

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
73	Ethylbenzene	$\text{O}^{\cdot -} + \text{C}_6\text{H}_5\text{C}_2\text{H}_5 \longrightarrow \text{OH}^{\cdot -} + \text{C}_6\text{H}_5\text{C}^{\cdot}\text{HCH}_3$	13.6	$\sim 2 \times 10^9$	p.r.; P.b.k. in N2O-satd. soln. contg. 0.6 mol L ⁻¹ NaOH.	79B128