PFAS – Analysis Arium® Mini Essential Extend

Sample	Detection threshold	Detected Concentration	Unit	Method
PFBA	50	Under detection threshold	ng/L (ppt)	MS-0047387[1,A]
PFPeA	0.5	Under detection threshold	ng/L (ppt)	MS-0047387[1,A]
PFHxA	0.5	Under detection threshold	ng/L (ppt)	MS-0047387[1,A]
PFHpA	0.5	Under detection threshold	ng/L (ppt)	MS-0047387[1,A]
PFOA branched	0.5	Under detection threshold	ng/L (ppt)	MS-0047387[1,A]
PFOA linear	0.5	Under detection threshold	ng/L (ppt)	MS-0047387[1,A]
PFOA total	0.5	Under detection threshold	ng/L (ppt)	MS-0047387[1,A]
PFNA	0.5	Under detection threshold	ng/L (ppt)	MS-0047387[1,A]
PFDA	0.5	Under detection threshold	ng/L (ppt)	MS-0047387[1,A]
PFUnDA	0.5	Under detection threshold	ng/L (ppt)	MS-0047387[1,A]
PFDoDA	0.5	Under detection threshold	ng/L (ppt)	MS-0047387[1,A]
PFTrDA	0.5	Under detection threshold	ng/L (ppt)	MS-0047387[1,A]
PFTeDA	0.5	Under detection threshold	ng/L (ppt)	MS-0047387[1,A]
PFHxDA	0.5	Under detection threshold	ng/L (ppt)	MS-0047387[1,A]
PFBS	0.5	Under detection threshold	ng/L (ppt)	MS-0047387[1,A]
PFPeS	0.5	Under detection threshold	ng/L (ppt)	MS-0047387[1,A]
PFHxS	0.5	Under detection threshold	ng/L (ppt)	MS-0047387[1,A]
PFHpS	0.5	Under detection threshold	ng/L (ppt)	MS-0047387[1,A]
PFOS linear	0.5	Under detection threshold	ng/L (ppt)	MS-0047387[1,A]
PFOS branched	0.6	Under detection threshold	ng/L (ppt)	MS-0047387[1,A]
PFOS total	0.5	Under detection threshold	ng/L (ppt)	MS-0047387[1,A]
PFNS	0.5	Under detection threshold	ng/L (ppt)	MS-0047387[1,A]
PFDS	0.5	Under detection threshold	ng/L (ppt)	MS-0047387[1,A]
PFUnDS	0.5	Under detection threshold	ng/L (ppt)	MS-0047387[1,A]
PFDoDS	0.5	Under detection threshold	ng/L (ppt)	MS-0047387[1,A]
PFTrDS	0.5	Under detection threshold	ng/L (ppt)	MS-0047387[1,A]
4:2 FTS	0.5	Under detection threshold	ng/L (ppt)	MS-0047387[1,A]
6:2 FTS	0.5	Under detection threshold	ng/L (ppt)	MS-0047387[1,A]
8:2 FTS	0.5	Under detection threshold	ng/L (ppt)	MS-0047387[1,A]
10:2 FTS	0.5	Under detection threshold	ng/L (ppt)	MS-0047387[1,A]
N-MeFOSAA	0.5	Under detection threshold	ng/L (ppt)	MS-0047387[1,A]

Execution and Analysis Procedure

The water analysis was executed by TÜV Rheinland Energy GmbH, an internationally recognized testing laboratory for special analytics, based on following measurement method: MS-0047387 Rev. 0, in accordance with DIN 38407-42, 2011-03. Relative expanded measurement uncertainty (k=2): 50 %.

[A] = The method has been accredited.

[PV] = The method has been partially validated.

The tests were performed with the Arium® Mini Essential Extend, without final filter, fed with DI water.

Sample	Detection threshold	Detected Concentration	Unit	Method
N-EtFOSAA	0.5	Under detection threshold	ng/L (ppt)	MS-0047387[1; PV]
8:2diPAP	0.5	Under detection threshold	ng/L (ppt)	MS-0047387[1; PV]
PFECHS	0.5	Under detection threshold	ng/L (ppt)	MS-0047387[1; PV]

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