

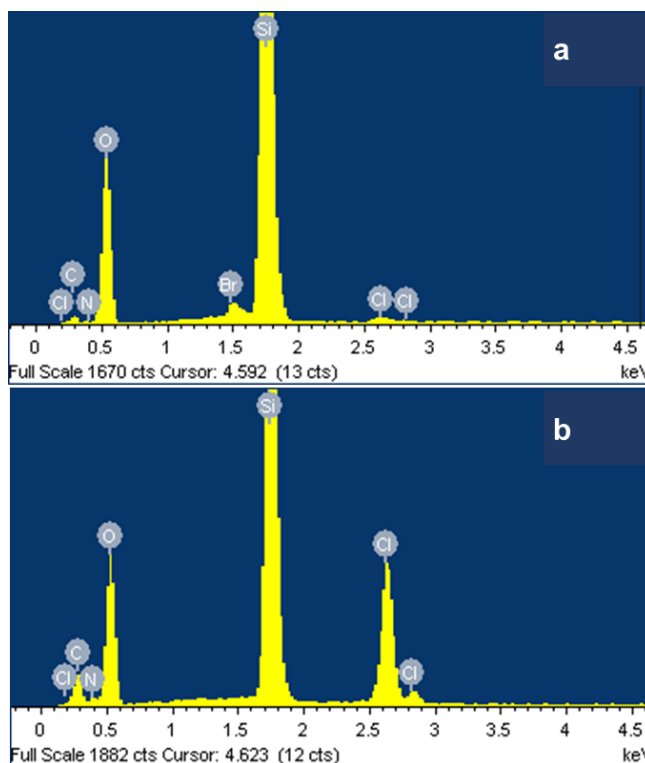
## Electronic Supplementary Information

### Composite materials based on hybrid mesoporous solids for flow through determination of ultratrace levels of Cd(II).

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**Fig.S1** Elemental analysis by EDS before (a) and after (b) surfactant removing with HCl/ ethanol.

**Table S1.** Comparison of efficiency of different MHS-A mix (%MHS-%A). % Recovery. [Cd(II)]: 0,1 ng ml<sup>-1</sup>, sample volume:10ml, eluent [HCL]: 0,5 mol L<sup>-1</sup>, eluent volume :1ml, PCF:10.

| HMS-A mix | Recovery (%) |
|-----------|--------------|
| 0-100     | 50           |
| 70-30     | 65           |
| 90-10     | 100          |
| 100-0     | 100          |