

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
547	Toluene	$\text{H}^\cdot + \text{C}_6\text{H}_5\text{CH}_3 \longrightarrow \text{C}_6\text{H}_5\text{CH}_3^\cdot$	3	$2.6 \times 10^9$	p.r.; P.b.k.; methanol as OH scavenger; cor. for $k(\text{H} + \text{MeOH})$ .	670246