Supplement of

Two years of near real-time chemical composition of submicron aerosols in the region of Paris using an Aerosol Chemical Speciation Monitor (ACSM) and a multi-wavelength Aethalometer

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**Supplementary Information**

Fig. S1: a) Scatter plot of absorption coefficients at 880 nm measured by the AE31 and AE33 instruments during early February 2013. 1-min AE33 data were averaged on the timescale (5 min) of the AE31 data; b) Mass Absorption Cross-section determination from the comparison of Elemental Carbon concentrations (EUSAAR2) from daily filters and $b_{abs}$ from Aethalometer data.

Fig. S2: Monthly averaged urban PM$_{2.5}$ concentrations (Bobigny, Gennevilliers and Ivry-sur-Seine stations) calculated from January 2007 to December 2013.