

Interactive comment on “Photoacoustic measurement may significantly overestimate NH₃ emissions from cattle houses due to VOC interferences” by Dezhao Liu et al.

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Received and published: 4 April 2019

It has been reported that the measurements of ammonia around livestock facilities by PAS could be interfered by the VOCs, a systematic calibration is still in great need. This research conducted precisely test and calibration on the interference of VOCs on the measurement of NH₃, NO₂, CH₄ by PAS method. The results confirmed the significant influence of the VOCs on the measurement of these compounds. Moreover, the authors dedicate to building correction factors for the interference and verifying the factors in the field tests successfully. Overall, this is high-quality research and the results deserve to be carefully read by researches on field measurement of NH₃, NO₂,

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CH₄ by PAS method.

Interactive comment on Atmos. Meas. Tech. Discuss., doi:10.5194/amt-2018-412, 2019.

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