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# Cl/Si vs Al/Si-plots

These are the plots and regression lines which were used to determine the Cl/Al-ratio of the AFm. For each of these samples the regression line is given by **y = ax + b**, where **a** is the Cl/Al ratio.

## HCl-samples



## NaCl and CaCl2-isotherm samples



# S/Si vs Ca/Si-plots



# S/Ca vs Si/Ca-plots for some HCl-samples





# Correlation of chloride concentration from ICP-MS and titration

This figure shows the correlation between the chloride concentrations of the exposure solution measured via ICP-MS and titration.



# Molar composition of exposure solution of HCl-samples

Using the total volume of the exposure solution calculated while accounting for dissolution, the absolute molar amount of each element in the solutions were found.

