| No. | Compound name   | Reaction equation   | рН                        | Rate constant $(L \operatorname{mol}^{-1} \operatorname{s}^{-1})$                                    | Comments   | Reference                            |
|-----|-----------------|---|---------------------------|--|--|--------------------------------------|
| 16  | Carbon monoxide | $^{\circ}\mathrm{OH} + \mathrm{CO} \longrightarrow ^{\circ}\mathrm{CO}_{2}\mathrm{H}$ | $\sim 1$ $\sim 1$ 0.4-0.7 | $2.0 \times 10^{9  b}$<br>$1.2 \times 10^{9  b}$<br>$1.3 \times 10^{9  b}$<br>$7.9 \times 10^{8  b}$ | phot.; C.k.; rel. to $k(\text{`OH} + H2O2)$ .<br>$\gamma$ -r.; C.k.; rel. to $k(\text{`OH} + Fe^{2+})$ .<br>Fenton; C.k.; rel. to $k(\text{`OH} + Fe^{2+})$ .<br>Fenton; C.k.; rel. to $k(\text{`OH} + Fe^{2+})$ . | 697045<br>830014<br>570014<br>570014 |