

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
530	1,2,4,5-Tetramethylbenzene	$\text{H}^\bullet + \text{C}_6\text{H}_2(\text{CH}_3)_4 \longrightarrow \text{C}_6\text{H}_3(\text{CH}_3)_4$	1	2.8×10^9	p.r.; P.b.k. in soln. contg. 0.1–0.5 mol L ⁻¹ tert-BuOH and HClO ₄ .	761009