

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Con
353	Benzene	$\cdot\text{OH} + \text{PhH} \longrightarrow \text{C}_6\text{H}_6\text{OH}$		7.8×10^9	Ave
		7	7.8×10^9	p.r.; P.b.k. at 512 nm in soln. contg. 10^{-3} mol L ⁻¹ N ₂ O.	771
			8.2×10^9	p.r.; C.k.; k lowered in presence of surfactants; rel. to $k(\cdot\text{OH} + \text{SCN}^-)$.	710
		7.0	7.5×10^9	p.r.; C.k.; obs. formn. of PNBA^- -OH adduct at 415 nm; rel. to $k(\cdot\text{OH} + \text{PNBA}^-)$.	700