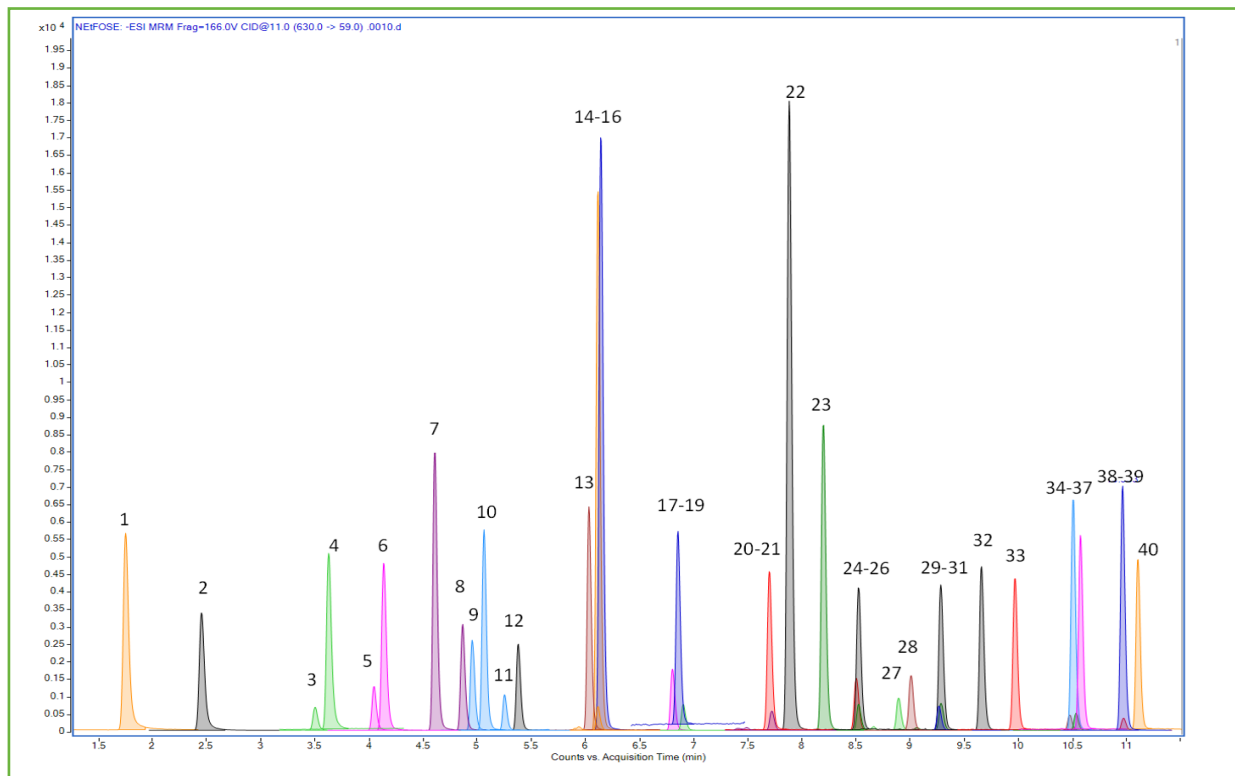




### EPA method 1633 PFAS



Peak #	Compound	Retention Time	Peak #	Compound	Retention Time	Peak #	Compound	Retention Time
1	PFBA	1.75135	16	ADONA	6.13967	31	NEtFOSAA	9.28502
2	PFMPA	2.45145	17	6-2FTS	6.80270	32	11Cl-PF3OUdS	9.65908
3	3-3 FTCA	3.50342	18	PFOA	6.85485	33	PFDoA	9.96475
4	PFPeA	3.62722	19	PFHpS	6.90540	34	NMeFOSA	10.47117
5	PFBS	4.04783	20	PFNA	7.69722	35	NMeFOSE	10.50327
6	PFMBA	4.13398	21	PFOS	7.72580	36	PFDoS	10.52672
7	PFEESA	4.60998	22	7-3 FTCA	7.88195	37	PFTTrA	10.57155
8	NFDHA	4.86550	23	9Cl-PF3ONS	8.19443	38	NEtFOSE	10.96262
9	4-2FTS	4.95623	24	8-2FTS	8.49818	39	NEtFOSA	10.96952
10	PFHxA	5.06188	25	PFDA	8.51965	40	PFTeDA	11.09977
11	PFPeS	5.25643	26	PFNS	8.52130			
12	HFPO-DA	5.37952	27	NMeFOSAA	8.89147			
13	PFHpA	6.03142	28	PFOSA	9.00733			
14	PFHxS	6.11412	29	PFDS	9.26428			
15	5-3 FTCA	6.11698	30	PFUnA	9.28205			



**TEST CONDITIONS:****Analytical Column:** HALO® PFAS, 2.7 µm, 2.1 x 100 mm**Part Number:** 92812-613**Delay Column:** HALO® PFAS Delay, 2.7 µm, 3.0 x 50 mm**Part Number:** 92113-415**Mobile Phase A:** 20 mM Ammonium Acetate**Mobile Phase B:** Methanol

Gradient:	Time	%B
	0.0	20
	12	90
	15	90
	15.1	20
	18	End

**Flow Rate:** 0.4 mL/min**Pressure:** 505 bar**Temperature:** 44 °C**Detection:** -ESI MS/MS**Injection Volume:** 2.0 µL**Sample Solvent:** Methanol (96%) Water (4%)**MS System:** Agilent 6400 series**LC System:** Agilent 1200 series**MS Conditions:****Gas Temp:** 130 °C**Nebulizer:** 25 psi**Gas Flow:** 11 L/min**Sheath Gas Heater:** 250 °C**Capillary:** 3500 V

In 2021 the EPA released method 1633 for the detection and quantification of 40 PFAS compounds in a wide variety of matrices, including aqueous, solid, biosolids, and tissue samples. Here we present the HALO® PFAS solutions for PFAS analysis using EPA method 1633. All of the analytes elute within 12 minutes making it a rapid analysis.

