Table S1. The average values for precision, reproducibility, accuracy, linearity, LOQ and LOD for PAH method validation.

| PAHs | Precision (%) | Reproducibility (%) | Accuracy (%) | Linearity ($r^2$) | LOQ (µg/kg) | LOD (µg/kg) |
|------|--------------|---------------------|--------------|-------------------|-------------|-------------|
| Nap  | 11.3         | 6.33                | 95.0         | 0.99853           | 1.20        | 0.30        |
| Anl  | 7.91         | 7.82                | 99.0         | 0.99672           | 1.30        | 0.29        |
| Ane  | 8.52         | 8.32                | 99.3         | 0.99768           | 1.05        | 0.32        |
| Flu  | 2.82         | 10.2                | 100          | 0.99792           | 1.11        | 0.30        |
| Ant  | 3.53         | 3.73                | 98.7         | 0.99603           | 1.10        | 0.30        |
| Phen | 4.31         | 11.4                | 85.9         | 0.99847           | 1.18        | 0.35        |
| FIt  | 3.61         | 3.72                | 95.3         | 0.99787           | 1.15        | 0.30        |
| BaA  | 9.44         | 8.6                 | 89.7         | 0.99825           | 1.30        | 0.37        |
| Pyr  | 4.74         | 6.91                | 91.1         | 0.99792           | 1.21        | 0.32        |
| Chry | 5.33         | 8.20                | 92.5         | 0.99810           | 1.13        | 0.34        |
| BbF  | 8.52         | 14.3                | 86.4         | 0.99408           | 1.30        | 0.36        |
| BkF  | 3.51         | 3.32                | 94.3         | 0.99796           | 1.21        | 0.32        |
| BaP  | 3.23         | 3.81                | 96.8         | 0.99871           | 2.00        | 0.53        |
| DahA | 8.72         | 11.3                | 91.2         | 0.99534           | 1.99        | 0.51        |
| BghiP| 9.71         | 11.3                | 81.5         | 0.99781           | 1.90        | 0.45        |
| InP  | 9.51         | 10.3                | 85.3         | 0.99524           | 1.91        | 0.53        |
| min  | 2.82         | 3.32                | 81.5         | 0.99853           | 1.05        | 0.30        |
| max  | 11.3         | 14.3                | 100          | 0.99672           | 1.81        | 0.50        |

($r^2$) — Coefficient of determination; Nap—naphthalene; Anl—acenaphthylene; Ane—acenaphtene; Flu—fluorene; Ant—anthracene; Phen—phenanthrene; FIt—fluoranthene; BaA—benzo[a]anthracene; Pyr—pyrene; Chry—chrysene; BbF—benzo[b]fluoranthene; BkF—benzo[k]fluoranthene; BaP—benzo[a]pyrene; DahA—dibenzo[a,h]anthracene; BghiP—benzo[g,h,i]-perylene; InP—indeno[1,2,3-cd]pyrene; LOD—limit of detection; LOQ—limit of quantification.