

Supplementary Material

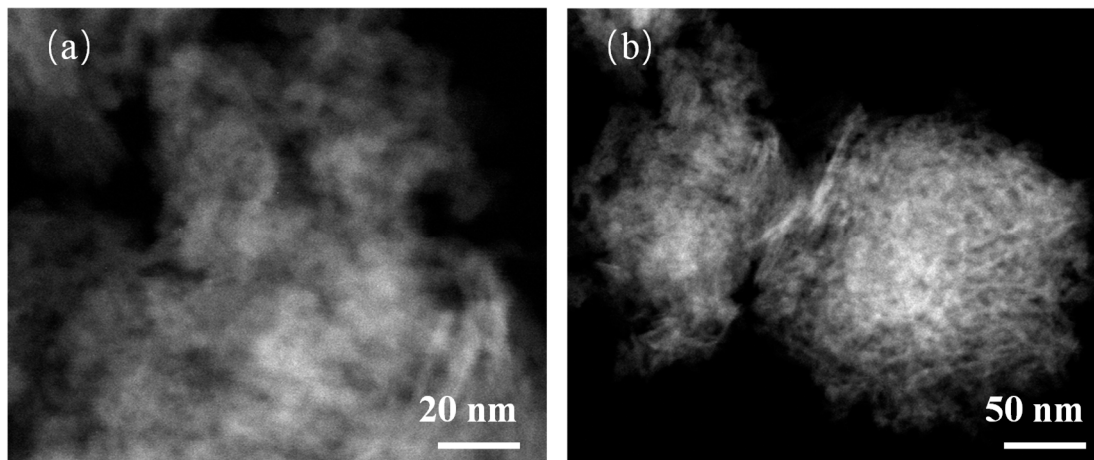


Figure S1. The SEM images of mesoporous alumina support.

Hydrogen-ignited-methanol catalytic co-combustion with aromatic volatile organic compounds over PtPd/Al₂O₃ bimetallic catalyst

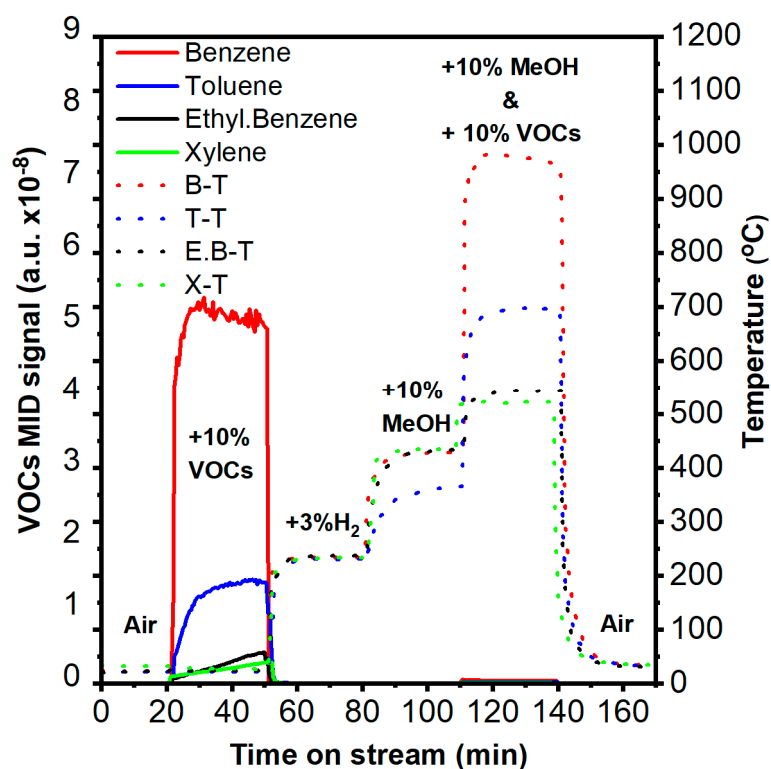


Figure S2. VOCs conversion curves and the corresponding catalyst bed temperature profiles of various VOCs with co-combustion of +10 MeOH started with 3% H₂ ignition over 0.5 g PdPt/Al₂O₃ catalyst.

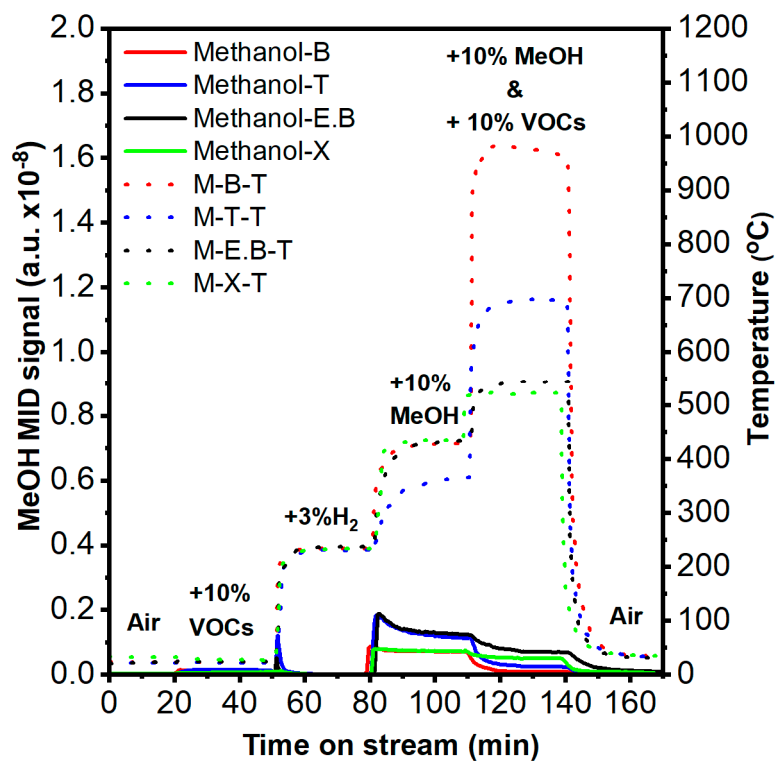


Figure S3. MeOH conversion curves and the corresponding catalyst bed temperature profiles of various VOCs with co-combustion of +10 MeOH started with 3% H_2 ignition over 0.5 g PdPt/ Al_2O_3 catalyst.