Accepted Manuscript

Multiphase reactivity of gaseous hydroperoxide oligomers produced from isoprene ozonolysis in the presence of acidified aerosols

Matthieu Riva, Sri H. Budisulistiorini, Zhenfa Zhang, Avram Gold, Joel A. Thornton, Barbara J. Turpin, Jason D. Surratt

PII: S1352-2310(16)31016-0

DOI: 10.1016/j.atmosenv.2016.12.040

Reference: AEA 15102

To appear in: Atmospheric Environment

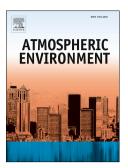
Received Date: 2 October 2016

Revised Date: 19 December 2016

Accepted Date: 20 December 2016

Please cite this article as: Riva, M., Budisulistiorini, S.H., Zhang, Z., Gold, A., Thornton, J.A., Turpin, B.J., Surratt, J.D., Multiphase reactivity of gaseous hydroperoxide oligomers produced from isoprene ozonolysis in the presence of acidified aerosols, *Atmospheric Environment* (2017), doi: 10.1016/j.atmosenv.2016.12.040.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



ACCEPTED MANUSCRIPT

1	Multiphase Reactivity of Gaseous Hydroperoxide
2	Oligomers Produced from Isoprene Ozonolysis in
3	the Presence of Acidified Aerosols
4	
5	Matthieu Riva ^{\dagger,1} , Sri H. Budisulistiorini ^{\dagger,2} , Zhenfa Zhang ^{\dagger} , Avram Gold ^{\dagger} , Joel A. Thornton ^{$\\$} ,
6	Barbara J. Turpin ^{\dagger} , and Jason D. Surratt ^{\dagger^*}
7	
8	[†] Department of Environmental Sciences and Engineering, Gillings School of Global Public
9	Health, The University of North Carolina at Chapel Hill, Chapel Hill, North Carolina 27599
10	United States
11	[¥] Department of Atmospheric Sciences, University of Washington, Seattle, Washington 98195
12	United States
13	
14	¹ Now at the Department of Physics, University of Helsinki, Finland
15	² Now at the Earth Observatory of Singapore, Nanyang Technological University, Singapore
16	
17	* To whom correspondence should be addressed.
18	
19	Jason D. Surratt, Department of Environmental Sciences and Engineering, Gillings School of
20	Global Public Health, University of North Carolina at Chapel Hill, Chapel Hill, NC 27599
21	USA. Tel: 1-(919)-966-0470; Fax: (919)-966-7911; Email: surratt@unc.edu
22	
23	The authors declare no conflict of interest.
24 25	Keywords: HOMs, heterogeneous reaction, Criegee, HR-ToF-CIMS, SOA

Download English Version:

https://daneshyari.com/en/article/5753409

Download Persian Version:

https://daneshyari.com/article/5753409

Daneshyari.com