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Interactive comment on “Sources of organic carbon in PM₁ in Helsinki urban air” by S. Saarikoski et al.

Anonymous Referee #2

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Comments on the paper of S. Saarikoski et al. “ Sources of organic carbon in PM1 in Helsinki urban air”

SOA is an important but widely unknown part of the environmental aerosols. This paper describes in an excellent manner the experimental procedures and the scientific discussion and interpretation of results. Using an enormous experimental program to characterize the OC-fraction of PM1 aerosol a set of data was given which can act as an example for future experiments in much more polluted regions (Mega-Cities) than Helsinki. In regions with a modern car fleet the traffic is no more the import source for air pollution. This was documented in an understandable way. Domestic wood combustion is already in the focus of scientists and politicians. They find here an exemplary set of data. The combination of many experimental data and PMF leads to

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universally applicable statements. The discussion of seasonal variations and a special biomass combustion case study are excellently realized.

Interactive comment on *Atmos. Chem. Phys. Discuss.*, 8, 7805, 2008.

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