

**Supplementary Table and Figures**

Table S1: indicative Gantt chart of sampling period at various locations.

<i>Location</i>	2001												2002												2003												
	January	February	March	April	May	June	July	August	September	October	November	December	January	February	March	April	May	June	July	August	September	October	November	December	January	February	March	April	May	June	July	August	September	October	November	December	
Petroleumkaai																																					
Borgerhout																																					
Zelzate																																					
Hasselt																																					
Mechelen																																					
Wingene																																					

Supplementary Table S2: Daily average values of the meteorological parameters with standard deviation ( $\pm$ SD) for each site and campaign

Parameter	Petroleumkaai		Borgerhout		Zelzate		Hasselt		Wingene		Mechelen	
	C1	C2	C1	C2	C1	C2	C1	C2	C1	C2	C1	C2
Temperature (°C)	14.9 $\pm$ 1.8	4.5 $\pm$ 4.6	6.9 $\pm$ 3.2	7.1 $\pm$ 3.9	3.2 $\pm$ 3.6	17 $\pm$ 3	8.2 $\pm$ 3.0	11.5 $\pm$ 2.1	10.2 $\pm$ 2.5	17.2 $\pm$ 2.6	17.1 $\pm$ 2.6	6.2 $\pm$ 4.2
Air pressure (hPa)	1014 $\pm$ 7	1013 $\pm$ 13	1024 $\pm$ 11	1024 $\pm$ 8	1022 $\pm$ 13	1018 $\pm$ 5	1010 $\pm$ 9	1013 $\pm$ 10	1016 $\pm$ 9	1014 $\pm$ 5	1014 $\pm$ 7	1012 $\pm$ 11
Precipitation (mm)	3.0 $\pm$ 6.0	3.5 $\pm$ 5.9	2.7 $\pm$ 4.7	0.9 $\pm$ 2.8	1.8 $\pm$ 3.5	1.0 $\pm$ 2.4	3.2 $\pm$ 4.3	2.1 $\pm$ 3.0	1.3 $\pm$ 2.3	2.2 $\pm$ 5.0	2.1 $\pm$ 5.1	2.6 $\pm$ 4.0
Relative humidity (%)	72 $\pm$ 5	73 $\pm$ 7	75 $\pm$ 5	59 $\pm$ 10	81 $\pm$ 25	84 $\pm$ 7	67 $\pm$ 7	70 $\pm$ 6	73 $\pm$ 10	79 $\pm$ 7	60 $\pm$ 6	74 $\pm$ 7
Wind speed (m/s)	3.9 $\pm$ 1.4	4.4 $\pm$ 1.4	3.6 $\pm$ 1.6	3.4 $\pm$ 1.3	5.5 $\pm$ 2.6	3.3 $\pm$ 1.2	5.5 $\pm$ 2.1	4.0 $\pm$ 1.9	4.1 $\pm$ 1.8	3.6 $\pm$ 1.1	3.7 $\pm$ 0.9	3.8 $\pm$ 1.4
Wind direction*	SW	SW	SW	E/SE	SW	N/NE	SW	SW	SW	SW	SW	E/W/SW

\* The prevailing wind directions are indicated.