Supplement of

Impact of size distribution of chemical compositions on particle's mass scattering efficiency at urban Guangzhou, Pearl River Delta region of China

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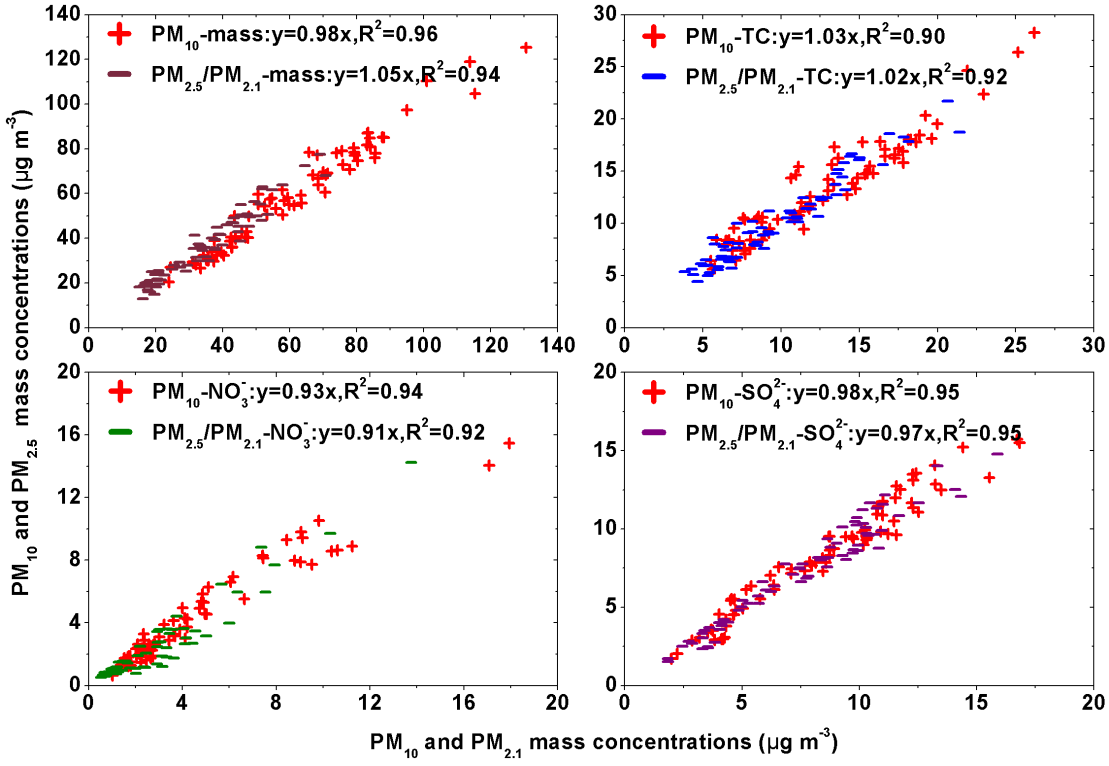

Fig. S1: Correlations between particle and their chemical compositions by the size-segregated samples and those by the $PM_{10}/PM_{2.5}$ samples.

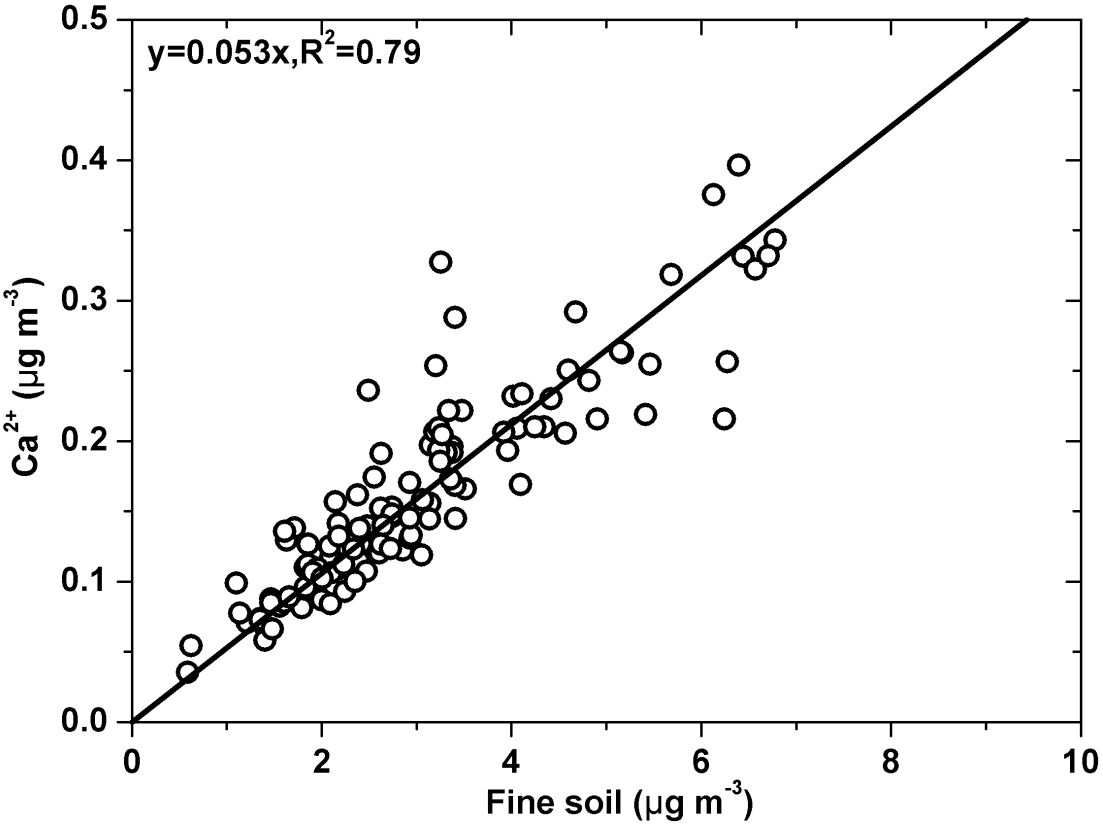

Fig. S2: Correlations between Ca^{2+} and fine soil concentrations (2.20[Al]+2.49[Si]+1.63[Ca]+2.42[Fe]+1.94[Ti]) in four seasons in 2014.

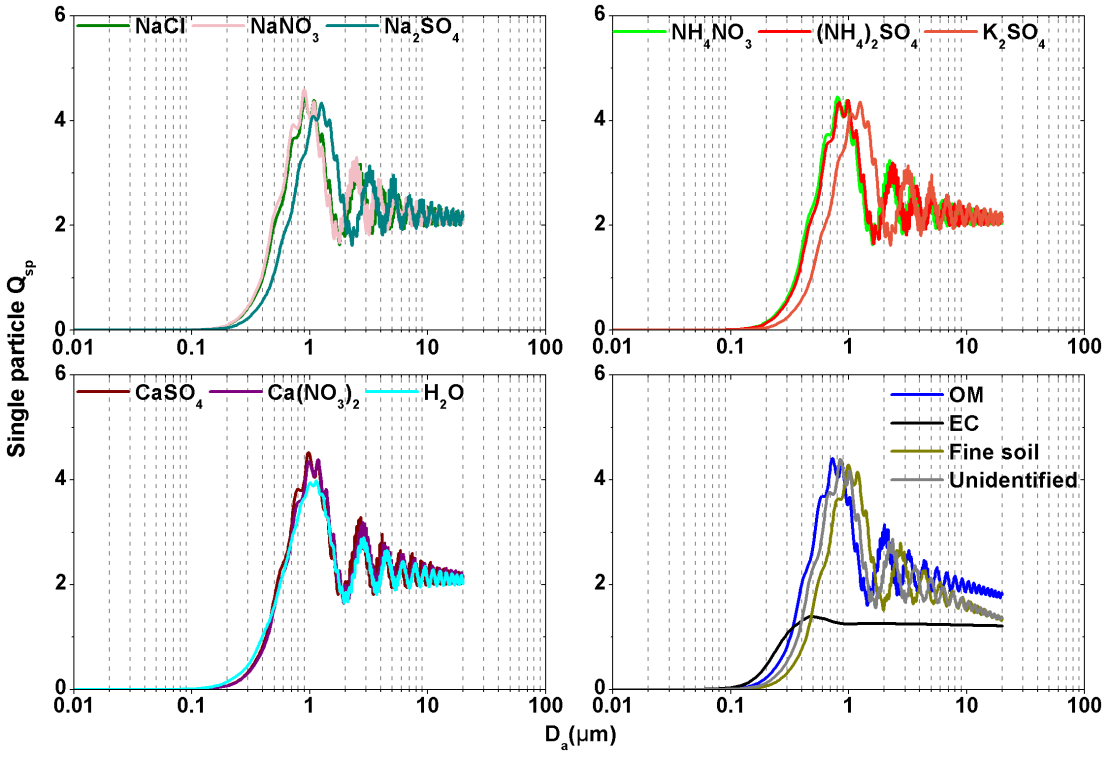

Fig. S3: Single particle scattering efficiencies of the dominant chemical species.

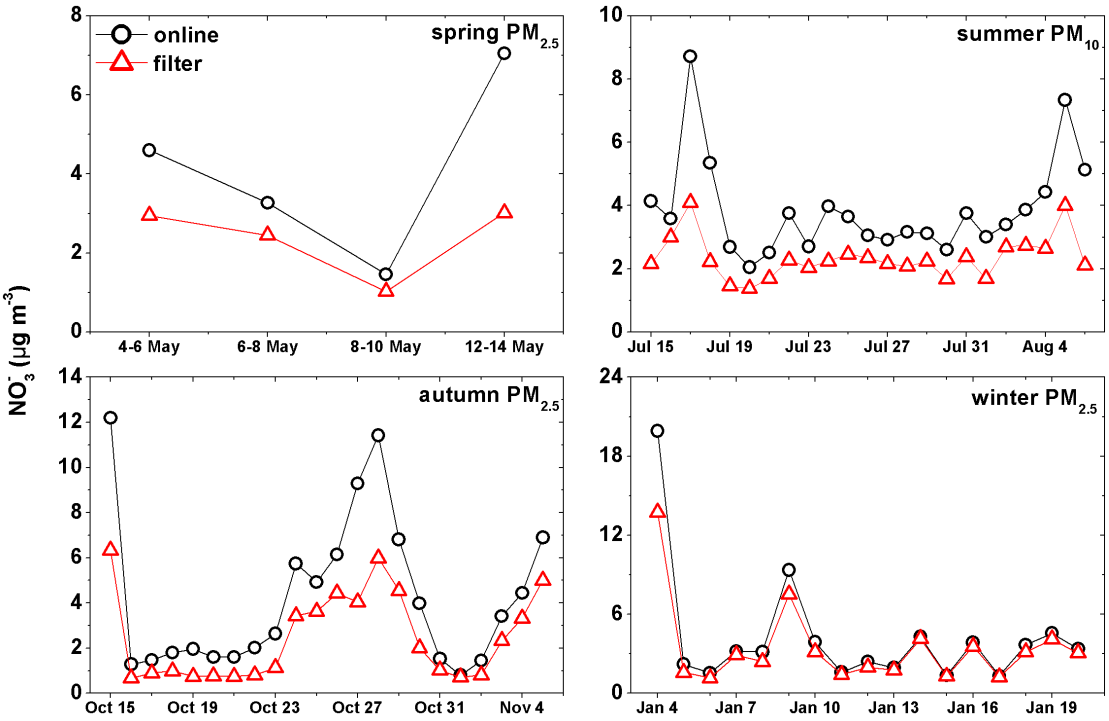

Fig. S4: Correlations between filter-base and online NO_3^- concentrations in four seasons.