

Interactive comment on “Organic molecular markers and signature from wood combustion particles in winter ambient aerosols: aerosol mass spectrometer (AMS) and high time-resolved GC-MS measurements in Augsburg, Germany” by M. Elsasser et al.

Anonymous Referee #2

Received and published: 1 April 2012

This paper is very interesting since it is one of the first instances of comparison of AMS data with GC-MS data obtained with short sampling time. The comparison is also for an extensive period of time. This overall comparison is rather well presented and extensive. The figures are clear. The English could be improved in many instances. The main drawback is about the conclusions. I believe that they could be more substantiated and made very clear. By the end, the answers are needed for the questions “Can the AMS provide a quantitative measurement of the WC fraction, and

C1188

if yes, with what uncertainties?”. The discussion can certainly be extended and focused with the data in hand, on that should appear first in the conclusion section, and be synthesized in the abstract.

Please also note the supplement to this comment:

<http://www.atmos-chem-phys-discuss.net/12/C1188/2012/acpd-12-C1188-2012-supplement.pdf>

Interactive comment on Atmos. Chem. Phys. Discuss., 12, 4831, 2012.