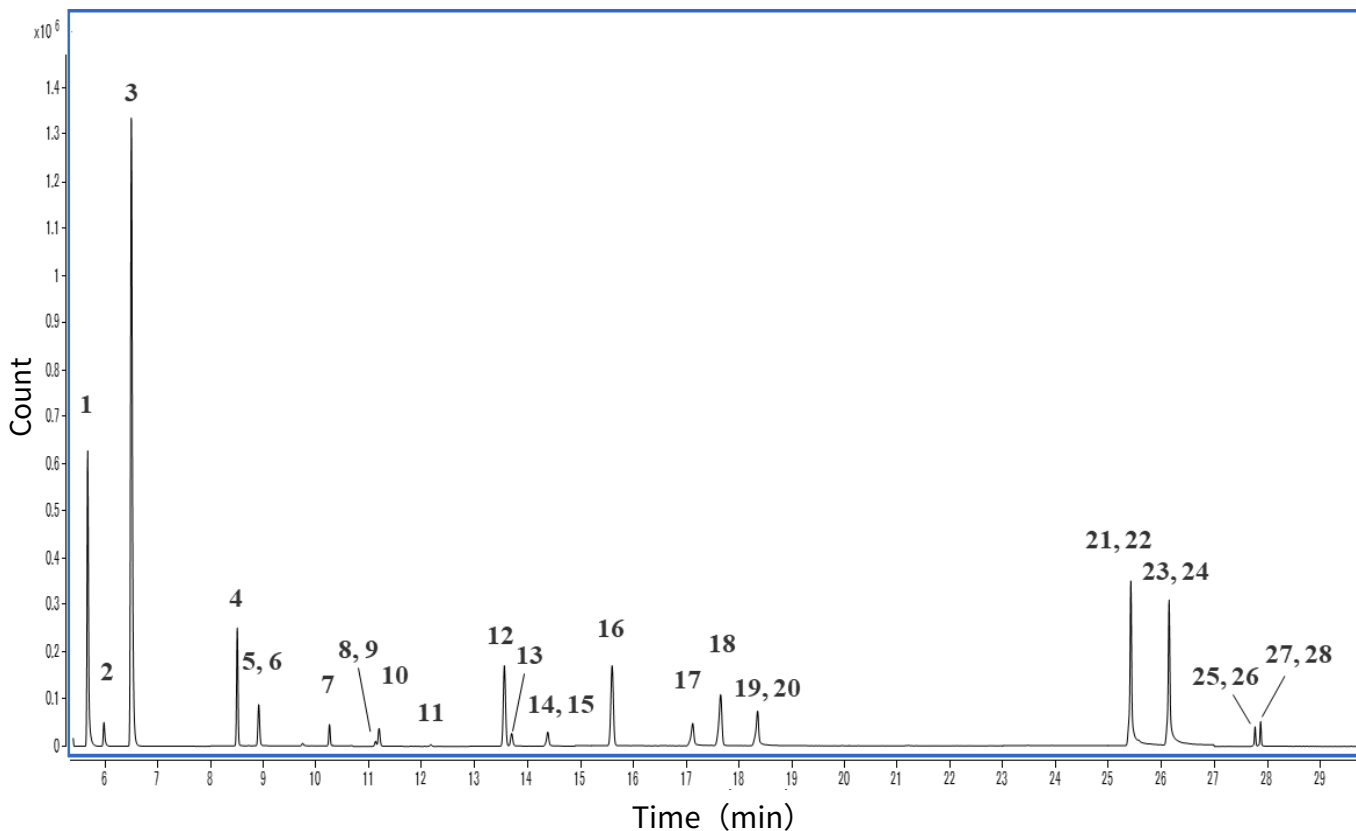


# InertSearch for GC

InertCap Applications

## Per- and Polyfluoroalkyl Substances (PFAS)

Data No. GA336-0888



### Conditions

**System** : Agilent 7010B TQ-GC/MS

**Column** : InertCap Pure-WAX  
0.25 mm I.D. x 30 m df = 0.25  $\mu$ 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  $\mu$ L (each 5 ng/mL)

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## 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 <sub>4</sub> )	d <sub>4</sub> -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 ( <sup>13</sup> C <sub>2</sub> : D <sub>2</sub> )	<sup>13</sup> C <sub>2</sub> -d <sub>2</sub> -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 ( <sup>13</sup> C <sub>2</sub> : D <sub>2</sub> )	<sup>13</sup> C <sub>2</sub> -d <sub>2</sub> -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	PFBuDil	9.05	327 > 181
16	Perfluoro-1,6-diiodohexane	PFHxDil	9.75	177 > 127
17	3-(Perfluorooctyl)propanol	8:3 FTOH	9.98	395 > 95
18	1H,1H,1C,2C-Perfluoro-1-dodecanol ( <sup>13</sup> C <sub>2</sub> : D <sub>2</sub> )	<sup>13</sup> C <sub>2</sub> -d <sub>2</sub> -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	PFODil	10.38	527 > 127
21	N-ethyl-d <sub>5</sub> -perfluoro-1-octanesulfonamide	d <sub>5</sub> -N-EtFOSA	14.57	433 > 114
22	N-ethylperfluoro-1-octanesulfonamide	NEtFOSA	14.61	448 > 69
23	N-Methyl-d <sub>3</sub> -perfluoro-1-octanesulfonamide	d <sub>3</sub> -N-MeFOSA	15.16	450 > 430
24	N-methylperfluoro-1-octanesulfonamide	NMeFOSA	15.19	448 > 428
25	2-(N-methyl-d <sub>3</sub> -perfluoro-1-octane-sulfonamido)ethan-d <sub>4</sub> -ol	d <sub>7</sub> -N-MeFOSE	16.57	465 > 415
26	2-(N-methylperfluoro-1-octanesulfonamido)-ethanol	NMeFOSE	16.59	526 > 462
27	2-(N-ethyl-d <sub>5</sub> -perfluoro-1-octane-sulfonamido)ethan-d <sub>4</sub> -ol	d <sub>9</sub> -N-EtFOSE	16.66	449 > 428
28	2-(N-ethylperfluoro-1-octanesulfonamide)-ethanol	NEtFOSE	16.69	540 > 69