

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
103	Pentamethylbenzene	$\text{O}^{\cdot -} + \text{C}_6\text{H}(\text{CH}_3)_6 \longrightarrow \text{OH}^- + \text{C}_6\text{H}(\text{CH}_3)_5(\text{CH}_2)$	~ 13	2.6×10^9	p.r.; P.b.k. at 269 nm in N ₂ O-satd. soln. contg. 0.5 mol L ⁻¹ NaOH.	751009