

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
322	Pentacarbonatoneptunate(IV) ion	e <sub>aq</sub> <sup>-</sup> + Np(CO <sub>3</sub> ) <sub>5</sub> <sup>6-</sup> →		5 × 10 <sup>9</sup>	p.r.; D.k. in Ar-satd. soln. contg. 0.1 mol L <sup>-1</sup> HClO <sub>4</sub> , 0.025 mol L <sup>-1</sup> H <sub>2</sub> SO <sub>4</sub> , and 0.1-4 mol L <sup>-1</sup> K <sub>2</sub> CO <sub>3</sub> . Calcd. <i>k</i> = 1.3 × 10 <sup>8</sup> for <i>I</i> = 0 [751177].	741170