

Supplementary material

Rapid and high-sensitivity determination of phenylarsine oxide in environmental samples by a new technique: solid phase microextraction followed by corona discharge ion mobility spectrometry

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Table S1. Instrumental parameters for CD-IMS.

Parameter	Setting
Needle voltage	2.0 kV
Target electrode voltage	7.0 kV
Drift electric field	400 V cm ⁻¹
Pressure	ambient
Drift gas flow (N ₂ , 99.99%)	1000 mL min ⁻¹
Carrier gas flow (N ₂ , 99.99%)	400 mL min ⁻¹
Temperature of cell	160 °C
Temperature of injector	210 °C
Ion gate pulse	200 μs
Ion gate voltage	200 V
Ion gate frequency	25 Hz
Number of IMS averages	1

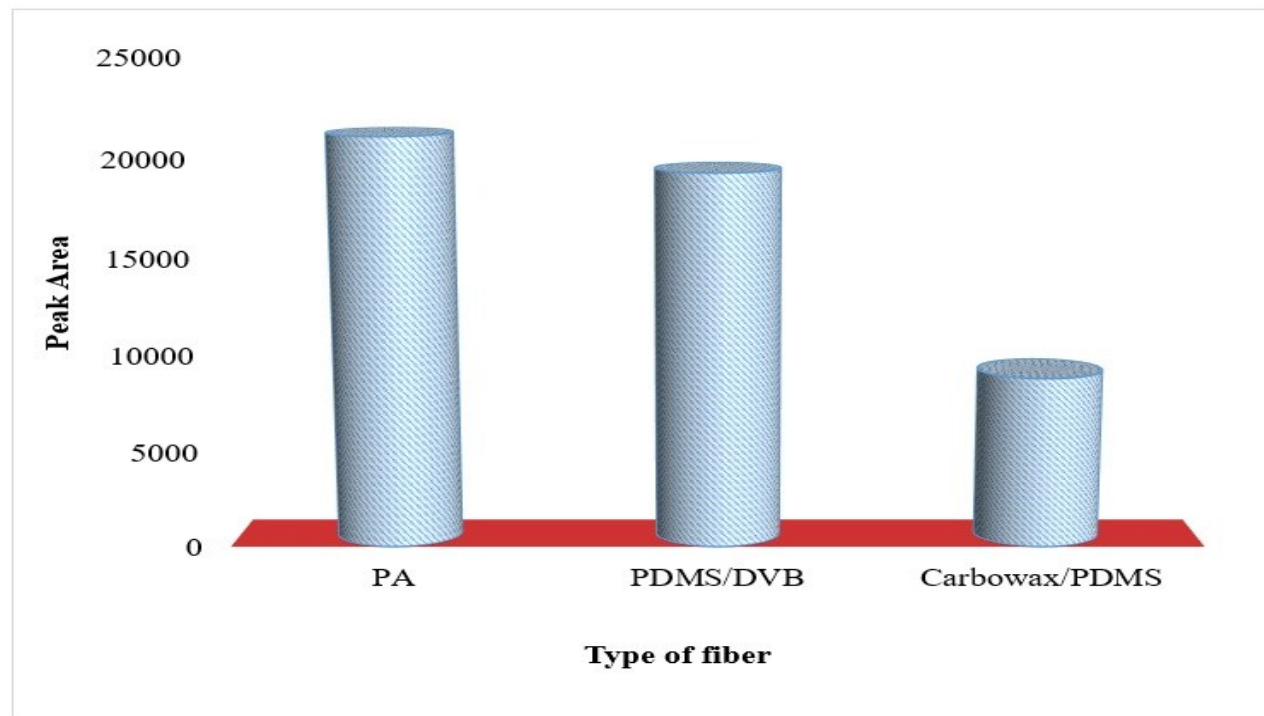


Fig. S1. Optimization of fiber type.