

## ***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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### **Technical Corrections**

#### **Reviewer 1:**

**Page 14274, Line 26: Volkamer instead of Volkhamer.**

OK Changed.

**Page 14275, Lines 27-29: It must be: Their work was contrasted by Velasco et al. (2005) who argued that the urban emission inventory for Mexico City was generally consistent with their eddy covariance flux measurements.**

OK Changed.

**Page 14276, Line 17: (Karl, 1999) is missing in the reference section.**

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Corrected.

**Page 14278, Line 16: (Lindinger et al., 1998) is missing in the reference section.**

Corrected.

**Page 14280, Line 10: The 1998 emissions inventory for Mexico City was published by the Comisión Ambiental Metropolitana (CAM) in 2001, and the 2002 emissions inventory by the same agency in 2004. With the aim of avoiding confusion in regard to the years, we suggest referring to them as 1998 and 2002 emissions inventories, instead of CAM01 and CAM04.**

This will be clarified in our new table.

**Page 14280, Line 12: (Guenther et al., 2006) is missing in the reference section.**

Added.

**Page 14281, Line 8: The DEC acronym was defined previously in page 14276, line 16. Page 14285, Line 6: Same as comment 6.**

Deleted.

**Page 14285, Line 18: Note that the toluene/benzene ratio of 8.8 is in ppbC/ppbC.**

Converted.

**Page 14286, Lines 6-7: It must be ...**

Corrected coordinates.

**Page 14286, Line 23: The toluene mixing ratio of 70 ppbv reported for T0 is extremely high for midday. Concentrations above 30 ppbv are only observed during the morning rush hour. At midday concentrations below 15 ppbv are expected.**

This is why we mention up to 70 ppbv.

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**Page 14287, Line 26: Same as comment 11, the toluene/benzene ratio of 4.9 is in ppbC/ppbC.**

Corrected.

**Page 14288, Line 9: Must be Andreae and Merlet, 2001.**

Corrected.

**Page 14302, Fig. 1b: To better observe the flight tracks and ground sites in the map the panel should enclose a smaller area, similar to the area depicted in Fig. 7.**

This information can be obtained from Figure 5. In figure 1b we want to show the scale of MCMA with respect to our research flights: no change.

**Page 14304, Fig. 3: To be consistent with the text, the legend in the bottom panel should indicate the bandwidths as 0.1-32 s and 0.1-64 s.**

This will be changed accordingly.

**Reviewer 2:**

**Please check the references. There are some spelling mistakes, wrong dates and references missing in the list.**

doublechecked and corrected where necessary

**page 14278: The updated PTR-MS review paper should be added, this paper also gives a summary of the PTR-MS inter-comparisons.**

Reference will be added.

**page 14289: please add references for the uniqueness of acetonitrile and MTBE as tracers (Millet et al 2004 and de Gouw et al 2003) and the exhaust emissions from acetonitrile (Holzinger et al 2001)**

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References will be added.

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

**ACPD**

8, S7317–S7320, 2008

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