



**List of PFAS analytes for various analytical methods (last update January 9, 2023)**  
**(columns in gray shading are not yet offered by the MSU PFAS Analytical Laboratory)**

							EPA 8327 (EGLE min. analyte list)				
	Abbreviation	CAS #	MI DHHS blood protocol	Draft EPA 1633	EPA 537.1	EPA 533		FDA C- 010.02	USDA CLG- PFAS2.03	ASTM D7979	ASTM D7968
<b>Matrix:</b>			Blood plasma or serum	DW <sup>a</sup> , NPW <sup>b</sup> , Solids, Biota	DW <sup>a</sup>	DW <sup>a</sup>	NPW <sup>b</sup>	Foods	Foods	NPW <sup>b</sup>	Soil, solids
<b>Analyte Name</b>											
Perfluorobutanoic acid	PFBA	375-22-4	X	X		X	X	X		X	X
Perfluoropentanoic acid	PFPeA	2706-90-3	X	X		X	X	X	X	X	X
Perfluorohexanoic acid	PFHxA	307-24-4	X	X	X	X	X	X	X	X	X
Perfluoroheptanoic acid	PFHpA	375-85-9	X	X	X	X	X	X	X	X	X
Perfluorooctanoic acid	PFOA	335-67-1	X	X	X	X	X	X	X	X	X
Perfluorononanoic acid	PFNA	375-95-1	X	X	X	X	X	X	X	X	X
Perfluorodecanoic acid	PFDA	335-76-2	X	X	X	X	X	X	X	X	X
Perfluoroundecanoic acid	PFUnA	2058-94-8	X	X	X	X	X		X	X	X
Perfluorododecanoic acid	PFDoA	307-55-1	X	X	X	X	X		X	X	X
Perfluorotridecanoic acid	PFTTrDA	72629-94-8	X	X	X		X		X		
Perfluorotetradecanoic acid	PFTeDA	376-06-7	X	X	X		X		X		
Perfluorohexadecanoic acid	PFHxDA	67905-19-5							X		
Perfluorooctadecanoic acid	PFODA	16517-11-6							X		
Perfluoropropanesulfonic acid	PFPrS	423-41-6	X								
Perfluorobutanesulfonic acid	PFBS	375-73-5	X	X	X	X	X	X	X	X	X
Perfluoropentanesulfonic acid	PFPeS	2706-91-4	X	X		X	X	X			
Perfluorohexanesulfonic acid	PFHxS	355-46-4	X	X	X	X	X	X	X	X	X
Perfluoroheptanesulfonic acid	PFHpS	375-92-8	X	X		X	X	X			

Perfluorooctanesulfonic acid	PFOS	1763-23-1	X	X	X	X	X	X	X	X	X
Perfluorononanesulfonic acid	PFNS	68259-12-1	X	X			X				
Perfluorodecanesulfonic acid	PFDS	335-77-3	X	X			X		X		
Perfluorododecanesulfonic acid	PFDoS	79780-39-5		X							
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	4:2 FTS	757124-72-4	X	X		X	X				
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	6:2 FTS	27619-97-2	X	X		X	X				
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	8:2 FTS	39108-34-4	X	X		X	X				
2H,2H,3H,3H-Perfluorohexanoic acid	3:3 FTCA	356-02-5	X								
2H,2H,3H,3H -Perfluorooctanoic acid	5:3 FTCA	914637-49-3	X								
2H,2H,3H,3H -Perfluorodecanoic acid	7:3 FTCA	812-70-4	X								
Perfluorobutanesulfonamide	FBSA	30334-69-1	X								
Perfluorohexanesulfonamide	FhxSA	41997-13-1	X								
Perfluorooctanesulfonamide	PFOSA	754-91-6	X	X			X				
N-methyl perfluorooctanesulfonamide	NMeFOSA	31506-32-8		X			X				
N-ethyl perfluorooctanesulfonamide	NEtFOSA	4151-50-2		X			X				
N-methyl perfluorooctanesulfonamidoacetic acid	NMeFOSAA	2355-31-9	X	X	X		X				
N-ethyl perfluorooctanesulfonamidoacetic acid	NEtFOSAA	2991-50-6	X	X	X		X				
N-methyl perfluorooctanesulfonamidoethanol	NMeFOSE	24448-09-7		X							
N-ethyl perfluorooctanesulfonamidoethanol	NEtFOSE	1691-99-2		X							
Hexafluoropropylene oxide dimer acid	HFPO-DA (GenX)	13252-13-6	X	X	X	X		X			
4,8-Dioxa-3H-perfluorononanoic acid	ADONA	919005-14-4	X	X	X	X		X			
Perfluoro-3-methoxypropanoic acid	PFMPA	377-73-1	X	X		X					
Perfluoro-4-methoxybutanoic acid	PFMBA	863090-89-5	X	X		X					
Nonafluoro-3,6-dioxaheptanoic acid	NFDHA	151772-58-6	X	X		X					
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	9Cl-PF3ONS	756426-58-1	X	X	X	X		X			
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	11Cl-PF3OUdS	763051-92-9	X	X	X	X		X			
Perfluoro(2-ethoxyethane)sulfonic acid	PFEESA	113507-82-7	X	X		X					
3-Perfluoropropyl propanoic acid	3:3FTCA	356-02-5		X							
2H,2H,3H,3H-Perfluorooctanoic acid	5:3FTCA	914637-49-3		X							
3-Perfluoroheptyl propanoic acid	7:3FTCA	812-70-4		X							

Decafluoro-4-(pentafluoroethyl)cyclohexane sulfonate	PFEcHS	646-83-3	X				X			X	X
2-Perfluorohexyl ethanoic acid	FHEA (6:2FTCA)	53826-12-3								X	X
2H-Perfluoro-2-octenoic acid	FHUEA (6:2FTUCA)	70887-88-6								X	X
2-Perfluorooctyl ethanoic acid	FOEA (8:2FTCA)	27854-31-5								X	X
2H-perfluoro-2-decenoic acid	FOUEA (8:2FTUCA)	70887-84-2								X	X
2-Perfluorodecyl ethanoic acid	FDEA (10:2 FTCA)	53826-13-4								X	X
Perfluorobutylsulfonamide	PFBSA	30334-69-1	X				X				
Perfluorohexanesulfonamide	PFHxSA	41997-13-1					X				
<b>Number of analytes measured:</b>			<b>40</b>	<b>40</b>	<b>18</b>	<b>25</b>	<b>29</b>	<b>16</b>	<b>16</b>	<b>18</b>	<b>18</b>

<sup>a</sup>DW = drinking water

<sup>b</sup>NPW = non-potable water (e.g., groundwater, surface water, wastewater, leachate)