

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
995	Nitrobenzene	$\cdot\text{OH} + \text{C}_6\text{H}_5\text{NO}_2 \longrightarrow \text{HOC}_6\text{H}_5\text{NO}_2$	7	$3.2 \times 10^9$	p.r.; P.b.k. at 410 nm; cor. for (OH + OH) and (H + aromatic).	680304
				$4.7 \times 10^9$	p.r.; P.b.k. at 410 nm.	670458
				$3.5 \times 10^9$	p.r.; C.k.; rel. to $k(\cdot\text{OH} + \text{SCN}^-)$	670458