Meta Data for ORD 000258



Fig. 1 Particle distribution from airborne samples PM2.5 and PM10 from mine residues influenced areas at Zimapan, Hidalgo. a and b correspond to site 1; c and d refer to site 4.



Fig. 2 Quasi-total concentrations

of metal(loid) in airborne samples from five sites under mine residues influence at Zimapan, Hidalgo. Each point represents the average of 7 samples, each one for every day. Significant differences are shown by an asterisk when comparing PM10 (squares) vs PM2.5 (triangles) in each metal(loid) analyzed (t Student, α = 0.05).





Fig. 3 Bioaccessible concentrations, pulmonary (a) and gastric (b) of metal(loid)s in airborne samples PM10 from five sites with mine residues influence at Zimapan, Hidalgo. Each value represents the average concentration from 7-day sampling in each site.



Fig. 4 Bioaccessible pulmonary concentration extracted with artificial lysosomal fluid (ALF) of airborne samples PM2.5 from five sites influenced by metal mine residues at Zimapan Hidalgo. Each point corresponds to the average concentration of 7-day sampling.



Fig. 5 Principal component analysis for aerosol airborne PM10 and PM2.5 from sites influenced by mine residues at Zimapan Hidalgo. Axis is presented in percentage.