

DIN ISO 11916-2:2014-11 (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) (ISO 11916-2:2013)

Contents	Page
National foreword	3
National Annex NA (informative) Bibliography	4
1 Scope	5
2 Normative references	5
3 Principle	6
4 Interferences	6
5 Reagents	6
5.1 General.....	6
5.2 Chemicals.....	6
5.3 Standard substances and solutions.....	7
6 Apparatus	7
6.1 General.....	7
6.2 Equipment for extraction.....	8
6.3 Equipment for re-solution (solvent exchange).....	8
6.4 Gas chromatographic system (GC) with ECD or MS.....	8
7 Procedure	8
7.1 Sample pretreatment, sample storage and determination of water content.....	8
7.2 Extraction.....	9
7.3 Storage of extract.....	11
8 Gas chromatographic analysis	11
8.1 General.....	11
8.2 Gas chromatographic system.....	12
8.3 Calibration.....	12
8.4 Identification and quantification.....	13
9 Calculation of results	14
9.1 General.....	14
9.2 Calculation.....	14
10 Quality assurance	15
11 Expression of results	16
12 Test report	16
Annex A (informative) GC/ECD conditions	17
Annex B (informative) GC/MS conditions	20
Annex C (informative) Precision data	22
Bibliography	29