

ISO 23161:2009-09 (E)

Soil quality - Determination of selected organotin compounds - Gas-chromatographic method

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	2
3	Terms and definitions	2
4	Principle	2
5	Reagents	4
5.1	General	4
5.2	Chemicals	4
5.3	Standards	5
5.4	Preparation of reagents and solutions	6
5.5	Clean-up	7
6	Apparatus	7
6.1	Requirements for glassware	7
6.2	Sampling apparatus	8
6.3	Additional apparatus	8
7	Procedure	8
7.1	Sampling and sample pretreatment	8
7.2	Sample extraction	9
7.3	Clean-up of the extract	10
7.4	Determination of dry mass	11
7.5	Measurement	11
8	Calibration	12
9	Recovery rates of the internal standard compounds	12
10	Quantification	13
11	Expression of results	14
12	Precision	14
13	Test report	14
Annex A (informative) Information about the procedure		15
Annex B (informative) Additional clean-up procedures		17
Annex C (informative) Information about typical instrumental conditions		20
Annex D (informative) Information about GC/MS identification		31
Annex E (informative) Validation data		33
Bibliography		37

