

1 **Supplementary Information**

2 **Sorption modelling and spectroscopic investigation of 2,4-D sorption in soil amended**
3 **with pine sawdust, paunch grass and sewage sludge biochars**

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18 Table S1. **Concentrations of chromium (Cr), copper (Cu), zinc (Zn), arsenic (As), cadmium**
19 **(Cd), mercury (Hg) and lead (Pb) detected in biochars in mg kg⁻¹**

| Biochar | Cr | Cu | Zn | As | Cd | Hg | Pb |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| PSD | 15.7 | 46.9 | 148 | 0.35 | 0.35 | 0.01 | 3.72 |
| PG | 24.8 | 6.58 | 657 | 0.34 | 0.15 | 0.04 | 15.1 |
| SS | 21.5 | 26.6 | 56.4 | 0.15 | 0.02 | 0.06 | 0.51 |

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