



Method Summary

Determination of Total Dissolved Solids in Aqueous Samples using Conductivity measurement

Scope and Range

This method is accredited to ISO17025 for ground water, landfill leachate, treated and untreated industrial and sewage effluents and in-house prepared leachates. It has also been validated for surface water.

Limit of detection:

Waters 5mg/l

In-house Leachate 10mg/l

Working range: 1 - 2,000 mg/l TDS

Principle

Preparation and Extraction

A representative sample is taken. Analysis should be carried out as soon as possible after sampling.

Analysis

Samples are analysed using a Jenway 4320 Conductivity meter.

The clean probe is placed in the sample and the reading on the meter is allowed to settle. The reading is then recorded and reported, unless dilutions are needed - which are carried out using high purity deionised water.

Interferences

Suspended matter and samples containing oil may interfere with the Conductivity measurement.