

Accepted Manuscript

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PII: S0045-6535(18)30854-3

DOI: [10.1016/j.chemosphere.2018.05.012](https://doi.org/10.1016/j.chemosphere.2018.05.012)

Reference: CHEM 21340

To appear in: *ECSN*

Received Date: 30 January 2018

Revised Date: 1 May 2018

Accepted Date: 2 May 2018

Please cite this article as: Pereira, H.C., Ullberg, M., Kleja, D.B., Gustafsson, J.P., Ahrens, L., Sorption of perfluoroalkyl substances (PFASs) to an organic soil horizon – Effect of cation composition and pH, *Chemosphere* (2018), doi: 10.1016/j.chemosphere.2018.05.012.

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Sorption of perfluoroalkyl substances (PFASs) to an organic soil horizon – effect of cation composition and pH

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Keywords: soil–water partitioning, PFOS, PFOA, surface net charge, geochemical modeling, Visual MINTEQ

Highlights

- Sorption of PFASs of C₅ or longer depends on the pH or on the SOM bulk net charge.
- For C₅–C₈ PFCAs, SOM bulk net charge is strongly related to sorption.
- For longer-chained PFASs, pH is a better predictor of sorption.
- Cation effects are evident only for shorter-chained PFASs.
- Longer-chained PFASs probably bind preferentially to the humin fraction of SOM.

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