



S1 Fig. $PM_{2.5}$ composition as determined by scanning electron microscopy, X-ray diffraction analysis and Rietveld refinement. Color-coded SEM image of $PM_{2.5}$ (A). Particles displayed different shapes, sizes and chemical composition. Small particles were mainly composed of potassium sulfate (K_2SO_4) and potassium chloride (KCl), whereas larger particles mainly consisted of calcium carbonates ($CaCO_3$, $CaMg(CO_3)_2$) calcium hydroxide ($Ca(OH)_2$), silicates and free lime (CaO). Mineralogical composition of $PM_{2.5}$; values given in wt% (B)