## Accepted Manuscript

Title: Quantification and characterisation of activated carbon in activated sludge by thermogravimetric and evolved gas analyses

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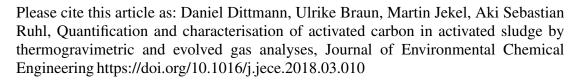
PII: S2213-3437(18)30131-3

DOI: https://doi.org/10.1016/j.jece.2018.03.010

Reference: JECE 2251

To appear in:

Received date: 20-10-2017 Revised date: 22-2-2018 Accepted date: 5-3-2018



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## ACCEPTED MANUSCRIPT

Quantification and characterisation of activated carbon in activated sludge by thermogravimetric and evolved gas analyses

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### **Highlights**

- Method proposed for direct quantification of PAC in activated sludge with
   1.2% LOD
- Valuable insights on activated sludge gained by hyphenated technique TGA-FTIR
- DTG profiles indicate aged activated sludge
- Revealed interaction mechanisms of PAC and activated sludge via aliphatic compounds

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