

Supporting Information

Manuscript: Anion Exchange Capacity of Biochars

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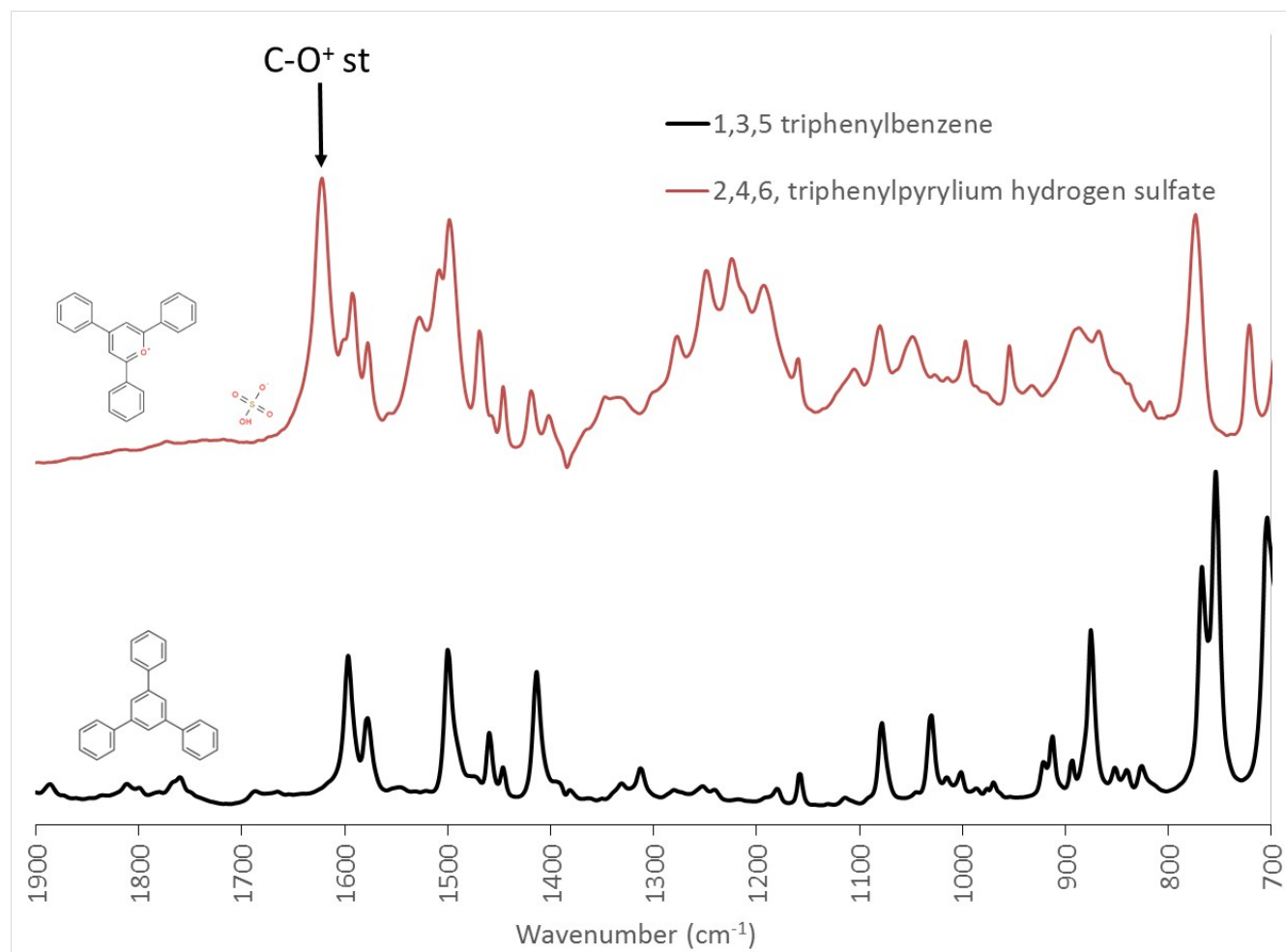


Figure S1. FTIR spectra of 1,3,5-triphenylpyrylium sulfate and 2,4,6-triphenylbenzene.

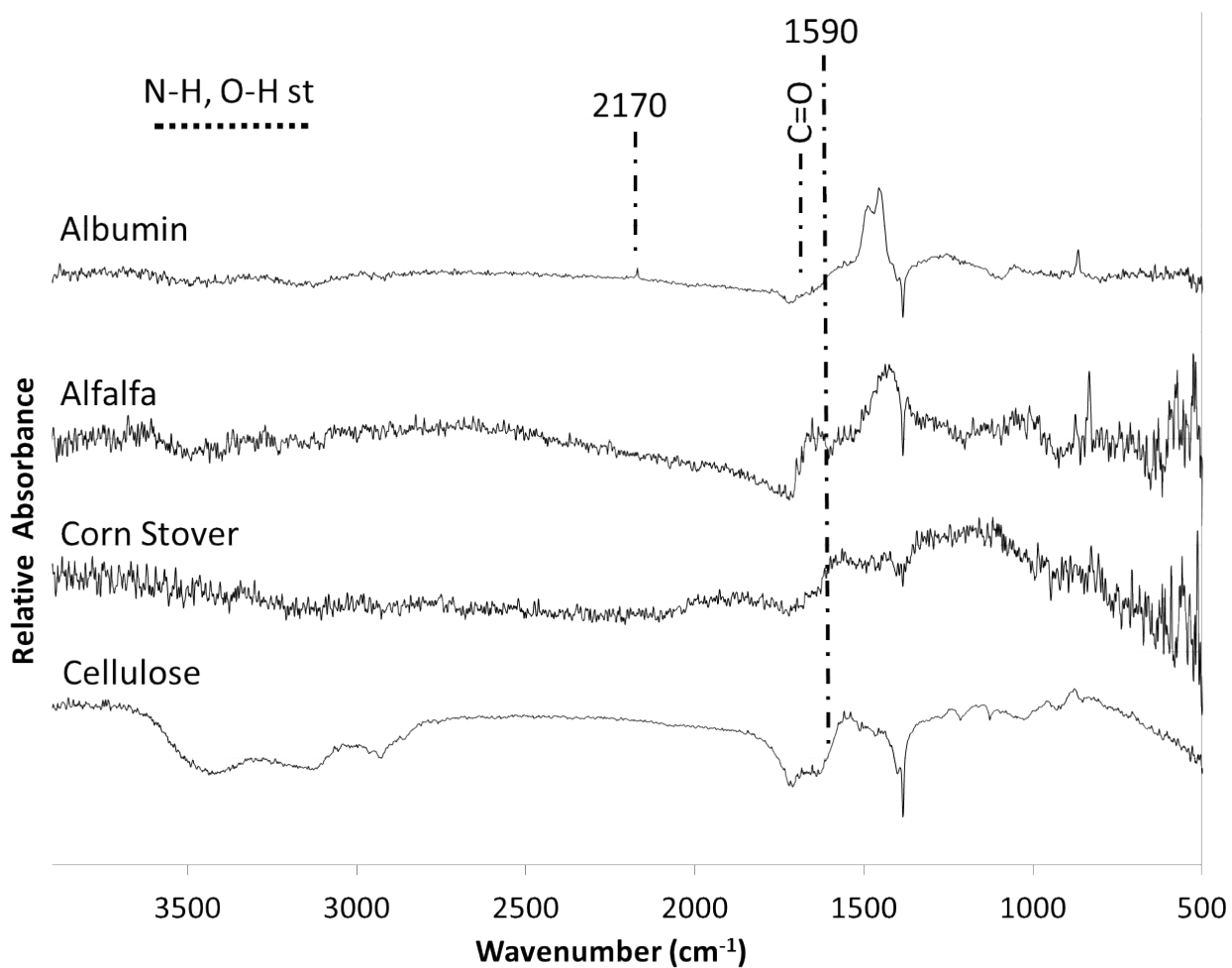


Figure S2. FTIR spectra of dialyzed 700 °C biochars. C=O indicates carbonyl stretching

Table S1. AEC / surface area of biochars measured at pHs 4, 6, & 8.

Feedstock	HTT (C)	pH 4 ($\mu\text{mol m}^{-2}$)	pH 6 ($\mu\text{mol m}^{-2}$)	pH 8 ($\mu\text{mol m}^{-2}$)
Albumin	500	16.3	2.72	1.83
Albumin	700	5.96	2.29	0.892
Alfalfa	500	2.78	0.792	0.240
Alfalfa	700	1.46	0.545	0.119
Cellulose	500	0.243	0.081	0.019
Cellulose	700	1.06	0.792	0.179
Corn Stover	500	1.17	0.254	0.067
Corn Stover	700	1.07	0.532	0.278