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## **Method Summary**

### **Solvent (Dichloromethane or Cyclohexane) Extractable Material from Soils**

#### **Scope and Range**

This method details the solvent (dichloromethane or cyclohexane) extraction of soil samples by Soxtherm to quantify the extractable organic material present.

Calibration Range: 100 mg/kg to 10<sup>6</sup>mg/kg  
Sample Range: LOD - 10<sup>6</sup>mg/kg

#### **Principle**

A known mass of dried and crushed soil sample is added to a Soxtherm thimble. The soil is heated in solvent (DCM or cyclohexane) under reflux. The solvent is then evaporated leaving a residue. The residue is weighed and related back to the initial mass of sample to give the concentration of extractable matter in the sample.

#### **Interferences**

Solvents, reagents glassware and other sample processing hardware may yield artefacts and/or interferences under the conditions of analysis. This is undertaken by analysis of extracted blanks.