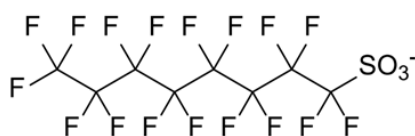
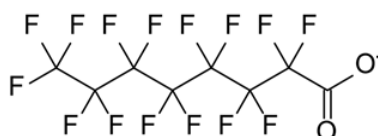


Reagent for PFAS Analysis

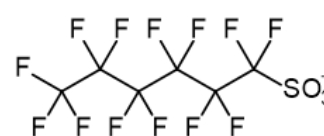
Perfluorooctane sulfonic acid (PFOS) and perfluorooctanoic acid (PFOA), which are polyfluoroalkyl substances (PFCs / PFAS), are difficult to decompose in the environment and have a high accumulation potential. They are subject to various international regulations, including the Stockholm Convention on Persistent Organic Pollutants (POPs). Fujifilm Wako provides pretreatment columns, solvents, and analytical standards that can be used to analyze PFAS (PFOS, PFOA, and PFHxS).



PFOS (PerFluoroOctaneSulfonic acid)



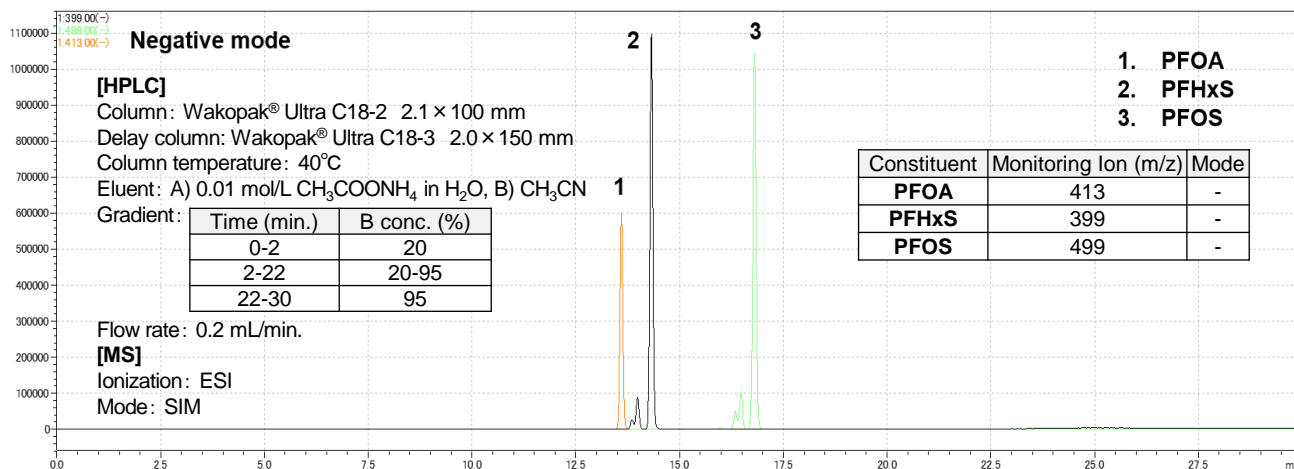
PFOA (PerFluoroOctanoic Acid)



PFHxS (PerFluoroHexaneSulfonic acid)

Mixture Standard Solution

LC/MS Chromatogram (3 PFCs Mixture Standard Solution)



✓ Mixture standard solutions with clear concentration value of linear PFAS !

Code No.	Product Name	Grade	Volume
162-29071	3 PFCs Mixture Standard Solution (PFHxS, PFOS, PFOA each 2 µg/mL Methanol Solution)	for Water Analysis	1 mL×5A
169-29123	3 PFC Internal Standards Mixture Solution (PFHxS- ¹³ C ₆ , PFOS- ¹³ C ₈ , PFOA- ¹³ C ₈ each 2 µg/mL Methanol Solution)	for Water Analysis	1 mL
163-29121			1 mL×5A

Analytical Standard

Code No.	Product Name	Grade	Volume
168-28951	Perfluorohexanesulfonic Acid Potassium Salt	for Environment Analysis	100 mg
161-28941	Perfluorooctanoic Acid Standard	for Environment Analysis	100 mg

SPE Column Presep®-C Agri

✓ Can recover PFOA · PFOS in high yield !

Code No.	Product Name	Grade	Volume
296-32651	Presep®-C Agri (Short)	for Sample Pretreatment	10 pcs×5

Collection / Concentration Operation

Conditioning

- 0.1%NH₃ in CH₃OH (4 mL)
- CH₃OH (4 mL)
- H₂O (4 mL)

Loading

Water (500 mL) + Internal Standard (50 µL)
[+ Standard Solution (100 µL)]
*Flow rate: 5 mL/min.

Washing

H₂O (5 mL)

N₂ purge

Extraction

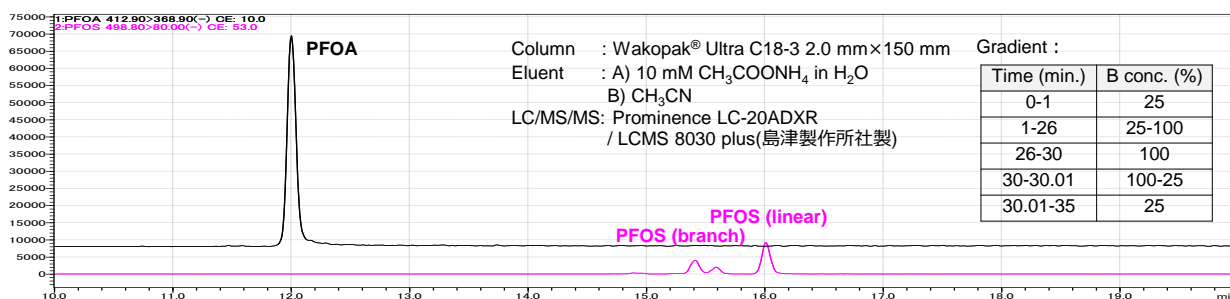
0.1%NH₃ in CH₃OH (5 mL)

Concentration

→ 0.5 mL

Recovery Result

	Monitoring Ions (m/z)		Recovery Rate
	Precursor	Product	
PFOS	498.8	80.0	100.9%
PFOA	412.9	169.1	95.0%



Solvents for PFAS Analysis*

Code No.	Product Name	Grade	Volume
216-01361	Ultrapure Water	for PFOS-PFOA Analysis	1 L
212-01363			3 L
011-22251	Acetonitrile	for PFOS-PFOA Analysis	1 L
130-15941	Methanol	for PFOS-PFOA Analysis	1 L

* A solvent that is assured to contain PFOS and PFOA below standard values by "Suitability for PFOS-PFOA determination Test".

Please check our website for details.

TOP > Analytical Chemistry > Water Quality > Wastewater > Analysis for PFAS (PFOS, PFOA, PFHxS, etc.)

<https://labchem-wako.fujifilm.com/us/category/00353.html>



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