

| No. | Compound name | Reaction equation   | pH   | Rate constant<br>(L mol <sup>-1</sup> s <sup>-1</sup> ) | Comments  | Reference |
|-----|---------------|---|------|---|---|-----------|
| 130 | p-Tolunitrile | O <sup>•-</sup> + CH <sub>3</sub> C <sub>6</sub> H <sub>4</sub> CN<br>CNC <sub>6</sub> H <sub>4</sub> C <sup>•</sup> H <sub>2</sub> |      | 1.0 × 10 <sup>9</sup>                                   | Average of 2 values.  |           |
|     |               |   | 13.6 | 1.2 × 10 <sup>9</sup>                                   | p.r.; P.b.k. at 275 nm in soln. contg. 0.6 mol L <sup>-1</sup> NaOH.                      | 79A350    |
|     |               |   | 14   | 8.8 × 10 <sup>8</sup>                                   | p.r.; P.b.k.; cor. for ·OH; <i>k<sub>obs</sub></i> = 9.2 × 10 <sup>8</sup> ; 90% H abstr. | 751002    |