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Supplementary material

Application Complex-GAPI tool for green assessment of deep eutectic solvent-based ferrofluid assisted liquid-liquid microextraction method for detection of dimethyl phthalate in beverage samples

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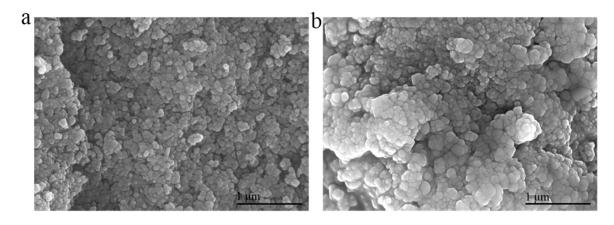


Fig. S1. SEM imaged of $Fe_3O_4@OA$ (a) and ferrofluid (b).

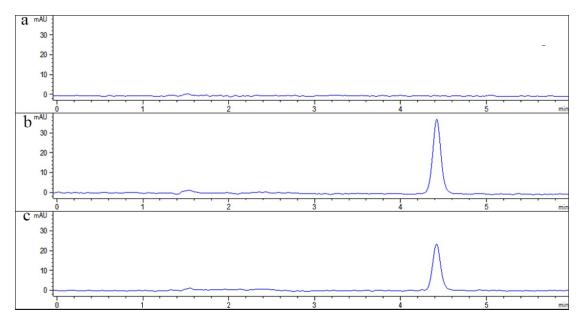


Fig. S2. The chromatograms of the blank solution (a), the standard solution (b), and spiked sample solution (c).

Table S1 The composition and molar ratio of DESs synthesized in this work.

| Component 1 | Component 2 | Molar ratio | Abberviation |
|-------------|---------------|-------------|--------------|
| DL-Menthol | Thymol | 1:2 | DES-1 |
| | Decanoic acid | 1:2 | DES-2 |
| | Octanoic acid | 1:2 | DES-3 |
| | Oleic acid | 1:2 | DES-4 |