

# Water quality

ChemCentre provides a wide range of scientific services relating to water quality, supporting the well-informed management of such an important resource.

## Safeguarding our water quality

A clean and reliable water supply is vital to the health of our community and the wellbeing of the environment. When contamination occurs it can have serious consequences.

### Our services

ChemCentre is a leading scientific organisation which supplies expert solutions to match client needs. As ChemCentre is a State Government statutory authority, you are assured of services and results of the highest standard. Our NATA accredited testing and analysis is conducted at our facilities in Bentley, Western Australia.

Our water quality services include:

- Testing, analysis and ongoing monitoring
- Consultancy, advisory services and site investigations
- Research and customised method development.

We assist clients in safeguarding water supplies, determining water quality and complying with regulatory and organisational guidelines.

## Testing

We have significant capabilities in the accurate detection of trace amounts of organic and inorganic chemicals in a range of waters. Parameters can often be determined down to part-per-trillion levels. (See overleaf for details.)

## Consultancy

ChemCentre has an excellent track record in solving water quality issues, and we are often engaged by government and industry for water consultancy and advisory services.

## Research

Our competency in accurately determining chemicals at extremely low levels, and our ability to tackle complex issues and complicated technical challenges has enabled us to build an impressive R&D portfolio.

ChemCentre has significant collaborative research capabilities to provide solutions to those complex problems that cannot be solved by ordinary laboratories. We can create new specialised and validated techniques to match individual client needs.

# Water quality



The following list is a selection of parameters ChemCentre can test for. Our capabilities are constantly expanding, and we can custom develop, methods and techniques to meet your needs. Please contact us for further information.

## Organic parameters

- Disinfection by-products, including:
  - HAA
  - HAN/HAK
  - THM
  - Nitrosamines
- VOC
- Chlorophenols
- Nitrophenols
- Alkylphenols
- Plasticisers
- Flame retardants
- PFOS/PFOA and other PFCs
- PAH/Hydrocarbons
- Oil and grease
- Pesticides
  - Insecticides
  - Herbicides
  - Fungicides
- Pharmaceuticals
  - Antibiotics, b-lactams, sulphur-based
  - Benzodiazepines
  - NSAIDS
  - Iodinated contrast media
  - Tricyclic anti-depressants
- Hormones, estrogenic and androgenic
- Personal care products, including:
  - Fragrances

## Inorganic parameters

- Trace metals
- Chromium and arsenic speciation
- Cyanide
  - Thiocyanate
  - Cyanate
  - Cyanide species
- Nutrients
  - Phosphorus and nitrogen fractions

## Physiochemical parameters

- Conductivity
- TDS
- Turbidity
- pH
- DOC / TOC
- Anions
  - Bromide
  - Iodide
  - Fluoride
  - Sulphur species
  - Other anions
- Miscellaneous analyses
  - Oil and grease
  - MBAS
  - Chlorophyll
- Chelating agents

## How can we help?

Our expert advice sets us apart from others. To find out more and discuss your specific requirements please contact our water chemistry team at [eclabmanager@chemcentre.wa.gov.au](mailto:eclabmanager@chemcentre.wa.gov.au)

