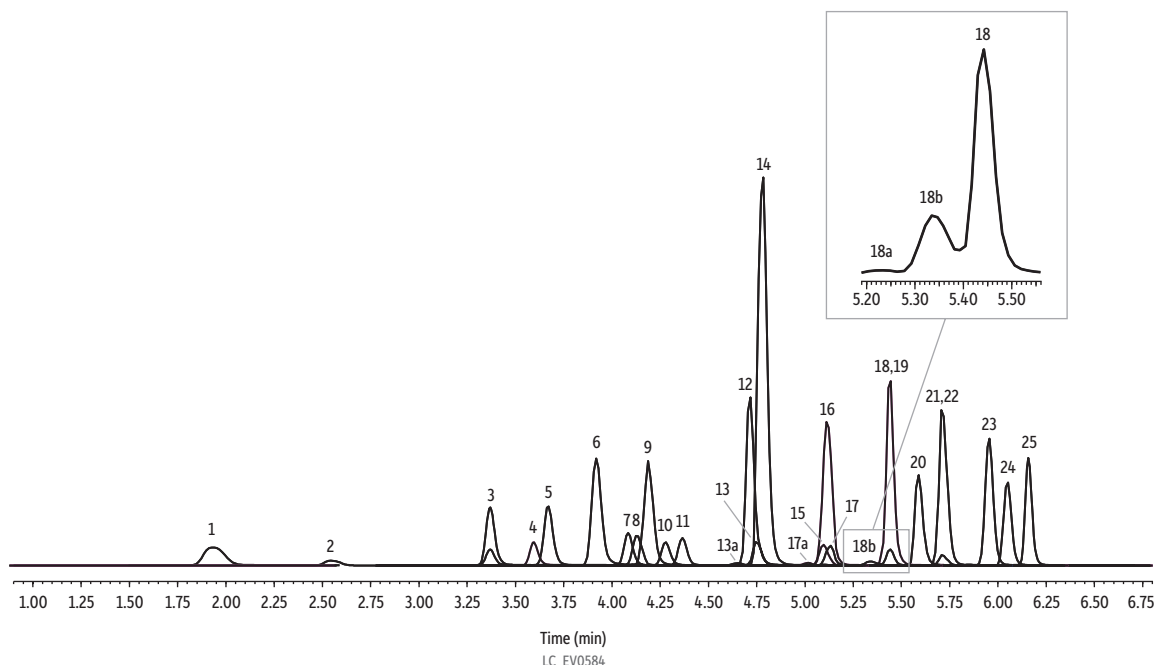


EPA Method 533 PFAS Calibration Standard



Peaks	tr (min)	Conc. (ng/mL)	Precursor Ion	Product Ion	Peaks	tr (min)	Conc. (ng/mL)	Precursor Ion	Product Ion
1. Perfluoro- <i>n</i> -butanoic acid (PFBA)	1.933	25	213	169	14. 4, 8-dioxa-3H-perfluorononanoic acid (ADONA)	4.78	25	277	251
2. Perfluoro-3-methoxypropanoic acid (PFMPA)	2.544	25	229	85	15. 1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	5.096	25	427	407
3. Perfluoro- <i>n</i> -pentanoic acid (PFPeA)	3.369	25	263	219	16. Perfluoro-1-heptanesulfonic acid (PFHpS)	5.132	25	449	80
4. Perfluorobutanesulfonic acid (PFBS)	3.594	25	299	80	17. Perfluorooctanoic acid (PFOA)	5.115	25	413	369
5. Perfluoro-4-methoxybutanoic acid (PFMBA)	3.669	25	279	85	18. Perfluorooctanesulfonic acid (PFOS)	5.441	25	499	80
6. Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	3.919	25	315	135	19. Perfluorononanoic acid (PFNA)	5.439	25	463	419
7. Perfluoro-3,6-dioxahexanoic acid (NFDHA)	4.084	25	295	201	20. 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	5.588	25	531	351
8. 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	4.129	25	327	307	21. 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	5.712	25	527	507
9. Perfluorohexanoic acid (PFHxA)	4.189	25	313	269	22. Perfluorodecanoic acid (PFDA)	5.712	25	513	469
10. Perfluoro-1-pentanesulfonic acid (PFPeS)	4.278	25	349	80	23. Perfluoroundecanoic acid (PFUnA)	5.954	25	563	519
11. Perfluoro(2-methyl-3-oxahexanoic acid (HFPO-DA)	4.365	25	285	169	24. 11-Chloroicosadecafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUDS)	6.049	25	631	451
12. Perfluoroheptanoic acid (PFHpA)	4.715	25	363	319	25. Perfluorododecanoic acid (PFDoA)	6.158	25	613	569
13. Perfluoro-1-hexanesulfonic acid (PFHxS)	4.750	25	399	80					

Column Force C18 (cat.# 9634252)
Dimensions: 50 mm x 2.1 mm ID
Particle Size: 1.8 µm
Pore Size: 100 Å
Temp.: 40 °C
Standard/Sample EPA 533 PFAS calibration standard (cat.# 30736)
Diluent: 80:20 Methanol:water
Conc.: 25 ng/mL
Inj. Vol.: 3 µL
Mobile Phase
A: Water, 5 mM ammonium acetate
B: Methanol

Time (min)	Flow (mL/min)	%A	%B
0.00	0.4	70	20
6.00	0.4	5	95
6.60	0.4	5	95
6.61	0.4	80	20
7.50	0.4	80	20

Detector Shimadzu LCMS-8045
Ion Source: Electrospray
Ion Mode: ESI-
Mode: MRM
Instrument Shimadzu Nexera X2
Notes Branched isomers for PFOA, PFOS, and PFHxS labeled as peak number "a" and "b".
 PFAS delay column used (cat.# 27854).