

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
1268	Nitromethane	$\text{e}_{\text{aq}}^- + \text{CH}_3\text{NO}_2 \longrightarrow \text{CH}_3\text{NO}_2^-$		$2.2 \times 10^{10}$	Average of 2 values.	
				$2.2 \times 10^{10}$	p.r.; D.k. at 720 nm; <i>k</i> unchanged in sodium dodecyl sulfate soln.	731004
			7	$2.1 \times 10^{10}$	p.r.; D.k. at 720 nm.	660800