No.	Compound name	Reaction equation	pH	Rate constant $(\text{L mol}^{-1}\,\text{s}^{-1})$	Comments	Reference
61	Hypochlorite	$e_{aq}^{-} + \text{ClO}^{-} \longrightarrow \text{O}^{\bullet-} + \text{Cl}^{-}$		7.2×10^9	Average of 2 values.	
			9.2	7.3×10^9	p.r.; D.k. at 700 nm in soln. contg. 10^{-2} mol L^{-1} borax and 1.6×10^{-4} mol L^{-1} ClO^{-1}; $k_{\text{obs}} = 9.8 \times 10^9$; k cor. for I.	87A902
			10.2	7.0×10^9	p.r.; D.k.; counterion Na^+; at $I = 10^{-3}$, $k_{\text{obs}} = 7.2 \times 10^9$; k cor. for I.	680295