

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
226	Benzenesulfonate Ion	$\text{H}^\bullet + \text{C}_6\text{H}_5\text{SO}_3^- \longrightarrow \text{C}_6\text{H}_5\text{SO}_3^-$	<div>7.9 × 10<sup>8</sup> 1 8-9</div>	<div>Average of 2 values. 8.2 × 10<sup>8</sup> 6.4 × 10<sup>8</sup></div>		<div>p.r.; P.b.k. CD<sub>3</sub> γ-r.; C.k.; rel. to</div>