

2008, Volume 42, Pages 456–458

Kai-Uwe Goss*: The pK_a Values of PFOA and Other Highly Fluorinated Carboxylic Acids

Prof. David Ellis from Trent University, Canada, kindly made me aware of an error that I wish to correct. In the paper a pK_a value of -0.3 was cited for trifluoroacetic acid from Henne and Fox (*J. Am. Chem. Soc.* **1951**, 73, 2323–2325). However, the correct value that should have been cited is $+0.3$. This has consequences for the presented conclusions on the pK_a value of perfluorooctanoic acid (PFOA), which based on the wrongly cited data was estimated to be close to -0.5 , and not close to 0, which it should have been.

This corrected value is in fact in better agreement with the values predicted by the predictive software SPARC and COSMOtherm, which were also presented in the paper.

ES8011904

10.1021/es8011904

Published on Web 05/31/2008