**Supplementary data**

**Estimation of exposure to airborne particulates**

The amount of airborne particulates intake via inhalation exposure pathway is computed from the equation

The contribution from individual metal to inhalation dose is calculated as follows:

………………………………………..… (2)

Where, DF= deposited fraction of particle in different regions of respiratory tract, C = concentration of metal inhaled per volume of air (particle cm-3), t = the exposure time (hours), IR. = Lung rate, BW = body weight

The individual doses are summed to yield a total inhalation rate using equation

Inhalation dose = …………………………………………… (3)