

PChem HW 9

10.2 Gibbs energy of solvations for ions must be measured relatively. the standard is H^+ and so the most 'convenient' reaction would involve measuring the solvation of HCl .

Q 10.9 According to eq 10.32 $\ln \gamma_{\pm}$ goes down as \sqrt{I} increases which decreases α_{\pm} and decreases μ_{solute} from eq. 10.23. The lower chemical potential in the solute decreases the mole fraction of the solute