

Inversion of Sucrose

Name(s) _____

Attach the final curve fit plots:

HCl catalyzed:

$\alpha_0 - \alpha_\infty$ _____ \pm _____

k _____ \pm _____ units _____

α_∞ _____ \pm _____

Fit parameter correlations:

between $(\alpha_0 - \alpha_\infty)$ and k _____

between $(\alpha_0 - \alpha_\infty)$ and α_∞ _____

between k and α_∞ _____

Monochloroacetic acid catalyzed:

Three parameter fit:

$\alpha_0 - \alpha_\infty$ _____ \pm _____

k _____ \pm _____

α_∞ _____ \pm _____

Fit parameter correlations:

between $(\alpha_0 - \alpha_\infty)$ and k _____

between $(\alpha_0 - \alpha_\infty)$ and α_∞ _____

between k and α_∞ _____

Two parameter fit:

$\alpha_0 - \alpha_\infty$ _____ \pm _____

k _____ \pm _____

α_∞ _____ (fixed)

Fit parameter correlation:

between $(\alpha_0 - \alpha_\infty)$ and k _____

Order with respect to $[H^+]$:

pK_a (monochloroacetic acid) _____

$[H^+]$ (monochloroacetic acid) _____

order with respect to $[H^+]$ _____ \pm _____

(which monchloroacetic acid k did you use? _____)