



DETECTION // TREATMENT // REGULATION

EMERGING CONTAMINANTS  
— S U M M I T —

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

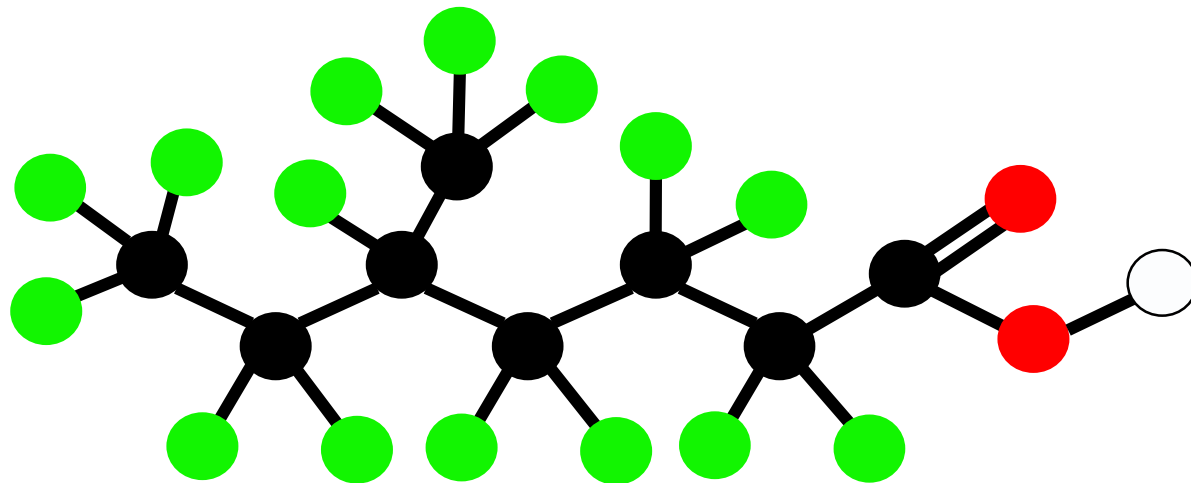
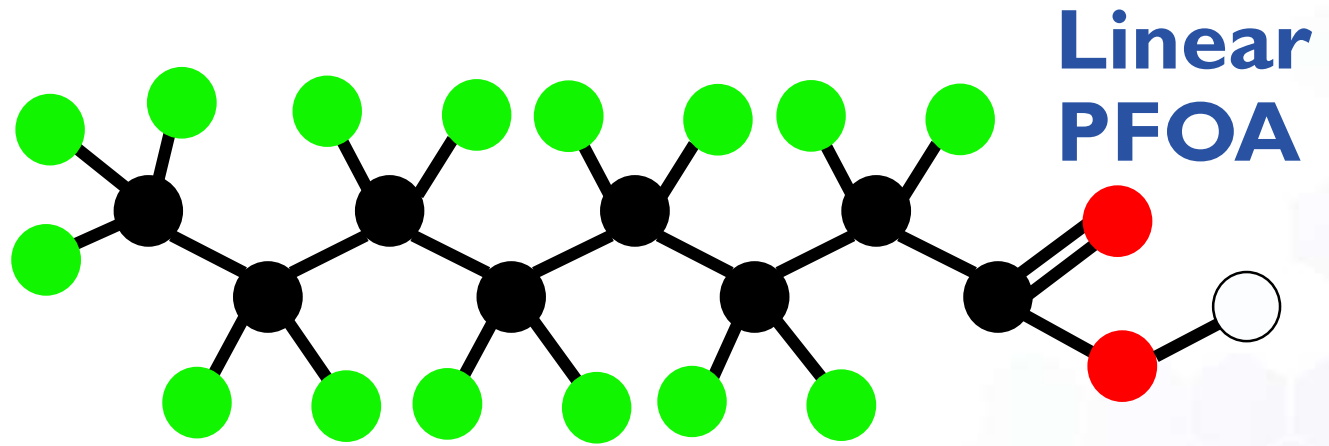
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# Branched and Linear PFAA Isomers

- Carbon
- Fluorine
- Oxygen
- Hydrogen

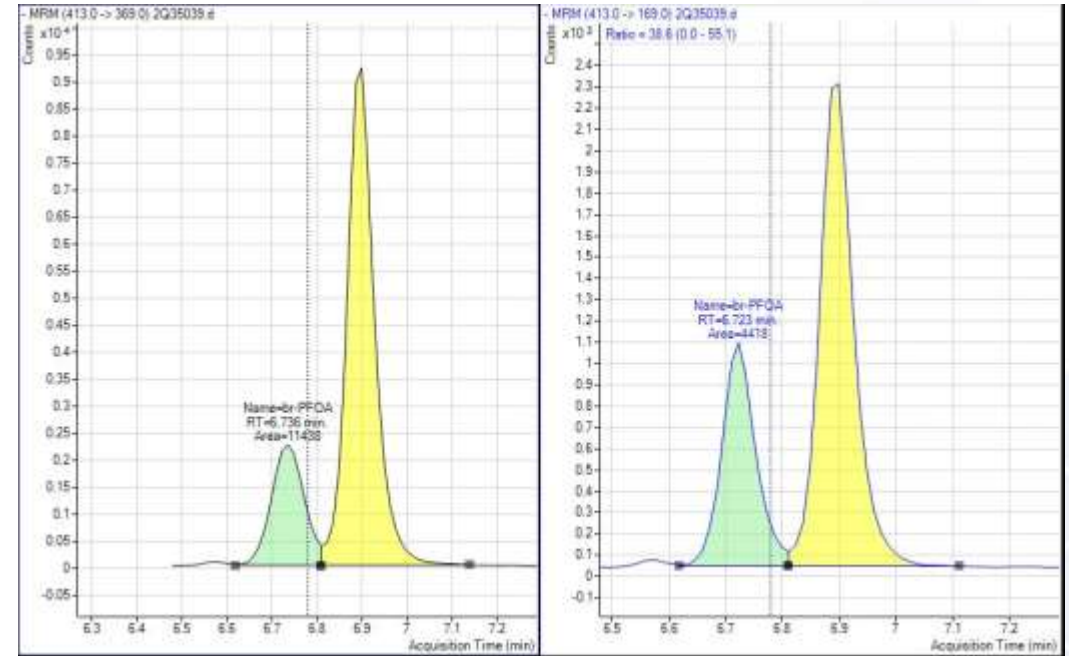


**Branched PFOA**



# 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?



# Acknowledgements

The logo for SGS, consisting of the letters 'SGS' in a large, bold, grey sans-serif font. A thin orange vertical line is positioned to the right of the letters, and a thin orange horizontal line is positioned below the letters, intersecting at the bottom right corner.

**Norm Farmer**

**Environment, Health and Safety**

PFAS Program Director

US Technical Director

