## **Supporting information**

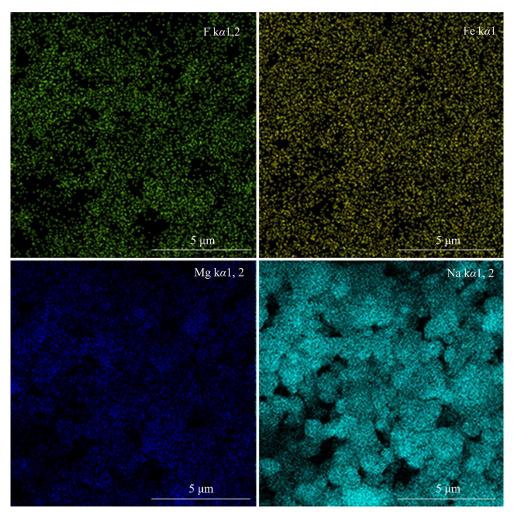


Figure S1 SEM-EDS analysis of heavy metal gypsum residue

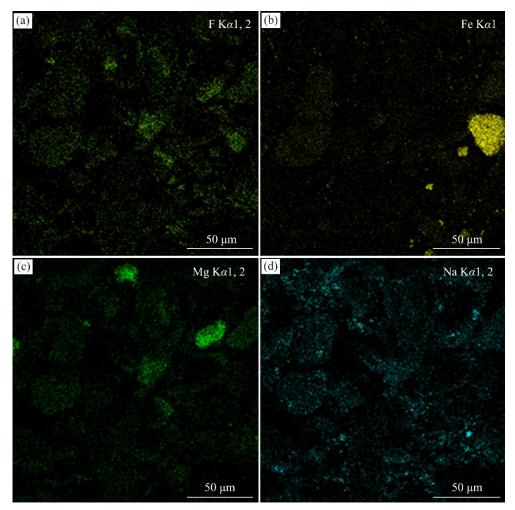


Figure S2 SEM-EDS analysis of zinc - containing fume