

**Select Committee on PFAS Contamination in Waterways and Drinking Water Supplies
Throughout New South Wales
Inquiry Into PFAS Contamination in Waterways and Drinking Water Supplies Throughout
New South Wales**

ANSWERS TO QUESTIONS ON NOTICE
Commonwealth Scientific and Industrial Research Organisation (CSIRO)
5 February 2025

Question

The CHAIR: You mentioned something about 20 or 30 chemicals then. That is what a range of other jurisdictions are doing, or testing for. They have expanded the range of chemicals. I understand there are a lot of unknown chemicals, but there is that number of 20 to 30 where a reasonable amount of research and detection have been done. Those 20 to 30, what is it that the CSIRO is doing with those? Are you able to provide a list of those chemicals that you are working on?

JASON KIRBY: Once again, I'll start with that. Yes, there's no problem with us giving the names of the chemicals that we actually detect.

Answer

Below is the Targeted PFAS analysis list that CSIRO currently analyse for:

No.	Target Analyte Name	Abbreviation	CAS No.
Perfluoroalkylcarboxylic acids			
1	Perfluorobutanoic acid	PFBA	375-22-4
2	Perfluoropentanoic acid	PFPeA	2706-90-3
3	Perfluorohexanoic acid	PFHxA	307-24-4
4	Perfluoroheptanoic acid	PFHpA	375-85-9
5	Perfluorooctanoic acid	PFOA	335-67-1
6	Perfluorononanoic acid	PFNA	375-95-1
7	Perfluorodecanoic acid	PFDA	335-76-2
8	Perfluoroundecanoic acid	PFUnA	2058-94-8
9	Perfluorododecanoic acid	PFDoA	307-55-1
10	Perfluorotridecanoic acid	PFTTrDA	72629-94-8
11	Perfluorotetradecanoic acid	PFTeDA	376-06-7
Perfluoroalkane sulfonic acids			
12	Perfluorobutanesulfonic acid	PFBS	375-73-5

13	Perfluoropentanesulfonic acid	PFPeS	2706-91-4
14	Perfluorohexanesulfonic acid	PFHxS	355-46-4
15	Perfluorheptanesulfonic acid	PFHpS	375-92-8
16	Perfluorooctanesulfonic acid	PFOS	1763-23-1
17	Perfluorononanesulfonic acid	PFNS	68259-12-1
18	Perfluorodecanesulfonic acid	PFDS	335-77-3
19	Perfluorododecanesulfonic acid	PFDoS	79780

Fluorotelomer sulfonic acids

20	1H,1H,2H,2H-Perfluorohexane sulfonic acid	4:2 FTS	757124-72-4
21	1H,1H,2H,2H-Perfluorooctane sulfonic acid	6:2FTS	27619-97-2
22	1H,1H,2H,2H-Perfluorodecane sulfonic acid	8:2FTS	39108-34-4

Perfluorooctane sulfonamides

23	Perfluorooctanesulfonamide	FOSA	754-91-6
24	N-methyl perfluorooctanesulfonamide	NMeFOSA	31506-32-8
25	N-ethyl perfluorooctanesulfonamide	NEtFOSA	4151-50-2

Perfluorooctane sulfonamidoacetic acids

26	N-methyl perfluorooctanesulfonamidoacetic acid	NMeFOSAA	2355-31-9
27	N-ethyl perfluorooctanesulfonamidoacetic acid	NEtFOSSA	2991-50-6

Perfluorooctane sulfonamide ethanols

28	N-methyl perfluorooctanesulfonamidoethanol	NMeFOSE	24448-09-7
29	N-ethyl perfluorooctanesulfonamidoethanol	NEtFOSE	1691-99-2

Per- and polyfluoroether carboxylic acids

30	Hexafluoropropylene oxide dimer acid	HFPO-DA	13252-13-6
31	4,8-Dioxa-3H-perfluorononanoic acid	ADONA	919005-14-4
32	Perfluoro-3-methoxypropanoic acid	PFMPA	377-73-1
33	Perfluoro-4-methoxybutanoic acid	PFMBA	863090-89-5
34	Nonafluoro-3,6-dioxaheptanoic acid	NFDHA	151772-58-6

Ether sulfonic acids

35	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	9CL-PF3ONS	756426-58-1
36	11-Chloroeicasafluoro-3-oxaundecane-1-sulfonic acid	11Cl-PF3OUdS	763051-92-9
37	Perfluoro(2-ethoxyethane) sulfonic acid	PFEESA	113507-82-7

Fluorotelomer carboxylic acids

38	3-Perfluoropropyl propanoic acid	3:3FTCA	356-02-5
39	2H,2H,3H,3H-Perfluorooctanoic acid	5:3FTCA	914637-49-3
40	3-Perfluoroheptyl propanoic acid	7:3FTCA	812-70-4
