

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
101	4-Nitrotoluene	$\text{O}^{\bullet-} + \text{CH}_3\text{C}_6\text{H}_4\text{NO}_2 \longrightarrow \text{OH}^- + \text{p-NO}_2\text{C}_6\text{H}_4\text{CH}_2$	14	$7.6 \times 10^8$	p.r.; P.b.k.; cor. for ·OH; $k_{obs} = 8 \times 10^8$ ; 92%; H abstr.	751002