DIN ISO 28540:2014-05 (E)

Water quality - Determination of 16 polycyclic aromatic hydro carbons (PAH) in water - Method using gas chromatography with mass spectrometric detection (GC-MS) (ISO 28540:2011)

Contents

Page

National foreword 3

Introduction 7

1 Scope 8

2 Normative references 8

3 Terms and definitions 8

4 Principle 9

5 Interferences 11

6 Reagents 11

7 Apparatus 14

8 Sampling 15

9 Procedure 15

10 Calibration 18

11 Measurement of samples 19

12 Identification 19

13 Calculation 21

14 Expression of results 23

15 Test report 24

Annex A (informative) Examples for GC-MS conditions 25

Annex B (informative) Precision and accuracy 26

Annex C (informative) Examples of the construction of special apparatus 29

Annex D (informative) Example of chromatograms 31

Annex E (informative) Extraction with extraction disks 33

Bibliography 34

National Annex NA (informative) Bibliography 5