4th Draft Method 1633

Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in aqueous, solids, biosolids, and tissue samples by LC-MS/MS

This draft method, designed for Clean Water Act (CWA) compliance, tackles the complex world of PFAS analysis with precision and innovation.

| Sample Collection | Sample Preparation | Chromatographic Separation | Mass Spectrometry | Data Analysis |

Recommended Equipment Supplies for Draft Method 1633

Empowering you to master your PFAS analysis while safeguarding the environment.

ACQUITY™ Premier   *Xevo™ TQ-S micro*   *Xevo™ TQ Absolute*

Waters Xevo TQ-S micro, or equivalent, equipped with an ultra high-performance liquid chromatograph (UPLC™) or high-performance liquid chromatograph (HPLC) enhances PFAS detection and quantification. Section 6.10.1 p.8

	PRODUCT	USAGE AND BENEFIT	EPA 4th Draft Method 1633
Solid-Phase Extraction (SPE), Cleanup, and Concentration	p/n: 186009345	Utilizing Waters OASIS™ WAX 150 mg cartridges (Cat #186002493 or equivalent) with a pKa above 8 to maintain a positive charge during extraction, this step efficiently prepares samples for analysis.	Section 6.7.1 p. 8
	p/n: 186004835	"Samples of all matrices (and the associated batch QC) must undergo SPE and carbon cleanup to remove interferences."	Section 12.0 p. 35
Vacuum Manifold for SPE	p/n: WAT200607	The Waters extraction manifold (or equivalent) facilitates the SPE process, ensuring precise PFAS extraction.	Section 6.7.2 p. 8
C18 Column	p/n: 186002350	The Waters ACQUITY UPLC™ BEH™ column (or equivalent) guarantees exceptional chromatographic separation of PFAS compounds.	Section 6.10.2 p. 9
Mass Calibration	p/n: 700000889	Follow the operating conditions and guidance during method development to establish suitable conditions for mass calibration, such as injection volume, source temperature, capillary voltage, and more for Waters LC-MS/MS systems.	Referenced in 3rd Draft Method

To learn more on how you can conquer your PFAS challenges, visit our PFAS Resource Hub today!

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