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Does Form Matter? An Evaluation of the GAC Removal Efficiency on Branched and Linear PFAA Isomers

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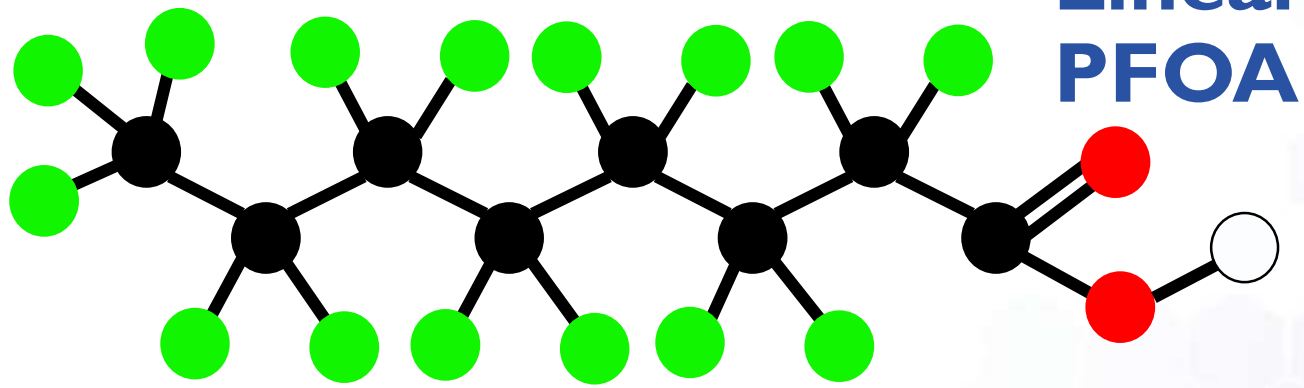
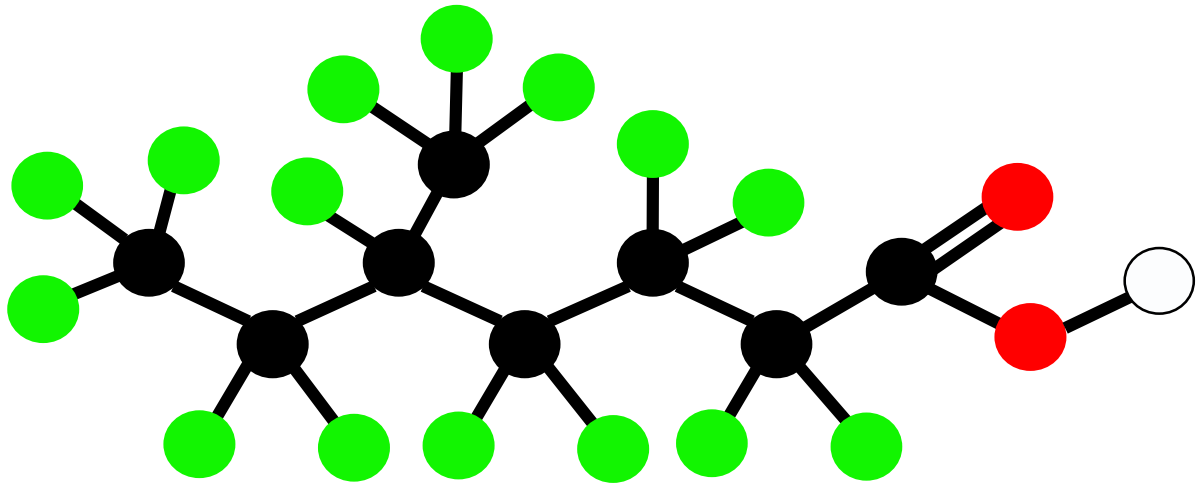
Branched and Linear PFAA Isomers

- Carbon
- Fluorine
- Oxygen
- Hydrogen



Linear PFOA



Branched PFOA

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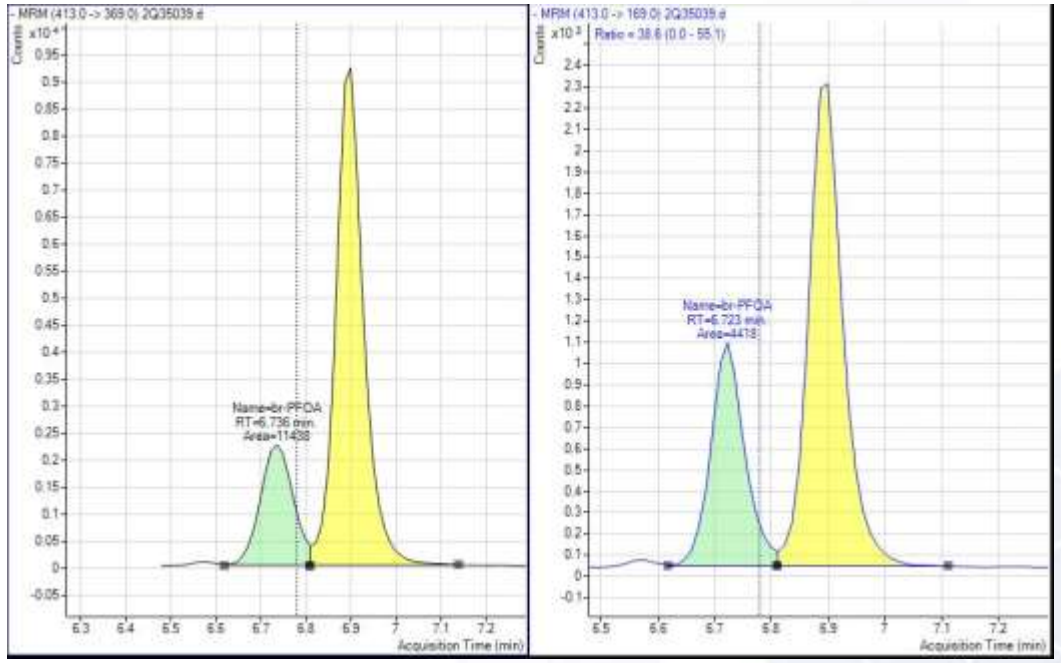
Is the Removal Efficiency of GAC on Branched and Linear PFAA Isomers the Same?

- GAC performs well in removing most long-chain PFAAs to non-detectable levels (i.e. <5 ppt) and is the most common treatment used currently.
- Evaluated 19 influent/effluent sample sets
  - PFOS
  - PFOA
  - PFHxS
- Calculated removal efficiency on branched and linear isomers separately
- So, does the form of PFAA isomers matter?



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Acknowledgements

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