

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
133	1,2,4-Trimethylbenzene	$\text{O}^{\cdot -} + \text{C}_6\text{H}_3(\text{CH}_3)_3 \longrightarrow \text{OH}^- + \text{C}_6\text{H}_3(\text{CH}_3)_2(\text{C}^{\cdot}\text{H}_2)$	13	2.1×10^9	p.r.; P.b.k. at 266 nm in N ₂ O-satd. soln. contg. 0.5 mol L ⁻¹ NaOH.	751009