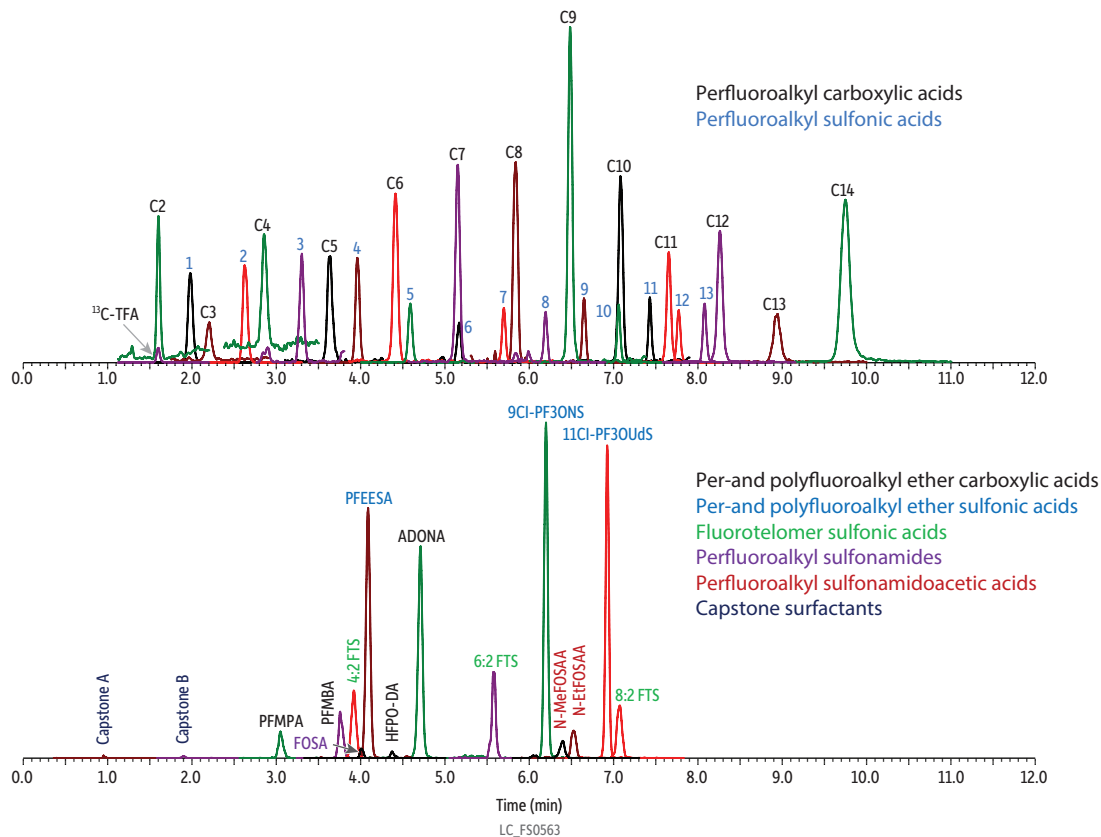


Integrating Ultrashort-Chain Compounds into Comprehensive PFAS Analysis in Liquid Milk



Peaks	tr (min)	Precursor Ion	Quantification Ion	Confirmation Ion	Column	Dimensions:	Particle Size:	Pore Size:	Temp.:	Standard/Sample	Diluent:	Conc.:	Inj. Vol.:	Mobile Phase	A:	B:	Time (min)	Flow (mL/min)	%A	%B	Max Pressure:	Detector	Ion Source:	Ion Mode:	Mode:	Instrument	Sample Preparation	Notes
1. Capstone A	0.95	527.08	507.02	181.06	Ultra Inert IBD (cat.# 9175312-T)	100 mm x 2.1 mm ID	3 µm	100 Å	40 °C																			
2. Trifluoroacetic acid (TFA)	1.60	113.03	69.01																									
3. 13C-Trifluoroacetic acid (13C-TFA)	1.60	114.03	69.03																									
4. Capstone B	1.90	569.07	549.01	445.96																								
5. Trifluoromethanesulfonic acid (TFMS)	1.98	148.97	79.93	98.92																								
6. Perfluoropropanoic acid (PFPrA)	2.21	162.97	119.02																									
7. Perfluoroethanesulfonic acid (PFETs)	2.62	198.90	79.92	98.91																								
8. Perfluoro-3-methoxypropanoic acid (PFMPA)	3.05	228.93	84.97	198.94																								
9. Perfluoropropanesulfonic acid (PFPrS)	3.30	248.97	79.92	98.91																								
10. Perfluoropentanoic acid (PFPeA)	3.64	262.97	218.97																									
11. Perfluoro-4-methoxybutanoic acid (PFMBA)	3.76	278.87	84.96	234.93																								
12. 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	3.92	327.10	307.08	80.83																								
13. Perfluorobutanesulfonic acid (PFBS)	3.96	298.97	79.97	98.89																								
14. Perfluorooctanesulfonamide (FOSA)	4.01	498.17	77.97	477.76																								
15. Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	4.09	314.83	134.94	83.01																								
16. Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.37	285.03	169.02	185.02																								
17. Perfluorohexanoic acid (PFHxA)	4.41	313.10	268.97	118.99																								
18. Perfluoropentanesulfonic acid (PFPeS)	4.59	349.10	79.98	98.98																								
19. 4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	4.71	376.90	250.93	84.97																								
20. Perfluoroheptanoic acid (PFHpA)	5.15	363.16	319.09	169.06																								
21. Perfluorohexanesulfonic acid (PFHxS)	5.17	398.90	79.97	98.89																								
22. 1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	5.57	427.17	407.18	80.71																								
23. Perfluoroheptanesulfonic acid (PFHpS)	5.70	449.17	79.98	98.97																								
24. Perfluorooctanoic acid (PFOA)	5.84	413.10	368.96	168.90																								
25. Perfluorooctanesulfonic acid (PFOS)	6.19	499.03	79.92	98.90																								
26. 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	6.20	530.78	350.85	82.96																								
27. N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	6.40	570.20	419.17	483.16																								
28. Perfluorononanoic acid (PFNA)	6.48	463.10	419.01	219.02																								
29. N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	6.52	584.20	419.18	483.11																								
30. Perfluorononanesulfonic acid (PFNS)	6.65	549.10	79.92	98.83																								
31. 11-Chloroeicosadecafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	6.92	630.78	450.80	82.95																								
32. Perfluorodecanesulfonic acid (PFDS)	7.06	599.17	79.98	98.83																								
33. 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.07	527.17	507.16	80.83																								
34. Perfluorodecanoic acid (PFDA)	7.08	513.17	469.16	219.06																								
35. Perfluoroundecanesulfonic acid (PFUDS)	7.43	648.73	79.94	98.94																								
36. Perfluoroundecanoic acid (PFUnA)	7.65	563.23	519.24	269.07																								
37. Perfluorododecanesulfonic acid (PFDoS)	7.77	698.77	79.95	98.94																								
38. Perfluorotridecanesulfonic acid (PFTriDS)	8.08	748.73	79.94	98.94																								
39. Perfluorododecanoic acid (PFDoA)	8.26	613.23	569.19	169.06																								
40. Perfluorotridecanoic acid (PFTriDA)	8.94	663.23	619.21	169.06																								
41. Perfluorotetradecanoic acid (PFTeDA)	9.75	712.67	668.69	168.94																								