ISO 25101:2009-03 (E)

Water quality - Determination of perfluorooctanesulfona te (PFOS) and perfluorooctanoate (PFOA) - Method for unfiltered samples using solid phase extraction and liquid chromatography/mass spectrometry

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Principle 1

4 Interferences 2

5 Reagents 3

6 Apparatus 4

7 Sampling and sample pretreatment 4

8 Procedure 4

9 Calibration 6

10 Calculation 8
11 Expression of results 9
12 Test report 9

Annex A (informative) Examples of suitable sorbents 10

Annex B (informative) Suitable HPLC columns 11

Annex C (informative) Examples of HPLC MS/MS chromatograms 12

Annex D (informative) Conditions for analysis of PFOS and PFOA using a single MS 15

Annex E (informative) Precision data 16

Annex F (informative) Details of the samples used for the interlaboratory trial 17

Bibliography 19