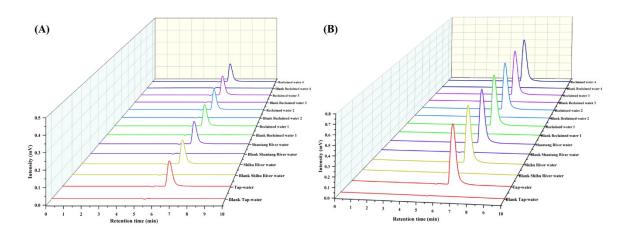
Electronic Supplementary Material (ESI) for New Journal of Chemistry.

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Supplementary Figure Typical chromatograms of *p*-AP in real samples with spiked

concentrations of 1 μ M (A) and 5 μ M (B)

Supplementary Table The detection of p-AP in real water samples by the HPLC method

| Sample | Blank | Spiked | Found | Recovery | RSD (%) |
|-------------------------|-------|-----------|-------------|----------|---------|
| | | (μM) | (μM) | (%) | (n = 3) |
| Tap-water | N.D. | 1 | 1.00 | 100.1% | 1.7 |
| | | 5 | 4.94 | 98.8% | 1.8 |
| | | 30 | Overloading | - | - |
| Shihu River water | N.D. | 1 | 0.99 | 99.7% | 2.1 |
| | | 5 | 4.95 | 98.9% | 2.1 |
| | | 30 | Overloading | - | - |
| Shantang River water | N.D. | 1 | 0.98 | 98.3% | 1.5 |
| | | 5 | 4.88 | 97.6% | 1.7 |
| | | 30 | Overloading | - | - |
| Reclaimed water 1 # | N.D. | 1 | 0.99 | 99.5% | 2.3 |
| | | 5 | 4.82 | 96.3% | 2.1 |
| | | 30 | Overloading | - | - |
| Reclaimed water 2 # | N.D. | 1 | 0.99 | 99.5% | 2.2 |
| | | 5 | 4.70 | 94.0% | 1.8 |
| | | 30 | Overloading | - | - |
| Reclaimed water 3 # | N.D. | 1 | 0.97 | 96.7% | 2.5 |
| | | 5 | 4.71 | 94.1% | 2.2 |
| | | 30 | Overloading | - | - |
| Reclaimed water 4 # | N.D. | 1 | 0.98 | 97.9% | 2.3 |
| | | 5 | 4.75 | 95.0% | 2.2 |
| | | 30 | Overloading | - | - |

Notes: RSDs denote relative standard deviations.