

DIN ISO 11916-1:2014-11 (E)

Soil quality - Determination of selected explosives and related compounds - Part 1: Method using high-performance liquid chromatography (HPLC) with ultraviolet detection (ISO 11916-1:2013)

Contents	Page
National foreword	2
National Annex NA (informative) Bibliography	3
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 High-performance liquid chromatography (HPLC) system with DAD	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 High-performance liquid chromatographic analysis	11
8.1 General	11
8.2 High-performance liquid chromatographic system	11
8.3 Calibration	12
8.4 Identification and quantification	13
9 Calculation of results	13
10 Quality assurance	13
11 Expression of results	14
12 Test report	14
Annex A (informative) Method-checking standard recovery limit	15
Annex B (informative) HPLC-UV-DAD conditions	16
Annex C (informative) Precision data	20
Bibliography	29