

Supplementary Information

Performance of Halloysite-Mg/Al LDH Materials for Aqueous As(V) and Cr(VI) Removal

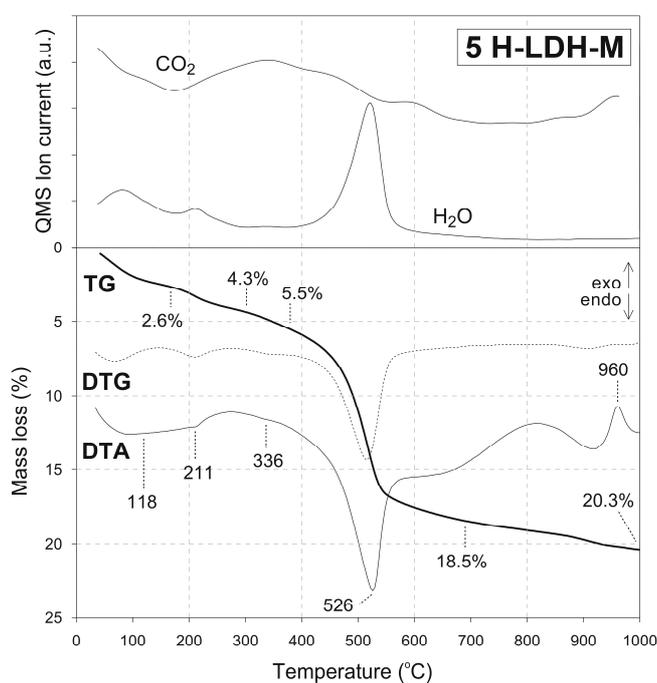
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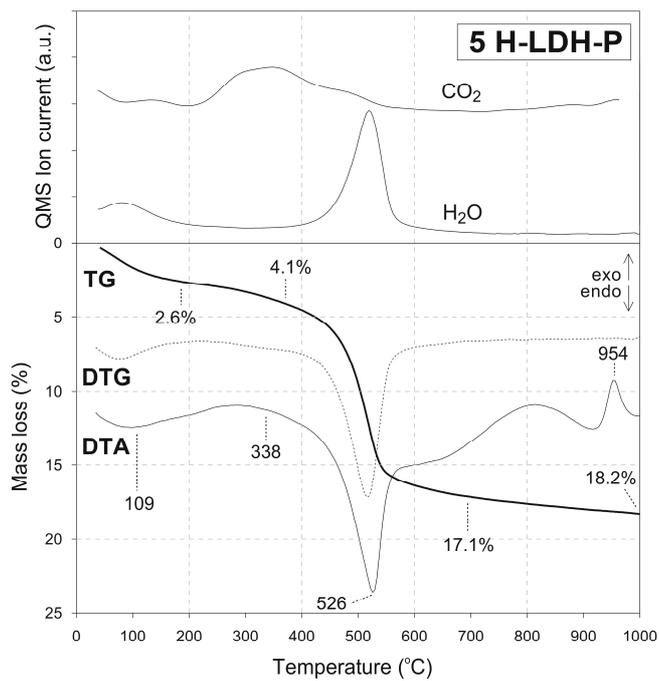
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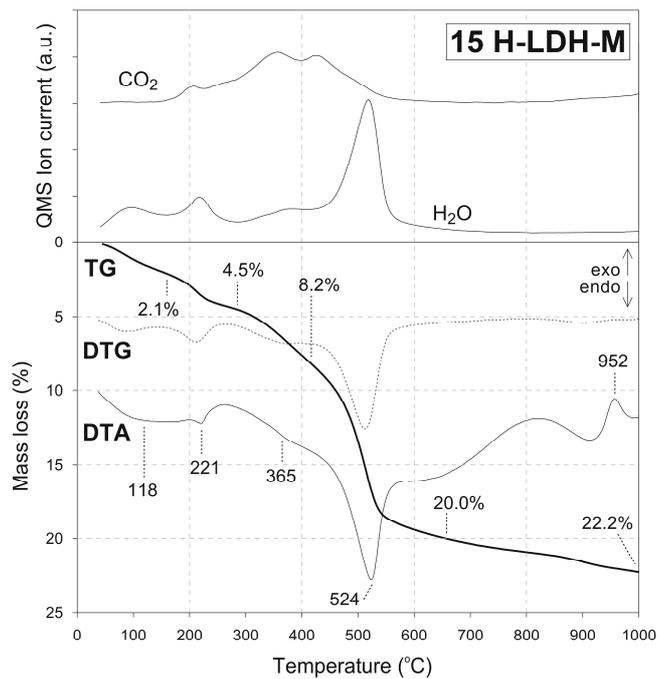
Received: 24 September 2019; Accepted: 30 October 2019; Published: date



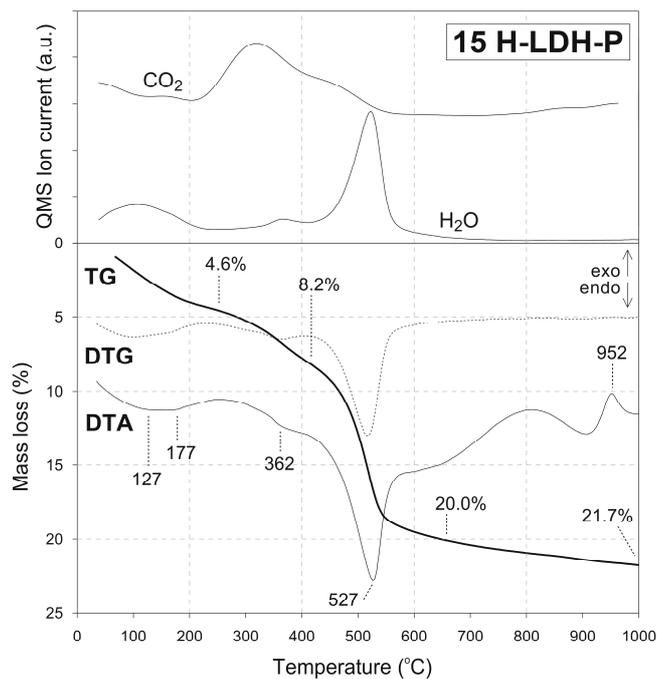
(a)



(b)

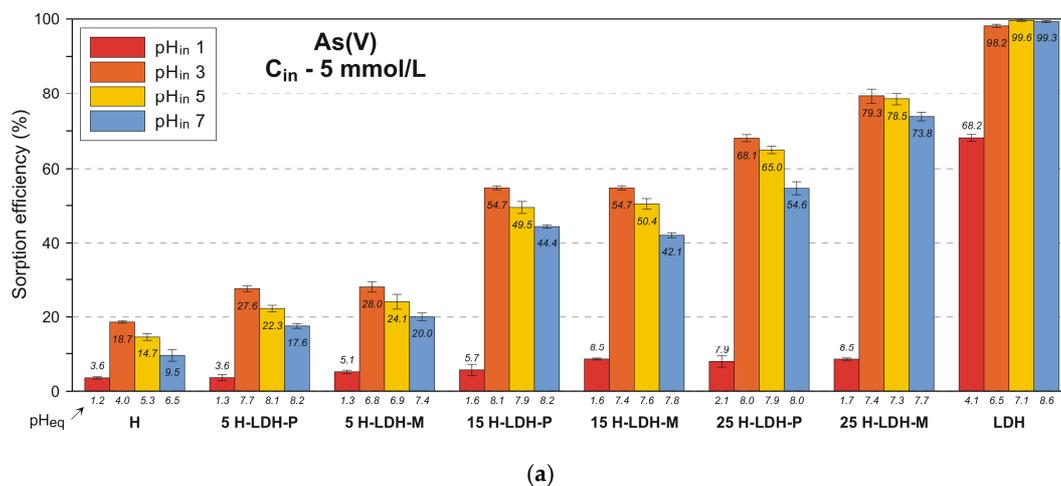


(c)

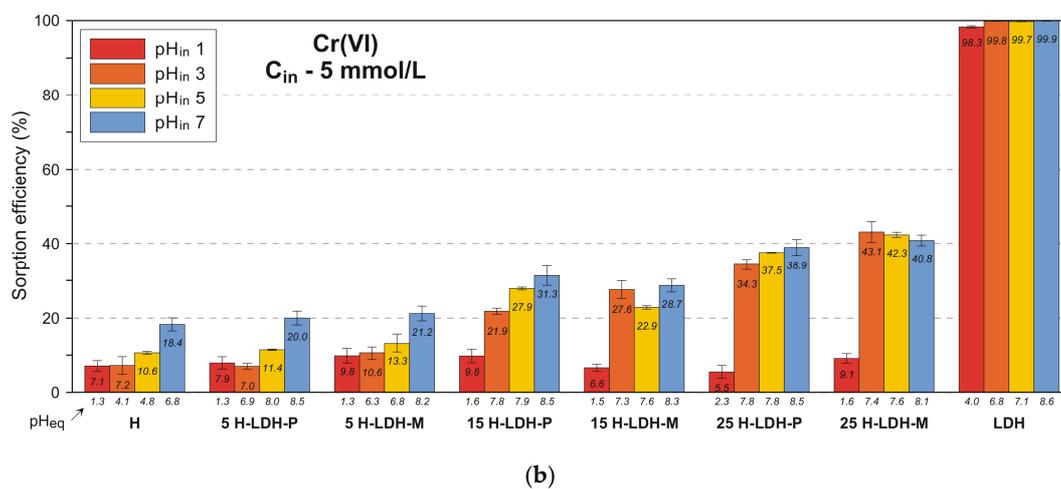


(d)

Figure S1. Thermal curves of the materials: (a) 5-H-LDH-M, (b) 5 H-LDH-P, (c) 15 H-LDH-M, (d) 15 H-LDH-P.

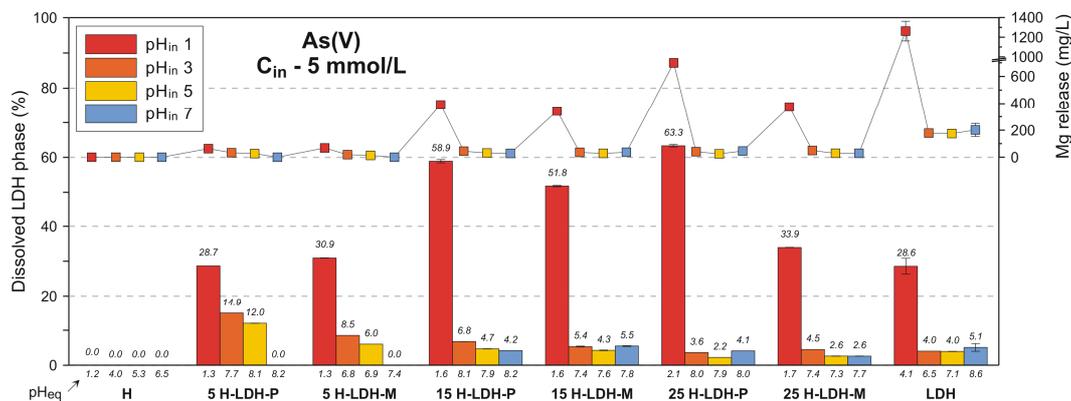


(a)

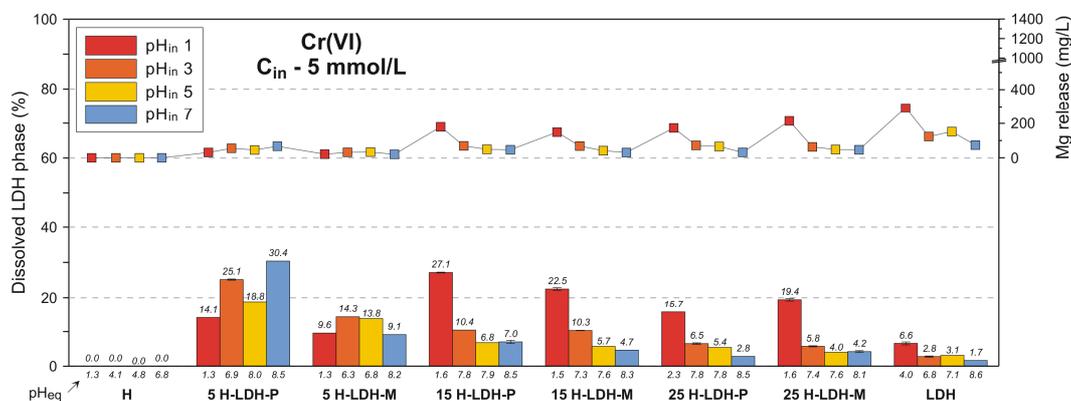


(b)

Figure S2. Adsorption efficiency after reaction of the adsorbents with (a) As(V) and (b) Cr(VI). Initial concentration (C_{in}) 5 mmol/L. Error bars may not be visible due to low discrepancy of results.



(a)



(b)

Figure S3. Mg release and percent of dissolved LDH after reaction of the adsorbents: (a) As(V) and (b) Cr(VI). Initial concentration (C_{in}) 5 mmol/L. Error bars may not be visible due to low discrepancy of results.

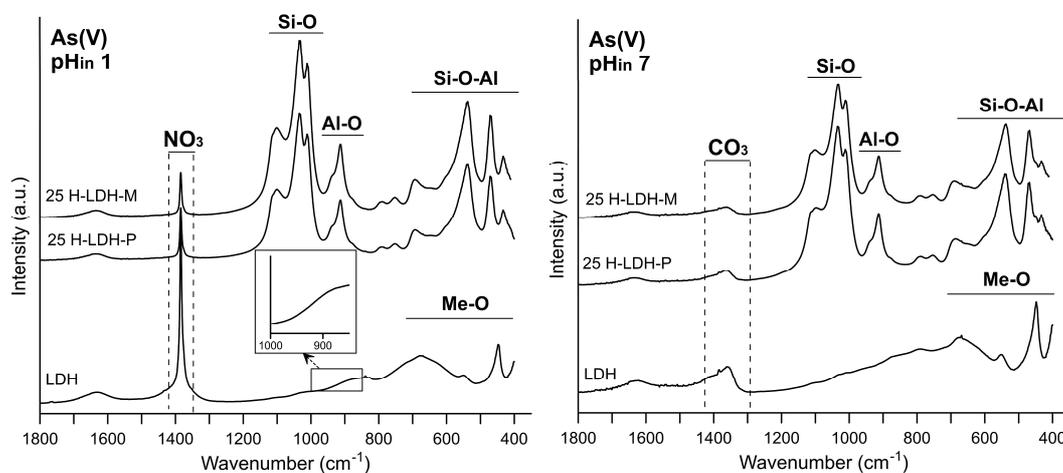


Figure S4. FTIR spectra of selected samples after reaction with As(V).



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