



International
Standard

ISO 2620

**Analysis of natural gas —
Biomethane — Determination
of VOCs by thermal desorption
gas chromatography with
flame ionization and/or mass
spectrometry detectors**

**First edition
2024-03**

*Analyse du gaz naturel — Biométhane — Détermination des
COV par chromatographie en phase gazeuse à désorption
thermique avec détecteurs à ionisation de flamme et/ou
spectrométrie de masse*

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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

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Foreword

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Introduction

This document supports the implementation of specifications for biomethane and biogas when used in the natural gas grids and when used as a transport fuel. Implementation of these specifications require fit-for-purpose test methods with known performance and acceptable metrological traceability to support the trade in renewable gases and conformity assessment.

Depending on the production method, biogas usually contains volatile organic compounds (VOCs) such as terpenes, siloxanes, hydrocarbons, sulfur containing compounds, oxygenated hydrocarbons, halogenated hydrocarbons, ketones, alcohols, and esters. VOCs can also be found in the biomethane even after upgrading.

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