

We thank the reviewer for taking the time to re-assess our manuscript. We have made all the corrections as detailed:

Abstract: added numbers for the fractionations observed, and for the offset from inorganic predictions

Lines 199-200: rephrased to “contained small amounts of calcite”

Line 207: rephrased to “with an error of 15%”

Acknowledgements: added a note of appreciation to reviewers’ help in improving the manuscript

We are grateful for the editorial process that has improved this manuscript, and are hopeful that this version will be found suitable for publication in *Biogeosciences*.

*Clara Blättler and co-authors*