



toxtest

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www.toxtest.com.au

This is an **order form** for a PFOS/PFAS **Water** Analysis

Water Analysis

Testing for PFOS and PFAS Chemicals: AU \$187.00

SW-SING-121 PFOS/ PFOA

Extended Suite Routine Detection 0.1ppb or µg/L

Lab Use Only	
Relinquished By:	
Preservation: None / Ice / Ice bricks / Acidified / Filtered / Other:	
Received By:	
Condition on receipt: Ambient / Cool / Frozen / Other:	
Referrer toxtest Email: hart@toxtest.com.au	
Lab Sample Number & ID: SW-SING-121 PFOS/ PFOA	
Date:	Signed:

Please print clearly - Especially email

WATER Details (Tap, Bore, Tank, Hot, Cold, Location etc.)	Date
	Number of Samples
Name:	Phone:
Email:	

Payment Method:

Cheque Money Order Credit Card CC over Phone

Mastercard / Visa No: _____ / _____ / _____ / _____

Exp. Date: _____ Name on Card: _____ CVV: _____

Postal Address: _____

Our Lab Details

Support: P| 0439 54 7788 E| hart@toxtest.com.au

EAL Environmental
Analysis
Laboratory

PO Box 157 (Military Road)

LISMORE NSW 2480

P| 02 6620 3678 F| 02 6620 3957

eal@scu.edu.au, www.scu.edu.au/eal

PFOS and PFAS WATER TEST

Details of Elements Tested | See Next Page

Please complete **Client Details** along with **Payment Method** overleaf -

Note that Payment is directly to EAL.

Sample Collection

A 750ml sample in a clean glass bottle is required. (You can use a mineral water bottle – they are mostly 750ml). This helps avoid inadvertent contamination. Rinse the bottle four times with the sample water before collection. Fill bottle to overflowing, then cap so that minimal air is trapped. For dam, creek or spring waters, take the sample at a 10 to 20-centimetre depth and away from the bottom and sides. Tank waters can be collected at the tap or direct from the tank, depending on preference or access. Bores require pumping out for fifteen to twenty minutes prior to sample collection. If the sample is Drinking Water, make sure you collect it at the point and the temperature (hot or cold water) you actually drink it – i.e. at the tap in the kitchen. Location you got the water, your name and date of sampling, needs to be on the bottle. Package bottle in a box so it is secure and cool as possible and doesn't get damaged or leak. Enclose this form within the box along with any additional tests needed or other instructions.

Samples can be sent by post or courier. **TNT** (131 150) or **TOLL** (131 531) are our preferred couriers. Please use the following delivery address and mark sample as –

URGENT DELIVERY OF SAMPLES FOR TESTING

SOUTHERN CROSS UNIVERSITY

Environmental Analysis Laboratory (EAL)

Ground floor, N Block, Military Road

EAST LISMORE NSW 2480

EAL Contact No. 02 6620 3678 or 0419 984 088

Selective PFOS and PFAS chemicals analysed in this test

This is an **ultra-sensitive test** and requires relatively clean water. We use detection levels down to **0.00001 mg/Litre**

Perfluoroalkyl and polyfluoroalkyl substances (PFASs) are a large group of persistent man-made molecules containing the perfluoroalkyl moiety C_nF_{2n+1} . Regulatory guidelines are available for at least two PFAS chemicals: perfluorooctanoic acid (PFOA) and perfluoro-octane sulfonic acid (PFOS). We do however analyse 34 of the PFAS substances in this single test and will report how results compare to guidelines if when guidelines are available.

See complete list of PFAS substances tested on next page.

Since the 1950s, PFASs have been used in a wide range of industrial and domestic applications, such as processing aids for fluoropolymer manufacture, **surfactants in specific firefighting foams**, and constituents of side-chain-fluorinated polymers for water- and grease- proof textiles and food containers. As a consequence of their widespread use and extreme resistance to environmental degradation mechanisms, PFASs have been universally detected in many environmental compartments, including remote locations far from human settlements.

REF: Per- and polyfluoroalkyl substances (PFASs) in drinking water: Current state of the science by *Xavier Dauchy*
<https://doi.org/10.1016/j.coesh.2018.07.004> and is part of a series entitled Drinking Water Contaminants
<https://www.sciencedirect.com/journal/current-opinion-in-environmental-science-and-health/vol/7/suppl/C>

TOXTEST and EAL

Environmental Analysis Laboratory (EAL): Phone – 02 6620 3678

Toxtest Support: Phone – 0439 54 7788

Number	Analyte Name	Analyte Acronym	CAS Number
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	PFUnDA	2058-94-8
9	Perfluorododecanoic acid	PFDoDA	307-55-1
10	Perfluorotridecanoic acid	PFTTrDA	72629-94-8
11	Perfluorotetradecanoic acid	PFTeDA	376-06-7
12	Perfluorohexadecanoic acid	PFHxDA	67905-19-5
13	Perfluorooctadecanoic acid	PFODA	16517-11-6
14	Perfluorobutane sulfonic acid	PFBS	375-73-5
15	Perfluoropentane sulfonic acid	PFPeS	2706-91-4
16	Perfluorohexane sulfonic acid	PFHxS	355-46-4
17	Perfluoroheptane sulfonic acid	PFHpS	375-92-8
18	Perfluorooctane sulfonic acid	PFOS	1763-23-1
19	Perfluorononane sulfonic acid	PFNS	335-77-3
20	Perfluorodecane sulfonic acid	PFDS	67906-42-7
21	Perfluorododecane sulfonic acid	PFDoS	79780-39-5
22	4:2 Fluorotelomer sulfonic acid	4:2 FTS	757124-72-4
23	6:2 Fluorotelomer sulfonic acid	6:2 FTS	27619-97-2
24	8:2 Fluorotelomer sulfonic acid	8:2 FTS	39108-34-4
25	10:2 Fluorotelomer sulfonic acid	10:2 FTS	120226-60-0
26	6:2 Fluorotelomer acid	6:2 FTA	53826-12-3
27	Perfluorooctane sulfonamide	FOSA	754-91-6
28	Perfluorooctane sulfonamidoacetic acid	FOSAA	2806-24-8
29	N-Ethyl perfluorooctane sulfonamide	EtFOSA	4151-50-2
30	N-Methyl perfluorooctane sulfonamide	MeFOSA	31506-32-8
31	N-Ethyl perfluorooctane sulfonamidoethanol	EtFOSE	1691-99-2
32	N-Methyl perfluorooctane sulfonamidoethanol	MeFOSE	24448-09-7
33	N-Ethyl perfluorooctane sulfonamidoacetic acid	EtFOSAA	2991-50-6
34	N-Methyl perfluorooctane sulfonamidoacetic acid	MeFOSAA	2355-31-9