DIN EN ISO 2620:2024-10 (E)

Analysis of natural gas - Biomethane - Determination of VOCs by thermal desorption gas chromatography with flame ionization and/or mass spectrometry detectors (ISO 2620:2024)

Contents

Page

European foreword ... **3**

Foreword ... **4**

Introduction ... **5**

1 Scope ... **6**

2 Normative references ... **6**

3 Terms and definitions ... **6**

4 Principle ... **6**

5 Reagents and materials ... **6**
5.1 Individual VOCs ... 6
5.2 Dilution solvent ... 7
5.3 Sorbents ... 7

6 Apparatus ... **7**

7 Preparation ... **7**
7.1 Field tube blanks ... 7
7.2 Solutions for liquid spiking ... 8
7.2.1 General ... 8
7.2.2 Solution containing approximately 0,2 mg/ml of each component ... 8
7.2.3 Solution containing approximately 0,04 mg/ml of each component ... 8
7.2.4 Solution containing approximately 0,01 mg/ml of each component ... 8
7.2.5 Standard tubes loaded with liquid spiking ... 8

8 Sampling ... **8**

9 Sample handling ... **9**

10 Procedure ... **9**
10.1 Desorption and analysis ... 9
10.2 Quantification ... 11
10.3 Calculations ... 11

11 Quality assurance ... **12**

12 Test report ... **12**

Bibliography ... **13**