

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
81	Hexamethylbenzene	$\text{O}^{\cdot-} + \text{C}_6(\text{CH}_3)_6 \longrightarrow \text{OH}^- + \text{C}_6(\text{CH}_3)_5(\text{CH}_2)$	13	$\sim 2.5 \times 10^9$	p.r.; P.b.k. at 270 nm in N ₂ O-satd. soln. contg. 0.5 mol L ⁻¹ NaOH.	751009