

Interactive comment on “Tropospheric bromine chemistry: implications for present and pre-industrial ozone and mercury” by J. P. Parrella et al.

P. Pongprueksa

pruek.pongprueksa@lamar.edu

Received and published: 18 April 2012

Goodsite et al. (2012) has recently corrected their theoretical rates published in 2004. With the new rates, their re-calculated Hg lifetime has increased significantly(about two-fold).

Do the authors think that the new rates will alter the atmospheric lifetime of mercury mentioned in the manuscript?

The manuscript will be more complete if the new information is incorporated.

Reference:

C1620

Goodsite M. E., Plane J. M. C., and Skov H., 2012, Correction to A Theoretical Study of the Oxidation of Hg₀ to HgBr₂ in the Troposphere, Environ. Sci. Technol., DOI: 10.1021/es301201c.

Interactive comment on Atmos. Chem. Phys. Discuss., 12, 9665, 2012.