

Interactive comment on “Dynamic Solution Injection: a new method for preparing pptv-ppbv standard atmospheres of volatile organic compounds” by K. J. Jardine et al.

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We greatly thank Dr. Eric Apel for recognizing some of the advantages of the Dynamic Solution Injection (DSI) method for the generation of VOC standard atmospheres presented in this manuscript and for the helpful suggestions of how to make it better. Given the mentioned issues with quantitative comparisons, our new manuscript focuses on presenting the DSI technique as a useful method for performing VOC calibrations in the field in a semiquantitative way.

Specific changes to the manuscript include

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- 1) Removal of the acetaldehyde calibration comparison using the DSI and compressed gas cylinder techniques. This was done because acetaldehyde was found to be unstable in the methanol solvent used in DSI and simplifies the results/discussion section.
- 2) Focus the discussion on the comparison between the DSI and permeation tube techniques.
- 3) Conclude that future tests will hopefully further demonstrate the quantitative capability of the DSI technique.

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