

## Supplementary Information

# Guest-Dependent Halogen-Bonded Host Frameworks Based on the Tetrabromoterephthalic Acid as Molecular Building Blocks

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Table S1. Hydrogen bond geometry (Å, °) for **1**<sub>MeCN</sub> and **2**<sub>MeOH</sub>.

D–H...A	<i>d</i> [D–H] (Å)	<i>d</i> [H...A] (Å)	<i>d</i> [D...A] (Å)	∠[C–Br...X] (°)
<b>1</b> <sub>MeCN</sub>				
O1–H1...N1	0.82(2)	1.97(2)	2.776(5)	170(6)
C6–H6c...O2 <sup>(i)</sup>	0.96	2.48	3.189(5)	131
<b>1</b> <sub>MeOH</sub>				
O1–H1...O5	0.82(2)	1.79(2)	2.603(6)	175(8)
O1–H1...O5 <sup>(i)</sup>	0.82(2)	1.71(2)	2.537(5)	179(10)
O5–H5...O4 <sup>(ii)</sup>	0.82(2)	2.07(4)	2.830(6)	155(8)
O5–H6...O2 <sup>(iii)</sup>	0.82(2)	1.95(3)	2.741(6)	168(10)

Symmetry codes: (i)  $-x, 1 - y, 2 - z$ ; (ii)  $x + 1, y, z$ ; (iii)  $x - 1, y, z$ .