PFAS – Analysis Arium® Sterile Plus Filter

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]
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]
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]
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]

Execution and Analysis Procedure

The water analysis was executed by TÜV Rheinland Energy & Enviroment 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® Sterile Plus Filter attached to an Arium® Mini Plus, fed with tap water. The Sterile Plus Filter was flushed with 5 liters of ultrapure water before the sample was collected.

Sample	Detection threshold	Detected Concentration	Unit	Method
PFOA (linear)	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 (total)	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)	0.5	Under detection threshold	ng/L (ppt)	MS-0047387[1; A]
PFOS (total)	0.5	Under detection threshold	ng/L (ppt)	MS-0047387[1; A]

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Germany
Sartorius Lab Instruments
GmbH & Co. KG
Otto-Brenner-Strasse 20
37079 Goettingen
Phone +49 551 308 0

USA
Sartorius Corporation
565 Johnson Avenue
Bohemia, NY 11716
Phone +1 631 254 4249
Toll-free +1 800 635 2906

For further information, visit
sartorius.com