

Supplementary Materials

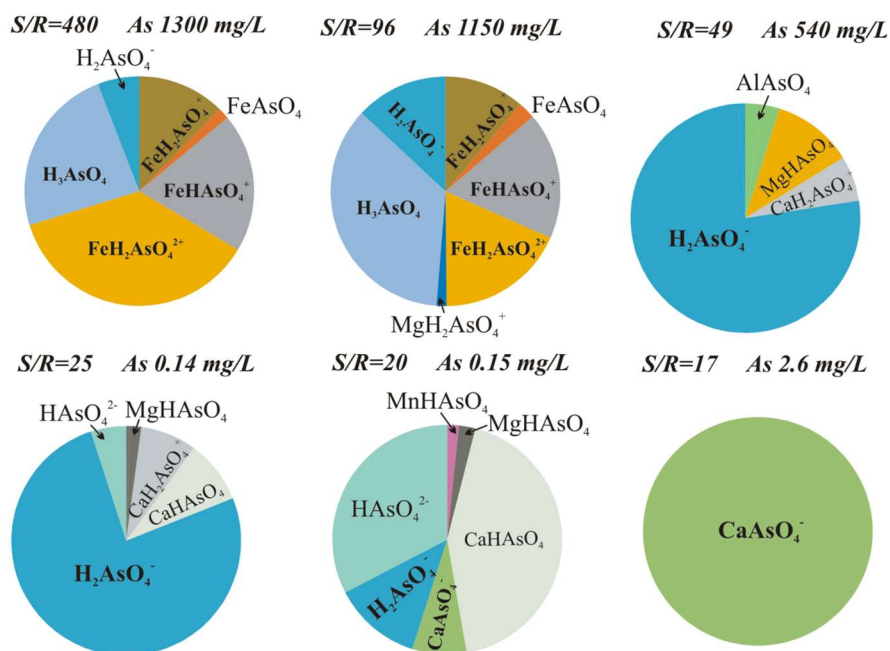


Figure S1. Changes in the As species in the solutions during the experiments with Ca(OH)_2 at a decrease in the solution/reagent ratio.

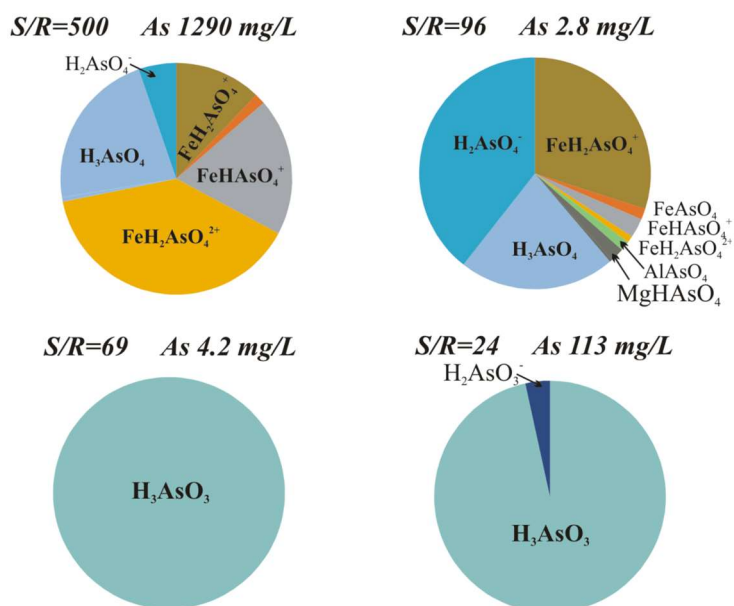


Figure S2. Changing As species in solution during the experiment with Na_2S at a decrease in the water/rock ratio.

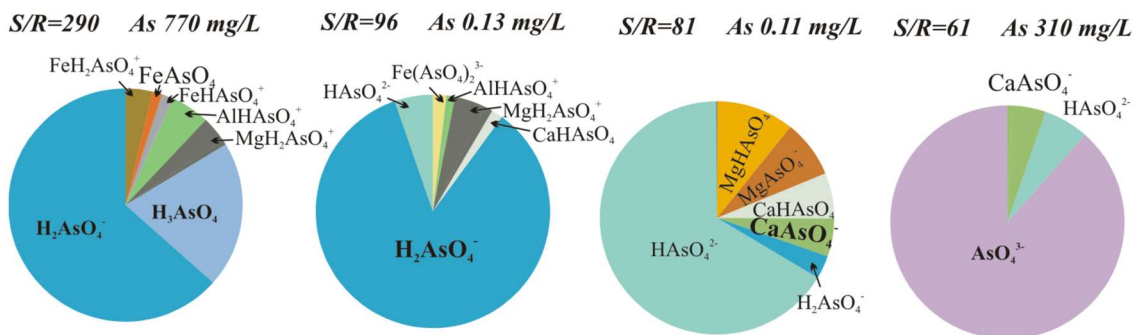


Figure S3. The change in As species during the experiment with NaOH at a decrease in the solution/reagent ratio.

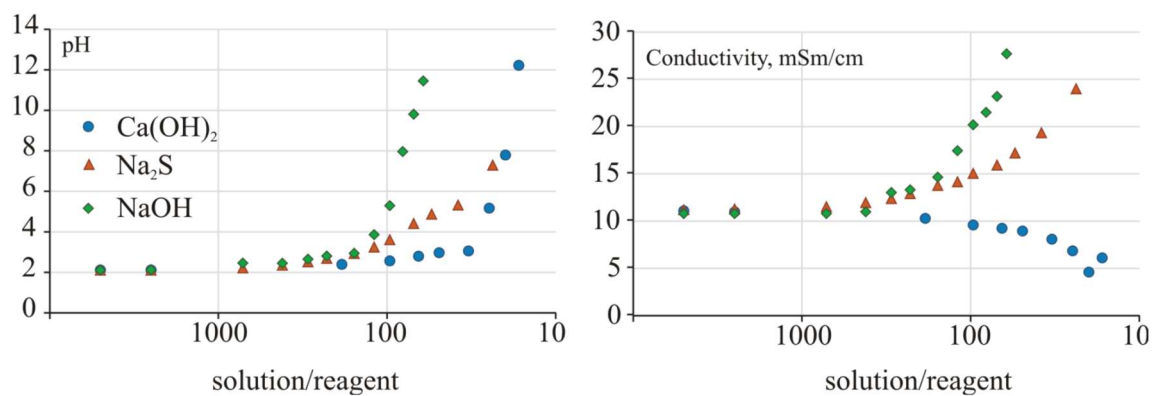


Figure S4. Comparison of the changes in the physicochemical parameters of the solution in the experiments.

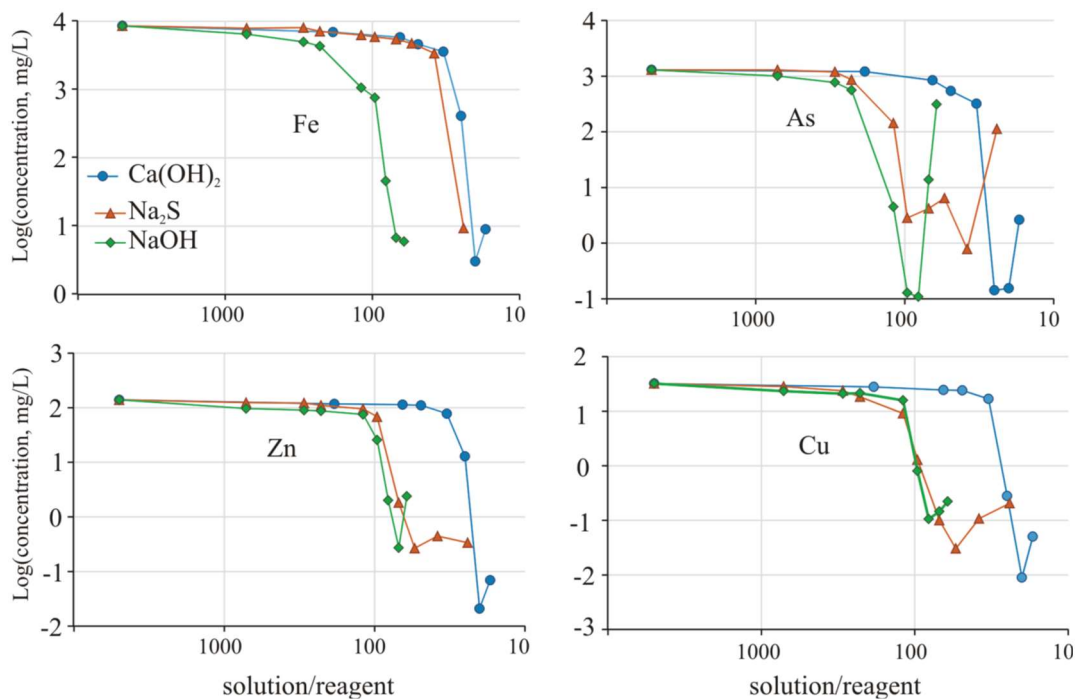


Figure S5. Comparison of changes in elemental concentrations in experiments.

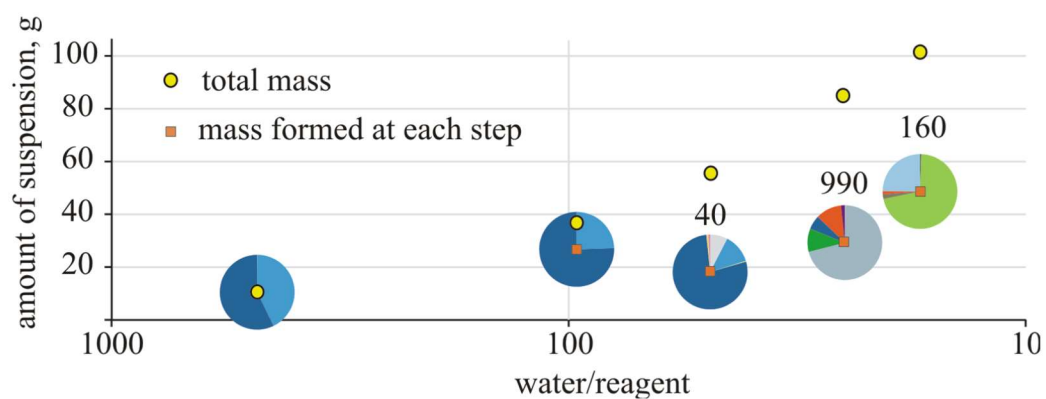


Figure S6. The amount and phase composition of the resulting precipitate in the experiment with $\text{Ca}(\text{OH})_2$. Hereinafter: numbers above circles denote the amount of As removed from the solution.

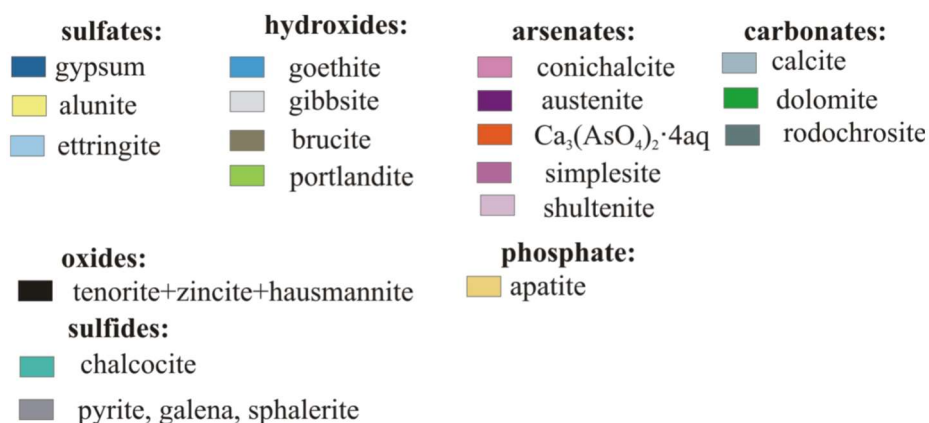


Figure S7. The amounts and phase compositions of the resulting suspensions in the experiment with Na_2S .

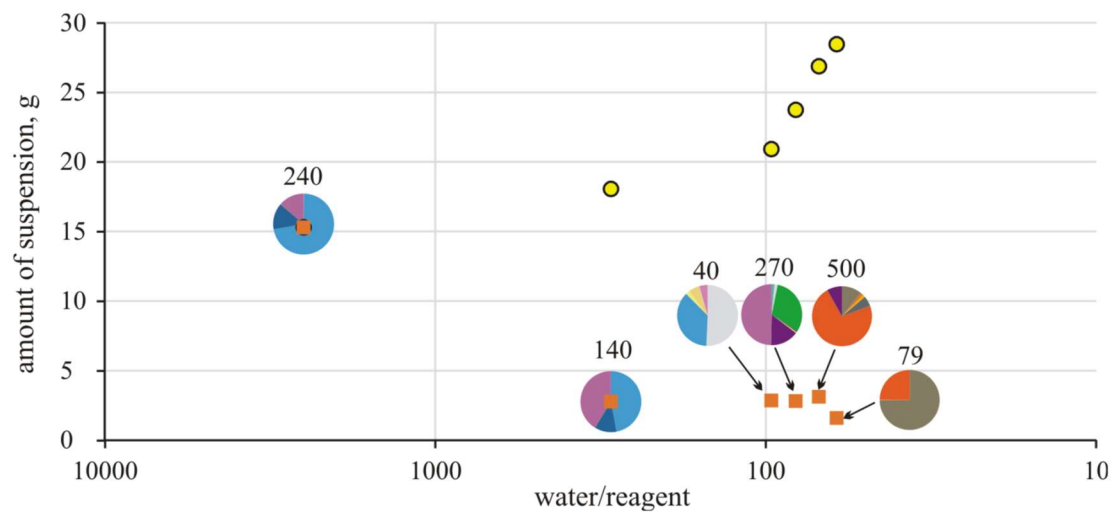


Figure S8. The amounts and phase compositions of the resulting suspensions in the experiment with NaOH.