Atmos. Chem. Phys. Discuss.,
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Atmospheric Chemistry and Physics Discussions

Interactive comment on "Comparison of Polycyclic Aromatic Compounds in Air Measured by Conventional Passive and Passive Dry Deposition Samplers and Contributions from Petcoke and Oil Sands Ore" *by* Narumol Jariyasopit et al.

Anonymous Referee #2

Received and published: 4 December 2017

General: This manuscript presents measurements and performance of two passive air sampling techniques for PACs. Furthermore, it provides characterizations of real air samples collected near oil sands development areas in Alberta, Canada as well as possible sources for PACs including ore and petcoke. The authors do a fine job evaluating sampler performance and providing evidence of the PAC sources. I can recommend publishing the paper in ACP with the suggestion for a few minor revisions.

Page 2 lines 87-88: Please provide technical definitions of the two different petcokes.

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Discussion paper

Figure 3 Panel A: change instances of “PHE/ANT” to perhaps “PHE + ANT” in order to prevent confusion with regards to compound ratios.

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