
**Soil quality — Determination of
selected explosives and related
compounds —**

Part 1:
**Method using high-performance
liquid chromatography (HPLC) with
ultraviolet detection**

*Qualité du sol — Dosage d'une sélection d'explosifs et de composés
apparentés —*

*Partie 1: Méthode utilisant la chromatographie liquide à haute
performance (CLHP) avec détection ultraviolet*





COPYRIGHT PROTECTED DOCUMENT

© ISO 2013

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

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 High-performance liquid chromatography (HPLC) system with DAD.....	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 High-performance liquid chromatographic analysis	7
8.1 General.....	7
8.2 High-performance liquid chromatographic system.....	7
8.3 Calibration.....	8
8.4 Identification and quantification.....	9
9 Calculation of results	9
10 Quality assurance	9
11 Expression of results	10
12 Test report	10
Annex A (informative) Method-checking standard recovery limit	11
Annex B (informative) HPLC-UV-DAD conditions	12
Annex C (informative) Precision data	16
Bibliography	25