

PFAS Analysis

Eurofins can test for PFAS compounds in potable water, non-potable water, soil, sediment and sludges at our Wellington laboratory.

What are PFAS Compounds?

Per- and Polyfluoroalkyl Substances (PFAS) are a large group of manufactured compounds that are used in a wide range of industrial applications. PFAS were also the major components in legacy Aqueous Film Forming Foams (AFFF) firefighting products that met former military and domestic specifications.

PFAS compounds are also used to repel oil and water in textile products like clothing, carpeting and furniture, as well as in food packaging and in the manufacture of fluoropolymers used in non-stick cookware. Some of the unique chemical characteristics that make PFAS compounds attractive for use in textiles, packaging and cookware, also render them resistant to biodegradation in the environment. Therefore, PFAS compounds are persistent and have been shown to bioaccumulate in humans and wildlife. PFAS compounds have been found throughout the environment in groundwater, surface water, biosolids, soil and sediment. Studies have shown detections of PFAS in air, biota and food.



Who we are

Eurofins is a global leader in providing innovative and high-quality environmental analytical laboratory services. Our PFAS laboratories, located in Wellington and across Australia, are equipped with state-of-the-art technology and instrumentation.

Our network of IANZ / NATA accredited laboratories are conveniently located across Australia and New Zealand enabling service and support to all regions.





Industry Leading PFAS Analysis

When dealing with an emerging contaminant, it is vital that you receive the highest level of accuracy and precision in the results that are reported. Utilising industry-leading practices, Eurofins not only has dedicated laboratory space and instrumentation for PFAS analyses, but also committed teams who provide the highest quality results each and every time. These teams provide an unmatched level of expertise both in Australia and New Zealand but also draw upon experience from Eurofins Scientific global leadership in Europe and USA. We have the latest technologies and capacity to analyse thousands of PFAS samples per month.

PFAS methodologies and regulations are continually evolving as additional compounds are identified and states continue to expand their testing requirements for these contaminants. With our dedicated teams, Eurofins is able to offer you the flexibility to develop and adapt to the continually changing analytical needs around PFAS analysis.

Eurofins offers you:

- The analysis of Per- and Polyfluoroalkyl Substances (PFAS) on a wide range of matrices for 30 or more PFAS compounds
- The use of gold-standard isotope dilution methods US EPA Methods for drinking water and surface water, groundwater analysis, biosolids, sediments and tissues
- Adherence to Table B-15 of QSM 5.3 US Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories
- Five NATA/IANZ accredited laboratories dedicated to analysing PFAS
- Analysis for GenX and ADONA and other perfluoroether carboxylic acids (PFECA) used as replacement compounds
- Multiple state-of-the-art LC-MS/MS instruments dedicated to PFAS analysis, along with a dedicated sample preparation and clean-up space minimising the chance of cross-contamination
- High resolution accurate mass LC-QToF-MS and GC-QToF-MS for identification of unknown PFAS compounds
- Chemical informatics applied to non-targeted analytical methods providing a basis for environmental forensics and source apportionment - "fingerprinting"
- Combustion Ion Chromatography for the determination of TOF, EOF & AOF
- TOP (Total Oxidisable Precursor) Assay
- Analytical results that meet or exceed current regulatory and advisory limits, including the NZ Drinking Water Standard
- Accreditation to ISO/IEC 17025:2017

Samples

Eurofins performs PFAS analysis on a variety of environmental matrices including:

- Air
- Drinking Water
- Groundwater
- Surface Water
- Wastewater
- Sewage
- Soil
- Sediment
- Leachate
- Biosolids Consumer Products
- Cosmetics
- Food Packaging AFFF
- Textiles
- Outdoor Clothing & Equipment
- Food, Feed and Agricultural Products
- Emulsions and Fluoropolymer Dispersions
- Biota & Biotic Matrices

