

***Interactive comment on* “Elemental content of
PM_{2.5} aerosol particles collected in Göteborg
during the Göte-2005 campaign in February 2005”
by J. Boman et al.**

Anonymous Referee #3

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The manuscript entitled "Elemental content of PM_{2.5} aerosol particles collected in Göteborg during the Göte-2005 campaign in February 2005" by J. Boman, M. J. Gatari, S. Janhäll, A. S. Shannigrahi and A. Wagner presents the measurement of elemental speciation of PM_{2.5} aerosol particles at three urban sites and one rural site in the Göteborg region during the Göte-2005 measurement campaign. Energy Dispersive X-Ray Fluorescence spectrometry was used to obtain the concentrations of S, Cl, K, Ca, Ti, V, Mn, Fe, Ni, Cu, Zn, Br and Pb associated with the PM_{2.5} measurement. By using the calculated backward trajectories and local wind measurement the source areas of the elements were determined. The methodology used are appropriate. Since the Göte-2005 measurement campaign include many other measurements and analysis

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at the same time, the results and analysis from this study are more interesting than this study alone may be able to present. This study also demonstrates the usefulness of the methodology in identifying the source regions of the elements, which deserves attention for other similar studies. Thus, it is recommended to be published by ACPD.

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