

**Method Number: TM 094**



## **Method Summary**

### **Determination of Acidity in water, leachates and soil Samples**

#### **Scope and Range**

This method is not accredited.

Reporting limit for waters and leachates samples: 4 mg/l as HCl

Reporting limit for soil samples: 20 mg/l as HCl

#### **References**

Method 2310B, AWWA/APHA, 19<sup>TH</sup> ED, 1981

#### **Principle**

Samples are titrated with Sodium hydroxide using phenolphthalein indicator to an end point of pH 8.3.

The concentration of total acidity is calculated and reported as mg/l HCl.

Water sample are analysed unfiltered.

Soil samples are mixed with high purity deionised water in a 1:5 ratio, these are shaken and then filtered before analyses.

#### **Interferences**

Soaps, oily matter, suspended solids, or precipitates may coat the pH electrode and result in a sluggish response.