beta-Cyclodextrin Titrations 1.0 Trans-4-Methylcyclohexanol: $-5.5 \pm 0.2 \ kcal \ mol^{-1}$ ---- M-Cresol: $-3.5 \pm 0.2 \ kcal \ mol^{-1}$ P-Cresol: $-3.4 \pm 0.1 \ kcal \ mol^{-1}$ Cycloheptanol: $-5.4 \pm 0.2 \ kcal \ mol^{-1}$ Aniline: $-2.6 \pm 0.1 \ kcal \ mol^{-1}$ Cyclooctanol: -5.2 ± 0.1 kcal mol⁻¹ Benzaldehyde: $-2.5 \pm 0.1 \ kcal \ mol^{-1}$ Cis-4-Methylcyclohexanol: $-5.2 \pm 0.1 \ kcal \ mol^{-1}$ 2-Butanol: $-2.5 \pm 0.1 \ kcal \ mol^{-1}$ 1-Methylcyclohexanol: $-4.7 \pm 0.1 \ kcal \ mol^{-1}$ 0.8 Cyclobutanol: -2.4 ± 0.1 kcal mol⁻¹ Cyclopentanol: $-4.2 \pm 0.2 \ kcal \ mol^{-1}$ 2-Propanol: $-1.9 \pm 0.1 \ kcal \ mol^{-1}$ Benzothiazole: $-4.2 \pm 0.0 \ kcal \ mol^{-1}$ 1-Propanol: $-1.6 \pm 0.2 \ kcal \ mol^{-1}$ Thianaphthene: $-3.9 \pm 0.1 \ kcal \ mol^{-1}$ Acetone: $-1.1 \pm 0.1 \ kcal \ mol^{-1}$ 4-Fluorophenol: $-3.7 \pm 0.1 \ kcal \ mol^{-1}$ Occupancy 90 Ethanol: $-0.7 \pm 0.1 \ kcal \ mol^{-1}$ Quinoline: $-3.7 \pm 0.1 \ kcal \ mol^{-1}$ Acetaldehyde: 0.1 ± 0.1 kcal mol⁻¹ Benzonitrile: $-3.7 \pm 0.1 \ kcal \ mol^{-1}$ Site 0.4 0.2 0.0 - 10⁻⁷ 10^{-5} 10-3 10^{-1} 10^{1} Ligand Concentration / M