

Method Number: TM 421

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Method Summary

Determination of Hexabromocyclododecane in Liquids by LCMSMS

Scope and Range

This method is used to detect hexabromocyclododecane in water samples

The detection limits for this method is 0.23ng/L

This method is currently accredited to ISO 17025 for ground, surface and saline water

References

none

Principle

Preparation and Extraction:

Isotope labelled analogues are added prior to sample extraction and carried through the entire extraction procedure and used as internal standards (IS).

A representative portion of the water sample undergoes liquid-liquid extraction.

Analysis:

Extracts are analysed via LCMSMS operating in the MRM mode:

Interferences

Interferences co-extracted from the sample will vary considerably from source to source. Resolution via LC and ionisation and detection by ESI-MS-MS reduces the likelihood of this occurring.