

ISO 20596-2:2021 (E)

Water quality — Determination of cyclic volatile methylsiloxanes in water — Part 2: Method using liquid-liquid extraction with gas chromatography-mass spectrometry (GC-MS)

Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	Principle
4.1	Principle of preservation and extraction
5	Interferences
5.1	Interferences with sampling and processing
5.2	Interferences with GC-MS
5.3	Interferences determination
6	Reagents
7	Apparatus
8	Method detection limits
9	Quality control
10	Sampling and storage
10.1	Sampling preparation
10.2	Sample collection
11	Extraction and analysis
11.1	Extraction
11.2	GC conditions and operation
12	Calibration
12.1	General requirements
12.2	Calibration calculations
12.3	Concentration calculations
12.4	Calculation of results
12.5	Treatment of results lying outside the calibration range
13	Expression of results
14	Test report
Annex A	(informative) GC-MS conditions
Annex B	(informative) Method detection limit and limit of quantification
Annex C	(informative) Example quality control samples
C.1	Quality control

- C.2 Trip blanks
- C.3 Field blanks
- C.4 Field spikes
- C.5 Procedural blanks

Annex D (informative) Performance data

Page count: 16