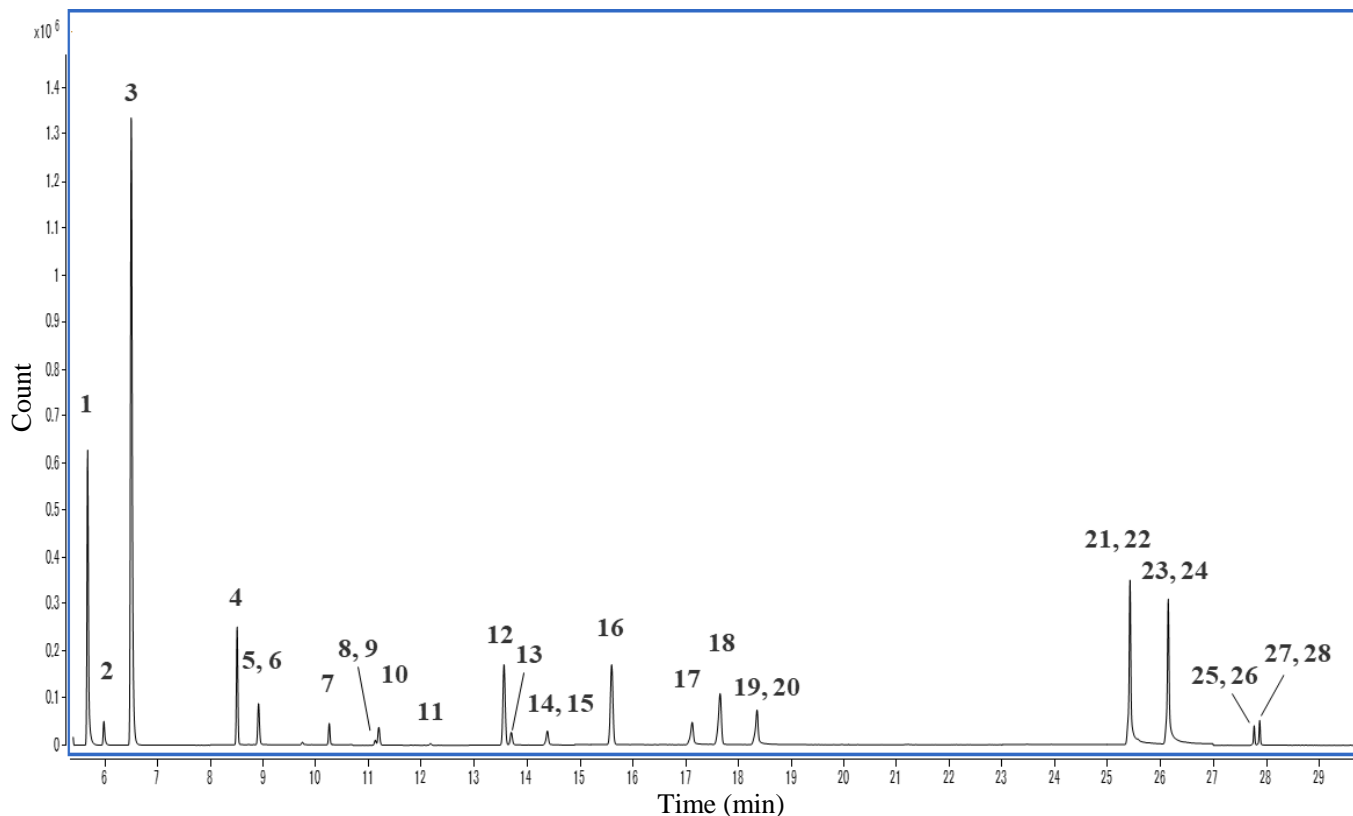


Per- and Polyfluoroalkyl Substances (PFAS)



Conditions

System : Agilent 7010B TQ-GC/MS
Column : InertCap Pure-WAX
 0.25 mm I.D. x 30 m df = 0.25 μ m
Col. Cat. No. : 1010-68142
Col. Temp. : 40 °C(2 min) - 10 °C/min - 200 °C - 20 °C/min - 250 °C(20 min)
Carrier Gas : He 1.2 mL/min
Injection : Splitless 1 min
 200 °C
Detection : TQ-MS MRM
 Interface Temp. 240 °C
Sample Size : Analytes in Dichloromethane/Ethyl acetate (1:1)
 2 μ L (each 5 ng/mL)

Per- and Polyfluoroalkyl Substances (PFAS)

Analyte

No.	Compounds	Abbreviation	R.T. (min)	Transition
1	1,3-Bis(trifluoromethyl)-5-bromobenzene	BTFBB	5.00	292 > 213
2	1H,1H,2H,2H-Perfluorooctyl iodide	6:2FTI	5.13	474 > 263
3	Bromopentafluorobenzene	BPFB	5.60	248 > 167
4	1H,1H,2H,2H-Perfluorodecyl iodide	8:2FTI	6.53	574 > 427
5	1H,1H,2H,2H-Perfluoro-1-hexanol (D ₄)	d ₄ -4:2 FTOH	6.83	199 > 130
6	1H,1H,2H,2H-Perfluoro-1-hexanol	4:2 FTOH	6.90	196 > 127
7	Pentacosafuoro-1-iodododecane	PFDoI	7.25	219 > 69
8	1H,1H,1C,2C-Perfluoro-1-octanol (¹³ C ₂ : D ₂)	¹³ C ₂ -d ₂ -6:2 FTOH	7.82	298 > 129
9	1H,1H,2H,2H-Perfluoro-1-octanol	6:2 FTOH	7.86	296 > 77
10	3-(Perfluorobutyl)propanol	4:3 FTOH	7.99	195 > 175
11	1H,1H,2H,2H-Perfluorododecyl iodide	10:2FTI	8.13	527 > 481
12	3-(Perfluorohexyl)propanol	6:3 FTOH	8.90	295 > 275
13	1H,1H,1C,2C-Perfluoro-1-decanol (¹³ C ₂ : D ₂)	¹³ C ₂ -d ₂ -8:2 FTOH	8.99	409 > 69
14	1H,1H,2H,2H-Perfluoro-1-decanol	8:2 FTOH	9.02	396 > 127
15	Octafluoro-1,4-diiodobutane	PFBuDiI	9.05	327 > 181
16	Perfluoro-1,6-diiodohexane	PFHxDiI	9.75	177 > 127
17	3-(Perfluorooctyl)propanol	8:3 FTOH	9.98	395 > 95
18	1H,1H,1C,2C-Perfluoro-1-dodecanol (¹³ C ₂ : D ₂)	¹³ C ₂ -d ₂ -10:2 FTOH	10.25	515 > 96
19	1H,1H,2H,2H-Perfluoro-1-dodecanol	10:2 FTOH	10.28	505 > 69
20	Hexadecafluoro-1,8-diiodooctane	PFODiI	10.38	527 > 127
21	N-ethyl-d ₅ -perfluoro-1-octanesulfonamide	d ₅ -N-EtFOSA	14.57	433 > 114
22	N-ethylperfluoro-1-octanesulfonamide	NEtFOSA	14.61	448 > 69
23	N-Methyl-d ₃ -perfluoro-1-octanesulfonamide	d ₃ -N-MeFOSA	15.16	450 > 430
24	N-methylperfluoro-1-octanesulfonamide	NMeFOSA	15.19	448 > 428
25	2-(N-methyl-d ₃ -perfluoro-1-octane-sulfonamido)ethan-d ₄ -ol	d ₇ -N-MeFOSE	16.57	465 > 415
26	2-(N-methylperfluoro-1-octanesulfonamido)-ethanol	NMeFOSE	16.59	526 > 462
27	2-(N-ethyl-d ₅ -perfluoro-1-octane-sulfonamido)ethan-d ₄ -ol	d ₉ -N-EtFOSE	16.66	449 > 428
28	2-(N-ethylperfluoro-1-octanesulfonamide)-ethanol	NEtFOSE	16.69	540 > 69