

Certified Reference Material - PFAS - in wastewater

Art. ID	ERA-404
Unit	2 mL (ampoule)
Deliverydetails	ADR Excepted Quantity (EQ) / AIR Excepted Quantity (EQ) UN1230 (6.1) II E2

Description

One 2 mL flame-sealed ampule yields in excess of 1.5 L after dilution. The diluted standard is certified for 44 analytes spiked at 20--400 ng/L . The sample is designed for LC/MS/MS methods for analyzing wastewater, specifically EPA Method 1633 (Draft), ASTM Method D8421-22 (Draft), and SW-846 Method 8327. This product is a replacement for 598 (PT), 403 (CRM), and 403QR (QR).

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	[n/a]	40 low conc - 400 high conc	ng/L		
	1H,1H,2H,2H-Perfluorodecanesulfonic acid	[39108-34-4]	40 low conc - 400 high conc	ng/L		
	1H,1H,2H,2H-Perfluorooxanesulfonic acid	[757124-72-4]	40 low conc - 400 high conc	ng/L		
	1H,1H,2H,2H-Perfluorooctane sulfonic acid	[27619-97-2]	40 low conc - 400 high conc	ng/L		
	2H,2H,3H,3H-Perfluorodecanoic acid	[812-70-4]	40 low conc - 400 high conc	ng/L		
	2H,2H,3H,3H-perfluorooxanoic acid (3:3 FTCA)	[356-02-5]	40 low conc - 400 high conc	ng/L		
	2H,2H,3H,3H-Perfluorooctanoic Acid	[914637-49-3]	40 low conc - 400 high conc	ng/L		
	2H-perfluoro-2-decenoic acid (FOUEA)	[70887-84-2]	20 low conc - 200 high conc	ng/L		
	2H-perfluoro-2-octenoic acid (FHUEA)	[70887-88-6]	20 low conc - 200 high conc	ng/L		
	4,8-dioxa-3H-perfluorooxanoic acid (DONA)	[919005-14-4]	40 low conc - 400 high conc	ng/L		
	9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)		40 low conc - 400 high conc	ng/L		
	Bis(trifluoromethane)sulfonimide	[82113-65-3]	40 low conc - 400 high conc	ng/L		
	Hexafluoropropylene oxide	[13252-13-6]	40 low conc - 400 high conc	ng/L		

de dimer acid (HFPO-DA)		conc	
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	[2991-50-6]	20 low conc - 200 high	ng/L
N-Ethylperfluorooctanes ulfonamide (NEtFOSA)	[4151-50-2]	20 low conc - 200 high	ng/L
N-Ethylperfluorooctanes ulfonamidoethanol (NEtF OSE)	[1691-99-2]	20 low conc - 200 high	ng/L
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	[2355-31-9]	20 low conc - 200 high	ng/L
N-Methylperfluorooctane sulfonamide (NMeFOSA)	[31506-32-8]	20 low conc - 200 high	ng/L
N-Methylperfluorooctane sulfonamidoethanol (NMe FOSE)	[24448-09-7]	20 low conc - 200 high	ng/L
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	[151772-58-6]	40 low conc - 400 high	ng/L
Pentafluoropropanoic acid (PFPrA)	[422-64-0]	40 low conc - 400 high	ng/L
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	[113507-82-7]	40 low conc - 400 high	ng/L
Perfluoro-3-methoxypropanoic acid (PFMPA)	[377-73-1]	40 low conc - 400 high	ng/L
Perfluoro-4-methoxybutanoic acid (PFMBA)	[863090-89-5]	40 low conc - 400 high	ng/L
Perfluorobutanesulfonic acid (PFBS)	[375-73-5]	20 low conc - 200 high	ng/L
Perfluorobutanoic acid (PFBA)	[375-22-4]	40 low conc - 400 high	ng/L
Perfluorodecane sulfonic acid (PFDS)	[335-77-3]	20 low conc - 200 high	ng/L
Perfluorodecanoic acid (PFDA)	[335-76-2]	20 low conc - 200 high	ng/L
Perfluorododecanesulfonic acid (PFDoS)	[79780-39-5]	20 low conc - 200 high	ng/L

Perfluorododecanoic acid (PFDoA)	[307-55-1]	20 low conc - 200 high conc	ng/L
Perfluoroheptane sulfonic acid (PFHpS)	[375-92-8]	20 low conc - 200 high conc	ng/L
Perfluoroheptanoic acid (PFHpA)	[375-85-9]	20 low conc - 200 high conc	ng/L
Perfluorohexanesulfonic acid (PFHxS)	[355-46-4]	20 low conc - 200 high conc	ng/L
Perfluorohexanoic acid (PFHxA)	[307-24-4]	20 low conc - 200 high conc	ng/L
Perfluorononane sulfonic acid (PFNS)	[68259-12-1]	20 low conc - 200 high conc	ng/L
Perfluorononanoic acid (PFNA)	[375-95-1]	20 low conc - 200 high conc	ng/L
Perfluorooctanesulfonamide (PFOSA)	[754-91-6]	20 low conc - 200 high conc	ng/L
Perfluorooctanesulfonic acid (PFOS)	[1763-23-1]	20 low conc - 200 high conc	ng/L
Perfluorooctanoic acid (PFOA)	[335-67-1]	20 low conc - 200 high conc	ng/L
Perfluoropentane sulfonic acid (PFPeS)	[2706-91-4]	20 low conc - 200 high conc	ng/L
Perfluoropentanoic acid (PFPeA)	[2706-90-3]	40 low conc - 400 high conc	ng/L
Perfluorotetradecanoic acid (PFTDA)	[376-06-7]	20 low conc - 200 high conc	ng/L
Perfluorotridecanoic acid (PFTrDA)	[72629-94-8]	20 low conc - 200 high conc	ng/L
Perfluoroundecanoic acid (PFUnA)	[2058-94-8]	20 low conc - 200 high conc	ng/L