Supporting Information for

“Fabrication of magnetic zeolitic imidazolate framework-7 supported graphene oxide for the extraction of fungicides from environmental water and soil samples”



Figure S1. FT-IR spectrum of mag-ZIF-7@GO composite.



Figure S2. Extraction performances of mag-ZIF-7 and mag-ZIF-7@GO.



Figure S3. The mag-ZIF-7@GO MSPE-LC-MS chromatograms of spiked pond water, river water, and soil samples.

Table S1 Chemical structures and LC-MS parameters of the seven fungicides.

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| --- | --- | --- | --- | --- | --- |
| Fungicides | Structural formula | Molecular formula | Precursor ion | Mass (m/z) | pKa (Su et al., 2016) |
| pyrimethanil |  | C12H13N3 | [M+H]+ | 200.11822 | 10.59 |
| triadimenol |  | C14H18ClN3O2 | [M+H]+ | 296.11603 | -a |
| flutriafol |  | C16H13F2N3O | [M+H]+ | 302.10995 | - |
| tebuconazole |  | C16H22ClN3O | [M+H]+ | 308.15242 | 13.7 |
| hexaconazole |  | C14H17Cl2N3O | [M+H]+ | 314.08214 | - |
| diniconazole |  | C15H17Cl2N3O | [M+H]+ | 326.08214 | 12.89 |
| bitertanol |  | C20H23N3O2 | [M+H]+ | 338.18630 | - |

a Not available

Su H., Lin Y., Wang Z., Wong Y.-L. E., Chen X., Chan T.-W. D., Magnetic metal-organic framework-titanium dioxide nanocomposite as adsorbent in the magnetic solid-phase extraction of fungicides from environmental water samples. J. Chromatogr. A 2016, 1466, 21–28.