SUPPORTING INFORMATION

Swellable Organically-Modified Silica (SOMS) as a Catalyst Scaffold for Catalytic Treatment of Water Contaminated with Trichloroethylene

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Supporting Information

Table S1. Pd K-edge EXAFS fitting results for pre-reduction and post-reduction samples of 1%Pd/Al_2O_3 and 1%Pd/SOMS (k^2: Δk=2.8 - 9.6 Å^{-1}, ΔR=1-3 Å; N± 10%, R±0.02 Å)

Sample		XANES Energy, keV	Scatter	N	R, Å	$\Delta\sigma^2$ (10^3)	Eo, eV
1%Pd/Al_2O_3	Pre-Reduction	24.3539	Pd-O	3.8	2.05	0.5	-0.5
	Post-Reduction	24.3508	Pd-Pd	8.8	2.83	1.0	-1.2
1%Pd/SOMS	Pre-Reduction	24.3540	Pd-O	3.7	2.04	0.5	-0.5
	Post-Reduction	24.3513	Pd-Pd	5.6	2.78	7.0	-3.9
			Pd-O	0.7	2.03	2.0	-1.5

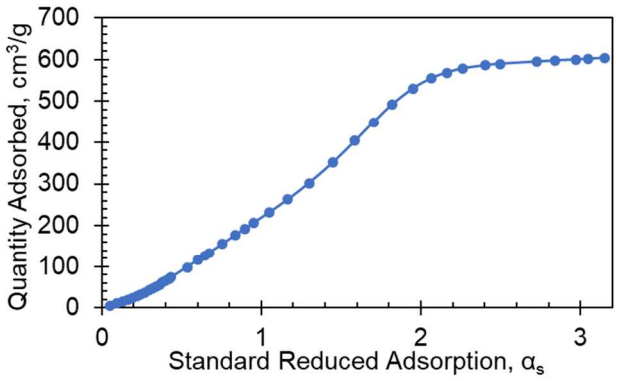

Figure S1. α_s-plot of SOMS with respect to a macroporous reference LiChrospher Si-1000

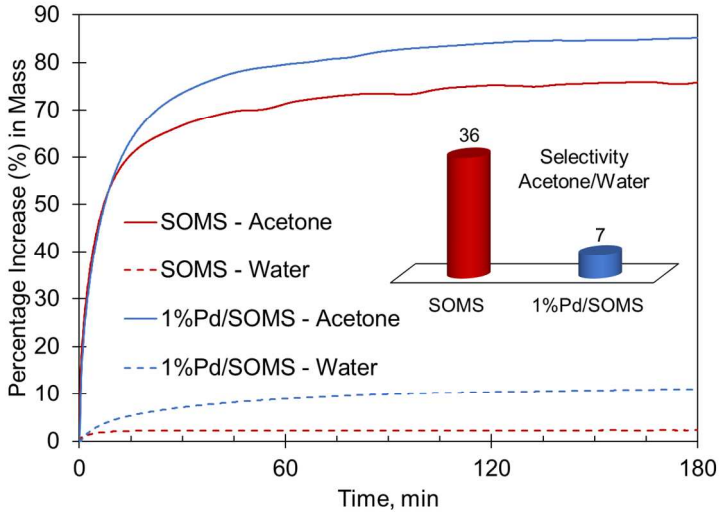

Figure S2. Adsorption of acetone and water on SOMS and 1%Pd/SOMS. Inset: The ratio of acetone uptake to water uptake on SOMS and 1%Pd/SOMS