

The WaterChek programme has been designed for laboratories engaged in research, industry, environmental and public health testing. WaterChek provides independent verification of test performance across a wide range of tests and sample matrices.



## PROGRAMME OBJECTIVE

Water is disinfected to make it suitable for public use, however the process can leave the presence of carcinogenic 'disinfection by-products (DBP)'. Monitoring of the water is important for ensuring the health of the public who are drinking and using the water.

The WaterChek DBP Proficiency Testing scheme has been developed to provide a system for laboratories to validate their testing capability and benchmark their results. Sample preparation has been designed to cover a range of concentrations for selected analytes – ensuring sample properties are representative of samples most often tested in participating laboratories.

## BENEFITS OF PARTICIPATING IN WATERCHEK:

- **Confidence in Results:**  
Measurement of performance in comparison with other laboratories provides:
  - Confidence that Precision and Accuracy of test results are within expected limits
  - Confirmation of differences between methods where this may be expected.
- **Credibility:**  
Test performance can be demonstrated to:
  - Customers
  - Regulatory Authorities
  - Accreditation Agencies
- **Compliance:**
  - Laboratory Standards (e.g. ISO 17025)
  - Regulatory, environmental and customer requirements
- **Training:**
  - Test performance from individual analysts can be monitored and reported over time.

## PROGRAMME FEATURES

- Comprehensive range of proven sample formats covering a range of tests in each round
- Participation by many accredited laboratories gives high quality, robust data sets with low variation
- Guidance from independent Technical Advisory Group ensures relevance to current industry needs
- Used by MPI (Ministry for Primary Industries), as the provider of Inter-Laboratory Comparison

Programmes for the meat, food and water testing industries.

## ACCREDITATION

- Global Proficiency is accredited to ISO/IEC 17043:2010 Conformity Assessment - General Requirements for Proficiency Testing: our scope includes the WaterChek programme however the Disinfection by-products category is not currently included.

## SAMPLE TYPES

- Disinfection by-products (Organic - Trihalomethanes)
- Disinfection by-products (Organic - Haloacetic Acids)

## AVAILABLE TESTS:

### Disinfection by-products (Organic)

#### *Trihalomethanes (WDT)*

Bromoform  
Chlorodibromomethane  
Bromodichloromethane  
Chloroform  
Total Trihalomethanes

#### *Haloacetic Acids (WDH)*

Bromoacetic acid  
Bromochloroacetic Acid  
Chloroacetic acid  
Dibromoacetic acid  
Dichloroacetic acid  
Trichloroacetic acid  
Total Haloacetic acids

## ALSO AVAILABLE:

Global Proficiency also offers other WaterChek proficiency programmes including **Potable Water**, **Effluent Water** and **Sea Water** – please request a copy of the Programme Description if you are interested.

**FOR MORE INFORMATION PLEASE VISIT OUR WEBSITE**

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