

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
1052	Phenethyl alcohol	. OH + C <sub>6</sub> H <sub>5</sub> CH <sub>2</sub> CH <sub>2</sub> OH →		6.4 × 10 <sup>9</sup>	Average of 2 values.	
				5.8 × 10 <sup>9</sup>	p.r.; C.k.; rel. to $k(\text{.OH} + \text{Fe}(\text{CN})_6^{4-})$ .	731077
				7.0 × 10 <sup>9</sup>	p.r.; C.k.; rel. to $k(\text{.OH} + \text{SCN}^-)$	731077