

Reviewer 2 comments **response in orange**

I appreciate the efforts from the authors to address my previous comments. Given the recommendation of the other reviewer and the authors highlighting the value of continuous, multi-site study in New and Old Delhi, I am fine with considering the paper as a research article. There are however still deficiencies that need to be addressed before acceptance:

The authors appreciate the time spent by the reviewer to provide the valuable comments to our manuscript.

- Indicate the inlet humidity after use of the drier (and was it a nafion drier or a diffusion drier, etc.)

The drier used was a nafion drier. The humidity was not continuously monitored, because the purpose was just to stop the humidity going >80% when going to the instruments.

- My question related to the high Q/Q_{exp} for some m/z 's isn't answered. So what does it mean that some of the key fragments have very large Q/Q_{exp} even if the overall Q/Q_{exp} is not too high? Is a value of 300 not high enough to be of concern?! If the overall Q/Q_{exp} is acceptable, and m/z -dependent Q/Q_{exp} is not going to be discussed, please remove the plots.

Thank you for your comment, following your suggestion: Figure S10. Time series of residuals and Q/Q_{exp} values. And Figure 11 Residuals and Q/Q_{exp} values for m/z have been removed.

- Figure S4. Change "Birmingham PM2.5" to "Gravimetric PM2.5" to be consistent with the text

The figure has been updated as suggested.

- By "6 hourly gravimetric PM2.5 mass" do you mean 6-hr filters? As written it seems 6 of 1-hr filters, but the plots have more than 6 filter values, so this needs to be clarified.

We mean 6-hour filters. This has been corrected in the supplement

- Figure S6 indicates anions were measured by ICP-MS. I don't think that's correct. Do the authors mean IC?! Again, remove the reference to Birmingham.

Thank you for the comment. Yes, ions were measure by Ion chromatography, this has been corrected in the supplement.

- Figure 4. Factor nHOA is used in Fig. 4 while NHOA is used in Table S4. Use them consistently please. Also, Figure 4 caption need to have a similar description to what's included for Table S4.

The changes have been done as suggested.