

SUPPLEMENTARY MATERIAL TO  
**Xylose dehydration to furfural using niobium doped  $\delta$ -FeOOH as catalyst**

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TABLE S-I. Positions of xylose on materials for adsorption study

	View under plane X 	View under plane Z 	Xylose Coordinates (VESTA)
I Route 1			Positioning Place (x,y,z) of this layer at (x,y,z) of layer 0 : This layer: 0 0 0      Global coordinate system: 7.8 4.5 12.75 Orientation Align orientation of this layer with respect to layer 0 : This layer: [u v w] 1 0 0      Global coordinate system: [u v w] 1 0 5 (h k l) 0 0 1      (h k l) 0 0 3
II Route 1			Positioning Place (x,y,z) of this layer at (x,y,z) of layer 0 : This layer: 0 0 0      Global coordinate system: 8 8.5 13 Orientation Align orientation of this layer with respect to layer 0 : This layer: [u v w] 1 0 0      Global coordinate system: [u v w] 1 -2 5 (h k l) 1 0 -1      (h k l) 0 0 3

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