

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
4	Arsenous(III) acid	$\cdot\text{OH} + \text{HAsO}_2 \longrightarrow \text{As(IV)}$	1	$1.8 \times 10^9$	p.r.; Obs G(As <sup>V</sup> ) and G(H <sub>2</sub> O <sub>2</sub> ); data fitting assuming $k(\text{H} + \text{As}^{\text{IV}}) = 7 \times 10^8$ ; 0.4 mol L <sup>-1</sup> H <sub>2</sub> SO <sub>4</sub> .	750217
			1-3		$1 \times 10^9$	C.k.; in soln. co