Interactive comment on "Speciation of anthropogenic emissions of non-methane volatile organic compounds: a global gridded data set for 1970–2012" *by* Ganlin Huang et al.

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It is a nice effort to improve the global NMVOC emission database in time, in sector, and in speciation resolution. The data extended by the authors will greatly help the application of VOC emission inventory in the chemical transport simulation of various air quality models. However, the method of the revision of EDGAR NMVOC emission is obscure. The emission factors from EMEP/EEA guidebook were mainly from European references, but their application in developing countries has certain uncertainty. It needs to be further analyzed and evaluated. Moreover, the average abatement efficiencies of the abatement measures for various sectors in various countries should be more introduced in the manuscript. These issues had better be properly handled by

the authors before publication of this paper.

Interactive comment

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