Supporting information:

Two-step synthesis, structure and adsorption property of a novel zinc phosphonocarboxylate framework

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Figure S1. TGA curve of as-synthesized compounds 1-2a
Figure S2. PXRD patterns of as-synthesized compound 1 and the simulation from single crystal structure.

Figure S3. PXRD patterns of as-synthesized compound 2, the simulation from single crystal structure and calcined 2 at 100 °C.
Figure S4. PXRD patterns of as-synthesized compound 2a and the simulation from single crystal structure.