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Interactive Comment

Interactive comment on "Sources and transformations of particle-bound polycyclic aromatic hydrocarbons in Mexico City" by L. C. Marr et al.

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One of the major strengths of this manuscript is comparison of data from three independent techniques to measure particle bound PAH in the atmosphere of a megacity with substantial airborne PAH loadings that may have significant health impacts. However, the intercomparison of data from three measuremnts techniques requires an substantive error analysis that examines both statitistical and probable (estimated) systematic measurement uncertainties for each technique. Without meaningful and consistent error bars for each measurement technique, quantitaive comparisons of results from



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differnt techniques is much less meaningful. I urge the authors to make their best attempt at quantifying total (statistical + systematic) uncertainties in the data they present and compare. Data plots (Figs. 1-6) with realistic error bars are much more valuable and informative than those without.

Interactive comment on Atmos. Chem. Phys. Discuss., 5, 12741, 2005.

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