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 10^6mg/kg
Sample Range: LOD - 10^6mg/kg

References

none

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.