

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
121	1,2,4,5-Tetramethylbenzene	$\text{O}^{\cdot -} + \text{C}_6\text{H}_2(\text{CH}_3)_4 \longrightarrow \text{OH}^- + \text{C}_6\text{H}_2(\text{CH}_3)_3(\text{CH}_2\cdot)$	13	$2.3 \times 10^9$	p.r.; P.b.k. at 271 nm in N <sub>2</sub> O-satd. soln. contg. 0.5 mol L <sup>-1</sup> NaOH.	751009