Supplementary to the paper: Identifying and quantifying geogenic organic carbon in soils – the case of graphite

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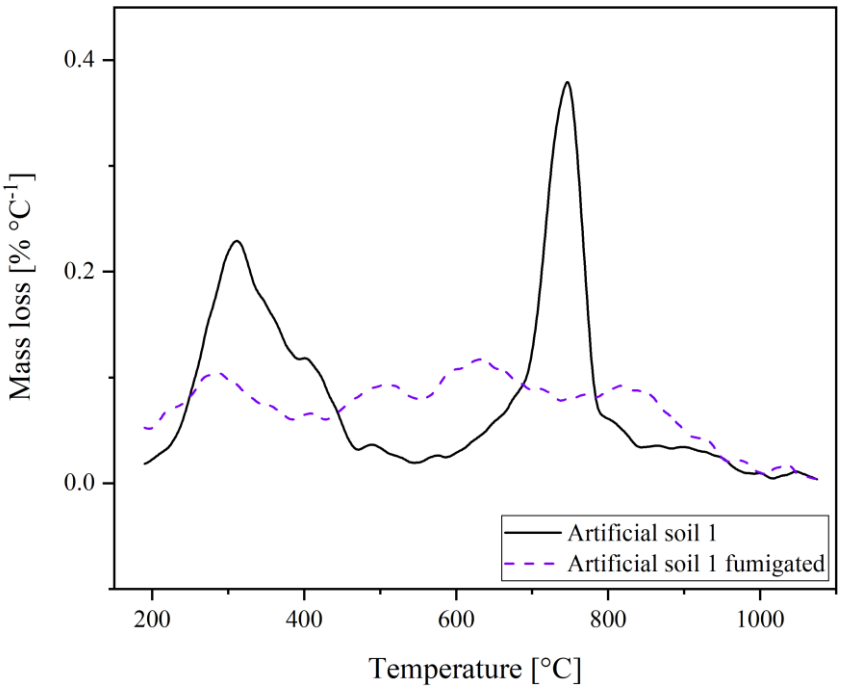

Fig. S1: Thermogravimetric analysis of artificial soil 1 before and after acid fumigation with HCl, as described in section 2.3.

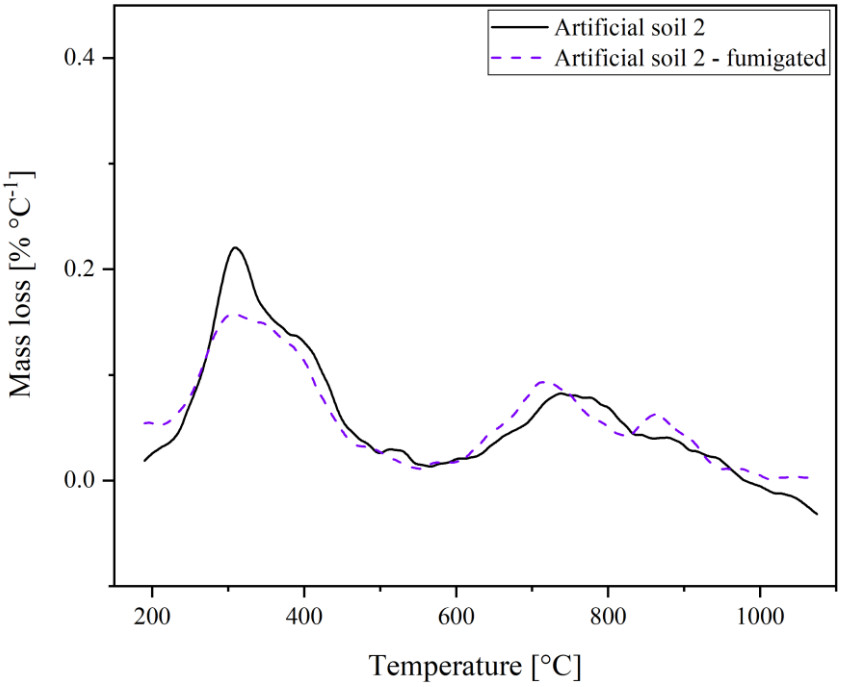

Fig. S2: Thermogravimetric analysis of artificial soil 2, without carbonates, before and after acid fumigation with HCl, as described in section 2.3.

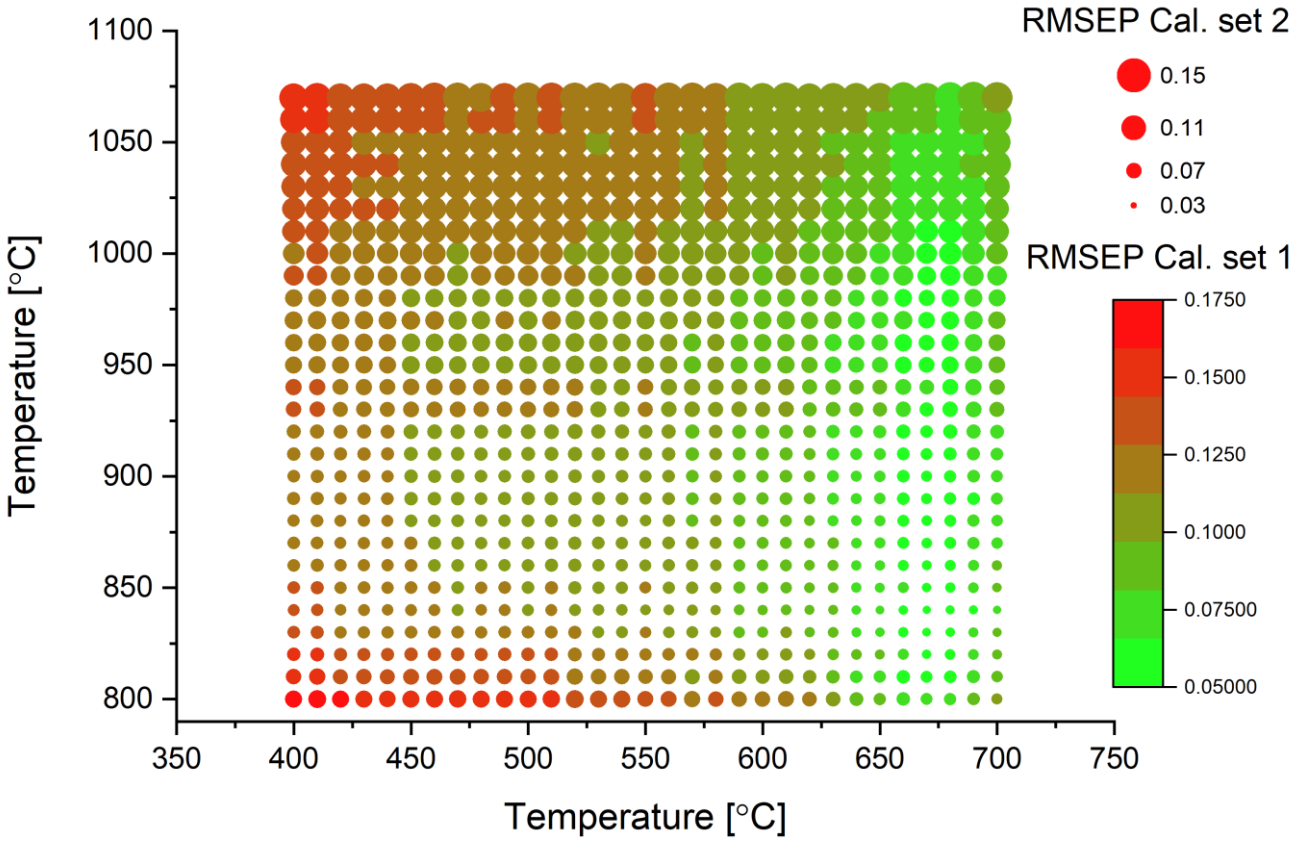

Fig. S3: Exploration of the best TGA temperature range (x – y axis) for creating a graphite content prediction model, based on the root-mean-square error (RMSE) data for calibration set 1 (color) and calibration set 2 (size). The smaller the RMSE, the better the model fitted to the data.

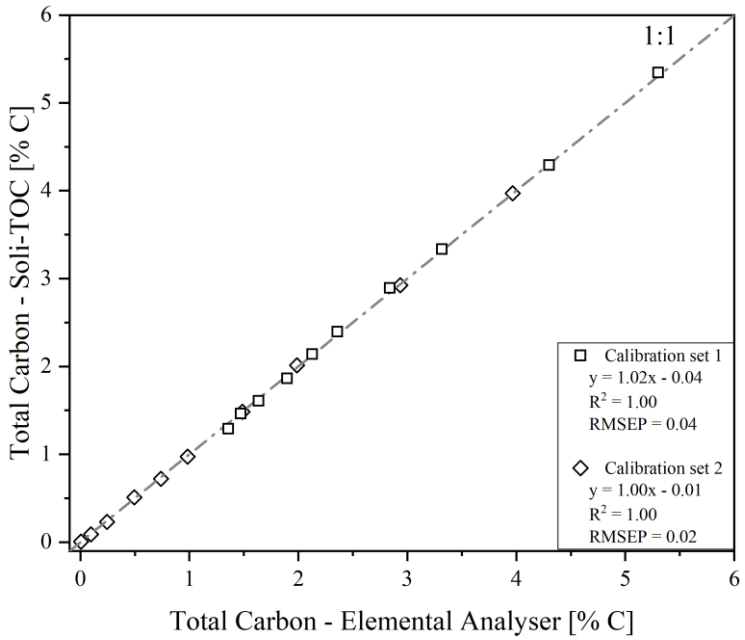

Fig. S4: Total carbon of the two calibrations sets as measured by the Elemental analyser and Soli-TOC device.