

## ***Interactive comment on “Quantifying organic matter and functional groups in particulate matter filter samples from the southeastern United States, part I: Methods” by A. J. Boris et al.***

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Received and published: 20 May 2019

Based on a series of previous studies (such as Takahama), the author improved the current FTIR measurement method for quantifying organic aerosols. The research topic is of great significance. It can be used not only to quantify the mass concentration of organic compounds, but also quantify the chemical functional group information of organic aerosols. Here is a suggestion to improve this paper. It is hoped that the author can analyze and determine the functional groups in at least a few different samples by other instruments, such as NMR or HR-AMS. The results were used to confirm that the author's FTIR method for the determination of functional groups can be matched with

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the non-conventional analysis methods.

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Interactive comment on Atmos. Meas. Tech. Discuss., doi:10.5194/amt-2019-144, 2019.

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