

SUPPORTING INFORMATION

Assessment of the halogen content of Brazilian inhalable particulate matter (PM₁₀)
using high resolution molecular absorption spectrometry and electrothermal
vaporization inductively coupled plasma mass spectrometry, with direct solid sample
analysis

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This supporting information file contains four pages and three figures, numbered from
S1 to S3.

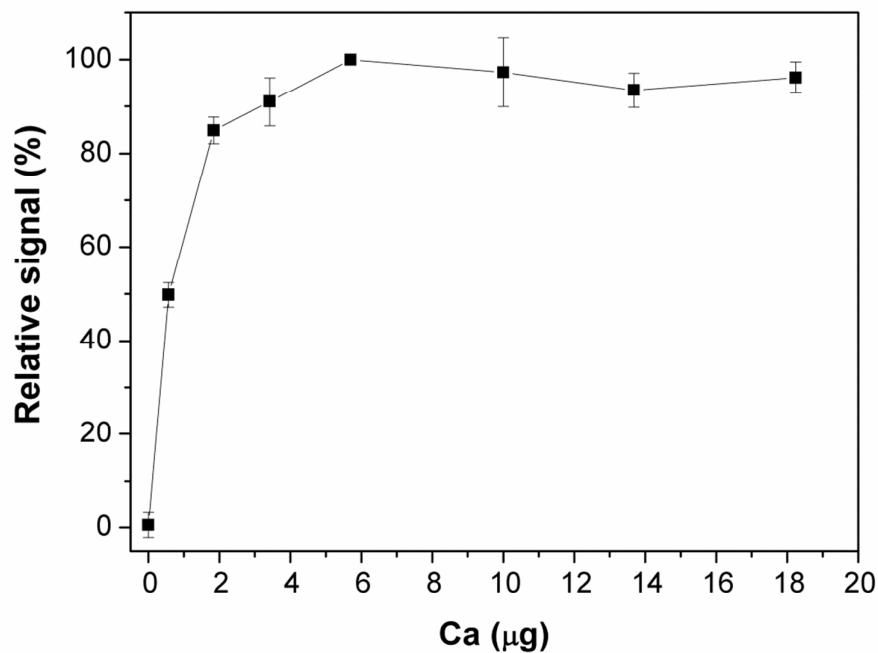


Figure S1. Effect of Ca mass on the signal obtained for the CaF molecule by SS-HR-CS GF MAS at 606.4322 nm using 100 ng F as an aqueous solution. Pyrolysis and vaporization temperatures were set at 1100 °C and 2200 °C, respectively. Relative signal refers to the percent ratio between individual values and the maximum value in the series.

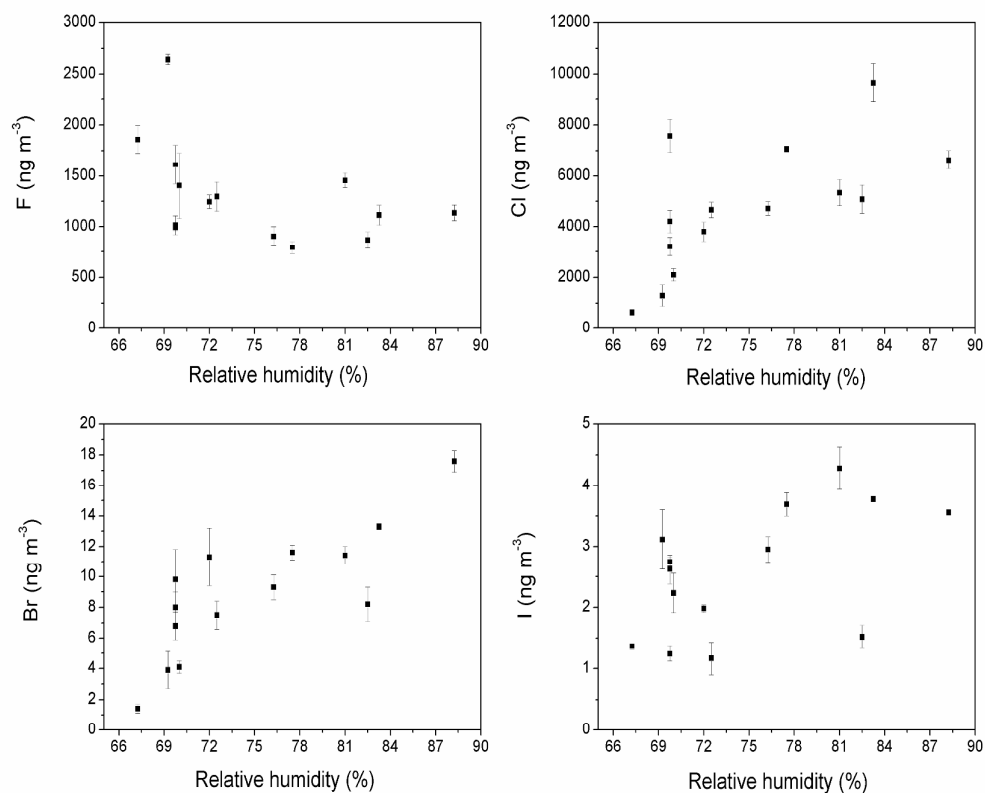


Figure S2. Effect of relative air humidity on the determined concentrations of F (obtained by SS-HR-CS GF MAS), Br, Cl and I (obtained by SS-ETV-ICP-MS) in airborne inhalable particulate matter (PM₁₀) samples. The PM₁₀ samples were collected in the coastal city of Aracaju, Sergipe, Brazil, between February and June, 2013.

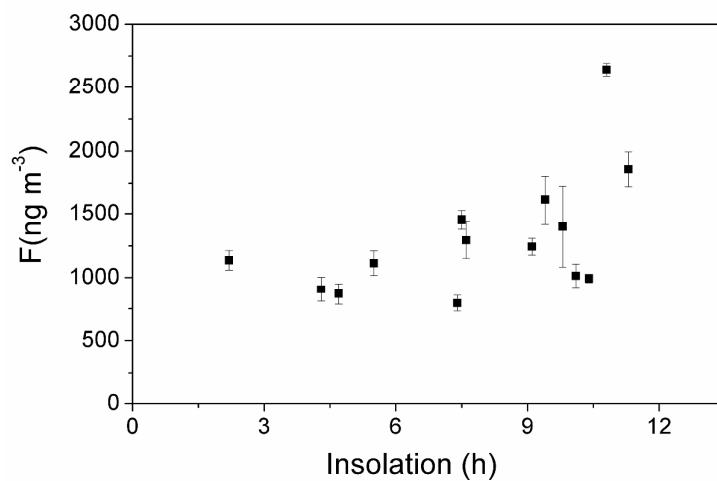


Figure S3. Effect of sunlight irradiation (insolation) on the determined concentration of F obtained by SS-HR-CS GF MAS in airborne inhalable particulate matter (PM₁₀) samples collected in the coastal city of Aracaju, Sergipe, Brazil.