

Author's Response

I Comments from Evangelia Diapouli

Public justification (visible to the public if the article is accepted and published):

The authors have made a great effort to respond to all the reviewers' comments. The manuscript may be accepted for publication once some technical corrections are made. Together by the comments made by Reviewer #2, please also consider the following corrections:

Thank you very much for this comment and for accepting our manuscript. All technical corrections were made as suggested, and we would like to express our sincere thanks to the editor for these very helpful comments.

To specifically answer the *comment* « Line 470: Please provide an explanation regarding the CFC and OFC filters. Only OFC filters are mentioned in the line above. », we should mentioned that CFC cassettes were used as reference samplers to perform the Mass Balance Verification protocol, as detailed in paragraph 3.7. To clarify this, we renamed paragraph 3.5 to 'SADS Sampling Procedure' and added '*...equipped with Whatman Quartz Microfiber Filters (QMA)...*' in paragraph 3.7 to specify the type of filter used in the CFC cassettes. The filters in both OPC and CFC are identical to allow for accurate comparisons.

II Comments from Reviewer 2

I still have a problem with the graphic representation of the curves shown in Figures 7, 8 and 12A and 12B.

In the text for Figures 12 A and B a violet curve is described (line 538) which will not be recognizable in a copied version.

Typically, a diagram should be presented in such a way that it can be understood without reading the accompanying text for too long. This is somewhat difficult in diagram 12 A and B, as the curve explanations in the graphic (SADS R axial...) are difficult to assign to the curves drawn.

Furthermore, it would be advantageous to make the thin curves a little thicker, especially also in Figures 7 and 8, since the graphic will be significantly smaller in the finished publication and will probably disappear as a result.

Otherwise I can agree with this manuscript. 2.

We would like to thank reviewers 1 and 2 for accepting our manuscript. The comments on figures 7, 8, 12A, and 12B were taken into account and modified accordingly.

III Comments from the Editorial team

Table 3 in now free from any colored cells.