

Supplementary Material

Modeling solid-phase microextraction of volatile organic compounds by porous coatings using finite element analysis

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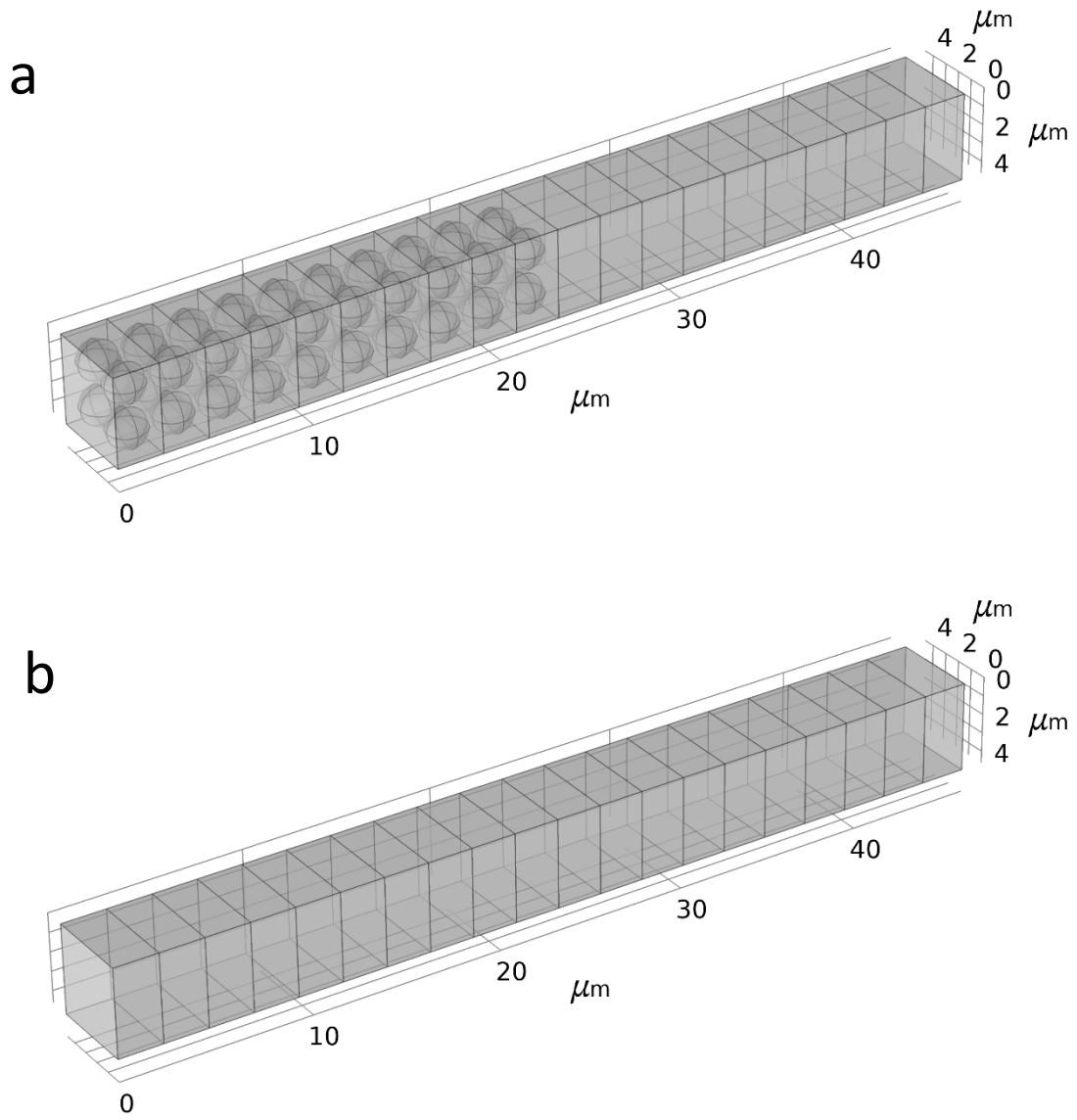


Fig. A.1 Three-dimensional geometries with particles (a) and without particles (b) used to study mass transport of benzene in a cuboid of Car/PDMS coating. *Note:* Ten small blocks from the right side represent air; ten small blocks from the left side represent the 'slice' of coating. Constant benzene concentration of $0.641 \mu\text{mol m}^{-3}$ was set at the right edge of the geometry. Initial concentrations in the remaining parts of the geometry was set to zero.