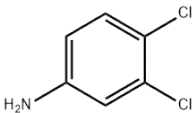
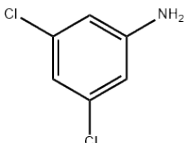


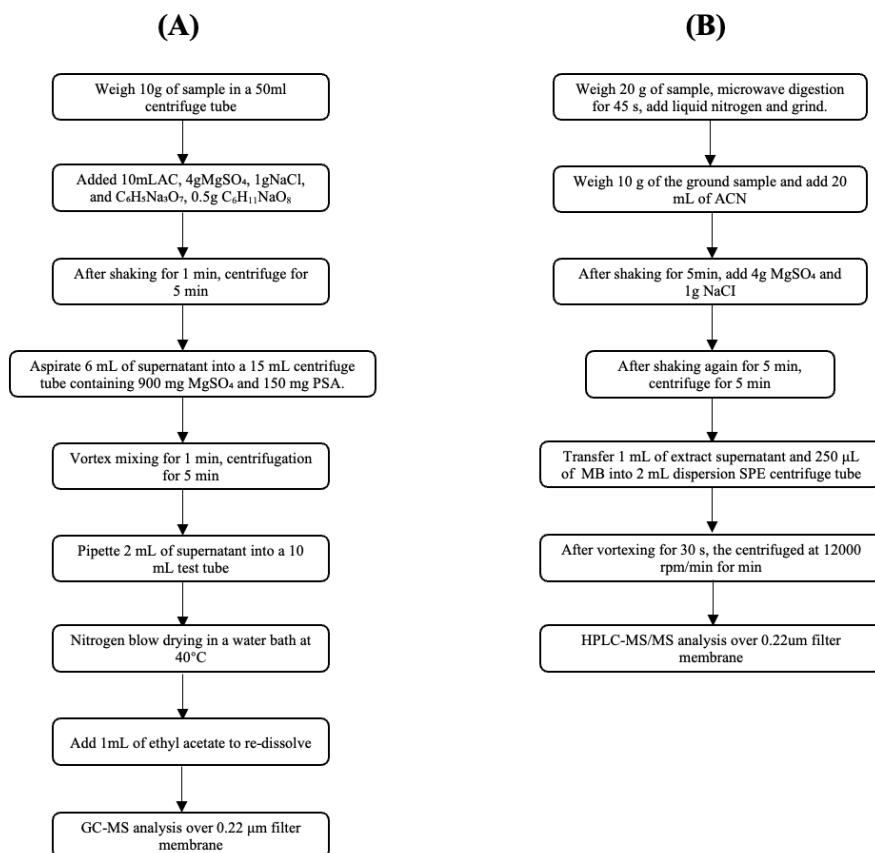
## Supplementary Materials

**Table S1.** The primary physico-chemical properties of 3, 4-DCA and 3, 5-DCA.

Compound name	Molecule	Molecular formula	Molecular weight	Melting point (°C)	Boiling point (°C)	Solubility in water (g/L)
3,4-DCA		C <sub>6</sub> H <sub>5</sub> Cl <sub>2</sub> N	162.02	69-71	272	0.6
3,5-DCA		C <sub>6</sub> H <sub>5</sub> Cl <sub>2</sub> N	162.02	46-52	260	0.6

**Table S2.** The MS/MS parameters of two DCAs.

Compound	Cone voltage (V)	Precursor Ion /(m/z)	Quantitative ion /(m/z)	Collision energy /eV	Qualitative ion /(m/z)	Collision energy /eV
3,4-DCA	115	163.03	128.0	20	75.1	60
3,5-DCA	115	163.03	128.0	20	75.1	60



**Figure S1.** QuEChERS method in GB 23200.113 (A) and the optimized QuEChERS method in this study (B)