ISO 7981-1:2005-06 (E)

Water quality - Determination of pol ycyclic aromatic hydrocarbons (PAH) - Part 1: Determination of six PAH by high-performance thin-layer chromatography with fluorescence detection after liquid-liquid extraction

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Principle 1

3 Interferences 2

4 Reagents 3

5 Apparatus 4

6 Sampling 5

7 Procedure 6

8 Evaluation 8

9 Calibration 11

10 Determination of the recovery 13

11 Blank measurements 13

12 Calculation 13

13 Expression of results 14

14 Test report 15

15 Accuracy 15

Annex A (informative) Rf values of the six PAH under various chromatographic conditions 16

Annex B (informative) Spectroscopic identification 17

Annex C (informative) Examples for the construction of special apparatus 18

Annex D (informative) Accuracy 21

Bibliography 22