

Interactive comment on “Contribution of garbage burning to chloride and PM<sub>2.5</sub> in Mexico City” by G. Li et al.

A. Laskin (Alexander.Laskin@pnl.gov)

I would like to bring to the author’s attention a manuscript of Moffet et al EST 2008, 42, 7091–7097 that describes in great detail Cl-containing particles observed on March 24 during the same field study (MILAGRO 2006, T0 site), and attributed to GB emissions.

We would like to thank Dr. Alexander Laskin for the comment about the paper by Moffet et al. (2008), which supports the conclusion that we have made in our manuscript. Although Moffet et al. (2008) is included in the references by Molina et al. (2010), which we have referenced in our manuscript, we will add the following sentences on Page 8 in the manuscript:

*“It should be noted that Moffet et al. (2008) provided detailed studies of Cl-containing particles using single particle measurements at T0 during MILAGRO 2006. Based on spatial, temporal, physical, and chemical information on the Cl-containing particles, they concluded that these particles are produced by local waste incineration, which is consistent with the WRF-CHEM model simulations at T0.”*

References:

Moffet, R. C., et al.: Characterization of aerosols containing Zn, Pb, and Cl from an industrial region of Mexico City, Environ. Sci. Technol., 42, 7091–7097, 2008.

Molina, L. T., et al.: An overview of the MILAGRO 2006 Campaign: Mexico City emissions and their transport and transformation, Atmos. Chem. Phys., 10, 8697–8760, 2010.