

Metals In Sewage Sludge

DIGESTION OF SEWAGE SLUDGE CRM SQC-001S USING COLDBLOCK™ DIGESTION TECHNOLOGY

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Introduction

This application note will focus on the digestion of CRM SQC-001S using ColdBlock™ Digestion CB12L Technology.

Method

Triplicate samples of Sewage Sludge 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.
- 15mL Aqua Regia (3:1 HCl:HNO₃) + 2mL 30% H₂O₂ was added carefully
- Sample was digested at 100% power for 10 minutes.
- After digestion ~2mL 30% H₂O₂ was added
- Sample was cooled then was normalized to 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.