

Extended Per- and Polyfluoroalkyl Substances (PFAS) monitoring at targeted inland surface water sites 2024

Office of Radiation Protection
and Environmental Monitoring

December 2024



Environmental Protection Agency

The EPA is responsible for protecting and improving the environment as a valuable asset for the people of Ireland. We are committed to protecting people and the environment from the harmful effects of radiation and pollution.

The work of the EPA can be divided into three main areas:

- **Regulation:** Implementing regulation and environmental compliance systems to deliver good environmental outcomes and target those who don't comply.
- **Knowledge:** Providing high-quality, targeted and timely environmental data, information and assessment to inform decision making.
- **Advocacy:** Working with others to advocate for a clean, productive and well-protected environment and for sustainable environmental practices.

Our responsibilities include:

LICENSING

- Large-scale industrial waste and petrol storage activities;
- Urban wastewater discharges;
- The contained use and controlled release of genetically modified organisms;
- Sources of ionising radiation;
- Greenhouse gas emissions from industry and aviation through the EU Emissions Trading Scheme.

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- Audit and inspection of EPA-licensed facilities;
- Drive the implementation of best practice in regulated activities and facilities;
- Oversee local authority responsibilities for environmental protection;
- Regulate the quality of public drinking water and enforce urban wastewater discharge authorisations;
- Assess and report on public and private drinking water quality;
- Coordinate a network of public service organisations to support action against environmental crime;
- Prosecute those who flout environmental law and damage the environment.

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- Implement and enforce waste regulations including national enforcement issues;
- Prepare and publish national waste statistics and the National Hazardous Waste Management Plan;
- Develop and implement the National Waste Prevention Programme;
- Implement and report on legislation on the control of chemicals in the environment.

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- Engage with national and regional governance and operational structures to implement the Water Framework Directive;
- Monitor, assess and report on the quality of rivers, lakes, transitional and coastal waters, bathing waters and groundwaters, and measurement of water levels and river flows.

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- Publish Ireland's greenhouse gas emission inventories and projections;
- Provide the Secretariat to the Climate Change Advisory Council and support to the National Dialogue on Climate Action;
- Support National, EU and UN climate science and policy development activities.

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- Design and implement national environmental monitoring systems: technology, data management, analysis and forecasting;
- Produce the State of Ireland's Environment and Indicator Reports;
- Monitor air quality and implement the EU Clean Air for Europe Directive, the Convention on Long Range Transboundary Air Pollution and the National Emissions Ceiling Directive;
- Oversee the implementation of the Environmental Noise Directive;
- Assess the impact of proposed plans and programmes on the Irish environment.

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- Coordinate and fund national environmental research activity to identify pressures, inform policy and provide solutions;
- Collaborate with national and EU environmental research activity.

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- Assist in developing national plans for emergencies arising from nuclear accidents;
- Monitor developments abroad relating to nuclear installations and radiological safety;
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- Provide independent evidence-based reporting, advice and guidance to government, industry and the public on environmental and radiological protection topics;
- Promote the link between health and wellbeing, the economy and a clean environment;
- Promote environmental awareness including supporting behaviours for resource efficiency and climate transition;
- Promote radon testing in homes and workplaces and encourage remediation where necessary.

PARTNERSHIP AND NETWORKING

- Work with international and national agencies, regional and local authorities, non-governmental organisations, representative bodies and government departments to deliver environmental and radiological protection, research coordination and science-based decision making.

MANAGEMENT AND STRUCTURE OF THE EPA

The EPA is managed by a full-time Board, consisting of a Director General and five Directors. The work is carried out across five Offices:

- Office of Environmental Sustainability
- Office of Environmental Enforcement
- Office of Evidence and Assessment
- Office of Radiation Protection and Environmental Monitoring
- Office of Communications and Corporate Services

The EPA is assisted by advisory committees who meet regularly to discuss issues of concern and provide advice to the Board.

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Introduction

Per- and polyfluoroalkyl substances (PFAS) are a large group of synthetic chemicals. Their unique properties include repelling water and oil, thermal and chemical stability, and surfactant properties, and are therefore present in a wide range of consumer products and industrial applications. Due to their strong carbon-fluorine bonds, they are resistant to degradation both during use, and if released to the environment. Most PFAS are also easily transported through the environment, meaning they can be found long distances away from the original source of their release.

Two PFAS are monitored routinely through the Water Framework Directive (WFD) monitoring programme at surveillance sites across the country. This routine monitoring focuses on two of the most prevalent PFAS substances, Perfluorooctane Sulfonic Acid (PFOS) and Perfluorooctanoic Acid (PFOA). Since monitoring began in 2019, information has been gathered on PFOS and PFOA concentrations at approximately 150 surveillance sites across Ireland.

In 2023, an additional fourteen sampling sites were monitored for PFOS and PFOA as part of a targeted approach to monitoring for these substances. These sites were selected based on proximity to suspected PFAS sources or where PFAS were previously detected. This monitoring aimed to enhance understanding of the extent of PFAS in Ireland's inland aquatic environment, as well as providing information on sites known to have PFAS sources nearby. These sites were monitored in 2023 and 2024 along with two additional sites which were added to this programme at the request of two local authorities, who were also interested in further understanding of PFAS near areas impacted by PFAS sources.

An in-depth monitoring study looking at a wider range of PFAS was undertaken during Q3 of 2024 at these sixteen targeted sites to further understand the extent of PFAS in Ireland's aquatic environment. Each site was monitored once during a one-off sampling event between June and September 2024. Forty-eight individual PFAS were analysed in each sample.

Water Framework Directive

Perfluorooctane sulfonic acid and its derivatives (PFOS) were added to the priority substance list of the WFD in 2013. The existing Environmental Quality Standard (EQS) for PFOS under the WFD for inland surface waters, as set in Directive 2013/39/EU, is as follows:

- the annual average EQS (AA-EQS) value is 0.00065 µg/L.
- the maximum allowable concentration EQS (MAC-EQS) value is 36 µg/L.

There is also a European Commission proposal to revise the list of priority substances under the WFD which, at present in the draft, proposes an AA-EQS value of 0.0044 µg/l

for a group of 24 PFAS, based on Perfluorooctanoic acid (PFOA) equivalents. Each substance is assigned a relative potency factor in this weighted calculation.

Persistent Organic Pollutants Regulation

Perfluorooctane sulfonic acid (PFOS), its salts and perfluorooctane sulfonyl fluoride (PFOSF), Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds, and Perfluorohexane sulfonic acid (PFHxS), its salts and PFHxS-related compounds are all listed as persistent organic pollutants under the United Nations Stockholm Convention on Persistent Organic Pollutants (POPs). There are provisions in the Stockholm Convention to reduce and/or cease use of POPs, with the aim of minimising the release of POPs substances into the environment. This is implemented in Europe through the POPs Regulation (EU) 2019/1020.

PFOA and PFHxS compounds are listed within the Convention under Annex A, where parties must take measure to eliminate the production and use of the chemicals, while PFOS compounds are listed under Annex B of the Convention, meaning parties must take measure to restrict the production and use, with limited acceptable uses or exemptions.

Drinking Water Directive

The recast EU Drinking Water Directive (EU 2020/2184) includes limits for PFAS in potable water. These limits are set at 0.5 µg/L for total PFAS and 0.1 µg/L for the sum of 20 PFAS of most concern. There is an option to choose one or both limits. The Directive sets out a requirement to monitor for PFAS starting in 2026.

Study in 2024

To gather additional information on PFAS, an analysis of a broader suite of PFAS was conducted at sixteen targeted freshwater river and lake sites. This study at the sites shown in Table 1 below and in the map in Figure 1 aimed to enhance knowledge of a wider range of PFAS to support discussions regarding POPs in the environment, particularly PFHxS where there has been a knowledge gap around its presence in the Irish environment. Additionally, the study sought to provide a more comprehensive understanding of PFAS in anticipation of potential amendments to the WFD Priority Substance list.

Table 1 - List of 16 targeted monitoring locations

River or Lake Code	River/Lake	Description	County	Reason for inclusion
RS08W010300	WARD	Br N of Killeek	Dublin	Near Potential Source (Airport)
RS09S070200	SLUICE	SLUICE - Sluice River DS Cottages	Dublin	Near Potential Source (Airport)
RS08H020500	HUNTSTOWN STREAM	HUNTSTOWN STREAM - Br nr Luttrell's Crossroads ('Ballystrahan')	Dublin	Near Potential Source (Airport)
RS09L012100	LIFFEY	Lucan Br	Dublin	Near Potential Source (Airport & WWTP)
RS09C020250	CAMAC	Br SE of Baldonnell Ho	Dublin	Near Potential Source (Airport)
RS34S020060	SONNAGH	Bridge NE of Stripe	Mayo	Near Potential Source (Airport)
RS25B090100	BROSNA	Butler's Br	Westmeath	Near known PFAS Detection
RS25B090200	BROSNA	BROSNA - Newell's Br	Westmeath	Near known PFAS Detection
RS26S021720	SHANNON	Athlone: Burgess Park (LHS)	Westmeath	Near known PFAS Detection
EA072740050	Lene	LL1, Biota/Fish/Hymo reporting function	Westmeath	Near known PFAS Detection
SH267030060	Owel	B, Biota/Fish/Hymo reporting function	Westmeath	Near known PFAS Detection
RS28C021400	CREEGH	Bridge at Creegh	Clare	Near known PFAS Detection
RS14B012700	BARROW	Leighlinbridge	Carlow	Near known PFAS Detection
RS19T050200	TWO POT	TWO POT (Cork City) - Curragheen Road Br	Cork	Near Potential Source (Airport)
RS19O011000	OWENBOY	Bealahareagh Br	Cork	Near Potential Source (Airport)
RS25B280380	BROSNA NORTH	1.1 km d/s L Owel (u/s fish farm)	Westmeath	Near known PFAS Detection



Figure 1 - Map of 16 targeted monitoring locations

Sample Analysis

This larger suite of analysis included 48 individual PFAS. Table 2 below provides information on each substance, as well as relevant legislation.

Table 2 - Substances analysed and relevant legislation

Substance	CAS No	WFD Priority Substance	Proposal for WFD Priority Substance	Persistent Organic Pollutant	Drinking Water Substance
3:3 FTCA	356-02-5				
4:2 FTSA	757124-72-4				
5:3 FTCA	914637-49-3				
6:2 Cl-PFESA	756426-58-1				
6:2 FTAB	34455-29-3				
6:2 FTSA	27619-97-2				
7:3 FTCA	812-70-4				
8:2 Cl-PFESA	763051-92-9				
8:2 FTSA	39108-34-4			X (*PFOA Isomer)	
DONA	919005-14-4				
EtFOSA	4151-50-2			X (* PFOS Derivative)	
EtFOSE	1691-99-2			X (* PFOS Derivative)	
FBSA	30334-69-1				
FHxSA	41997-13-1				
FOSA	754-91-6				
HFPO-DA (Gen X)	13252-13-6		X		
HFPO-TA	13252-14-7				
MeFOSA	31506-32-8			X (* PFOS Derivative)	
MeFOSE	24448-09-7			X (* PFOS Derivative)	
NEtFOSAA	2991-50-6				
NFDHA	151772-58-6				
NMeFOSAA	2355-31-9				
PFBA	375-22-4		X		X
PFBS	375-73-5		X		X
PFDA	335-76-2		X		X
PFDoA	307-55-1		X		X
PFDoS	79780-39-5				X
PFDS	335-77-3		X		X
PFecHS	133201-07- 7/646-83-3				
PFEESA	113507-82-7				
PFHpA	375-85-9		X		X

PFHpS	375-92-8		X		X
PFHxA	307-24-4		X		X
PFHxDA	67905-19-5		X		
PFHxS	355-46-4		X	X	X
PFMOBA	863090-89-5				
PFMOPrA	377-73-1				
PFNA	375-95-1		X		X
PFNS	68259-12-1				X
PFOA	335-67-1		X	X	X
PFODA	16517-11-6		X		
PFOS	1763-23-1	X	X	X	X
PFPeA	2706-90-3		X		X
PFPeS	2706-91-4		X		X
PFTeA	376-06-7		X		
PFTrDA	72629-94-8		X		X
PFUnA	2058-94-8		X		X
PFUnDS	749786-16-1				X

Limitations

As this was a one-off sampling campaign these results cannot be used in isolation to assess compliance with the PFOS AA-EQS. However, for the purpose of this study the results are taken as indicative of PFAS concentrations at the sampling location during the period studied.

Some quality issues arose during analysis as noted in the tables provided in the Annex, such as samples analysed outside of hold times, or adjusted LOQs based on dilutions or recovery values within the analytical method.

Data and Findings

Table 3 below shows all PFAS detected above the method Limit of Quantitation (LOQ) during the campaign at each site, see highlighted cells. Substances not listed in the table were not detected above the method LOQ during this campaign. A full list of results can be found in Annex I.

Table 3 - PFAS detections by monitoring location

Site Code	RS08W010300	RS09S070200	RS08H020500	RS09L012100	RS09C020250	RS34S020060	RS25B090100	RS25B090200	RS26S021720	EA072740050
River	WARD	SLUICE	HUNTSTOWN	LIFFEY	CAMAC	SONNAGH	BROSNA	BROSNA	SHANNON	Lene
County	DUBLIN	DUBLIN	DUBLIN	DUBLIN	DUBLIN	MAYO	WESTMEATH	WESTMEATH	WESTMEATH	WESTMEATH
Unit	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
PFBA	0.00392	0.01022	0.00422	0.00763	<0.00171	<0.00171	0.00557	0.00434	0.00209	0.00199
PFPeA	0.0049	0.0204	0.00286	0.00415	<0.00157	<0.00157	0.00222	<0.00314	<0.00157	No Result
PFHxA	0.00352	0.01093	0.00169	0.00297	0.0006	<0.00037	0.00268	0.00144	0.00061	<0.00037
PFHpA	0.0014	0.00471	0.00072	0.00122	<0.00055	<0.00055	0.00202	0.00122	<0.00055	<0.00055
PFOA	0.00114	0.00318	0.00075	0.00152	0.00071	<0.00053	0.02404	0.0126	0.00087	0.00124
PFNA	<0.00100	0.00063	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00100	<0.00050	<0.00050
PFDA	<0.00054	<0.00027	0.00065	<0.00027	<0.00027	<0.00027	<0.00027	<0.00054	<0.00027	<0.00027
PFUnA	<0.00128	<0.00064	0.00183	<0.00064	<0.00064	<0.00064	<0.00064	<0.00128	<0.00064	<0.00064
PFDoA	<0.00254	<0.00127	0.00178	<0.00127	<0.00127	<0.00127	<0.00127	<0.00254	<0.00127	<0.00127
PFTeA	<0.00090	<0.00045	0.00057	<0.00045	<0.00045	<0.00045	<0.00045	<0.00090	<0.00045	<0.00045
PFBS	0.00076	0.00111	<0.00036	0.01193	<0.00036	<0.00036	0.00051	<0.00072	<0.00036	<0.00036
PFPeS	<0.00094	0.00049	<0.00047	<0.00047	<0.00047	<0.00047	<0.00047	<0.00094	<0.00047	<0.00047
PFHxS	<0.00096	0.00236	0.0005	<0.00048	<0.00048	<0.00048	<0.00048	<0.00096	<0.00048	<0.00048
PFHpS	<0.00100	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	No Result	<0.00050	<0.00050
PFOS	<0.00102	0.00728	0.00125	0.00076	0.00126	<0.00051	0.00057	<0.00102	<0.00051	No Result
PFNS	<0.00126	<0.00063	0.00155	<0.00063	<0.00063	<0.00063	<0.00063	No Result	<0.00063	<0.00063
PFDS	<0.00212	<0.00106	0.00174	<0.00106	<0.00106	<0.00106	<0.00106	No Result	<0.00106	<0.00106
6:2 FTSA	<0.00098	0.00701	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00098	<0.00049	<0.00049
NMeFOSAA	<0.00172	<0.00086	0.00157	<0.00086	<0.00086	<0.00086	<0.00086	<0.00172	<0.00086	<0.00086
NEtFOSAA	<0.00170	<0.00085	0.00177	<0.00085	<0.00085	<0.00085	<0.00085	<0.00170	<0.00085	<0.00085
PFMOPrA	<0.00064	<0.00032	<0.00032	0.00053	<0.00032	<0.00032	<0.00032	<0.00064	<0.00032	<0.00032
6:2 Cl-PFESA	<0.00076	<0.00038	0.00052	<0.00038	<0.00038	<0.00038	<0.00038	<0.00076	<0.00038	<0.00038
8:2 Cl-PFESA	<0.00226	<0.00113	0.00117	<0.00113	<0.00113	<0.00113	<0.00113	<0.00226	<0.00113	<0.00113
3:3 FTCA	<0.00132	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	<0.00066	<0.00132	<0.00066	<0.00066
5:3 FTCA	<0.00130	<0.00065	<0.00065	<0.00065	<0.00065	<0.00065	<0.00065	<0.00130	<0.00065	<0.00065

Site Code	SH267030060	RS28C021400	RS14B012700	RS19O011000	RS19T050200	RS25B280380
River	Owel	CREEGH	BARROW	OWENBOY	TWO POT	BROSNA NORTH
County	WESTMEATH	CLARE	CARLOW	CORK	CORK	WESTMEATH
Unit	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
PFBA	<0.00171	0.00306	<0.00171	0.00696	No Result	<0.00342
PFPeA	No Result	<0.00157	<0.00157	0.0252	0.2768	<0.00314
PFHxA	0.00043	<0.00037	0.00066	0.0098	0.1703	<0.00074
PFHpA	0.00056	<0.00055	<0.00055	0.00566	0.0732	<0.00110
PFOA	0.0042	0.00194	<0.00053	0.00288	0.0304	0.00636
PFNA	<0.00050	<0.00050	<0.00050	0.00178	0.00458	<0.00100
PFDA	<0.00027	<0.00027	0.00041	<0.00054	0.0007	<0.00054
PFUnA	<0.00064	<0.00064	0.00068	<0.00128	0.00069	<0.00128
PFDaA	<0.00127	<0.00127	<0.00127	<0.00254	<0.00635	<0.00254
PFTeA	<0.00045	<0.00045	<0.00045	<0.00090	<0.00045	<0.00090
PFBS	<0.00036	<0.00036	<0.00036	<0.00072	0.0037	<0.00072
PFPeS	<0.00047	<0.00047	<0.00047	<0.00094	0.00448	<0.00094
PFHxS	<0.00048	<0.00048	<0.00048	0.00152	0.04435	<0.00096
PFHpS	<0.00050	<0.00050	<0.00050	<0.00100	0.00314	<0.00100
PFOS	No Result	<0.00051	<0.00051	0.01384	0.06695	<0.00102
PFNS	<0.00063	<0.00063	<0.00063	<0.00126	<0.00063	<0.00126
PFDS	<0.00106	<0.00106	<0.00106	<0.00212	<0.00530	<0.00212
6:2 FTSA	<0.00049	<0.00049	<0.00049	0.01086	0.1886	<0.00098
NMeFOSAA	<0.00086	<0.00086	<0.00086	<0.00172	<0.00086	<0.00172
NEtFOSAA	<0.00085	<0.00085	<0.00085	<0.00170	<0.00085	<0.00170
PFMOPrA	<0.00032	<0.00032	<0.00032	<0.00064	<0.00032	<0.00064
6:2 Cl-PFESA	<0.00038	<0.00038	<0.00038	<0.00076	0.00039	<0.00076
8:2 Cl-PFESA	<0.00113	<0.00113	<0.00113	<0.00226	<0.00113	<0.00226
3:3 FTCA	<0.00066	<0.00066	<0.00066	<0.00132	0.00211	<0.00132
5:3 FTCA	<0.00065	<0.00065	<0.00065	<0.00130	0.00963	<0.00130

Discussion

As this was a one-off monitoring campaign, the concentrations detected cannot be used for compliance assessment, but rather as indicators of PFAS concentrations at that sampling location during this period. More extensive monitoring would be needed to determine compliance, and as covered above, there are currently only EQS set for PFOS.

PFOS EQS

In this campaign, six sites showed levels of PFOS above 0.00065 µg/l, which would indicate that if this trend were to continue over a 12-month period there would be a risk of failing to achieve good chemical status.

These sites are the River Sluice (Dublin), Huntstown Stream (Dublin), River Liffey (Dublin), River Camac (Dublin), River Owenboy (Cork) and Two Pot River (Cork).

These results are similar to the findings of the surveillance WFD monitoring programme, where these sites have been found to have PFOS concentrations close to or above the AA-EQS. For example, the River Sluice and Two Pot River will likely fail to achieve good chemical status for 2024. While the Huntstown Stream, River Liffey, River Camac and River Owenboy have shown average concentrations just below the AA-EQS.

There was no exceedance of the MAC-EQS for PFOS at any site in this campaign.

Proposal for an PFOA Equivalent EQS

This campaign provides an insight into the status of several PFAS in Ireland's aquatic environment. At present approximately 24 PFAS are proposed as PFOA equivalents for an EQS of 0.0044 µg/l. In this study 20 of the 24 PFAS within the proposal were monitored.

Using the weighted calculation of PFOA equivalents, nine sites indicate that if this trend were to continue over a 12-month period there would be a potential risk of failing to achieve good chemical status when compared to the current proposal under the WFD. These sites are the River Sluice (Dublin), Huntstown Stream (Dublin), River Brosna (Westmeath) – 3 sites, Lough Owel (Westmeath), River Barrow (Carlow), River Owenboy (Cork) and Two Pot River (Cork).

Drinking Water Sum of PFAS

In this study, 19 of the 20 PFAS listed in the Drinking Water Directive were monitored. Using these 19 substances as an indicator for drinking water compliance, the data shows that one site, Two Pot River with a sum of 0.67929 µg/L for the 19 substances, has PFAS concentrations above the Drinking Water Limit for the sum of 20 PFAS. This would require follow up by Uisce Eireann or the relevant Local Authority if any water supplies are sourced from this waterbody.

Actions

These results are being used to inform future discussions regarding PFAS monitoring programmes under the WFD. This data will be particularly useful as new environmental regulations come into force around PFAS, especially for any changes under the WFD.

These results have been shared with relevant Local Authorities, particularly in areas where PFAS pollution is being investigated, specifically Westmeath County Council, Cork City Council and Fingal County Council. These results have also been shared directly with Uisce Éireann, academic researchers, and all other relevant stakeholders. All data from this campaign, as well as other PFAS WFD monitoring data, is already available to the public through the [Catchments.ie](https://catchments.ie) webpage.

Annex I

Dublin – Ward RS08W010300

Sample Date: 08 August 2024

Parameter	Unit	Result	LOQ	Laboratory
3:3 FTCA	µg/L	<0.00132	<0.00132	ALS, Wakefield, United Kingdom
4:2 FTSA	µg/L	<0.00090	<0.00090	
5:3 FTCA	µg/L	<0.00130	<0.00130	
6:2 Cl-PFESA	µg/L	<0.00076	<0.00076	
6:2 FTAB	µg/L	<0.00386	<0.00386	
6:2 FTSA	µg/L	<0.00098	<0.00098	
7:3 FTCA	µg/L	<0.00128	<0.00128	
8:2 Cl-PFESA	µg/L	<0.00226	<0.00226	
8:2 FTSA	µg/L	<0.00302	<0.00302	
DONA	µg/L	<0.00072	<0.00072	
EtFOSA	µg/L	<0.00182	<0.00182	
EtFOSE	µg/L	No Result	<0.00346	
FBSA	µg/L	<0.00084	<0.00084	
FHxSA	µg/L	<0.00088	<0.00088	
FOSA	µg/L	<0.00520	<0.00520	
HFPO-DA (Gen X)	µg/L	<0.00078	<0.00078	
HFPO-TA	µg/L	<0.00114	<0.00114	
MeFOSA	µg/L	<0.00236*	<0.00236	
MeFOSE	µg/L	<0.00360*	<0.00360	
NEtFOSAA	µg/L	<0.00170*	<0.00170	
NFDHA	µg/L	<0.00094	<0.00094	
NMeFOSAA	µg/L	<0.00172*	<0.00172	
PFBA	µg/L	0.00392	<0.00342	
PFBS	µg/L	0.00076	<0.00072	
PFDA	µg/L	<0.00054	<0.00054	
PFDoA	µg/L	<0.00254	<0.00254	
PFDoS	µg/L	<0.00170	<0.00170	
PFDS	µg/L	<0.00212	<0.00212	
PFecHS	µg/L	<0.00084	<0.00084	
PFEESA	µg/L	<0.00054	<0.00054	
PFHpA	µg/L	0.0014	<0.0011	
PFHpS	µg/L	<0.00100	<0.00100	
PFHxA	µg/L	0.00352	<0.00074	
PFHxDA	µg/L	<0.00102	<0.00102	
PFHxS	µg/L	<0.00096	<0.00096	
PFMOBA	µg/L	<0.00076	<0.00076	
PFMOPrA	µg/L	<0.00064	<0.00064	
PFNA	µg/L	<0.00100	<0.00100	
PFNS	µg/L	<0.00126	<0.00126	
PFOA	µg/L	0.00114	<0.00106	
PFODA	µg/L	<0.00114	<0.00114	
PFOS	µg/L	<0.00102	<0.00102	
PFPeA	µg/L	0.0049	<0.00314	
PFPeS	µg/L	<0.00094	<0.00094	
PFTeA	µg/L	<0.00090	<0.00090	
PFTTrDA	µg/L	<0.00252	<0.00252	
PFUnA	µg/L	<0.00128	<0.00128	
PFUnDS	µg/L	<0.00280	<0.00280	
PFAS total	µg/L	0.01564	N/A	

* Analysed
outside
recommended
stability times

Parameter	Unit	Result	LOQ	Laboratory
3:3 FTCA	µg/L	<0.00066	<0.00066	ALS, Wakefield, United Kingdom
4:2 FTSA	µg/L	<0.00045	<0.00045	
5:3 FTCA	µg/L	<0.00065	<0.00065	
6:2 Cl-PFESA	µg/L	<0.00038	<0.00038	
6:2 FTAB	µg/L	0.09955	<0.00193	
6:2 FTSA	µg/L	0.00701	<0.00049	
7:3 FTCA	µg/L	<0.00064	<0.00064	
8:2 Cl-PFESA	µg/L	<0.00113	<0.00113	
8:2 FTSA	µg/L	<0.00604	<0.00604	
DONA	µg/L	<0.00036	<0.00036	
EtFOSA	µg/L	<0.00091	<0.00091	
EtFOSE	µg/L	<0.00173	<0.00173	
FBSA	µg/L	<0.00042	<0.00042	
FHxSA	µg/L	<0.00044	<0.00044	
FOSA	µg/L	<0.00260	<0.00260	
HFPO-DA (Gen X)	µg/L	<0.00039	<0.00039	
HFPO-TA	µg/L	<0.00057	<0.00057	
MeFOSA	µg/L	<0.00118	<0.00118	
MeFOSE	µg/L	<0.00180	<0.00180	
NEtFOSAA	µg/L	<0.00085	<0.00085	
NFDHA	µg/L	<0.00047	<0.00047	
NMeFOSAA	µg/L	<0.00086	<0.00086	
PFBA	µg/L	0.01022	<0.00171	
PFBS	µg/L	0.00111	<0.00036	
PFDA	µg/L	<0.00027	<0.00027	
PFDoA	µg/L	<0.00127	<0.00127	
PFDoS	µg/L	<0.00085	<0.00085	
PFDS	µg/L	<0.00106	<0.00106	
PFecHS	µg/L	0.00755	<0.00042	
PFEESA	µg/L	<0.00027	<0.00027	
PFHpA	µg/L	0.00471	<0.00055	
PFHpS	µg/L	<0.00050	<0.00050	
PFHxA	µg/L	0.01093	<0.00037	
PFHxDA	µg/L	<0.00051	<0.00051	
PFHxS	µg/L	0.00236	<0.00048	
PFMOBA	µg/L	<0.00038	<0.00038	
PFMOPrA	µg/L	<0.00032	<0.00032	
PFNA	µg/L	0.00063	<0.00050	
PFNS	µg/L	<0.00063	<0.00063	
PFOA	µg/L	0.00318	<0.00053	
PFODA	µg/L	<0.00057	<0.00057	
PFOS	µg/L	0.00728	<0.00051	
PFPeA	µg/L	0.0204	<0.00157	
PFPeS	µg/L	0.00049	<0.00047	
PFTeA	µg/L	<0.00045	<0.00045	
PFTTrDA	µg/L	<0.00126	<0.00126	
PFUnA	µg/L	<0.00064	<0.00064	
PFUnDS	µg/L	<0.00140	<0.00140	
PFAS total	µg/L	0.17542		

Parameter	Unit	Result	LOQ	Laboratory
3:3 FTCA	µg/L	<0.00066	<0.00066	ALS, Wakefield, United Kingdom
4:2 FTSA	µg/L	<0.00045	<0.00045	
5:3 FTCA	µg/L	<0.00065	<0.00065	
6:2 Cl-PFESA	µg/L	0.00052	<0.00038	
6:2 FTAB	µg/L	0.00229	<0.00193	
6:2 FTSA	µg/L	<0.00049	<0.00049	
7:3 FTCA	µg/L	<0.00064	<0.00064	
8:2 Cl-PFESA	µg/L	0.00117	<0.00113	
8:2 FTSA	µg/L	<0.00151	<0.00151	
DONA	µg/L	<0.00036	<0.00036	
EtFOSA	µg/L	<0.00091	<0.00091	
EtFOSE	µg/L	<0.00173	<0.00173	
FBSA	µg/L	<0.00042	<0.00042	
FHxSA	µg/L	<0.00044	<0.00044	
FOSA	µg/L	<0.00260	<0.00260	
HFPO-DA (Gen X)	µg/L	<0.00039	<0.00039	
HFPO-TA	µg/L	<0.00057	<0.00057	
MeFOSA	µg/L	<0.00118	<0.00118	
MeFOSE	µg/L	<0.00180	<0.00180	
NEtFOSAA	µg/L	0.00177	<0.00085	
NFDHA	µg/L	<0.00047	<0.00047	
NMeFOSAA	µg/L	0.00157	<0.00086	
PFBA	µg/L	0.00422	<0.00171	
PFBS	µg/L	<0.00036	<0.00036	
PFDA	µg/L	0.00065	<0.00027	
PFDoA	µg/L	0.00178	<0.00127	
PFDoS	µg/L	<0.00085	<0.00085	
PFDS	µg/L	0.00174	<0.00106	
PFecHS	µg/L	<0.00042	<0.00042	
PFEESA	µg/L	<0.00027	<0.00027	
PFHpA	µg/L	0.00072	<0.00055	
PFHpS	µg/L	<0.00050	<0.00050	
PFHxA	µg/L	0.00169	<0.00037	
PFHxDA	µg/L	<0.00051	<0.00051	
PFHxS	µg/L	0.00050	<0.00048	
PFMOBA	µg/L	<0.00038	<0.00038	
PFMOPrA	µg/L	<0.00032	<0.00032	
PFNA	µg/L	<0.00050	<0.00050	
PFNS	µg/L	0.00155	<0.00063	
PFOA	µg/L	0.00075	<0.00053	
PFODA	µg/L	<0.00057	<0.00057	
PFOS	µg/L	0.00125	<0.00051	
PFPeA	µg/L	0.00286	<0.00157	
PFPeS	µg/L	<0.00047	<0.00047	
PFTeA	µg/L	0.00057	<0.00045	
PFTTrDA	µg/L	<0.00126	<0.00126	
PFUnA	µg/L	0.00183	<0.00064	
PFUnDS	µg/L	<0.00140	<0.00140	
PFAS total	µg/L	0.02743		

Parameter	Unit	Result	LOQ	Laboratory
3:3 FTCA	µg/L	<0.00066	<0.00066	ALS, Wakefield, United Kingdom
4:2 FTSA	µg/L	<0.00045	<0.00045	
5:3 FTCA	µg/L	<0.00065	<0.00065	
6:2 Cl-PFESA	µg/L	<0.00038	<0.00038	
6:2 FTAB	µg/L	<0.00193	<0.00193	
6:2 FTSA	µg/L	<0.00049	<0.00049	
7:3 FTCA	µg/L	<0.00064	<0.00064	
8:2 Cl-PFESA	µg/L	<0.00113	<0.00113	
8:2 FTSA	µg/L	<0.00151	<0.00151	
DONA	µg/L	<0.00036	<0.00036	
EtFOSA	µg/L	<0.00091	<0.00091	
EtFOSE	µg/L	<0.00173	<0.00173	
FBSA	µg/L	<0.00042	<0.00042	
FHxSA	µg/L	<0.00044	<0.00044	
FOSA	µg/L	<0.00260	<0.00260	
HFPO-DA (Gen X)	µg/L	<0.00039	<0.00039	
HFPO-TA	µg/L	<0.00057	<0.00057	
MeFOSA	µg/L	<0.00118	<0.00118	
MeFOSE	µg/L	<0.00180	<0.00180	
NEtFOSAA	µg/L	<0.00085	<0.00085	
NFDHA	µg/L	<0.00047	<0.00047	
NMeFOSAA	µg/L	<0.00086	<0.00086	
PFBA	µg/L	0.00763	<0.00171	
PFBS	µg/L	0.01193	<0.00036	
PFDA	µg/L	<0.00027	<0.00027	
PFDoA	µg/L	<0.00127	<0.00127	
PFDoS	µg/L	<0.00085	<0.00085	
PFDS	µg/L	<0.00106	<0.00106	
PFecHS	µg/L	<0.00042	<0.00042	
PFEESA	µg/L	<0.00027	<0.00027	
PFHpA	µg/L	0.00122	<0.00055	
PFHpS	µg/L	<0.00050	<0.00050	
PFHxA	µg/L	0.00297	<0.00037	
PFHxDA	µg/L	<0.00051	<0.00051	
PFHxS	µg/L	<0.00048	<0.00048	
PFMOBA	µg/L	<0.00038	<0.00038	
PFMOPrA	µg/L	0.00053	<0.00032	
PFNA	µg/L	<0.00050	<0.00050	
PFNS	µg/L	<0.00063	<0.00063	
PFOA	µg/L	0.00152	<0.00053	
PFODA	µg/L	<0.00057	<0.00057	
PFOS	µg/L	0.00076	<0.00051	
PFPeA	µg/L	0.00415	<0.00157	
PFPeS	µg/L	<0.00047	<0.00047	
PFTeA	µg/L	<0.00045	<0.00045	
PFTTrDA	µg/L	<0.00126	<0.00126	
PFUnA	µg/L	<0.00064	<0.00064	
PFUnDS	µg/L	<0.00140	<0.00140	
PFAS total	µg/L	0.03071		

Parameter	Unit	Result	LOQ	Laboratory
3:3 FTCA	µg/L	<0.00066	<0.00066	ALS, Wakefield, United Kingdom
4:2 FTSA	µg/L	<0.00045	<0.00045	
5:3 FTCA	µg/L	<0.00065	<0.00065	
6:2 Cl-PFESA	µg/L	<0.00038	<0.00038	
6:2 FTAB	µg/L	<0.00193	<0.00193	
6:2 FTSA	µg/L	<0.00049	<0.00049	
7:3 FTCA	µg/L	<0.00064	<0.00064	
8:2 Cl-PFESA	µg/L	<0.00113	<0.00113	
8:2 FTSA	µg/L	<0.00151	<0.00151	
DONA	µg/L	<0.00036	<0.00036	
EtFOSA	µg/L	<0.00091	<0.00091	
EtFOSE	µg/L	<0.00173	<0.00173	
FBSA	µg/L	<0.00042	<0.00042	
FHxSA	µg/L	<0.00044	<0.00044	
FOSA	µg/L	<0.00260	<0.00260	
HFPO-DA (Gen X)	µg/L	<0.00039	<0.00039	
HFPO-TA	µg/L	<0.00057	<0.00057	
MeFOSA	µg/L	<0.00118	<0.00118	
MeFOSE	µg/L	<0.00180	<0.00180	
NEtFOSAA	µg/L	<0.00085	<0.00085	
NFDHA	µg/L	<0.00047	<0.00047	
NMeFOSAA	µg/L	<0.00086	<0.00086	
PFBA	µg/L	<0.00171	<0.00171	
PFBS	µg/L	<0.00036	<0.00036	
PFDA	µg/L	<0.00027	<0.00027	
PFDoA	µg/L	<0.00127	<0.00127	
PFDoS	µg/L	<0.00085	<0.00085	
PFDS	µg/L	<0.00106	<0.00106	
PFecHS	µg/L	<0.00042	<0.00042	
PFEESA	µg/L	<0.00027	<0.00027	
PFHpA	µg/L	<0.00055	<0.00055	
PFHpS	µg/L	<0.00050	<0.00050	
PFHxA	µg/L	0.00060	<0.00037	
PFHxDA	µg/L	<0.00051	<0.00051	
PFHxS	µg/L	<0.00048	<0.00048	
PFMOBA	µg/L	<0.00038	<0.00038	
PFMOPrA	µg/L	<0.00032	<0.00032	
PFNA	µg/L	<0.00050	<0.00050	
PFNS	µg/L	<0.00063	<0.00063	
PFOA	µg/L	0.00071	<0.00053	
PFODA	µg/L	<0.00057	<0.00057	
PFOS	µg/L	0.00126	<0.00051	
PFPeA	µg/L	<0.00157	<0.00157	
PFPeS	µg/L	<0.00047	<0.00047	
PFTeA	µg/L	<0.00045	<0.00045	
PFTTrDA	µg/L	<0.00126	<0.00126	
PFUnA	µg/L	<0.00064	<0.00064	
PFUnDS	µg/L	<0.00140	<0.00140	
PFAS total	µg/L	0.00257		

Parameter	Unit	Result	LOQ	Laboratory
3:3 FTCA	µg/L	<0.00066	<0.00066	ALS, Wakefield, United Kingdom
4:2 FTSA	µg/L	<0.00045	<0.00045	
5:3 FTCA	µg/L	<0.00065	<0.00065	
6:2 Cl-PFESA	µg/L	<0.00038	<0.00038	
6:2 FTAB	µg/L	<0.00193	<0.00193	
6:2 FTSA	µg/L	<0.00049	<0.00049	
7:3 FTCA	µg/L	<0.00064	<0.00064	
8:2 Cl-PFESA	µg/L	<0.00113	<0.00113	
8:2 FTSA	µg/L	<0.00151	<0.00151	
DONA	µg/L	<0.00036	<0.00036	
EtFOSA	µg/L	<0.00091	<0.00091	
EtFOSE	µg/L	<0.00173	<0.00173	
FBSA	µg/L	<0.00042	<0.00042	
FHxSA	µg/L	<0.00044	<0.00044	
FOSA	µg/L	<0.00260	<0.00260	
HFPO-DA (Gen X)	µg/L	<0.00039	<0.00039	
HFPO-TA	µg/L	<0.00057	<0.00057	
MeFOSA	µg/L	<0.00118	<0.00118	
MeFOSE	µg/L	<0.00180	<0.00180	
NEtFOSAA	µg/L	<0.00085	<0.00085	
NFDHA	µg/L	<0.00047	<0.00047	
NMeFOSAA	µg/L	<0.00086	<0.00086	
PFBA	µg/L	<0.00171	<0.00171	
PFBS	µg/L	<0.00036	<0.00036	
PFDA	µg/L	<0.00027	<0.00027	
PFDoA	µg/L	<0.00127	<0.00127	
PFDoS	µg/L	<0.00085	<0.00085	
PFDS	µg/L	<0.00106	<0.00106	
PFecHS	µg/L	<0.00042	<0.00042	
PFEESA	µg/L	<0.00027	<0.00027	
PFHpA	µg/L	<0.00055	<0.00055	
PFHpS	µg/L	<0.00050	<0.00050	
PFHxA	µg/L	<0.00037	<0.00037	
PFHxDA	µg/L	<0.00051	<0.00051	
PFHxS	µg/L	<0.00048	<0.00048	
PFMOBA	µg/L	<0.00038	<0.00038	
PFMOPrA	µg/L	<0.00032	<0.00032	
PFNA	µg/L	<0.00050	<0.00050	
PFNS	µg/L	<0.00063	<0.00063	
PFOA	µg/L	<0.00053	<0.00053	
PFODA	µg/L	<0.00057	<0.00057	
PFOS	µg/L	<0.00051	<0.00051	
PFPeA	µg/L	<0.00157	<0.00157	
PFPeS	µg/L	<0.00047	<0.00047	
PFTeA	µg/L	<0.00045	<0.00045	
PFTTrDA	µg/L	<0.00126	<0.00126	
PFUnA	µg/L	<0.00064	<0.00064	
PFUnDS	µg/L	<0.00140	<0.00140	
PFAS total	µg/L	<LOQ		

Parameter	Unit	Result	LOQ	Laboratory
3:3 FTCA	µg/L	<0.00066	<0.00066	ALS, Wakefield, United Kingdom
4:2 FTSA	µg/L	<0.00045	<0.00045	
5:3 FTCA	µg/L	<0.00065	<0.00065	
6:2 CI-PFESA	µg/L	<0.00038	<0.00038	
6:2 FTAB	µg/L	<0.00193	<0.00193	
6:2 FTSA	µg/L	<0.00049	<0.00049	
7:3 FTCA	µg/L	<0.00064	<0.00064	
8:2 CI-PFESA	µg/L	<0.00113	<0.00113	
8:2 FTSA	µg/L	<0.00151	<0.00151	
DONA	µg/L	<0.00036	<0.00036	
EtFOSA	µg/L	<0.00091	<0.00091	
EtFOSE	µg/L	No Result	<0.00173	
FBSA	µg/L	<0.00042	<0.00042	
FHxSA	µg/L	<0.00044	<0.00044	
FOSA	µg/L	<0.00260	<0.00260	
HFPO-DA (Gen X)	µg/L	<0.00039	<0.00039	
HFPO-TA	µg/L	0.00061	<0.00057	
MeFOSA	µg/L	<0.00118	<0.00118	
MeFOSE	µg/L	<0.00180	<0.00180	
NEtFOSAA	µg/L	<0.00085	<0.00085	
NFDHA	µg/L	<0.00047	<0.00047	
NMeFOSAA	µg/L	<0.00086	<0.00086	
PFBA	µg/L	0.00557	<0.00171	
PFBS	µg/L	0.00051	<0.00036	
PFDA	µg/L	<0.00027	<0.00027	
PFDoA	µg/L	<0.00127	<0.00127	
PFDoS	µg/L	<0.00085	<0.00085	
PFDS	µg/L	<0.00106	<0.00106	
PFecHS	µg/L	<0.00042	<0.00042	
PFEESA	µg/L	<0.00027	<0.00027	
PFHpA	µg/L	0.00202	<0.00055	
PFHpS	µg/L	<0.00050	<0.00050	
PFHxA	µg/L	0.00268	<0.00037	
PFHxDA	µg/L	<0.00051	<0.00051	
PFHxS	µg/L	<0.00048	<0.00048	
PFMOBA	µg/L	<0.00038	<0.00038	
PFMOPrA	µg/L	<0.00032	<0.00032	
PFNA	µg/L	<0.00050	<0.00050	
PFNS	µg/L	<0.00063	<0.00063	
PFOA	µg/L	0.02404	<0.00053	
PFODA	µg/L	<0.00057	<0.00057	
PFOS	µg/L	0.00057	<0.00051	
PFPeA	µg/L	0.00222	<0.00157	
PFPeS	µg/L	<0.00047	<0.00047	
PFTeA	µg/L	<0.00045	<0.00045	
PFTTrDA	µg/L	<0.00126	<0.00126	
PFUnA	µg/L	<0.00064	<0.00064	
PFUnDS	µg/L	<0.00140	<0.00140	
PFAS total	µg/L	0.03822		

Parameter	Unit	Result	LOQ	Laboratory
3:3 FTCA	µg/L	<0.00132	<0.00132	ALS, Wakefield, United Kingdom
4:2 FTSA	µg/L	<0.00090	<0.00090	
5:3 FTCA	µg/L	<0.00130	<0.00130	
6:2 Cl-PFESA	µg/L	<0.00076	<0.00076	
6:2 FTAB	µg/L	No Result	<0.00386	
6:2 FTSA	µg/L	<0.00098	<0.00098	
7:3 FTCA	µg/L	<0.00128	<0.00128	
8:2 Cl-PFESA	µg/L	<0.00226	<0.00226	
8:2 FTSA	µg/L	<0.00302	<0.00302	
DONA	µg/L	<0.00072	<0.00072	
EtFOSA	µg/L	<0.00182	<0.00182	
EtFOSE	µg/L	<0.00346*	<0.00346	
FBSA	µg/L	<0.00084	<0.00084	
FHxSA	µg/L	No Result	<0.00088	
FOSA	µg/L	<0.00520	<0.00520	
HFPO-DA (Gen X)	µg/L	<0.00078	<0.00078	
HFPO-TA	µg/L	<0.00114	<0.00114	
MeFOSA	µg/L	<0.00236*	<0.00236	
MeFOSE	µg/L	<0.00360*	<0.00360	
NEtFOSAA	µg/L	<0.00170*	<0.00170	
NFDHA	µg/L	<0.00094	<0.00094	
NMeFOSAA	µg/L	<0.00172*	<0.00172	
PFBA	µg/L	0.00434	<0.00342	
PFBS	µg/L	<0.00072	<0.00072	
PFDA	µg/L	<0.00054	<0.00054	
PFDoA	µg/L	<0.00254	<0.00254	
PFDoS	µg/L	No Result	<0.00170	
PFDS	µg/L	No Result	<0.00212	
PFecHS	µg/L	<0.00084	<0.00084	
PFEESA	µg/L	<0.00054	<0.00054	
PFHpA	µg/L	0.00122	<0.0011	
PFHpS	µg/L	No Result	<0.00100	
PFHxA	µg/L	0.00144	<0.00074	
PFHxDA	µg/L	<0.00102	<0.00102	
PFHxS	µg/L	<0.00096	<0.00096	
PFMOBA	µg/L	<0.00076	<0.00076	
PFMOPrA	µg/L	<0.00064	<0.00064	
PFNA	µg/L	<0.00100	<0.00100	
PFNS	µg/L	No Result	<0.00126	
PFOA	µg/L	0.0126	<0.00106	
PFODA	µg/L	<0.00114	<0.00114	
PFOS	µg/L	<0.00102	<0.00102	
PFPeA	µg/L	<0.00314	<0.00314	
PFPeS	µg/L	<0.00094	<0.00094	
PFTeA	µg/L	<0.00090	<0.00090	
PFTTrDA	µg/L	<0.00252	<0.00252	
PFUnA	µg/L	<0.00128	<0.00128	
PFUnDS	µg/L	No Result	<0.00280	
PFAS total	µg/L	0.0196		

* Analysed
outside
recommended
stability times

Parameter	Unit	Result	LOQ	Laboratory
3:3 FTCA	µg/L	<0.00066	<0.00066	ALS, Wakefield, United Kingdom
4:2 FTSA	µg/L	<0.00045	<0.00045	
5:3 FTCA	µg/L	<0.00065	<0.00065	
6:2 Cl-PFESA	µg/L	<0.00038	<0.00038	
6:2 FTAB	µg/L	<0.00193	<0.00193	
6:2 FTSA	µg/L	<0.00049	<0.00049	
7:3 FTCA	µg/L	<0.00064	<0.00064	
8:2 Cl-PFESA	µg/L	<0.00113	<0.00113	
8:2 FTSA	µg/L	<0.00151	<0.00151	
DONA	µg/L	<0.00036	<0.00036	
EtFOSA	µg/L	<0.00091	<0.00091	
EtFOSE	µg/L	<0.00173	<0.00173	
FBSA	µg/L	<0.00042	<0.00042	
FHxSA	µg/L	<0.00044	<0.00044	
FOSA	µg/L	<0.00260	<0.00260	
HFPO-DA (Gen X)	µg/L	<0.00039	<0.00039	
HFPO-TA	µg/L	<0.00057	<0.00057	
MeFOSA	µg/L	<0.00118	<0.00118	
MeFOSE	µg/L	<0.00180	<0.00180	
NEtFOSAA	µg/L	<0.00085	<0.00085	
NFDHA	µg/L	<0.00047	<0.00047	
NMeFOSAA	µg/L	<0.00086	<0.00086	
PFBA	µg/L	0.00209	<0.00171	
PFBS	µg/L	<0.00036	<0.00036	
PFDA	µg/L	<0.00027	<0.00027	
PFDoA	µg/L	<0.00127	<0.00127	
PFDoS	µg/L	<0.00085	<0.00085	
PFDS	µg/L	<0.00106	<0.00106	
PFecHS	µg/L	<0.00042	<0.00042	
PFEESA	µg/L	<0.00027	<0.00027	
PFHpA	µg/L	<0.00055	<0.00055	
PFHpS	µg/L	<0.00050	<0.00050	
PFHxA	µg/L	0.00061	<0.00037	
PFHxDA	µg/L	<0.00051	<0.00051	
PFHxS	µg/L	<0.00048	<0.00048	
PFMOBA	µg/L	<0.00038	<0.00038	
PFMOPrA	µg/L	<0.00032	<0.00032	
PFNA	µg/L	<0.00050	<0.00050	
PFNS	µg/L	<0.00063	<0.00063	
PFOA	µg/L	0.00087	<0.00053	
PFODA	µg/L	<0.00057	<0.00057	
PFOS	µg/L	<0.00051	<0.00051	
PFPeA	µg/L	<0.00157	<0.00157	
PFPeS	µg/L	<0.00047	<0.00047	
PFTeA	µg/L	<0.00045	<0.00045	
PFTTrDA	µg/L	<0.00126	<0.00126	
PFUnA	µg/L	<0.00064	<0.00064	
PFUnDS	µg/L	<0.00140	<0.00140	
PFAS total	µg/L	0.00357		

Parameter	Unit	Result	LOQ	Laboratory
3:3 FTCA	µg/L	<0.00066	<0.00066	ALS, Wakefield, United Kingdom
4:2 FTSA	µg/L	<0.00045	<0.00045	
5:3 FTCA	µg/L	<0.00065	<0.00065	
6:2 Cl-PFESA	µg/L	<0.00038	<0.00038	
6:2 FTAB	µg/L	No Result	<0.00193	
6:2 FTSA	µg/L	<0.00049	<0.00049	
7:3 FTCA	µg/L	<0.00064	<0.00064	
8:2 Cl-PFESA	µg/L	<0.00113	<0.00113	
8:2 FTSA	µg/L	<0.00151	<0.00151	
DONA	µg/L	<0.00036	<0.00036	
EtFOSA	µg/L	<0.00091	<0.00091	
EtFOSE	µg/L	<0.00173	<0.00173	
FBSA	µg/L	<0.00042	<0.00042	
FHxSA	µg/L	<0.00044	<0.00044	
FOSA	µg/L	<0.00260	<0.00260	
HFPO-DA (Gen X)	µg/L	<0.00039	<0.00039	
HFPO-TA	µg/L	<0.00057	<0.00057	
MeFOSA	µg/L	<0.00118	<0.00118	
MeFOSE	µg/L	No Result	<0.00180	
NEtFOSAA	µg/L	<0.00085	<0.00085	
NFDHA	µg/L	<0.00047	<0.00047	
NMeFOSAA	µg/L	<0.00086	<0.00086	
PFBA	µg/L	0.00199	<0.00171	
PFBS	µg/L	<0.00036	<0.00036	
PFDA	µg/L	<0.00027	<0.00027	
PFDoA	µg/L	<0.00127	<0.00127	
PFDoS	µg/L	<0.00085	<0.00085	
PFDS	µg/L	<0.00106	<0.00106	
PFecHS	µg/L	<0.00042	<0.00042	
PFEESA	µg/L	<0.00027	<0.00027	
PFHpA	µg/L	<0.00055	<0.00055	
PFHpS	µg/L	<0.00050	<0.00050	
PFHxA	µg/L	<0.00037	<0.00037	
PFHxDA	µg/L	<0.00051	<0.00051	
PFHxS	µg/L	<0.00048	<0.00048	
PFMOBA	µg/L	<0.00038	<0.00038	
PFMOPrA	µg/L	<0.00032	<0.00032	
PFNA	µg/L	<0.00050	<0.00050	
PFNS	µg/L	<0.00063	<0.00063	
PFOA	µg/L	0.00124	<0.00053	
PFODA	µg/L	<0.00057	<0.00057	
PFOS	µg/L	No Result	<0.00051	
PFPeA	µg/L	No Result	<0.00157	
PFPeS	µg/L	<0.00047	<0.00047	
PFTeA	µg/L	<0.00045	<0.00045	
PFTTrDA	µg/L	<0.00126	<0.00126	
PFUnA	µg/L	<0.00064	<0.00064	
PFUnDS	µg/L	<0.00140	<0.00140	
PFAS total	µg/L	0.00323		

Parameter	Unit	Result	LOQ	Laboratory
3:3 FTCA	µg/L	<0.00066	<0.00066	ALS, Wakefield, United Kingdom
4:2 FTSA	µg/L	<0.00045	<0.00045	
5:3 FTCA	µg/L	<0.00065	<0.00065	
6:2 Cl-PFESA	µg/L	<0.00038	<0.00038	
6:2 FTAB	µg/L	No Result	<0.00193	
6:2 FTSA	µg/L	<0.00049	<0.00049	
7:3 FTCA	µg/L	<0.00064	<0.00064	
8:2 Cl-PFESA	µg/L	<0.00113	<0.00113	
8:2 FTSA	µg/L	<0.00151	<0.00151	
DONA	µg/L	<0.00036	<0.00036	
EtFOSA	µg/L	<0.00091	<0.00091	
EtFOSE	µg/L	<0.00173	<0.00173	
FBSA	µg/L	<0.00042	<0.00042	
FHxSA	µg/L	<0.00044	<0.00044	
FOSA	µg/L	<0.00260	<0.00260	
HFPO-DA (Gen X)	µg/L	<0.00039	<0.00039	
HFPO-TA	µg/L	<0.00057	<0.00057	
MeFOSA	µg/L	<0.00118	<0.00118	
MeFOSE	µg/L	No Result	<0.00180	
NEtFOSAA	µg/L	<0.00085	<0.00085	
NFDHA	µg/L	<0.00047	<0.00047	
NMeFOSAA	µg/L	<0.00086	<0.00086	
PFBA	µg/L	<0.00171	<0.00171	
PFBS	µg/L	<0.00036	<0.00036	
PFDA	µg/L	<0.00027	<0.00027	
PFDoA	µg/L	<0.00127	<0.00127	
PFDoS	µg/L	<0.00085	<0.00085	
PFDS	µg/L	<0.00106	<0.00106	
PFecHS	µg/L	<0.00042	<0.00042	
PFEESA	µg/L	<0.00027	<0.00027	
PFHpA	µg/L	0.00056	<0.00055	
PFHpS	µg/L	<0.00050	<0.00050	
PFHxA	µg/L	0.00043	<0.00037	
PFHxDA	µg/L	<0.00051	<0.00051	
PFHxS	µg/L	<0.00048	<0.00048	
PFMOBA	µg/L	<0.00038	<0.00038	
PFMOPrA	µg/L	<0.00032	<0.00032	
PFNA	µg/L	<0.00050	<0.00050	
PFNS	µg/L	<0.00063	<0.00063	
PFOA	µg/L	0.0042	<0.00053	
PFODA	µg/L	<0.00057	<0.00057	
PFOS	µg/L	No Result	<0.00051	
PFPeA	µg/L	No Result	<0.00157	
PFPeS	µg/L	<0.00047	<0.00047	
PFTeA	µg/L	<0.00045	<0.00045	
PFTTrDA	µg/L	<0.00126	<0.00126	
PFUnA	µg/L	<0.00064	<0.00064	
PFUnDS	µg/L	<0.00140	<0.00140	
PFAS total	µg/L	0.00519		

Parameter	Unit	Result	LOQ	Laboratory
3:3 FTCA	µg/L	<0.00066	<0.00066	ALS, Wakefield, United Kingdom
4:2 FTSA	µg/L	<0.00045	<0.00045	
5:3 FTCA	µg/L	<0.00065	<0.00065	
6:2 Cl-PFESA	µg/L	<0.00038	<0.00038	
6:2 FTAB	µg/L	<0.00193	<0.00193	
6:2 FTSA	µg/L	<0.00049	<0.00049	
7:3 FTCA	µg/L	<0.00064	<0.00064	
8:2 Cl-PFESA	µg/L	<0.00113	<0.00113	
8:2 FTSA	µg/L	<0.00151	<0.00151	
DONA	µg/L	<0.00036	<0.00036	
EtFOSA	µg/L	<0.00091	<0.00091	
EtFOSE	µg/L	<0.00173	<0.00173	
FBSA	µg/L	<0.00042	<0.00042	
FHxSA	µg/L	<0.00044	<0.00044	
FOSA	µg/L	<0.00260	<0.00260	
HFPO-DA (Gen X)	µg/L	<0.00039	<0.00039	
HFPO-TA	µg/L	<0.00057	<0.00057	
MeFOSA	µg/L	<0.00118	<0.00118	
MeFOSE	µg/L	<0.00180	<0.00180	
NEtFOSAA	µg/L	<0.00085	<0.00085	
NFDHA	µg/L	<0.00047	<0.00047	
NMeFOSAA	µg/L	<0.00086	<0.00086	
PFBA	µg/L	0.00306	<0.00171	
PFBS	µg/L	<0.00036	<0.00036	
PFDA	µg/L	<0.00027	<0.00027	
PFDoA	µg/L	<0.00127	<0.00127	
PFDoS	µg/L	<0.00085	<0.00085	
PFDS	µg/L	<0.00106	<0.00106	
PFecHS	µg/L	<0.00042	<0.00042	
PFEESA	µg/L	<0.00027	<0.00027	
PFHpA	µg/L	<0.00055	<0.00055	
PFHpS	µg/L	<0.00050	<0.00050	
PFHxA	µg/L	<0.00037	<0.00037	
PFHxDA	µg/L	<0.00051	<0.00051	
PFHxS	µg/L	<0.00048	<0.00048	
PFMOBA	µg/L	<0.00038	<0.00038	
PFMOPrA	µg/L	<0.00032	<0.00032	
PFNA	µg/L	<0.00050	<0.00050	
PFNS	µg/L	<0.00063	<0.00063	
PFOA	µg/L	0.00194	<0.00053	
PFODA	µg/L	<0.00057	<0.00057	
PFOS	µg/L	<0.00051	<0.00051	
PFPeA	µg/L	<0.00157	<0.00157	
PFPeS	µg/L	<0.00047	<0.00047	
PFTeA	µg/L	<0.00045	<0.00045	
PFTTrDA	µg/L	<0.00126	<0.00126	
PFUnA	µg/L	<0.00064	<0.00064	
PFUnDS	µg/L	<0.00140	<0.00140	
PFAS total	µg/L	0.00500		

Parameter	Unit	Result	LOQ	Laboratory
3:3 FTCA	µg/L	<0.00066	<0.00066	ALS, Wakefield, United Kingdom
4:2 FTSA	µg/L	<0.00045	<0.00045	
5:3 FTCA	µg/L	<0.00065	<0.00065	
6:2 Cl-PFESA	µg/L	<0.00038	<0.00038	
6:2 FTAB	µg/L	<0.00193	<0.00193	
6:2 FTSA	µg/L	<0.00049	<0.00049	
7:3 FTCA	µg/L	<0.00064	<0.00064	
8:2 Cl-PFESA	µg/L	<0.00113	<0.00113	
8:2 FTSA	µg/L	<0.00151	<0.00151	
DONA	µg/L	<0.00036	<0.00036	
EtFOSA	µg/L	<0.00091	<0.00091	
EtFOSE	µg/L	No Result	<0.00173	
FBSA	µg/L	<0.00042	<0.00042	
FHxSA	µg/L	<0.00044	<0.00044	
FOSA	µg/L	<0.00260	<0.00260	
HFPO-DA (Gen X)	µg/L	<0.00039	<0.00039	
HFPO-TA	µg/L	<0.00057	<0.00057	
MeFOSA	µg/L	<0.00118	<0.00118	
MeFOSE	µg/L	<0.00180	<0.00180	
NEtFOSAA	µg/L	<0.00085	<0.00085	
NFDHA	µg/L	<0.00047	<0.00047	
NMeFOSAA	µg/L	<0.00086	<0.00086	
PFBA	µg/L	<0.00171	<0.00171	
PFBS	µg/L	<0.00036	<0.00036	
PFDA	µg/L	0.00041	<0.00027	
PFDoA	µg/L	<0.00127	<0.00127	
PFDoS	µg/L	<0.00085	<0.00085	
PFDS	µg/L	<0.00106	<0.00106	
PFecHS	µg/L	<0.00042	<0.00042	
PFEESA	µg/L	<0.00027	<0.00027	
PFHpA	µg/L	<0.00055	<0.00055	
PFHpS	µg/L	<0.00050	<0.00050	
PFHxA	µg/L	0.00066	<0.00037	
PFHxDA	µg/L	<0.00051	<0.00051	
PFHxS	µg/L	<0.00048	<0.00048	
PFMOBA	µg/L	<0.00038	<0.00038	
PFMOPrA	µg/L	<0.00032	<0.00032	
PFNA	µg/L	<0.00050	<0.00050	
PFNS	µg/L	<0.00063	<0.00063	
PFOA	µg/L	<0.00053	<0.00053	
PFODA	µg/L	<0.00057	<0.00057	
PFOS	µg/L	<0.00051	<0.00051	
PFPeA	µg/L	<0.00157	<0.00157	
PFPeS	µg/L	<0.00047	<0.00047	
PFTeA	µg/L	<0.00045	<0.00045	
PFTTrDA	µg/L	<0.00126	<0.00126	
PFUnA	µg/L	0.00068	<0.00064	
PFUnDS	µg/L	<0.00140	<0.00140	
PFAS total	µg/L	0.00175		

Parameter	Unit	Result	LOQ	Laboratory
3:3 FTCA	µg/L	<0.00132	<0.00132	ALS, Wakefield, United Kingdom
4:2 FTSA	µg/L	<0.00090	<0.00090	
5:3 FTCA	µg/L	<0.00130	<0.00130	
6:2 Cl-PFESA	µg/L	<0.00076	<0.00076	
6:2 FTAB	µg/L	0.02554	<0.00386	
6:2 FTSA	µg/L	0.01086	<0.00098	
7:3 FTCA	µg/L	<0.00128	<0.00128	
8:2 Cl-PFESA	µg/L	<0.00226	<0.00226	
8:2 FTSA	µg/L	No Result	<0.00302	
DONA	µg/L	<0.00072	<0.00072	
EtFOSA	µg/L	<0.00182*	<0.00182	
EtFOSE	µg/L	<0.00346*	<0.00346	
FBSA	µg/L	<0.00084	<0.00084	
FHxSA	µg/L	<0.00088	<0.00088	
FOSA	µg/L	<0.00520	<0.00520	
HFPO-DA (Gen X)	µg/L	<0.00078	<0.00078	
HFPO-TA	µg/L	<0.00114	<0.00114	
MeFOSA	µg/L	<0.00236*	<0.00236	
MeFOSE	µg/L	<0.00360*	<0.00360	
NEtFOSAA	µg/L	<0.00170*	<0.00170	
NFDHA	µg/L	<0.00094	<0.00094	
NMeFOSAA	µg/L	<0.00172*	<0.00172	
PFBA	µg/L	0.00696	<0.00342	
PFBS	µg/L	<0.00072	<0.00072	
PFDA	µg/L	<0.00054	<0.00054	
PFDoA	µg/L	<0.00254	<0.00254	
PFDoS	µg/L	<0.00170	<0.00170	
PFDS	µg/L	<0.00212	<0.00212	
PFecHS	µg/L	0.00312	<0.00084	
PFEESA	µg/L	<0.00054	<0.00054	
PFHpA	µg/L	0.00566	<0.00110	
PFHpS	µg/L	<0.00100	<0.00100	
PFHxA	µg/L	0.0098	<0.00074	
PFHxDA	µg/L	<0.00102	<0.00102	
PFHxS	µg/L	0.00152	<0.00096	
PFMOBA	µg/L	<0.00076	<0.00076	
PFMOPrA	µg/L	<0.00064	<0.00064	
PFNA	µg/L	0.00178	<0.00100	
PFNS	µg/L	<0.00126	<0.00126	
PFOA	µg/L	0.00288	<0.00106	
PFODA	µg/L	<0.00114	<0.00114	
PFOS	µg/L	0.01384	<0.00102	
PFPeA	µg/L	0.0252	<0.00314	
PFPeS	µg/L	<0.00094	<0.00094	
PFTeA	µg/L	<0.00090	<0.00090	
PFTTrDA	µg/L	<0.00252	<0.00252	
PFUnA	µg/L	<0.00128	<0.00128	
PFUnDS	µg/L	<0.00280*	<0.00280	
PFAS total	µg/L	0.10716		

* Analysed
outside
recommended
stability times

Parameter	Unit	Result	LOQ	Laboratory
3:3 FTCA	µg/L	0.00211	<0.00066	ALS, Wakefield, United Kingdom
4:2 FTSA	µg/L	<0.00045	<0.00045	
5:3 FTCA	µg/L	0.00963	<0.00065	
6:2 Cl-PFESA	µg/L	0.00039	<0.00038	
6:2 FTAB	µg/L	0.01595	<0.00193	
6:2 FTSA	µg/L	0.18860	<0.00049	
7:3 FTCA	µg/L	<0.00064	<0.00064	
8:2 Cl-PFESA	µg/L	<0.00113	<0.00113	
8:2 FTSA	µg/L	<0.00151	<0.00151	
DONA	µg/L	<0.00180	<0.00180	
EtFOSA	µg/L	<0.00091	<0.00091	
EtFOSE	µg/L	<0.00173	<0.00173	
FBSA	µg/L	0.00167	<0.00042	
FHxSA	µg/L	0.00370	<0.00044	
FOSA	µg/L	<0.00260	<0.00260	
HFPO-DA (Gen X)	µg/L	<0.00039	<0.00039	
HFPO-TA	µg/L	<0.00057	<0.00057	
MeFOSA	µg/L	<0.00118	<0.00118	
MeFOSE	µg/L	<0.00180	<0.00180	
NEtFOSAA	µg/L	<0.00085	<0.00085	
NFDHA	µg/L	<0.00047	<0.00047	
NMeFOSAA	µg/L	<0.00086	<0.00086	
PFBA	µg/L	No Result	<0.00171	
PFBS	µg/L	0.00370	<0.00036	
PFDA	µg/L	0.00070	<0.00027	
PFDoA	µg/L	<0.00635	<0.00635	
PFDoS	µg/L	<0.00085	<0.00085	
PFDS	µg/L	<0.00530	<0.00106	
PFecHS	µg/L	No Result	<0.00042	
PFEESA	µg/L	<0.00027	<0.00027	
PFHpA	µg/L	0.0732	<0.00055	
PFHpS	µg/L	0.00314	<0.00050	
PFHxA	µg/L	0.17030	<0.00037	
PFHxDA	µg/L	<0.00051	<0.00051	
PFHxS	µg/L	0.04435	<0.00048	
PFMOBA	µg/L	<0.00038	<0.00038	
PFMOPrA	µg/L	<0.00032	<0.00032	
PFNA	µg/L	0.00458	<0.00050	
PFNS	µg/L	<0.00063	<0.00063	
PFOA	µg/L	0.03040	<0.00053	
PFODA	µg/L	<0.00057	<0.00057	
PFOS	µg/L	0.06695	<0.00051	
PFPeA	µg/L	0.27680	<0.00157	
PFPeS	µg/L	0.00448	<0.00047	
PFTeA	µg/L	<0.00045	<0.00045	
PFTTrDA	µg/L	<0.00126	<0.00126	
PFUnA	µg/L	0.00069	<0.00064	
PFUnDS	µg/L	<0.00140	<0.00140	
PFAS total	µg/L	0.90134		

Parameter	Unit	Result	LOQ	Laboratory
3:3 FTCA	µg/L	<0.00132	<0.00132	ALS, Wakefield, United Kingdom
4:2 FTSA	µg/L	<0.00090	<0.00090	
5:3 FTCA	µg/L	<0.00130	<0.00130	
6:2 Cl-PFESA	µg/L	<0.00076	<0.00076	
6:2 FTAB	µg/L	No Result	<0.00386	
6:2 FTSA	µg/L	<0.00098	<0.00098	
7:3 FTCA	µg/L	<0.00128	<0.00128	
8:2 Cl-PFESA	µg/L	<0.00226	<0.00226	
8:2 FTSA	µg/L	No Result	<0.00302	
DONA	µg/L	<0.00072	<0.00072	
EtFOSA	µg/L	No Result	<0.00182	
EtFOSE	µg/L	<0.00346*	<0.00346	
FBSA	µg/L	<0.00084	<0.00084	
FHxSA	µg/L	<0.00088	<0.00088	
FOSA	µg/L	<0.00520	<0.00520	
HFPO-DA (Gen X)	µg/L	<0.00078	<0.00078	
HFPO-TA	µg/L	<0.00114	<0.00114	
MeFOSA	µg/L	<0.00236*	<0.00236	
MeFOSE	µg/L	<0.00360*	<0.00360	
NEtFOSAA	µg/L	<0.00170*	<0.00170	
NFDHA	µg/L	<0.00094	<0.00094	
NMeFOSAA	µg/L	<0.00172*	<0.00172	
PFBA	µg/L	<0.00342	<0.00342	
PFBS	µg/L	<0.00072	<0.00072	
PFDA	µg/L	<0.00054	<0.00054	
PFDoA	µg/L	<0.00254	<0.00254	
PFDoS	µg/L	<0.00170	<0.00170	
PFDS	µg/L	<0.00212	<0.00212	
PFecHS	µg/L	<0.00084	<0.00084	
PFEESA	µg/L	<0.00054	<0.00054	
PFHpA	µg/L	<0.00110	<0.00110	
PFHpS	µg/L	<0.00100	<0.00100	
PFHxA	µg/L	<0.00074	<0.00074	
PFHxDA	µg/L	<0.00102	<0.00102	
PFHxS	µg/L	<0.00096	<0.00096	
PFMOBA	µg/L	<0.00076	<0.00076	
PFMOPrA	µg/L	<0.00064	<0.00064	
PFNA	µg/L	<0.00100	<0.00100	
PFNS	µg/L	<0.00126	<0.00126	
PFOA	µg/L	0.00636	<0.00106	
PFODA	µg/L	<0.00114	<0.00114	
PFOS	µg/L	<0.00102	<0.00102	
PFPeA	µg/L	<0.00314	<0.00314	
PFPeS	µg/L	<0.00094	<0.00094	
PFTeA	µg/L	<0.00090	<0.00090	
PFTTrDA	µg/L	<0.00252	<0.00252	
PFUnA	µg/L	<0.00128	<0.00128	
PFUnDS	µg/L	<0.00280*	<0.00280	
PFAS total	µg/L	0.00636		

* Analysed
outside
recommended
stability times

An Gníomhaireacht um Chaomhnú Comhshaoil

Tá an GCC freagrach as an gcomhshaol a chosaint agus a fheabhsú, mar shócmhainn luachmhar do mhuintir na hÉireann. Táimid tiomanta do dhaoine agus don chomhshaol a chosaint ar thionchar díobhálach na radaíochta agus an truaillithe.

Is féidir obair na Gníomhaireachta a roinnt ina trí phríomhréimse:

- Rialáil:** Rialáil agus córais chomhlíonta comhshaoil éifeachtacha a chur i bhfeidhm, chun dea-thorthaí comhshaoil a bhaint amach agus díriú orthu siúd nach mbíonn ag cloí leo.
- Eolas:** Sonraí, eolas agus measúnú ardchaighdeán, spriocdhírthe agus tráthúil a chur ar fáil i leith an chomhshaoil chun bonn eolais a chur faoin gcinnteoireacht.
- Abhcóideacht:** Ag obair le daoine eile ar son timpeallachta glaine, táirgiúla agus dea-chosanta agus ar son cleachtas inbhuanaithe i dtaobh an chomhshaoil.

I measc ár gcuid freagrachtaí tá:

CEADÚNÚ

- Gníomhaíochtaí tionscail, dramhaíola agus stórála peitрил ar scála mór;
- Sceitheadh fuíolluisce uirbigh;
- Úsáid shrianta agus scaoileadh rialaithe Orgánach Géinmhodhnaithe;
- Foinsí radaíochta ianúcháin;
- Astaíochtaí gás ceaptha teasa ó thionscal agus ón eitlíocht trí Scéim an AE um Thrádáil Astaíochtaí.

FORFHEIDHMIÚ NÁISIÚNTA I LEITH CÚRSAÍ COMHSHAOIL

- Iníúchadh agus cigireacht ar shaoráidí a bhfuil ceadúnas acu ón GCC;
- Cur i bhfeidhm an dea-chleachtais a stiúradh i ngníomhaíochtaí agus i saoráidí rialáilte;
- Maoirseacht a dhéanamh ar fhreagrachtaí an údaráis áitiúil as cosaint an chomhshaoil;
- Caighdeán an uisce óil phoiblí a rialáil agus údaruithe um sceitheadh fuíolluisce uirbigh a fhorfheidhmiú
- Caighdeán an uisce óil phoiblí agus phríobháidigh a mheasúnú agus tuairisciú air;
- Comhordú a dhéanamh ar líonra d'eagraíochtaí seirbhíse poiblí chun tacú le gníomhú i gcoinne coireachta comhshaoil;
- An dlí a chur orthu siúd a bhriseann dlí an chomhshaoil agus a dhéanann dochar don chomhshaol.

BAINISTÍOCHT DRAMHAÍOLA AGUS CEIMICEÁIN SA CHOMHSHAOIL

- Rialacháin dramhaíola a chur i bhfeidhm agus a fhorfheidhmiú lena n-áirítear saincheisteanna forfheidhmithe náisiúnta;
- Staitisticí dramhaíola náisiúnta a ullmhú agus a fhoilsiú chomh maith leis an bPlean Náisiúnta um Bainistíocht Dramhaíola Guaisí;
- An Clár Náisiúnta um Chosc Dramhaíola a fhorbairt agus a chur i bhfeidhm;
- Reachtaíocht ar rialú ceimiceán sa timpeallacht a chur i bhfeidhm agus tuairisciú ar an reachtaíocht sin.

BAINISTÍOCHT UISCE

- Plé le struchtúir náisiúnta agus réigiúnacha rialachais agus oibriúcháin chun an Chreat-treoir Uisce a chur i bhfeidhm;
- Monatóireacht, measúnú agus tuairisciú a dhéanamh ar chaighdeán aibhneacha, lochanna, uiscí idirchreasa agus cósta, uiscí snámha agus screamhuisce chomh maith le tomhas ar leibhéil uisce agus sreabhadh abhann.

EOLAÍOCHT AERÁIDE & ATHRÚ AERÁIDE

- Fardail agus réamh-mheastacháin a fhoilsiú um astaíochtaí gás ceaptha teasa na hÉireann;
- Rúnaíocht a chur ar fáil don Chomhairle Chomhairleach ar Athrú Aeráide agus tacaíocht a thabhairt don Idirphlé Náisiúnta ar Gníomhú ar son na hAeráide;

- Tacú le gníomhaíochtaí forbartha Náisiúnta, AE agus NA um Eolaíocht agus Beartas Aeráide.

MONATÓIREACHT AGUS MEASÚNÚ AR AN GCOMHSHAOIL

- Córais náisiúnta um monatóireacht an chomhshaoil a cheapadh agus a chur i bhfeidhm: teicneolaíocht, bainistíocht sonraí, anailís agus réamhaisnéisiú;
- Tuairiscí ar Staid Thimpeallacht na hÉireann agus ar Tháscairí a chur ar fáil;
- Monatóireacht a dhéanamh ar chaighdeán an aeir agus Treoir an AE i leith Aeir Ghlain don Eoraip a chur i bhfeidhm chomh maith leis an gCoinbhinsiún ar Aerthruailliú Fadraoin Trasteorann, agus an Treoir i leith na Teorann Náisiúnta Astaíochtaí;
- Maoirseacht a dhéanamh ar chur i bhfeidhm na Treorach i leith Torainn Timpeallachta;
- Measúnú a dhéanamh ar thionchar pleananna agus clár beartaithe ar chomhshaol na hÉireann.

TAIGHDE AGUS FORBAIRT COMHSHAOIL

- Comhordú a dhéanamh ar ghníomhaíochtaí taighde comhshaoil agus iad a mhaoiniú chun brú a aithint, bonn eolais a chur faoin mbeartas agus réitigh a chur ar fáil;
- Comhoibriú le gníomhaíocht náisiúnta agus AE um thaighde comhshaoil.

COSAINT RAIDEOLAÍOCH

- Monatóireacht a dhéanamh ar leibhéil radaíochta agus nochtadh an phobail do radaíocht ianúcháin agus do réimsí leictreamaighnéadacha a mheas;
- Cabhrú le pleananna náisiúnta a fhorbairt le haghaidh éigeandálaí ag eascairt as taismí núicléacha;
- Monatóireacht a dhéanamh ar fhorbairtí thar lear a bhaireann le saoráidí núicléacha agus leis an tsábháilteacht raideolaíochta;
- Sainseirbhísí um chosaint ar an radaíocht a sholáthar, nó maoirsiú a dhéanamh ar sholáthar na seirbhísí sin.

TREOIR, ARDÚ FEASACHTA AGUS FAISNÉIS INROCHTANA

- Tuairisciú, comhairle agus treoir neamhspleách, fianaise-bhunaithe a chur ar fáil don Rialtas, don tionscal agus don phobal ar ábhair maidir le cosaint comhshaoil agus raideolaíoch;
- An nasc idir sláinte agus folláine, an geilleagar agus timpeallacht ghlan a chur chun cinn;
- Feasacht comhshaoil a chur chun cinn lena n-áirítear tacú le hiompraíocht um éifeachtúlacht acmhainní agus aistriú aeráide;
- Tástáil radóin a chur chun cinn i dtithe agus in ionaid oibre agus feabhsúchán a mholadh áit is gá.

COMHPHÁIRTÍOCHT AGUS LÍONRÚ

Oibriú le gníomhaireachtaí idirnáisiúnta agus náisiúnta, údaráis réigiúnacha agus áitiúla, eagraíochtaí neamhrialtais, comhlachtaí ionadaíocha agus ranna rialtais chun cosaint chomhshaoil agus raideolaíoch a chur ar fáil, chomh maith le taighde, comhordú agus cinnteoireacht bunaithe ar an eolaíocht.

BAINISTÍOCHT AGUS STRUCHTÚR NA GNÍOMHAIREACHTA UM CHAOMHNÚ COMHSHAOIL

Tá an GCC á bainistiú ag Bord lánaimseartha, ar a bhfuil Ard-Stiúrthóir agus cúigear Stiúrthóir. Déantar an obair ar fud cúig cinn d'Oifigí:

- An Oifig um Inbhuanaitheacht i leith Cúrsaí Comhshaoil
- An Oifig Forfheidhmithe i leith Cúrsaí Comhshaoil
- An Oifig um Fhianaise agus Measúnú
- An Oifig um Chosaint ar Radaíocht agus Monatóireacht Comhshaoil
- An Oifig Cumarsáide agus Seirbhísí Corparáideacha

Tugann coistí comhairleacha cabhair don Gníomhaireacht agus tagann siad le chéile go rialta le plé a dhéanamh ar ábhair imní agus le comhairle a chur ar an mBord.

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