

ISO 11916-2:2013-09 (E)

Soil quality - Determination of selected explosives and related compounds - Part 2: Method using gas chromatography (GC) with electron capture detection (ECD) or mass spectrometric detection (MS)

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Principle	2
4	Interferences	2
5	Reagents	2
5.1	General	2
5.2	Chemicals	2
5.3	Standard substances and solutions	3
6	Apparatus	3
6.1	General	3
6.2	Equipment for extraction	4
6.3	Equipment for re-solution (solvent exchange)	4
6.4	Gas chromatographic system (GC) with ECD or MS	4
7	Procedure	4
7.1	Sample pretreatment, sample storage and determination of water content	4
7.2	Extraction	5
7.3	Storage of extract	7
8	Gas chromatographic analysis	7
8.1	General	7
8.2	Gas chromatographic system	8
8.3	Calibration	8
8.4	Identification and quantification	9
9	Calculation of results	10
9.1	General	10
9.2	Calculation	10
10	Quality assurance	11
11	Expression of results	12
12	Test report	12
Annex A (informative) GC/ECD conditions		13
Annex B (informative) GC/MS conditions		16
Annex C (informative) Precision data		18
Bibliography		25