

Supporting Information

Manuscript: Anion Exchange Capacity of Biochars

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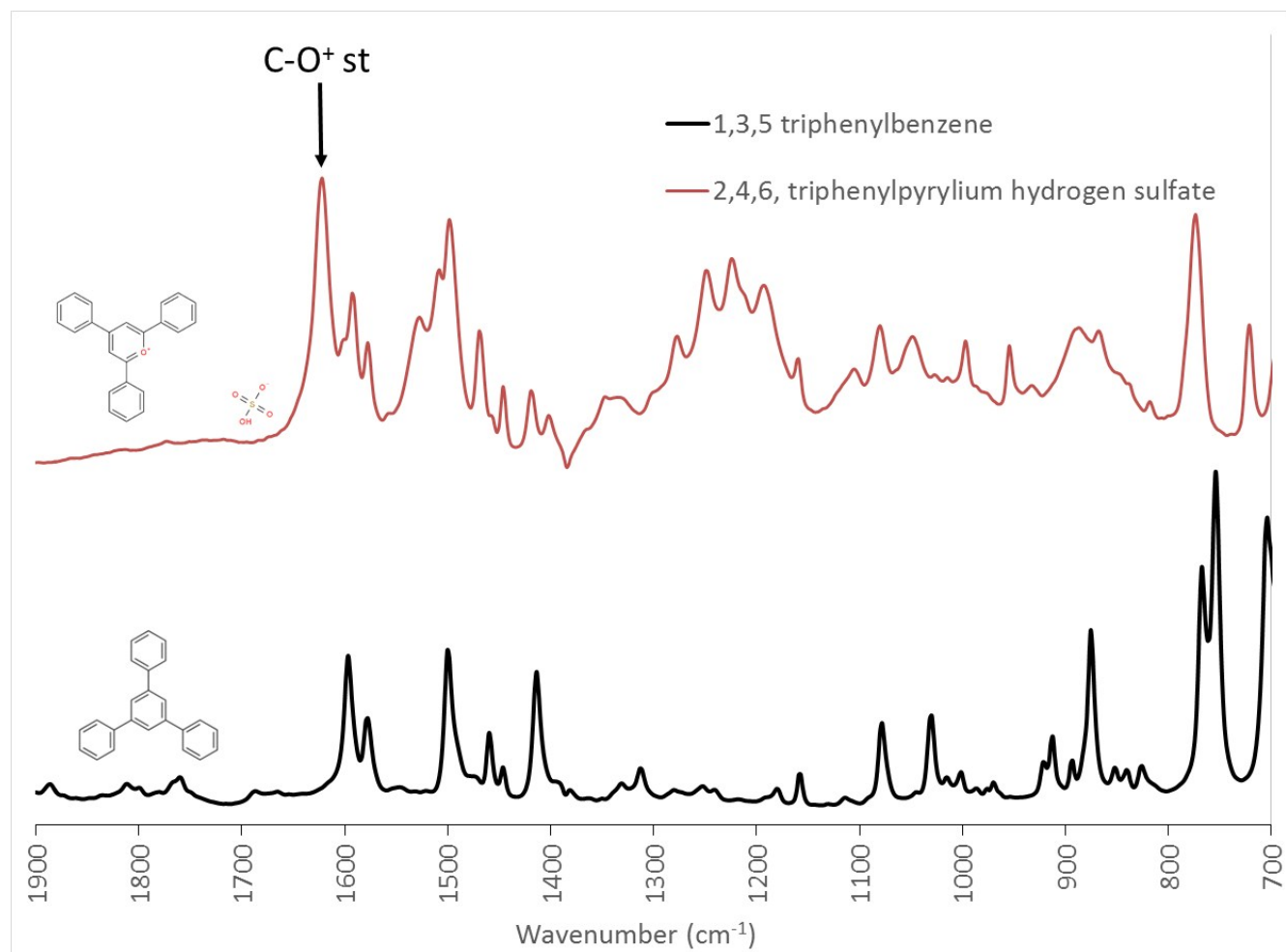
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**Figure S1.** FTIR spectra of 1,3,5-triphenylpyrylium sulfate and 2,4,6-triphenylbenzene.

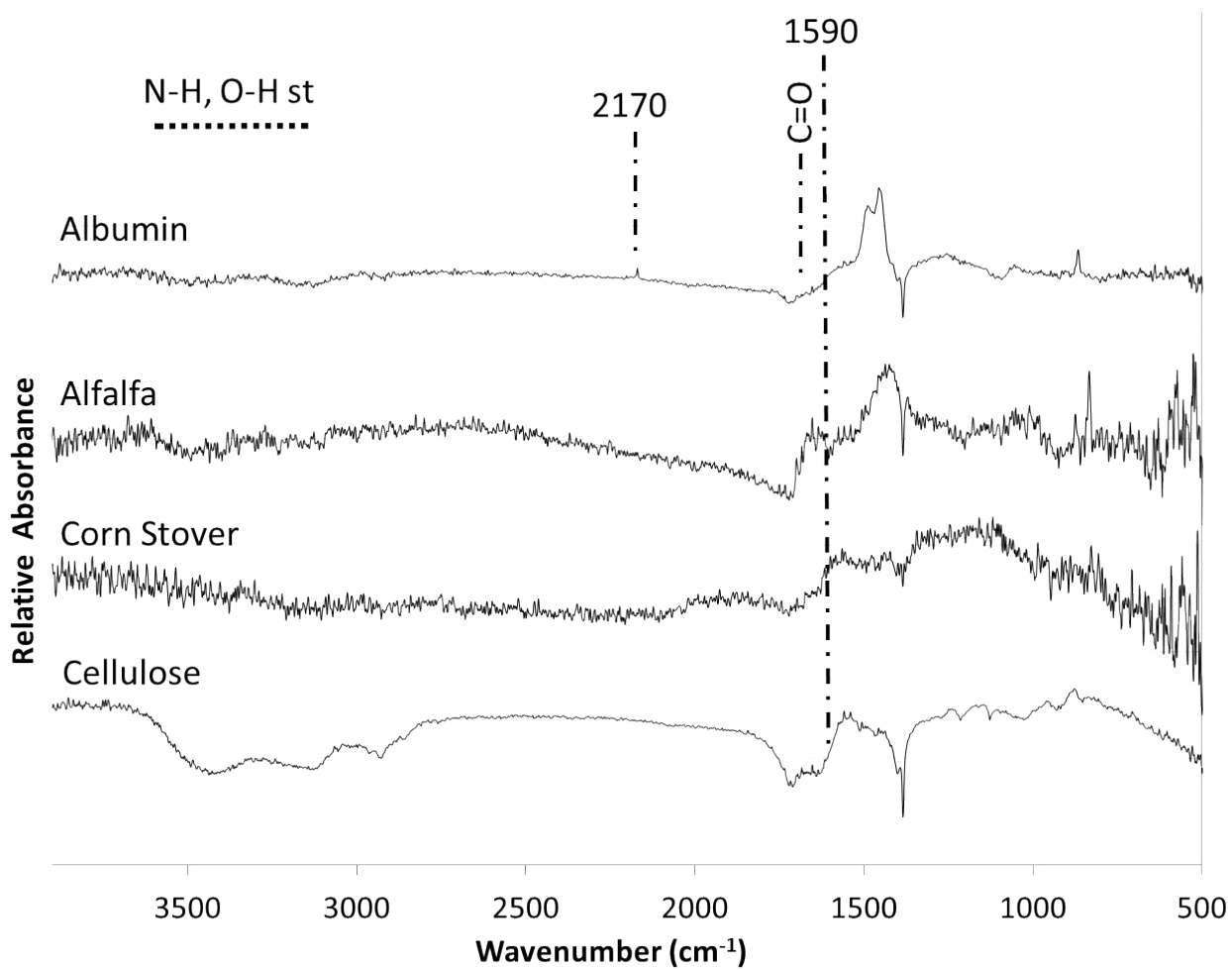
**Figure S2.** FTIR spectra of dialyzed 700 °C biochars.

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

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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.

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