

Interactive comment on “Release of mercury halides from KCl denuders in the presence of ozone” by S. N. Lyman et al.

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The ACPD paper presented by Lyman et al., is very thought provoking and disconcerting for all of us who have been publishing RGM data based on KCl-coated annular denuders over the last decade. The article is well laid out and the experimental method appears appropriate.

I just have one minor comment: The concentrations of RGM collected by the uncoated denuders were relatively low and collected in a low humidity environment so I would be careful about suggesting that uncoated denuders capture RGM as well as KCl-coated denuders, especially at higher RGM concentrations or other environments.

My only other point I'd like to bring is quite speculative but given the unusual results

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reported by Lyman et al., why not? Is there any chance that instead of being lost, that some of the RGM compounds captured by the denuders either react with the ozone to create more recalcitrant products that are not decomposed by pyrolysis or that some of the pyrolyzed RGM is released as a different form that is not properly analyzed via dual trap amalgamation CVAFS?

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