No.	Compound name	Reaction equation	рН	Rate constant $(L \operatorname{mol}^{-1} \operatorname{s}^{-1})$	Comments	Reference
190	Acrylonitrile	$H^{\bullet} + H_2C = CHCN \longrightarrow CH_3\dot{C}HCN$	1	2.2×10^{9b}	p.r.; esr; Calcd. from time profile of H in deaerated soln. contg. various solute concns. and 10^{-2} mol $\rm L^{-1}$ tert-BuOH.	83A153
			~ 1	3.9×10^{9b}	p.r.; C.k.; soln. cont. 0.05 mol L ⁻¹ HClO ₄ ; product identified by opt. and esr spectra; rel. to $k(H^{\bullet} + Fe(CN)_6^{3-})$.	79A144