

CHEM 210

Heats of Neutralization (in kJ/mol)

Student Number	HCl / NaOH	CH₃COOH / NaOH	HCl / NH₄OH	CH₃COOH / NH₄OH
1	-56.8	-54.4	-57.3	-54.4
2	-62.3	-58.6	-58.6	-54.4
3	-67.6	-64.5	-60.3	-58
4	-50.1	-53.2	-49.2	-41.2
5	-62.6	-60.2	-57.7	-52.9
6	-67.7	-64	-65.8	-62.6
7	-58.6	-60.4	-51.4	-51.4
8	-62.8	-52.9	-51	-50
9	-65.4	-64.9	-61.8	-56.2
AVERAGE	-61.5	-59.2	-57.0	-53.5
Standard Deviation	5.6	4.8	5.5	5.9