

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
56	tert-Butylbenzene	$\text{O}^{\cdot -} + \text{C}_6\text{H}_5\text{C}(\text{CH}_3)_3 \longrightarrow \text{OH}^- + \text{C}_6\text{H}_5\text{C}(\text{CH}_3)_2\text{C}^{\cdot}\text{H}_2$	13.6	$\sim 1 \times 10^9$	p.r.; P.b.k. in N ₂ O-satd. soln. contg. 0.6 mol L ⁻¹ NaOH.	79B128