

ISO 15680:2003-11 (E)

Water quality - Gas-chromatographic determination of a number of monocyclic aromatic hydrocarbons, naphthalene and several chlorinated compounds using purge-and-trap and thermal desorption

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Principle	2
5	Interferences	3
6	Reagents	4
7	Apparatus	7
8	Sample collection, preservation and preparation	8
9	Analytical procedure	9
10	Calibration	11
11	Calculation	12
12	Expression of results	12
13	Precision data	12
14	Test report	12
Annex A (informative) Application of purge-and-trap concentration to the GC analysis of volatile compounds in water -- Example 1: Validation study in the UK		14
Annex B (informative) Application of purge-and-trap concentration to the GC-analysis of volatile compounds in water -- Example 2: Data provided by DIN		19
Annex C (informative) Application of purge-and-trap concentration to the GC-analysis of volatile compounds in water -- Example 3: Validation study in the Netherlands		22
Annex D (normative) Criteria for the GC-MS identification of target compounds		25
Annex E (informative) Procedures for the cleaning of glassware and the preparation of contaminant-free water		28
Annex F (informative) Preparation of standard solutions of volatile organic compounds		30
Annex G (informative) Determination of the (absolute) recovery of substances analysed by purge-and-trap concentration		32

Bibliography 33