

METALS IN SOIL

DIGESTION OF CRM SQC001, METALS IN SOIL USING COLDBLOCK™ DIGESTION TECHNOLOGY

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Introduction

This application note will focus on the digestion of CRM Metals in Soil (SQC001) Sigma – Aldrich using ColdBlock™ Digestion Technology.

Method

Triplicate samples were digested using the following method:

- Chiller temperature was set to -5°C
- 1.0g sample was weighed and placed into a ColdBlock™ Digestion vessel.
- 15 mL Aqua Regia was added
- Sample was digested at 100% power for 10 minutes then 4mL 30% H₂O₂ was added
- Sample was cooled and diluted 50mL using 2% HNO₃.

Instrument

ColdBlock™ Digestion CB12L Technology.

General

This procedure is specific for the sample digested and may need modification for different samples to achieve the desired result.