

Supplementary Information

Table S1. Reaction conditions for various measurement periods for the Rh/SiO₂ and Rh/MCM-41 catalysts.

Catalyst	Period	Catalyst red. temperature (°C)	H ₂ /CO	H ₂ O/H ₂	Reaction temperature (°C)	Pressure (bar)	GHSV (ml/g h)
Rh/SiO ₂	A	370	2/1	-	280	20	12000
	B	500	2/1	-	300	30	6000
	C	200	2/1	-	350	90	13000
	D	non-reduced	2/1	-	300	90	6000
	E	non-reduced	1/1	-	300	30	6000
	F	370	1/1	-	280	20	6000
	G	370	2/1	1/2.7	280	20	6000
Rh/ MCM-41	A'	370	2/1	-	280	20	3000
	B'	500	2/1	-	300	30	6000
	C'	500	2/1	-	380	60	6000
	D'	500	2/1	-	380	60	3000
	E'	200	2/1	-	400	90	15000
	F'	370	1/1	-	280	20	3000
	G'	No reduced	1/1	-	350	90	19000
	H'	370	2/1	1/1.5	280	20	3000

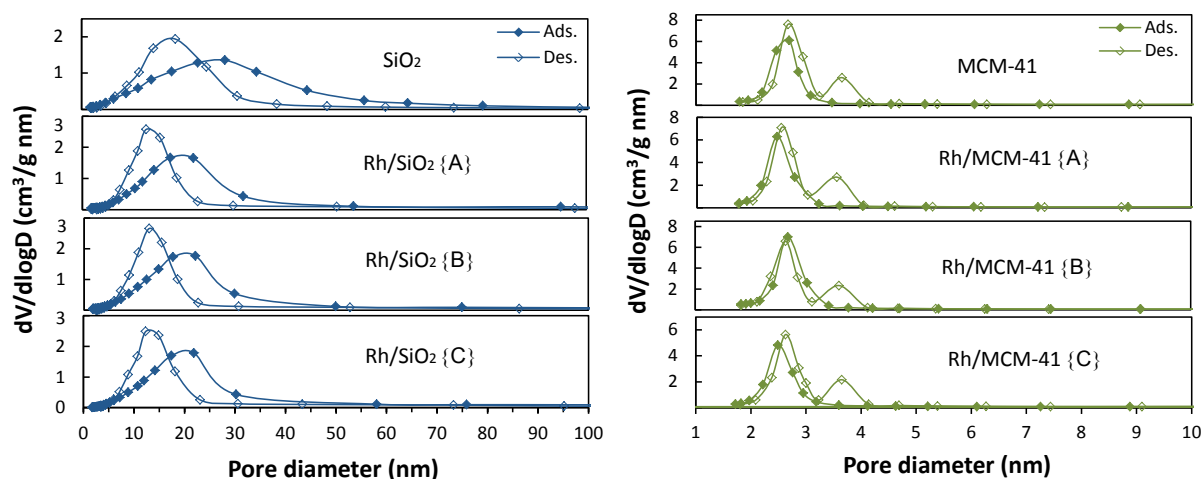


Figure S1. Pore size distribution of pure supports SiO₂ and MCM-41, impregnated with Rh (A), after catalytic testing (B), and after catalytic testing with addition of water (C). Catalytic testing at same conditions as indicated in Table 3.