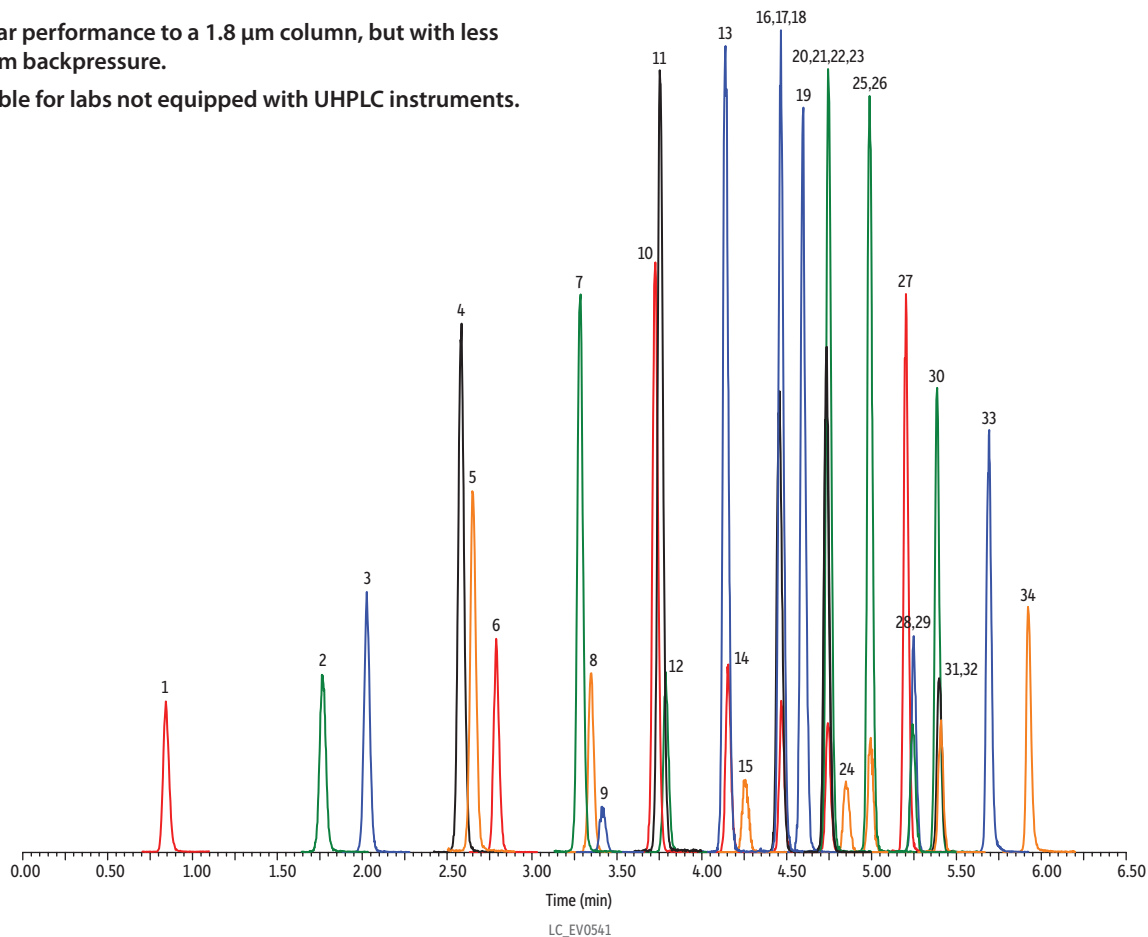


## Perfluorinated Compounds (PFCs) on Raptor C18 (5 µm)

- Similar performance to a 1.8 µm column, but with less system backpressure.
- Suitable for labs not equipped with UHPLC instruments.



Column		Peaks		Conc.		
Raptor C18 (cat.# 9304552)		tr (min)	(ng/mL)	Precursor Ion	Product Ion	
Dimensions:	50 mm x 2.1 mm ID	1. Perfluorobutanoic acid (PFBA)	0.84	5	213.07	169.07
Particle Size:	5 µm	2. Perfluoropentanoic acid (PFPeA)	1.76	5	263.10	219.11
Pore Size:	90 Å	3. Perfluorobutane sulfonic acid (PFBS)	2.03	5	299.10	79.99
Temp.:	40 °C	4. 1H, 1H, 2H, 2H-perfluorohexane sulfonic acid (4:2 FTS)	2.58	5	327.10	307.08
Sample		5. Perfluorohexanoic acid (PFHxA)	2.65	5	313.10	269.12
Diluent:	80:20 Water:methanol	6. Perfluoropentane sulfonic acid (PFPeS)	2.79	5	349.10	79.98
Conc.:	5-250 ng/mL	7. Perfluoroheptanoic acid (PFHpA)	3.29	5	363.16	319.09
Inj. Vol.:	5 µL	8. Perfluorohexane sulfonic acid (PFHxS)	3.35	5	399.13	79.98
Mobile Phase		9. 2-Perfluorohexyl ethanoic acid (FHEA)	3.41	250	377.13	293.07
A:	5 mM Ammonium acetate in water	10. 1H, 1H, 2H, 2H-perfluorooctane sulfonic acid (6:2 FTS)	3.73	5	427.17	407.18
B:	Methanol	11. Perfluorooctanoic acid (PFOA)	3.75	5	413.16	369.10
		12. Perfluoroheptane sulfonic acid (PFHpS)	3.79	5	449.17	79.98
		13. Perfluorononanoic acid (PFNA)	4.14	5	463.16	419.19
		14. Perfluorooctane sulfonic acid (PFOS)	4.16	5	499.17	79.98
		15. 2-Perfluorooctyl ethanoic acid (FOEA)	4.26	250	477.17	393.15
		16. 1H, 1H, 2H, 2H-perfluorodecane sulfonic acid (8:2 FTS)	4.46	5	527.17	507.16
		17. Perfluorodecanoic acid (PFDA)	4.47	5	513.17	469.16
		18. Perfluorononane sulfonic acid (PFNS)	4.47	5	549.17	79.98
		19. N-methyl perfluorooctane sulfonamidoacetic acid (N-MeFOSAA)	4.60	5	570.20	419.17
		20. Perfluorodecane sulfonic acid (PFDS)	4.74	5	599.17	79.98
		21. N-ethyl perfluorooctane sulfonamidoacetic acid (N-EtFOSAA)	4.74	5	584.20	419.18
		22. Perfluorooctane sulfonamide (FOSA)	4.74	5	498.17	77.97
		23. Perfluoroundecanoic acid (PFUnA)	4.74	5	563.23	519.24
		24. 2-Perfluorodecyl ethanoic acid (FDEA)	4.85	250	577.23	493.18
		25. Perfluorododecanoic acid (PFDoA)	4.99	5	613.23	569.19
		26. 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS)	5.00	5	627.23	607.20
		27. Perfluorotridecanoic acid (PFTrDA)	5.20	5	663.23	619.21
		28. N-methyl perfluorooctane sulfonamide (N-MeFOSA)	5.24	5	512.17	169.07
		29. N-methyl perfluorooctane sulfonamidoethanol (N-MeFOSE)	5.25	50	616.27	59.11
		30. Perfluorotetradecanoic acid (PFTeDA)	5.39	5	713.23	669.23
		31. N-ethyl perfluorooctane sulfonamide (N-EtFOSA)	5.41	5	526.23	169.06
		32. N-ethyl perfluorooctane sulfonamidoethanol (N-EtFOSE)	5.41	50	630.33	59.11
		33. Perfluorohexadecanoic acid (PFHxDA)	5.69	5	813.30	769.28
		34. Perfluorooctadecanoic acid (PFODA)	5.92	5	913.30	869.32