

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

The monitoring of waters that have undergone a disinfection process for the presence of potentially carcinogenic “dis-infection by-products” (DBP) is important to ensure the health of the public 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 and food testing industries

SAMPLE TYPES

- Dis-infection by-products (Organic)
- Dis-infection by-products (Inorganic)

AVAILABLE TESTS:

Dis-infection by-products (Organic)

Trihalomethanes

Chloroform
Bromoform
Dibromochloromethane
Bromodichloromethane

Haloacetic Acids

Chloroacetic acid
Dichloroacetic acid
Trichloroacetic acid
Bromoacetic acid
Dibromoacetic acid
Bromochloroacetic acid
Bromodichloroacetic acid
Dibromochloroacetic acid
Tribromoacetic acid

Trichloroacetaldehyde
[chloral hydrate]

Dis-infection by-products (Inorganic)

Oxyhalides

Bromide
Bromate
Chlorite
Chlorate

Chlorine

Chlorine, Free Available
Chlorine, Total

Chloramines

Mono, Di, Tri, Total

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.

CONTACT US TO DISCUSS YOUR REQUIREMENTS

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