.4
5/20/2007 17:00	15.6	12.7
5/20/2007 18:00	14.9	9.2
5/20/2007 19:00	10.8	7.9
5/20/2007 20:00	20.1	11.6
5/20/2007 21:00	8.1	13.3
5/20/2007 22:00	10.3	15.3
5/20/2007 23:00	12.5	16.4
5/21/2007 0:00	11.0	15.5
5/21/2007 1:00	10.4	15.0
5/21/2007 2:00	10.0	15.0
5/21/2007 3:00	8.7	12.2

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
5/21/2007 4:00	10.2	11.7
5/21/2007 5:00	15.0	16.0
5/21/2007 6:00	18.1	26.3
5/21/2007 7:00	16.9	16.9
5/21/2007 8:00	17.0	16.3
5/21/2007 9:00	16.0	10.1
5/21/2007 10:00	15.6	5.2
5/21/2007 11:00	15.6	11.0
5/21/2007 12:00	14.9	14.6
5/21/2007 13:00	16.9	14.0
5/21/2007 14:00	18.4	16.7
5/21/2007 15:00	19.0	15.8
5/21/2007 16:00	18.7	13.3
5/21/2007 17:00	16.5	15.3
5/21/2007 18:00	14.7	14.2
5/21/2007 19:00	13.3	11.0
5/21/2007 20:00	12.7	9.0
5/21/2007 21:00	14.3	12.1
5/21/2007 22:00	15.4	17.6
5/21/2007 23:00	15.1	15.1
5/22/2007 0:00	14.7	14.8
5/22/2007 1:00	15.2	17.7
5/22/2007 2:00	11.4	17.3
5/22/2007 3:00	10.2	15.5
5/22/2007 4:00	11.4	14.1
5/22/2007 5:00	12.6	13.6
5/22/2007 6:00	16.3	13.9
5/22/2007 7:00	15.6	16.3
5/22/2007 8:00	13.7	17.5
5/22/2007 9:00	22.1	16.4
5/22/2007 10:00	23.5	23.3
5/22/2007 11:00	23.3	15.8
5/22/2007 12:00	29.7	29.5
5/22/2007 13:00	38.4	34.6
5/22/2007 14:00	34.3	35.4
5/22/2007 15:00	61.8	61.3
5/22/2007 16:00	38.7	26.9
5/22/2007 17:00	33.5	30.7
5/22/2007 18:00	36.9	30.7
5/22/2007 19:00	27.4	22.8
5/22/2007 20:00	31.9	22.5
5/22/2007 21:00	21.3	67.5
5/22/2007 22:00	22.3	24.3

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
5/22/2007 23:00	22.8	25.4
5/23/2007 0:00	21.6	27.3
5/23/2007 1:00	21.7	26.4
5/23/2007 2:00	25.9	25.9
5/23/2007 3:00	20.6	25.5
5/23/2007 4:00	26.5	30.4
5/23/2007 5:00	30.1	34.5
5/23/2007 6:00	32.8	34.5
5/23/2007 7:00	42.1	43.2
5/23/2007 8:00	41.9	38.7
5/23/2007 9:00	32.1	32.2
5/23/2007 10:00	35.3	31.4
5/23/2007 11:00	34.9	35.0
5/23/2007 12:00	42.2	33.0
5/23/2007 13:00	35.0	32.9
5/23/2007 14:00	31.5	38.1
5/23/2007 15:00	35.3	32.6
5/23/2007 16:00	41.7	4.7
5/23/2007 17:00	38.9	4.7
5/23/2007 18:00	35.4	31.0
5/23/2007 19:00	40.1	32.3
5/23/2007 20:00	31.6	33.9
5/23/2007 21:00	28.9	34.7
5/23/2007 22:00	32.4	34.6
5/23/2007 23:00	36.7	32.9
5/24/2007 0:00	34.4	32.4
5/24/2007 1:00	37.7	37.9
5/24/2007 2:00	40.5	36.6
5/24/2007 3:00	41.8	36.6
5/24/2007 4:00	43.4	44.7
5/24/2007 5:00	46.4	49.0
5/24/2007 6:00	53.9	48.7
5/24/2007 7:00	59.3	43.0
5/24/2007 8:00	57.3	50.3
5/24/2007 9:00	58.8	48.4
5/24/2007 10:00	57.8	58.6
5/24/2007 11:00	57.5	4.7
5/24/2007 12:00	46.1	36.7
5/24/2007 13:00	39.9	41.8
5/24/2007 14:00	32.7	28.7
5/24/2007 15:00	40.9	37.7
5/24/2007 16:00	45.5	40.2
5/24/2007 17:00	46.3	35.7



## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
5/24/2007 18:00	40.4	36.9
5/24/2007 19:00	40.9	37.8
5/24/2007 20:00	41.7	39.3
5/24/2007 21:00	42.8	47.0
5/24/2007 22:00	38.1	41.1
5/24/2007 23:00	37.3	40.5
5/25/2007 0:00	43.3	38.0
5/25/2007 1:00	39.1	39.7
5/25/2007 2:00	39.8	36.6
5/25/2007 3:00	37.9	38.4
5/25/2007 4:00	41.3	38.3
5/25/2007 5:00	43.5	41.3
5/25/2007 6:00	43.4	38.6
5/25/2007 7:00	48.0	42.7
5/25/2007 8:00	44.6	46.6
5/25/2007 9:00	45.5	45.8
5/25/2007 10:00	36.7	38.8
5/25/2007 11:00	34.2	33.9
5/25/2007 12:00	21.2	22.7
5/25/2007 13:00	17.8	17.8
5/25/2007 14:00	21.8	18.5
5/25/2007 15:00	19.1	18.5
5/25/2007 16:00	18.0	22.4
5/25/2007 17:00	15.3	12.5
5/25/2007 18:00	13.3	14.9
5/25/2007 19:00	13.8	16.3
5/25/2007 20:00	14.1	14.5
5/25/2007 21:00	14.0	11.8
5/25/2007 22:00	20.6	14.0
5/25/2007 23:00	20.0	13.7
5/26/2007 0:00	17.6	12.7
5/26/2007 1:00	20.9	16.6
5/26/2007 2:00	22.5	26.6
5/26/2007 3:00	22.2	22.5
5/26/2007 4:00	17.3	21.7
5/26/2007 5:00	26.4	29.6
5/26/2007 6:00	25.0	29.6
5/26/2007 7:00	20.7	19.8
5/26/2007 8:00	11.6	19.2
5/26/2007 9:00	20.9	20.0
5/26/2007 10:00	9.9	15.9
5/26/2007 11:00	13.9	15.2
5/26/2007 12:00	18.5	23.1

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
5/26/2007 13:00	18.6	15.9
5/26/2007 14:00	14.5	17.2
5/26/2007 15:00	11.8	15.9
5/26/2007 16:00	13.9	13.1
5/26/2007 17:00	15.0	13.9
5/26/2007 18:00	20.5	15.1
5/26/2007 19:00	15.1	13.6
5/26/2007 20:00	15.8	14.3
5/26/2007 21:00	16.8	21.5
5/26/2007 22:00	16.4	17.4
5/26/2007 23:00	16.3	16.6
5/27/2007 0:00	20.4	15.5
5/27/2007 1:00	22.1	26.1
5/27/2007 2:00	30.0	30.5
5/27/2007 3:00	21.8	27.8
5/27/2007 4:00	26.5	22.2
5/27/2007 5:00	28.9	31.4
5/27/2007 6:00	35.1	34.3
5/27/2007 7:00	41.5	36.5
5/27/2007 8:00	23.5	27.4
5/27/2007 9:00	14.6	13.8
5/27/2007 10:00	16.9	20.8
5/27/2007 11:00	18.1	18.3
5/27/2007 12:00	21.2	16.9
5/27/2007 13:00	25.2	22.8
5/27/2007 14:00	20.8	20.0
5/27/2007 15:00	14.1	22.0
5/27/2007 16:00	15.1	16.0
5/27/2007 17:00	17.3	22.0
5/27/2007 18:00	17.5	16.2
5/27/2007 19:00	17.5	15.9
5/27/2007 20:00	20.2	13.8
5/27/2007 21:00	11.8	22.0
5/27/2007 22:00	13.5	21.5
5/27/2007 23:00	15.5	15.4
5/28/2007 0:00	20.2	20.0
5/28/2007 1:00	17.4	18.0
5/28/2007 2:00	23.5	27.8
5/28/2007 3:00	19.4	23.3
5/28/2007 4:00	24.0	23.6
5/28/2007 5:00	20.3	26.5
5/28/2007 6:00	23.2	21.8
5/28/2007 7:00	25.1	18.1

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
5/28/2007 8:00	23.5	12.7
5/28/2007 9:00	24.0	11.4
5/28/2007 10:00	16.4	17.3
5/28/2007 11:00	17.5	18.1
5/28/2007 12:00	17.7	15.6
5/28/2007 13:00	22.0	15.9
5/28/2007 14:00	15.7	16.0
5/28/2007 15:00	13.6	13.8
5/28/2007 16:00	12.9	11.2
5/28/2007 17:00	14.8	9.9
5/28/2007 18:00	14.5	10.7
5/28/2007 19:00	15.4	14.6
5/28/2007 20:00	15.6	23.2
5/28/2007 21:00	16.6	16.9
5/28/2007 22:00	15.0	26.5
5/28/2007 23:00	22.9	22.1
5/29/2007 0:00	20.3	27.0
5/29/2007 1:00	24.6	30.8
5/29/2007 2:00	27.8	26.5
5/29/2007 3:00	20.0	24.7
5/29/2007 4:00	27.1	30.9
5/29/2007 5:00	20.6	23.5
5/29/2007 6:00	22.2	20.3
5/29/2007 7:00	23.7	25.4
5/29/2007 8:00	27.5	25.0
5/29/2007 9:00	15.9	14.5
5/29/2007 10:00	16.0	15.6
5/29/2007 11:00	14.2	12.9
5/29/2007 12:00	16.0	12.6
5/29/2007 13:00	24.5	20.0
5/29/2007 14:00	19.5	12.3
5/29/2007 15:00	22.3	20.6
5/29/2007 16:00	20.3	28.5
5/29/2007 17:00	12.5	20.2
5/29/2007 18:00	14.7	20.5
5/29/2007 19:00	16.8	16.6
5/29/2007 20:00	24.7	26.9
5/29/2007 21:00	21.4	17.9
5/29/2007 22:00	11.6	20.7
5/29/2007 23:00	10.1	18.1
5/30/2007 0:00	9.8	16.3
5/30/2007 1:00	13.2	13.5
5/30/2007 2:00	13.7	13.8

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
5/30/2007 3:00	13.4	16.8
5/30/2007 4:00	15.4	15.6
5/30/2007 5:00	13.5	14.1
5/30/2007 6:00	14.2	15.9
5/30/2007 7:00	17.4	15.9
5/30/2007 8:00	18.2	20.0
5/30/2007 9:00	30.0	28.5
5/30/2007 10:00	39.0	36.1
5/30/2007 11:00	56.3	51.8
5/30/2007 12:00	48.8	54.8
5/30/2007 13:00	43.4	54.0
5/30/2007 14:00	47.4	55.9
5/30/2007 15:00	62.3	60.1
5/30/2007 16:00	60.9	64.8
5/30/2007 17:00	73.3	67.5
5/30/2007 18:00	64.1	58.2
5/30/2007 19:00	59.9	57.6
5/30/2007 20:00	48.4	49.3
5/30/2007 21:00	50.2	47.5
5/30/2007 22:00	39.2	47.9
5/30/2007 23:00	53.9	49.3
5/31/2007 0:00	48.4	47.5
5/31/2007 1:00	52.8	44.7
5/31/2007 2:00	50.2	40.8
5/31/2007 3:00	54.3	41.7
5/31/2007 4:00	47.8	51.1
5/31/2007 5:00	47.8	51.2
5/31/2007 6:00	47.9	48.1
5/31/2007 7:00	53.7	46.2
5/31/2007 8:00	52.3	49.4
5/31/2007 9:00	47.4	44.6
5/31/2007 10:00	44.7	39.1
5/31/2007 11:00	42.4	42.8
5/31/2007 12:00	31.8	38.8
5/31/2007 13:00	41.5	38.3
5/31/2007 14:00	36.1	41.9
5/31/2007 15:00	31.9	38.9
5/31/2007 16:00	37.2	41.0
5/31/2007 17:00	44.4	43.6
5/31/2007 18:00	33.9	38.0
5/31/2007 19:00	35.4	33.7
5/31/2007 20:00	31.9	36.9
5/31/2007 21:00	37.1	36.9

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
5/31/2007 22:00	34.2	39.2
5/31/2007 23:00	37.9	37.6
6/1/2007 0:00	39.0	39.2
6/1/2007 1:00	40.4	31.5
6/1/2007 2:00	33.4	35.4
6/1/2007 3:00	34.8	40.3
6/1/2007 4:00	36.5	33.3
6/1/2007 5:00	41.1	36.6
6/1/2007 6:00	39.3	38.0
6/1/2007 7:00	37.6	41.0
6/1/2007 8:00	46.4	33.9
6/1/2007 9:00	43.4	47.0
6/1/2007 10:00	43.8	40.8
6/1/2007 11:00	51.2	52.7
6/1/2007 12:00	44.1	54.8
6/1/2007 13:00	48.1	52.0
6/1/2007 14:00	43.2	38.7
6/1/2007 15:00	42.8	34.8
6/1/2007 16:00	45.6	49.3
6/1/2007 17:00	46.1	43.5
6/1/2007 18:00	43.2	46.1
6/1/2007 19:00	40.7	46.0
6/1/2007 20:00	39.3	44.6
6/1/2007 21:00	35.7	34.7
6/1/2007 22:00	35.7	37.7
6/1/2007 23:00	38.4	40.6
6/2/2007 0:00	34.6	46.3
6/2/2007 1:00	38.2	38.4
6/2/2007 2:00	42.1	35.3
6/2/2007 3:00	38.4	34.5
6/2/2007 4:00	42.0	40.4
6/2/2007 5:00	29.0	43.1
6/2/2007 6:00	46.8	42.2
6/2/2007 7:00	39.4	45.6
6/2/2007 8:00	31.7	35.8
6/2/2007 9:00	42.9	39.7
6/2/2007 10:00	32.7	36.7
6/2/2007 11:00	32.7	39.3
6/2/2007 12:00	32.5	33.5
6/2/2007 13:00	31.4	36.2
6/2/2007 14:00	28.1	44.8
6/2/2007 15:00	36.0	30.4
6/2/2007 16:00	28.9	35.3

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
6/2/2007 17:00	34.0	34.1
6/2/2007 18:00	30.9	31.1
6/2/2007 19:00	18.7	20.5
6/2/2007 20:00	20.7	22.8
6/2/2007 21:00	21.5	20.5
6/2/2007 22:00	20.0	20.5
6/2/2007 23:00	26.9	23.6
6/3/2007 0:00	18.4	29.2
6/3/2007 1:00	29.7	30.9
6/3/2007 2:00	31.9	26.5
6/3/2007 3:00	26.8	31.3
6/3/2007 4:00	25.2	35.2
6/3/2007 5:00	20.8	21.3
6/3/2007 6:00	18.9	22.4
6/3/2007 7:00	22.3	34.1
6/3/2007 8:00	28.4	28.0
6/3/2007 9:00	35.9	35.5
6/3/2007 10:00	33.0	33.2
6/3/2007 11:00	28.8	33.0
6/3/2007 12:00	26.8	29.0
6/3/2007 13:00	38.1	38.3
6/3/2007 14:00	15.6	9.9
6/3/2007 15:00	13.7	12.5
6/3/2007 16:00	14.8	17.4
6/3/2007 17:00	16.0	25.8
6/3/2007 18:00	15.1	21.0
6/3/2007 19:00	14.8	20.2
6/3/2007 20:00	15.3	17.4
6/3/2007 21:00	24.0	26.9
6/3/2007 22:00	24.4	24.3
6/3/2007 23:00	21.0	26.3
6/4/2007 0:00	20.5	22.8
6/4/2007 1:00	17.9	18.4
6/4/2007 2:00	25.0	26.0
6/4/2007 3:00	21.7	26.3
6/4/2007 4:00	24.4	26.3
6/4/2007 5:00	19.8	21.4
6/4/2007 6:00	22.9	20.0
6/4/2007 7:00	20.8	18.2
6/4/2007 8:00	31.7	32.6
6/4/2007 9:00	34.0	37.1
6/4/2007 10:00	31.9	30.4
6/4/2007 11:00	19.8	26.6

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
6/4/2007 12:00	19.0	23.7
6/4/2007 13:00	17.8	24.1
6/4/2007 14:00	14.9	15.7
6/4/2007 15:00	13.7	17.5
6/4/2007 16:00	15.0	18.6
6/4/2007 17:00	14.2	15.3
6/4/2007 18:00	21.1	10.1
6/4/2007 19:00	14.2	9.6
6/4/2007 20:00	15.4	14.7
6/4/2007 21:00	17.0	15.1
6/4/2007 22:00	17.1	14.5
6/4/2007 23:00	16.7	17.6
6/5/2007 0:00	22.6	18.5
6/5/2007 1:00	12.3	15.5
6/5/2007 2:00	20.2	19.6
6/5/2007 3:00	8.5	11.1
6/5/2007 4:00	9.1	9.8
6/5/2007 5:00	6.8	9.5
6/5/2007 6:00	5.5	8.6
6/5/2007 7:00	10.0	9.3
6/5/2007 8:00	12.3	9.2
6/5/2007 9:00	9.5	8.8
6/5/2007 10:00	7.9	9.0
6/5/2007 11:00	8.5	8.7
6/5/2007 12:00	9.5	11.4
6/5/2007 13:00	9.1	9.7
6/5/2007 14:00	8.7	8.7
6/5/2007 15:00	11.2	13.8
6/5/2007 16:00	15.0	17.0
6/5/2007 17:00	16.7	14.6
6/5/2007 18:00	15.0	10.7
6/5/2007 19:00	14.3	10.7
6/5/2007 20:00	13.6	11.4
6/5/2007 21:00	14.0	14.1
6/5/2007 22:00	13.7	18.7
6/5/2007 23:00	14.7	20.1
6/6/2007 0:00	15.2	18.4
6/6/2007 1:00	11.9	23.4
6/6/2007 2:00	9.8	5.5
6/6/2007 3:00	12.0	7.9
6/6/2007 4:00	13.5	12.6
6/6/2007 5:00	14.1	17.0
6/6/2007 6:00	18.0	24.6

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
6/6/2007 7:00	18.2	22.3
6/6/2007 8:00	25.9	16.8
6/6/2007 9:00	16.2	13.1
6/6/2007 10:00	16.4	6.6
6/6/2007 11:00	15.6	7.3
6/6/2007 12:00	14.6	10.4
6/6/2007 13:00	11.4	8.2
6/6/2007 14:00	13.0	7.4
6/6/2007 15:00	14.9	13.0
6/6/2007 16:00	12.5	12.6
6/6/2007 17:00	12.8	5.3
6/6/2007 18:00	20.1	7.2
6/6/2007 19:00	17.1	13.4
6/6/2007 20:00	15.6	14.2
6/6/2007 21:00	13.6	10.0
6/6/2007 22:00	12.7	8.6
6/6/2007 23:00	14.6	10.7
6/7/2007 0:00	15.6	20.3
6/7/2007 1:00	13.6	17.3
6/7/2007 2:00	15.1	22.5
6/7/2007 3:00	14.8	15.5
6/7/2007 4:00	11.0	20.3
6/7/2007 5:00	22.0	20.3
6/7/2007 6:00	26.5	28.7
6/7/2007 7:00	35.1	25.4
6/7/2007 8:00	24.6	27.5
6/7/2007 9:00	23.7	26.6
6/7/2007 10:00	23.1	18.4
6/7/2007 11:00	25.4	18.2
6/7/2007 12:00	22.0	23.9
6/7/2007 13:00	23.1	22.8
6/7/2007 14:00	21.6	22.2
6/7/2007 15:00	23.3	27.1
6/7/2007 16:00	25.9	22.0
6/7/2007 17:00	20.8	21.5
6/7/2007 18:00	24.9	24.6
6/7/2007 19:00	25.0	26.6
6/7/2007 20:00	22.3	25.2
6/7/2007 21:00	29.4	26.4
6/7/2007 22:00	35.0	36.1
6/7/2007 23:00	33.8	29.9
6/8/2007 0:00	23.6	30.9
6/8/2007 1:00	25.1	26.0



## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
6/8/2007 2:00	23.4	29.8
6/8/2007 3:00	25.2	23.8
6/8/2007 4:00	22.9	20.2
6/8/2007 5:00	17.8	20.3
6/8/2007 6:00	23.3	19.2
6/8/2007 7:00	18.7	21.4
6/8/2007 8:00	24.1	21.3
6/8/2007 9:00	22.9	18.1
6/8/2007 10:00	27.3	27.2
6/8/2007 11:00	31.5	22.4
6/8/2007 12:00	24.5	28.0
6/8/2007 13:00	37.7	38.3
6/8/2007 14:00	30.2	32.3
6/8/2007 15:00	25.8	25.8
6/8/2007 16:00	24.7	26.7
6/8/2007 17:00	25.1	23.1
6/8/2007 18:00	21.7	20.7
6/8/2007 19:00	19.5	19.1
6/8/2007 20:00	15.8	18.4
6/8/2007 21:00	10.6	17.2
6/8/2007 22:00	12.5	16.5
6/8/2007 23:00	13.9	15.1
6/9/2007 0:00	13.7	13.4
6/9/2007 1:00	14.6	13.1
6/9/2007 2:00	15.0	15.5
6/9/2007 3:00	15.8	21.4
6/9/2007 4:00	15.8	18.5
6/9/2007 5:00	18.0	20.1
6/9/2007 6:00	18.7	18.3
6/9/2007 7:00	15.2	15.3
6/9/2007 8:00	13.5	13.7
6/9/2007 9:00	14.3	11.2
6/9/2007 10:00	14.8	7.7
6/9/2007 11:00	11.7	7.9
6/9/2007 12:00	8.5	9.6
6/9/2007 13:00	11.2	11.2
6/9/2007 14:00	14.3	9.1
6/9/2007 15:00	28.1	10.6
6/9/2007 16:00	26.5	14.3
6/9/2007 17:00	13.5	15.3
6/9/2007 18:00	16.3	10.3
6/9/2007 19:00	16.0	11.7
6/9/2007 20:00	16.2	16.6

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
6/9/2007 21:00	19.5	15.3
6/9/2007 22:00	18.9	16.7
6/9/2007 23:00	25.3	24.7
6/10/2007 0:00	24.8	24.8
6/10/2007 1:00	22.7	32.9
6/10/2007 2:00	27.6	20.0
6/10/2007 3:00	25.3	27.0
6/10/2007 4:00	28.4	21.3
6/10/2007 5:00	30.1	28.5
6/10/2007 6:00	28.9	27.2
6/10/2007 7:00	30.9	33.7
6/10/2007 8:00	26.5	32.1
6/10/2007 9:00	32.0	30.5
6/10/2007 10:00	26.1	30.6
6/10/2007 11:00	12.6	18.1
6/10/2007 12:00	14.8	17.4
6/10/2007 13:00	28.5	17.0
6/10/2007 14:00	20.6	21.3
6/10/2007 15:00	23.9	18.2
6/10/2007 16:00	31.1	21.1
6/10/2007 17:00	22.9	18.6
6/10/2007 18:00	24.4	25.9
6/10/2007 19:00	15.8	16.1
6/10/2007 20:00	16.2	21.4
6/10/2007 21:00	15.5	12.5
6/10/2007 22:00	21.8	12.5
6/10/2007 23:00	22.9	11.0
6/11/2007 0:00	22.4	11.2
6/11/2007 1:00	22.7	21.1
6/11/2007 2:00	23.3	23.2
6/11/2007 3:00	17.0	18.4
6/11/2007 4:00	21.5	18.7
6/11/2007 5:00	26.3	19.0
6/11/2007 6:00	22.3	26.9
6/11/2007 7:00	24.8	21.7
6/11/2007 8:00	26.3	19.4
6/11/2007 9:00	33.0	28.7
6/11/2007 10:00	46.6	42.2
6/11/2007 11:00	26.4	25.0
6/11/2007 12:00	30.9	28.8
6/11/2007 13:00	35.6	25.3
6/11/2007 14:00	24.4	30.7
6/11/2007 15:00	35.9	36.6

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
6/11/2007 16:00	34.4	35.7
6/11/2007 17:00	41.6	35.4
6/11/2007 18:00	36.1	39.7
6/11/2007 19:00	24.6	19.1
6/11/2007 20:00	20.4	13.9
6/11/2007 21:00	14.1	13.9
6/11/2007 22:00	24.6	31.9
6/11/2007 23:00	26.0	33.2
6/12/2007 0:00	30.3	38.0
6/12/2007 1:00	24.2	27.9
6/12/2007 2:00	25.9	17.0
6/12/2007 3:00	22.8	18.3
6/12/2007 4:00	21.4	18.1
6/12/2007 5:00	21.2	23.4
6/12/2007 6:00	21.5	19.6
6/12/2007 7:00	22.5	23.7
6/12/2007 8:00	24.8	28.9
6/12/2007 9:00	20.8	25.1
6/12/2007 10:00	27.3	22.4
6/12/2007 11:00	20.5	27.1
6/12/2007 12:00	32.1	28.1
6/12/2007 13:00	26.9	25.5
6/12/2007 14:00	15.7	20.9
6/12/2007 15:00	22.7	25.2
6/12/2007 16:00	18.2	15.1
6/12/2007 17:00	18.1	16.4
6/12/2007 18:00	17.3	23.5
6/12/2007 19:00	16.8	19.4
6/12/2007 20:00	18.1	21.1
6/12/2007 21:00	18.3	22.9
6/12/2007 22:00	14.8	18.8
6/12/2007 23:00	22.8	22.3
6/13/2007 0:00	21.9	20.2
6/13/2007 1:00	22.7	19.8
6/13/2007 2:00	25.6	19.0
6/13/2007 3:00	23.0	18.7
6/13/2007 4:00	27.3	18.9
6/13/2007 5:00	27.8	21.0
6/13/2007 6:00	18.6	26.5
6/13/2007 7:00	23.2	26.2
6/13/2007 8:00	16.6	21.7
6/13/2007 9:00	20.8	24.4
6/13/2007 10:00	31.8	22.2

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
6/13/2007 11:00	33.0	28.0
6/13/2007 12:00	27.5	25.7
6/13/2007 13:00	17.6	27.2
6/13/2007 14:00	26.2	24.9
6/13/2007 15:00	18.0	24.6
6/13/2007 16:00	22.0	21.4
6/13/2007 17:00	12.5	21.4
6/13/2007 18:00	15.2	22.5
6/13/2007 19:00	17.8	31.7
6/13/2007 20:00	22.9	23.7
6/13/2007 21:00	17.3	27.8
6/13/2007 22:00	17.4	25.4
6/13/2007 23:00	16.4	18.3
6/14/2007 0:00	17.4	21.3
6/14/2007 1:00	25.5	27.0
6/14/2007 2:00	29.8	26.6
6/14/2007 3:00	32.1	23.9
6/14/2007 4:00	30.1	28.4
6/14/2007 5:00	30.3	27.6
6/14/2007 6:00	32.3	35.6
6/14/2007 7:00	34.3	36.7
6/14/2007 8:00	27.3	25.0
6/14/2007 9:00	28.3	20.3
6/14/2007 10:00	19.1	25.8
6/14/2007 11:00	17.3	21.6
6/14/2007 12:00	16.4	14.8
6/14/2007 13:00	18.1	15.6
6/14/2007 14:00	17.8	23.8
6/14/2007 15:00	17.9	22.1
6/14/2007 16:00	16.8	20.4
6/14/2007 17:00	14.5	20.3
6/14/2007 18:00	25.2	16.1
6/14/2007 19:00	18.3	17.3
6/14/2007 20:00	20.4	23.6
6/14/2007 21:00	18.5	21.9
6/14/2007 22:00	18.9	19.5
6/14/2007 23:00	15.0	19.0
6/15/2007 0:00	14.3	27.9
6/15/2007 1:00	20.4	17.5
6/15/2007 2:00	22.3	25.5
6/15/2007 3:00	24.2	15.9
6/15/2007 4:00	21.7	17.0
6/15/2007 5:00	21.0	20.2

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
6/15/2007 6:00	21.9	18.9
6/15/2007 7:00	20.1	16.8
6/15/2007 8:00	17.9	16.2
6/15/2007 9:00	17.8	16.5
6/15/2007 10:00	18.5	14.1
6/15/2007 11:00	20.8	15.1
6/15/2007 12:00	13.3	17.4
6/15/2007 13:00	14.3	17.4
6/15/2007 14:00	17.4	14.6
6/15/2007 15:00	17.5	43.6
6/15/2007 16:00	16.3	20.6
6/15/2007 17:00	21.6	29.5
6/15/2007 18:00	26.4	27.0
6/15/2007 19:00	26.5	13.7
6/15/2007 20:00	14.3	16.6
6/15/2007 21:00	13.6	18.4
6/15/2007 22:00	11.9	18.2
6/15/2007 23:00	37.5	21.0
6/16/2007 0:00	30.9	25.6
6/16/2007 1:00	27.7	31.1
6/16/2007 2:00	29.8	29.8
6/16/2007 3:00	30.9	30.6
6/16/2007 4:00	27.1	23.1
6/16/2007 5:00	25.0	27.5
6/16/2007 6:00	21.2	23.9
6/16/2007 7:00	20.3	26.3
6/16/2007 8:00	26.9	24.8
6/16/2007 9:00	23.5	22.9
6/16/2007 10:00	23.3	23.3
6/16/2007 11:00	26.9	38.0
6/16/2007 12:00	27.0	25.9
6/16/2007 13:00	17.1	25.0
6/16/2007 14:00	17.5	21.6
6/16/2007 15:00	25.4	21.4
6/16/2007 16:00	25.9	30.4
6/16/2007 17:00	24.7	31.9
6/16/2007 18:00	31.0	28.7
6/16/2007 19:00	40.2	42.9
6/16/2007 20:00	27.8	35.5
6/16/2007 21:00	34.9	25.0
6/16/2007 22:00	21.8	35.2
6/16/2007 23:00	36.7	39.5
6/17/2007 0:00	32.1	35.2

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
6/17/2007 1:00	33.8	34.7
6/17/2007 2:00	28.8	34.3
6/17/2007 3:00	38.2	28.9
6/17/2007 4:00	37.6	36.2
6/17/2007 5:00	36.6	42.6
6/17/2007 6:00	40.3	37.5
6/17/2007 7:00	41.2	47.7
6/17/2007 8:00	43.0	50.1
6/17/2007 9:00	27.1	44.0
6/17/2007 10:00	38.8	39.0
6/17/2007 11:00	30.0	29.6
6/17/2007 12:00	26.0	34.5
6/17/2007 13:00	27.5	32.5
6/17/2007 14:00	13.7	28.0
6/17/2007 15:00	21.0	18.8
6/17/2007 16:00	27.6	24.3
6/17/2007 17:00	26.6	33.9
6/17/2007 18:00	31.4	38.5
6/17/2007 19:00	37.1	35.6
6/17/2007 20:00	33.7	32.4
6/17/2007 21:00	36.3	28.3
6/17/2007 22:00	16.5	17.9
6/17/2007 23:00	17.9	17.6
6/18/2007 0:00	14.8	16.8
6/18/2007 1:00	10.1	15.3
6/18/2007 2:00	13.3	16.9
6/18/2007 3:00	15.8	21.2
6/18/2007 4:00	36.5	21.7
6/18/2007 5:00	28.9	31.3
6/18/2007 6:00	26.1	24.6
6/18/2007 7:00	28.6	23.1
6/18/2007 8:00	26.9	28.2
6/18/2007 9:00	33.4	42.1
6/18/2007 10:00	34.6	36.7
6/18/2007 11:00	34.2	35.6
6/18/2007 12:00	42.0	42.5
6/18/2007 13:00	34.8	46.4
6/18/2007 14:00	39.0	46.2
6/18/2007 15:00	43.8	49.3
6/18/2007 16:00	37.6	41.4
6/18/2007 17:00	37.5	41.8
6/18/2007 18:00	38.5	35.7
6/18/2007 19:00	39.4	40.8

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
6/18/2007 20:00	44.3	48.3
6/18/2007 21:00	45.0	39.3
6/18/2007 22:00	43.5	48.6
6/18/2007 23:00	53.0	47.9
6/19/2007 0:00	48.4	52.5
6/19/2007 1:00	34.6	38.8
6/19/2007 2:00	17.5	28.5
6/19/2007 3:00	22.9	27.4
6/19/2007 4:00	26.1	25.1
6/19/2007 5:00	25.3	27.7
6/19/2007 6:00	26.6	36.7
6/19/2007 7:00	34.6	33.1
6/19/2007 8:00	18.1	25.0
6/19/2007 9:00	21.1	25.7
6/19/2007 10:00	20.0	20.2
6/19/2007 11:00	31.9	28.6
6/19/2007 12:00	26.1	32.6
6/19/2007 13:00	17.0	17.9
6/19/2007 14:00	17.3	20.0
6/19/2007 15:00	13.5	18.0
6/19/2007 16:00	12.7	15.9
6/19/2007 17:00	14.6	13.8
6/19/2007 18:00	13.9	13.3
6/19/2007 19:00	16.2	19.7
6/19/2007 20:00	17.5	11.8
6/19/2007 21:00	14.0	21.8
6/19/2007 22:00	15.0	22.6
6/19/2007 23:00	13.7	19.8
6/20/2007 0:00	13.1	16.8
6/20/2007 1:00	16.7	18.1
6/20/2007 2:00	16.8	23.2
6/20/2007 3:00	18.8	21.9
6/20/2007 4:00	19.7	24.5
6/20/2007 5:00	21.8	26.6
6/20/2007 6:00	21.5	27.1
6/20/2007 7:00	24.8	25.6
6/20/2007 8:00	26.6	12.9
6/20/2007 9:00	24.6	13.5
6/20/2007 10:00	18.3	21.6
6/20/2007 11:00	15.6	16.3
6/20/2007 12:00	10.2	17.9
6/20/2007 13:00	6.4	18.1
6/20/2007 14:00	12.1	14.4

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
6/20/2007 15:00	15.0	9.7
6/20/2007 16:00	13.1	8.9
6/20/2007 17:00	14.7	10.1
6/20/2007 18:00	15.7	11.4
6/20/2007 19:00	15.6	22.3
6/20/2007 20:00	14.3	12.0
6/20/2007 21:00	16.5	13.5
6/20/2007 22:00	15.4	16.8
6/20/2007 23:00	22.5	18.3
6/21/2007 0:00	23.1	18.9
6/21/2007 1:00	24.7	22.8
6/21/2007 2:00	26.5	12.8
6/21/2007 3:00	23.2	16.1
6/21/2007 4:00	21.6	19.8
6/21/2007 5:00	32.3	29.5
6/21/2007 6:00	20.1	29.2
6/21/2007 7:00	24.6	25.4
6/21/2007 8:00	28.8	23.6
6/21/2007 9:00	24.8	24.9
6/21/2007 10:00	22.2	26.0
6/21/2007 11:00	18.4	22.3
6/21/2007 12:00	17.2	19.1
6/21/2007 13:00	22.9	28.4
6/21/2007 14:00	23.7	24.4
6/21/2007 15:00	25.6	21.8
6/21/2007 16:00	12.9	16.4
6/21/2007 17:00	13.8	16.2
6/21/2007 18:00	13.6	16.0
6/21/2007 19:00	13.8	14.3
6/21/2007 20:00	15.8	10.9
6/21/2007 21:00	12.7	13.2
6/21/2007 22:00	9.6	17.6
6/21/2007 23:00	5.6	17.9
6/22/2007 0:00	6.9	16.3
6/22/2007 1:00	15.0	13.1
6/22/2007 2:00	21.7	27.7
6/22/2007 3:00	19.6	25.2
6/22/2007 4:00	19.5	27.3
6/22/2007 5:00	26.0	20.5
6/22/2007 6:00	23.9	17.8
6/22/2007 7:00	17.4	20.3
6/22/2007 8:00	15.3	11.8
6/22/2007 9:00	13.3	11.7



## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
6/22/2007 10:00	15.4	13.1
6/22/2007 11:00	15.1	11.9
6/22/2007 12:00	8.9	7.2
6/22/2007 13:00	9.1	9.9
6/22/2007 14:00	13.6	15.8
6/22/2007 15:00	15.4	15.5
6/22/2007 16:00	13.5	15.5
6/22/2007 17:00	11.8	16.1
6/22/2007 18:00	21.0	20.9
6/22/2007 19:00	21.2	13.9
6/22/2007 20:00	13.1	13.5
6/22/2007 21:00	15.1	22.2
6/22/2007 22:00	14.1	16.7
6/22/2007 23:00	15.4	22.3
6/23/2007 0:00	19.2	19.6
6/23/2007 1:00	20.6	19.8
6/23/2007 2:00	25.4	24.7
6/23/2007 3:00	21.0	26.0
6/23/2007 4:00	19.4	21.1
6/23/2007 5:00	19.0	20.9
6/23/2007 6:00	17.6	13.1
6/23/2007 7:00	14.3	14.2
6/23/2007 8:00	13.0	11.3
6/23/2007 9:00	11.6	7.5
6/23/2007 10:00	7.2	6.8
6/23/2007 11:00	5.4	5.8
6/23/2007 12:00	9.7	8.1
6/23/2007 13:00	12.2	8.1
6/23/2007 14:00	10.6	10.2
6/23/2007 15:00	10.0	14.4
6/23/2007 16:00	10.8	12.2
6/23/2007 17:00	11.6	10.1
6/23/2007 18:00	9.7	11.6
6/23/2007 19:00	10.1	12.1
6/23/2007 20:00	12.5	12.9
6/23/2007 21:00	9.3	13.0
6/23/2007 22:00	6.0	11.3
6/23/2007 23:00	10.5	12.0
6/24/2007 0:00	12.2	15.1
6/24/2007 1:00	14.3	25.1
6/24/2007 2:00	26.6	17.2
6/24/2007 3:00	21.7	23.3
6/24/2007 4:00	21.4	20.9

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
6/24/2007 5:00	16.1	17.2
6/24/2007 6:00	15.2	15.1
6/24/2007 7:00	16.9	14.2
6/24/2007 8:00	20.5	16.1
6/24/2007 9:00	11.9	16.1
6/24/2007 10:00	15.1	14.3
6/24/2007 11:00	18.6	21.1
6/24/2007 12:00	16.1	19.8
6/24/2007 13:00	15.8	16.9
6/24/2007 14:00	18.4	17.1
6/24/2007 15:00	22.9	21.8
6/24/2007 16:00	30.2	31.2
6/24/2007 17:00	28.4	33.3
6/24/2007 18:00	31.7	34.3
6/24/2007 19:00	30.3	29.8
6/24/2007 20:00	32.8	29.0
6/24/2007 21:00	27.3	25.4
6/24/2007 22:00	30.2	30.6
6/24/2007 23:00	29.2	26.5
6/25/2007 0:00	37.8	28.1
6/25/2007 1:00	29.4	30.7
6/25/2007 2:00	36.4	39.5
6/25/2007 3:00	33.5	44.3
6/25/2007 4:00	39.0	40.1
6/25/2007 5:00	38.9	41.3
6/25/2007 6:00	45.5	41.2
6/25/2007 7:00	46.8	43.8
6/25/2007 8:00	42.0	39.6
6/25/2007 9:00	46.4	43.0
6/25/2007 10:00	44.4	47.6
6/25/2007 11:00	32.1	33.7
6/25/2007 12:00	24.2	31.8
6/25/2007 13:00	28.3	35.4
6/25/2007 14:00	37.6	38.0
6/25/2007 15:00	39.1	28.6
6/25/2007 16:00	25.9	30.4
6/25/2007 17:00	42.3	45.5
6/25/2007 18:00	46.5	43.5
6/25/2007 19:00	47.9	43.5
6/25/2007 20:00	49.2	49.3
6/25/2007 21:00	46.1	42.0
6/25/2007 22:00	39.1	43.0
6/25/2007 23:00	32.5	37.9

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
6/26/2007 0:00	42.0	31.5
6/26/2007 1:00	36.8	32.7
6/26/2007 2:00	38.2	31.1
6/26/2007 3:00	33.1	32.8
6/26/2007 4:00	35.8	42.6
6/26/2007 5:00	43.3	30.0
6/26/2007 6:00	38.0	37.3
6/26/2007 7:00	38.0	42.5
6/26/2007 8:00	38.7	34.9
6/26/2007 9:00	40.5	33.8
6/26/2007 10:00	39.4	35.0
6/26/2007 11:00	29.2	33.8
6/26/2007 12:00	30.4	33.2
6/26/2007 13:00	32.4	29.4
6/26/2007 14:00	28.7	32.1
6/26/2007 15:00	30.2	33.0
6/26/2007 16:00	33.7	38.7
6/26/2007 17:00	33.9	37.8
6/26/2007 18:00	27.7	34.1
6/26/2007 19:00	30.0	27.8
6/26/2007 20:00	31.8	29.9
6/26/2007 21:00	28.3	30.3
6/26/2007 22:00	35.3	31.8
6/26/2007 23:00	35.8	32.8
6/27/2007 0:00	29.3	28.4
6/27/2007 1:00	36.1	34.6
6/27/2007 2:00	28.8	35.7
6/27/2007 3:00	30.9	27.8
6/27/2007 4:00	28.4	29.3
6/27/2007 5:00	26.5	34.7
6/27/2007 6:00	25.9	26.3
6/27/2007 7:00	24.9	21.6
6/27/2007 8:00	26.1	20.3
6/27/2007 9:00	29.3	26.3
6/27/2007 10:00	20.9	23.7
6/27/2007 11:00	25.6	27.4
6/27/2007 12:00	29.4	29.1
6/27/2007 13:00	26.3	27.0
6/27/2007 14:00	25.0	30.0
6/27/2007 15:00	25.4	4.7
6/27/2007 16:00	14.5	7.6
6/27/2007 17:00	13.9	9.2
6/27/2007 18:00	13.8	15.1

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
6/27/2007 19:00	16.2	18.0
6/27/2007 20:00	16.7	24.2
6/27/2007 21:00	15.4	9.6
6/27/2007 22:00	13.7	12.4
6/27/2007 23:00	14.6	14.8
6/28/2007 0:00	14.9	16.0
6/28/2007 1:00	12.1	22.4
6/28/2007 2:00	13.2	20.3
6/28/2007 3:00	15.3	13.1
6/28/2007 4:00	16.0	14.9
6/28/2007 5:00	16.0	16.8
6/28/2007 6:00	12.2	15.9
6/28/2007 7:00	10.3	14.2
6/28/2007 8:00	10.8	13.8
6/28/2007 9:00	8.7	10.7
6/28/2007 10:00	10.9	11.4
6/28/2007 11:00	14.1	14.4
6/28/2007 12:00	14.7	13.3
6/28/2007 13:00	13.9	12.9
6/28/2007 14:00	20.2	12.5
6/28/2007 15:00	15.4	14.1
6/28/2007 16:00	14.3	16.8
6/28/2007 17:00	15.3	19.8
6/28/2007 18:00	13.1	14.2
6/28/2007 19:00	10.0	12.5
6/28/2007 20:00	14.4	12.7
6/28/2007 21:00	14.8	20.4
6/28/2007 22:00	11.5	12.7
6/28/2007 23:00	8.3	11.3
6/29/2007 0:00	9.5	8.8
6/29/2007 1:00	11.3	9.4
6/29/2007 2:00	8.9	12.0
6/29/2007 3:00	9.0	9.4
6/29/2007 4:00	9.4	8.1
6/29/2007 5:00	9.8	12.0
6/29/2007 6:00	9.3	12.0
6/29/2007 7:00	8.6	11.0
6/29/2007 8:00	6.7	9.8
6/29/2007 9:00	4.8	8.7
6/29/2007 10:00	7.7	7.1
6/29/2007 11:00	8.0	7.6
6/29/2007 12:00	7.0	10.7
6/29/2007 13:00	5.4	11.4

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
6/29/2007 14:00	10.8	21.9
6/29/2007 15:00	17.9	18.5
6/29/2007 16:00	16.3	15.7
6/29/2007 17:00	15.8	16.1
6/29/2007 18:00	16.2	12.4
6/29/2007 19:00	12.6	10.2
6/29/2007 20:00	9.5	10.9
6/29/2007 21:00	8.7	6.8
6/29/2007 22:00	9.4	12.4
6/29/2007 23:00	20.8	27.8
6/30/2007 0:00	20.8	30.2
6/30/2007 1:00	31.1	40.4
6/30/2007 2:00	33.4	42.0
6/30/2007 3:00	24.7	35.5
6/30/2007 4:00	18.6	35.8
6/30/2007 5:00	23.7	29.1
6/30/2007 6:00	23.6	29.6
6/30/2007 7:00	25.1	25.8
6/30/2007 8:00	30.7	23.5
6/30/2007 9:00	28.1	29.3
6/30/2007 10:00	28.2	30.6
6/30/2007 11:00	15.8	21.0
6/30/2007 12:00	12.7	16.4
6/30/2007 13:00	11.8	13.2
6/30/2007 14:00	15.4	12.9
6/30/2007 15:00	14.9	13.6
6/30/2007 16:00	11.4	14.2
6/30/2007 17:00	11.4	16.0
6/30/2007 18:00	13.3	12.5
6/30/2007 19:00	13.0	12.9
6/30/2007 20:00	15.8	36.7
6/30/2007 21:00	17.5	26.8
6/30/2007 22:00	17.3	15.5
6/30/2007 23:00	17.6	16.7