**Atmospheric
Chemistry
and Physics
Discussions**

## *Interactive comment on* "Emissions of volatile organic compounds inferred from airborne flux measurements over a megacity" *by* T. Karl et al.

**T. Karl et al.**

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We thank both reviewers for their thorough reviews which helped clarify important issues. We have provided a point by point response on major comments and propose to incorporate the following changes in addition to various technical corrections that were suggested:

(1) We will clarify the comparisons between emission inventories as suggested and include a new table (instead of figure 6) which puts our observations in context of individual emission inventories. We will also include a comparison with a new emission inventory, which has just been released. (2) We will eliminate former figure 6. (3) We will expand the description on the regression model and modify former table 2 by including 2 more columns which will show VOC ratios obtained from data regressions as well as correlation coefficients (R) for each individual VOC pair. This will give the

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reader a measure of how well VOCs correlated among each other. The table will also show best estimates of VOC source emission ratios based on a detailed literature review used for the regression. Missing references will also be added as suggested by reviewer 2. (4) We will clarify issues on VOC vs NMHC reactivity and reference a paper by Apel et al. which is in preparation. (5) We will implement technical corrections raised by both reviewers.

Interactive comment on Atmos. Chem. Phys. Discuss., 8, 14273, 2008.

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