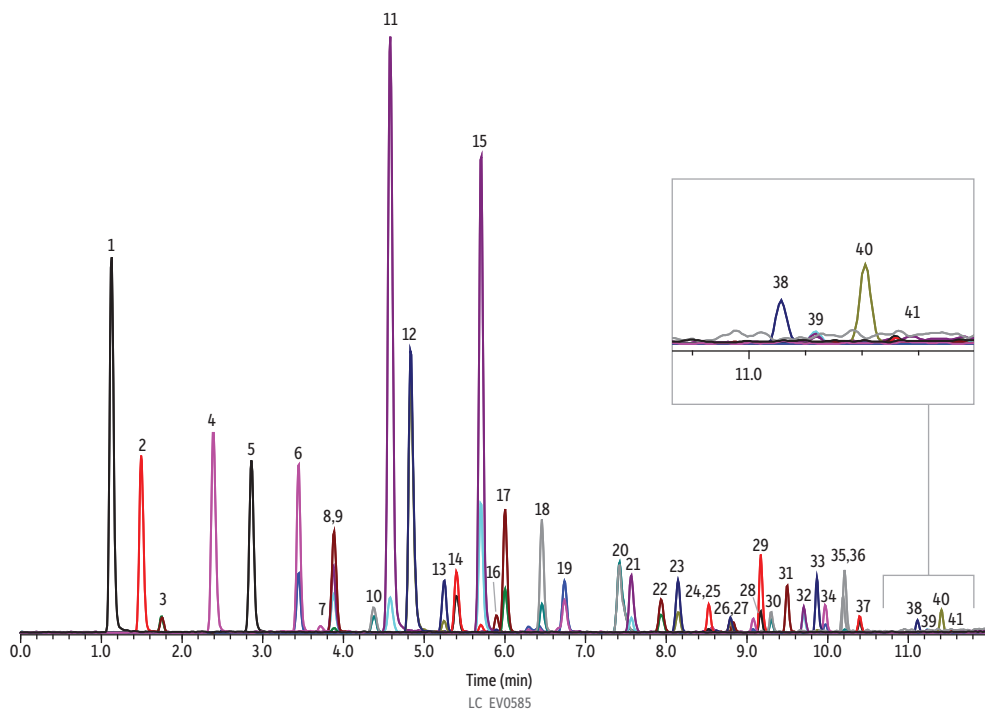


EPA 1633 PFAS on Force C18 by LC-MS/MS using Acetonitrile



Peaks	tr (min)	Conc. (ng/mL)	Precursor 1	Product 1	Product 2	Precursor 2	Product 1
1. Perfluorobutanoic acid (PFBA)	1.13	200	212.8	169.0	-	-	-
2. Perfluoro-3-methoxypropanoic acid (PFMPA)	1.49	100	229.0	85.0	-	-	-
3. 3-Perfluoropropyl propanoic acid (3:3FTCA)	1.75	200	241.0	177.0	117.0	-	-
4. Perfluoropentanoic acid (PFPeA)	2.39	100	263.0	219.0	68.9	-	-
5. Perfluoro-4-methoxybutanoic acid (PFMBA)	2.86	100	279.0	85.0	-	-	-
6. 1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)	3.44	200	327.0	307.0	81.0	-	-
7. Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	3.71	100	294.9	201.1	85.0	-	-
8. Perfluorobutanesulfonic acid (PFBS)	3.87	50	299.0	80.0	99.0	-	-
9. Perfluorohexanoic acid (PFHxA)	3.88	50	313.0	269.0	119.0	-	-
10. Hexafluoropropylene oxide dimer acid (HFPO-DA)	4.37	100	285.0	169.0	185.0	-	-
11. Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	4.58	100	315.0	135.0	83.0	-	-
12. 2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	4.83	20	341.0	237.0	217.0	-	-
13. Perfluoroheptanoic acid (PFHpA)	5.25	50	363.1	319.0	169.0	-	-
14. Perfluoropentanesulfonic acid (PFPeS)	5.40	50	349.0	80.0	99.0	-	-
15. 4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	5.70	100	377.0	251.0	84.8	-	-
16. Taurodeoxycholic acid (TDCA)	5.90	100	498.4	80.0	-	-	-
17. 1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2 FTS)	6.00	200	427.0	407.0	81.0	-	-
18. Perfluorooctanoic acid (PFOA)	6.46	50	413.0	369.0	169.0	-	-
19. Perfluorohexanesulfonic acid (PFHxS)	6.74	50	399.0	80.0	99.0	-	-
20. 3-Perfluoroheptyl propanoic acid (7:3FTCA)	7.42	20	441.0	317.0	337.0	-	-
21. Perfluorononanoic acid (PFNA)	7.57	50	463.0	419.0	219.0	-	-
22. Perfluoroheptanesulfonic acid (PFHpS)	7.94	50	449.0	80.0	99.0	-	-
23. 1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2 FTS)	8.15	200	527.0	507.0	81.0	-	-
24. Perfluorodecanoic acid (PFDA)	8.53	50	513.0	469.0	219.0	-	-
25. N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	8.57	50	570.0	419.0	483.0	-	-
26. Perfluorooctanesulfonic acid (PFOS)	8.80	50	499.0	80.0	99.0	-	-
27. N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	8.83	50	584.0	419.0	526.0	-	-
28. Perfluoroundecanoic acid (PFUnA)	9.08	50	563.0	519.0	269.0	-	-
29. 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	9.17	100	531.0	351.0	-	533.0	353.0
30. Perfluorononanesulfonic acid (PFNS)	9.30	50	549.0	80.0	99.0	-	-
31. Perfluorododecanoic acid (PFDoA)	9.50	50	612.7	568.8	319.0	-	-
32. Perfluorodecanesulfonic acid (PFDS)	9.70	50	598.6	80.0	99.0	-	-
33. Perfluorotridecanoic acid (PFTrDA)	9.87	50	662.8	618.8	169.0	-	-
34. 11-Chloroicosadecafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	9.97	100	631.0	451.0	-	633.0	453.0
35. Perfluorooctanesulfonamide (PFOSA)	10.19	50	498.0	78.0	478.0	-	-
36. Perfluorotetradecanoic acid (PFTeDA)	10.21	50	712.7	668.7	169.0	-	-
37. Perfluorododecanesulfonic acid (PFDoS)	10.40	50	698.7	80.0	99.0	-	-
38. N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	11.11	500	616.0	59.0	-	-	-
39. N-methyl perfluorooctanesulfonamide (NMeFOSA)	11.23	50	511.8	219.0	169.0	-	-
40. N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	11.41	500	630.0	59.0	-	-	-
41. N-ethyl perfluorooctanesulfonamide (NEtFOSA)	11.52	50	526.0	219.0	169.0	-	-

Column Force C18 (cat.# 9634252)
Dimensions: 50 mm x 2.1 mm ID
Particle Size: 1.8 µm
Pore Size: 100 Å
Guard Column: Force C18 EXP guard column cartridge 5 mm, 2.1 mm ID (cat.# 963450252)
Temp.: 40 °C

Standard/Sample
Diluent: Water, 5 mM ammonium acetate
Inj. Vol.: 1 µL

Mobile Phase
A: Water, 5 mM ammonium acetate
B: Acetonitrile

Time (min)	Flow (mL/min)	%A	%B
0.00	0.4	80	20
7.00	0.4	55	45
12.00	0.4	0	100
12.01	0.4	80	20
14.00	0.4	80	20

Detector Shimadzu 8060 MS/MS

Ion Source: Electrospray

Ion Mode: ESI-

Mode: MRM

Instrument Shimadzu Nexera X2

Sample Preparation Samples were aliquoted into a 2.0 mL, 9 mm screw-thread polypropylene vials (cat.# 23242) and capped with 9 mm solid-top polyethylene caps (cat.# 23244).

Notes A PFAS delay column (cat.# 27854) was installed before the injector.