

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )
165	Uranyl(VI) Ion	$\text{H}\cdot + \text{UO}_2^{2+} \longrightarrow \text{H}^+ + \text{UO}_2^+$	$\sim 0$	$4.1 \times 10^7$
				p.r.; C.k. in soln. contg. 1 mol L <sup>-1</sup> HClO <sub>4</sub> , 5 × 10 <sup>-4</sup> mol L <sup>-1</sup> BzOH and 0.2 mol L <sup>-1</sup> <i>tert</i> -BuO