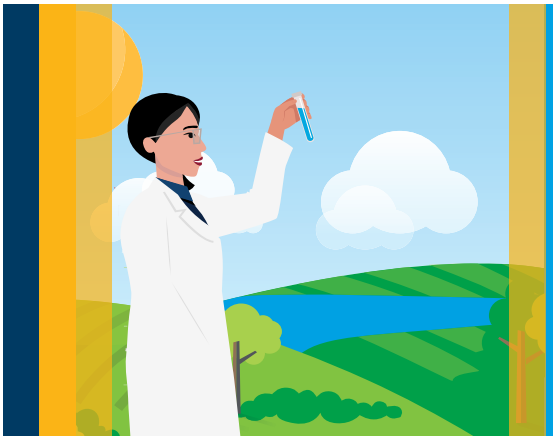

Built for Ultrashort-Chain PFAS. Compatible with C1 to C18.

Agilent Altura Poroshell 120 PFAS columns

Sharper peaks, cleaner backgrounds, and fewer reruns

PFAS panels are expanding—and ultrashort-chain compounds like TFA and PFPrA increasingly drive method performance requirements. Laboratories need dependable retention and resolution for highly polar C1 to C3 PFAS without adding workflow complexity.

The Altura Poroshell 120 PFAS column delivers exactly that with a system-level design: a novel bonded phase, Altura Ultra Inert hardware, and a PFAS delay column that minimizes background interference to support robust, direct-injection LC/MS workflows.

Altura columns offer:

- Reliable retention and resolution for C1 to C3 PFAS for cleaner integration and fewer reruns
- Cleaner baselines using the PFAS delay column to remove system-derived background (for example, TFA, PFBA)
- Large-volume direct injection—up to 200 µL with clean peak shape and no fronting
- Broader C1 to C18 screening capability without constant method switching

To learn about Altura columns, access application notes, and more, visit **www.agilent.com/columns/altura**

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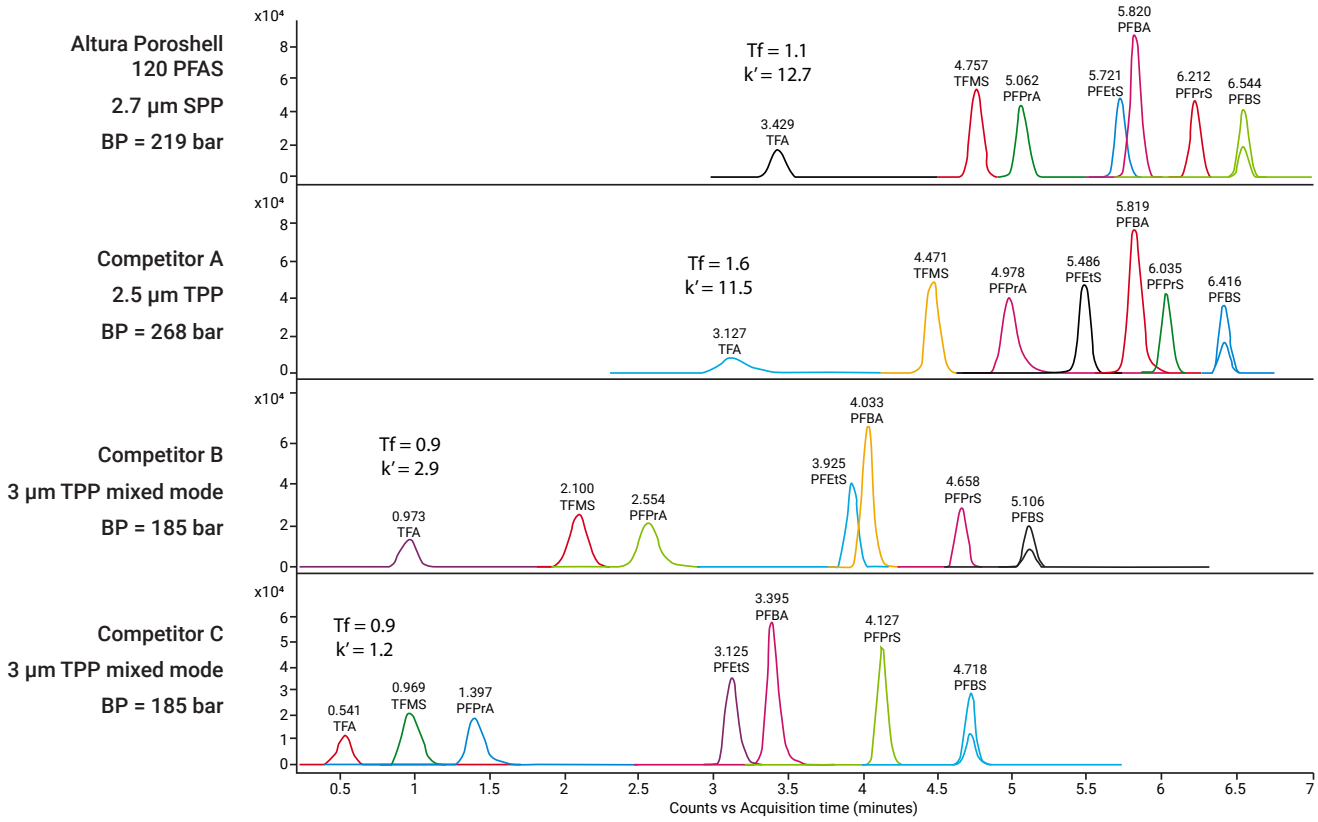
Trusted Answers

Purpose-built for the most challenging PFAS

Altura Poroshell 120 PFAS columns combine superficially porous mixed-mode C18 particles with Ultra Inert hardware to deliver highly sensitive, reproducible PFAS separations.

- Best-in-class retention for ultrashort-chain PFAS with sharper, more symmetrical peaks
- Cleaner early-eluting regions reduce “background versus real” uncertainty
- Fewer reinjections and reruns—faster turnaround and higher sample throughput

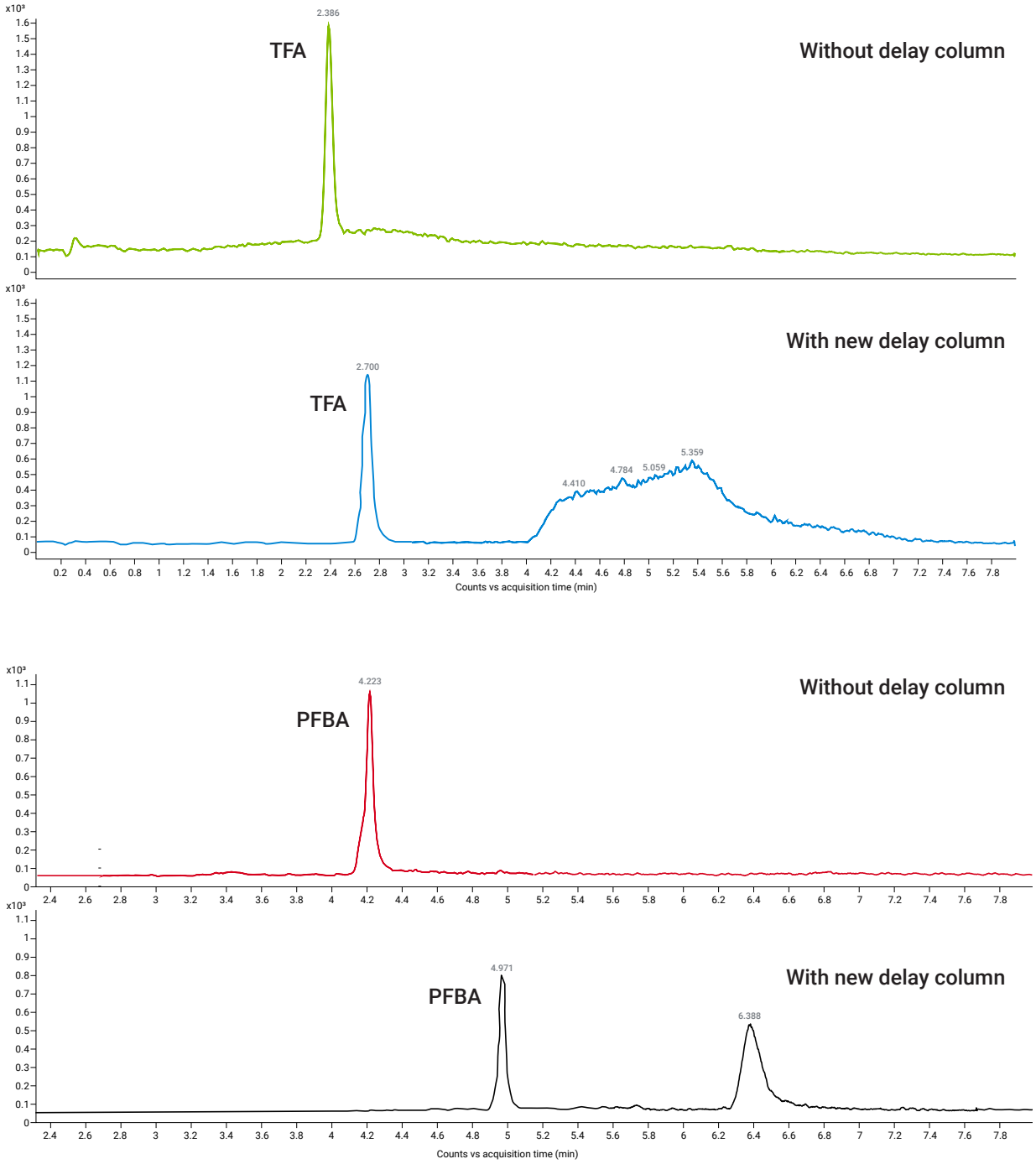


Altura Poroshell 120 PFAS columns provide up to 5× longer retention for C1 to C3 PFAS compared to a leading competitor, giving more room for method optimization and more reliable separations in real-world matrices.

Poroshell PFAS delay column: Cleaner baselines, clearer calls

The delay column separates LC system background—especially TFA and PFBA—from true sample peaks, delivering more confident low-level integration.

- Reduces system-related PFAS background
- Improves visibility of low-level ultrashort-chain PFAS
- Supports more confident reporting with fewer questions about interference

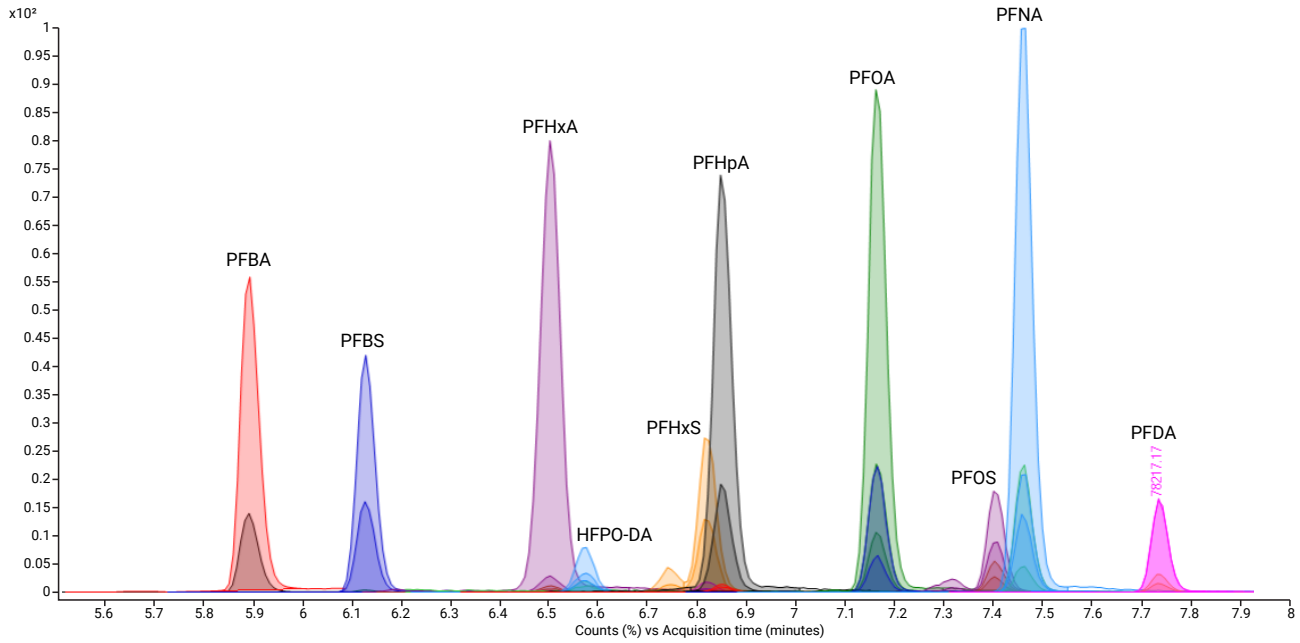


PFAS delay column separates system-derived PFAS from ultrashort-chain sample peaks.

Large-volume direct injection: More throughput, fewer steps

Inject more sample without adding sample preparation steps or compromising peak quality.

- Demonstrated 200 µL direct injection
- No peak fronting or distortion
- Faster throughput with fewer consumables and fewer solvent-effect reruns



Demonstrated 200 µL direct injection with clean peak shapes to support sensitivity and throughput.

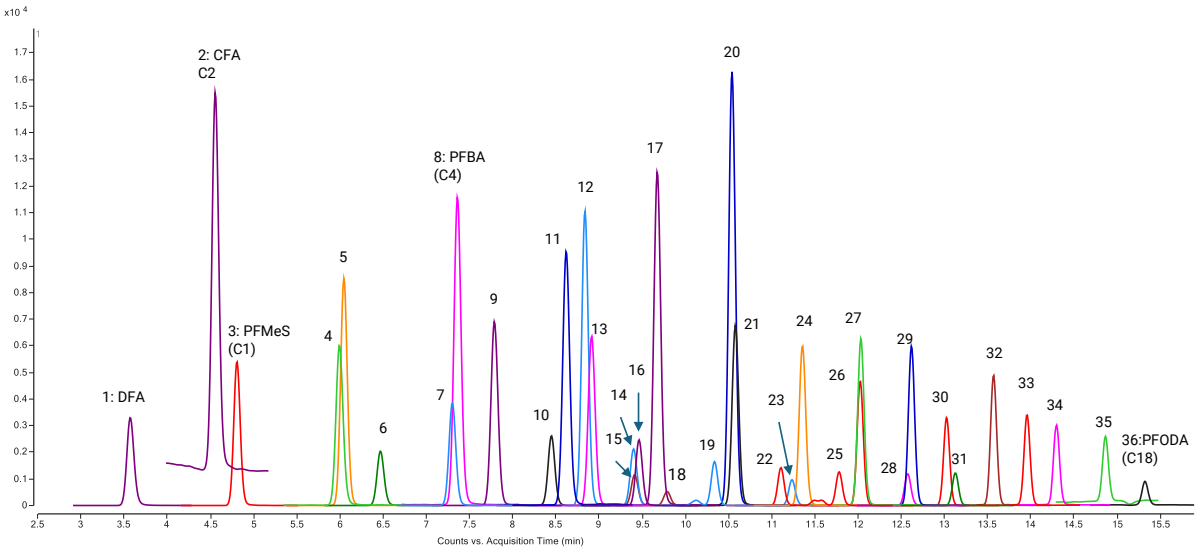
Watch the video to learn how the Altura Poroshell 120 PFAS column can enhance your PFAS analysis.

Click the monitor, or visit:
www.agilent.com/columns/altura-pfas-video

Single-injection C1 to C18 PFAS screening in drinking water

This straightforward LC/MS/MS workflow uses the Altura Poroshell 120 PFAS analytical column paired with the dedicated PFAS delay column.

- Single-injection screening across C1 to C18 as monitoring needs expand
- Up to 100 µL direct injection of acidified water with strong retention for C1 to C3 PFAS
- Practical run times with robust performance across the entire panel
- Reduced method switching for triage, development, and routine reporting



Broad, single-run coverage from C1 to C18: ultrashort-chain PFAS (including DFA, TFA) are retained and separated, while long-chain PFAS elute later with good resolution.

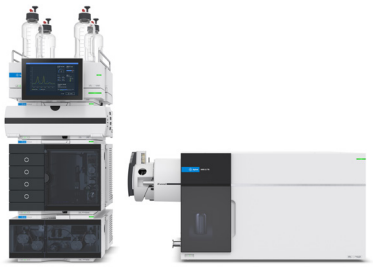
1. DFA; 2. TFA; 3. PFMeS; 4. PFPrA; 5. PFEtS; 6. PFMOAA; 7. PFPrS; 8. PFBA; 9. PFMPA; 10. PFBS; 11. PFPeA; 12. PFEESA; 13. PFMBA; 14. NFDHA; 15. 4:2 TFS; 16. PFPeS; 17. PFHxA; 18: HFPO-DA; 19. PFHxS; 20. ADONA; 21. PFHpA; 22. PFHpS; 23. 6:2FTS; 24. PFOA; 25. PFOS; 26. 9Cl-PF3ONS; 27. PFNA; 28 8:2FTS; 29. PFDA; 30. 11Cl-PF3OUdS; 31. PFUnA; 32. PFDoA; 33. PFTrDA; 34. PFTeDA. 35. PFHxDA; 36. PFODA).

Reference

Fu, R. ***et al***. Simultaneous C1–C18 PFAS Analysis in Drinking Water by Large-Volume Direct Injection Using an Altura Poroshell 120 PFAS Column. *Agilent Technologies application note*, publication number **5994-8895EN**, **2026**.

Ordering information

Part number	Description
227205-007	Altura Poroshell 120 PFAS column, 2.7 µm, 2.1 × 50 mm
227210-007	Altura Poroshell 120 PFAS column, 2.7 µm, 2.1 × 100 mm
227215-007	Altura Poroshell 120 PFAS column, 2.7 µm, 2.1 × 150 mm
027403-007	Altura Poroshell 120 PFAS delay column, 2.7 µm, 4.6 × 30 mm



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