

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
572	m-Xylene	$\text{H}^\bullet + \text{C}_6\text{H}_4(\text{CH}_3)_2 \longrightarrow 1,3\text{-C}_6\text{H}_5(\text{CH}_3)_2$	1	2.6×10^9	p.r.; P.b.k. in soln. contg. 0.1-0.5 mol L ⁻¹ tert-BuOH and HClO ₄ .	751009