

LNG TANKER/TERMINAL

Isolated Stack Emissions of CASE B

| | |
|--------|------|
| Type | LNG |
| Client | ICCT |

Campaign information

| | |
|-----------------|---------------------------------|
| Pilot operator | Søren Jørgensen |
| Site location | |
| Sampling date | |
| Start time | 6:56:35 PM |
| End time | 7:15:40 PM |
| Number of walls | 1 |
| Reporting date | 10/4/2023 |
| Approved by | Jörg Beecken (Research Manager) |
| Lab address | Teknikerbyen 5, DK-2830 Virum |

Total emissions rate

| | |
|-------------------|-----------------|
| Target gas | CH ₄ |
| Average emission | 7.81 kg/h |
| Uncertainty | ± 2.66 kg/h |
| Measured fraction | N/A % |
| Notes | |

7.81 kg/h

Average emissions rate





Client information

| | |
|----------------|---|
| Client | ICCT |
| Address | 1500 K Street NW, Suite 650, Washington DC 20005 |
| Contact person | Bryan Comer |
| Email | bryan.comer@theicct.org |

Site information

| | |
|---------------|-----------------|
| Product | CH ₄ |
| Gas flow | N/A kg/h |
| Data provider | N/A |

Notes: N/A



Measurement campaign

Sampling plan ref. #207

Atmospheric specs ranges

| | |
|---------------------|-----------|
| Temperature | 22.2 °C |
| Mean wind velocity | 2.5 m/s |
| Mean wind direction | 46 °North |

Measurement data

| Wall ID | Start time | End time | Mean wind velocity (m/s) | Mean wind (°North) |
|---------|------------|------------|--------------------------|--------------------|
| 404 | 6:56:35 PM | 7:15:40 PM | 2.5 | 46 |

| Wall ID | CH ₄ emissions (kg/h) | Notes |
|---------|----------------------------------|---|
| 404 | 7.81 | Rate of isolated emissions from stack is 7.81 kg/h. |

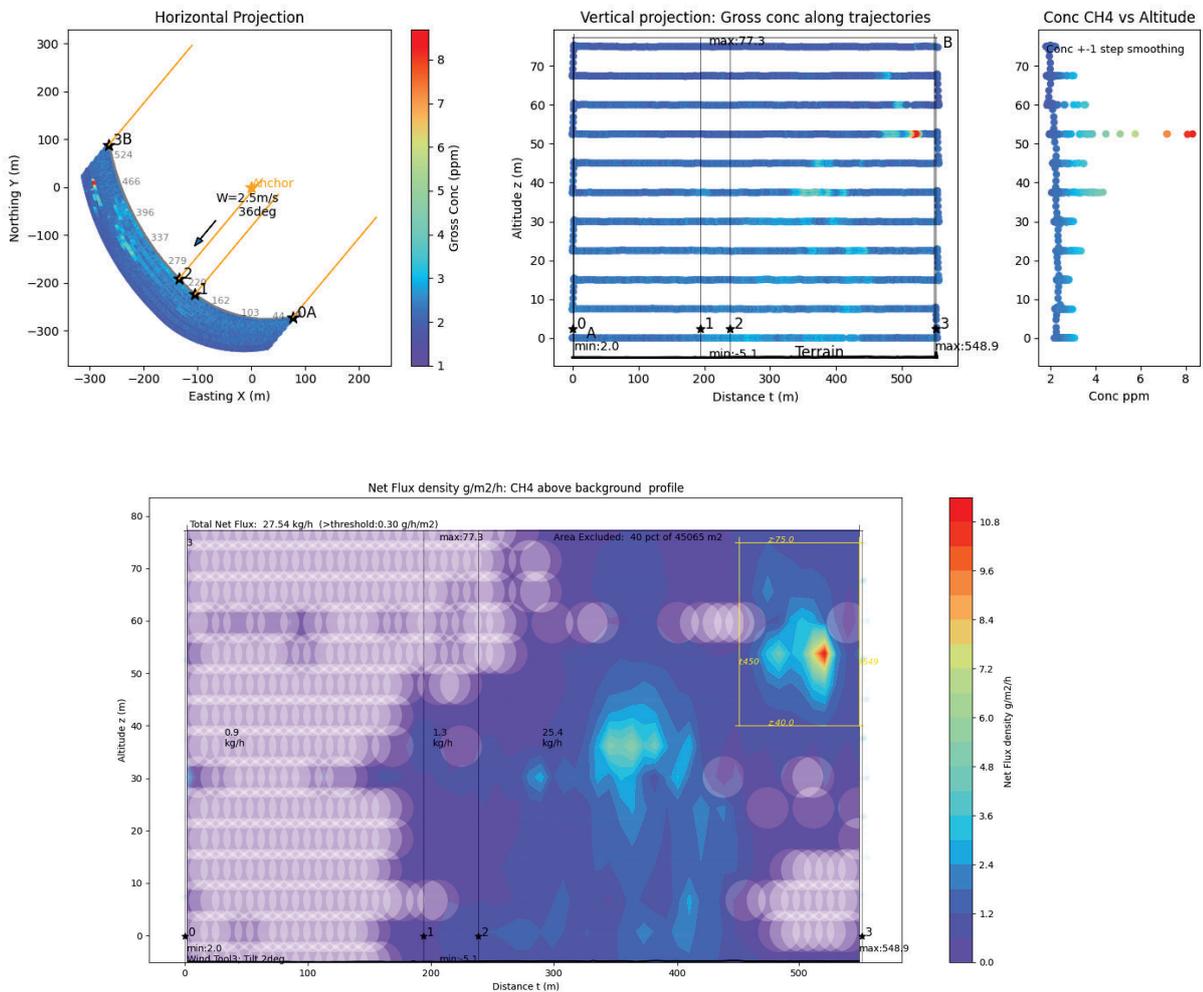
| | |
|--------------------|-------------|
| Average emission | 7.81 kg/h |
| Uncertainty | ± 2.66 kg/h |
| Standard deviation | N/A kg/h |



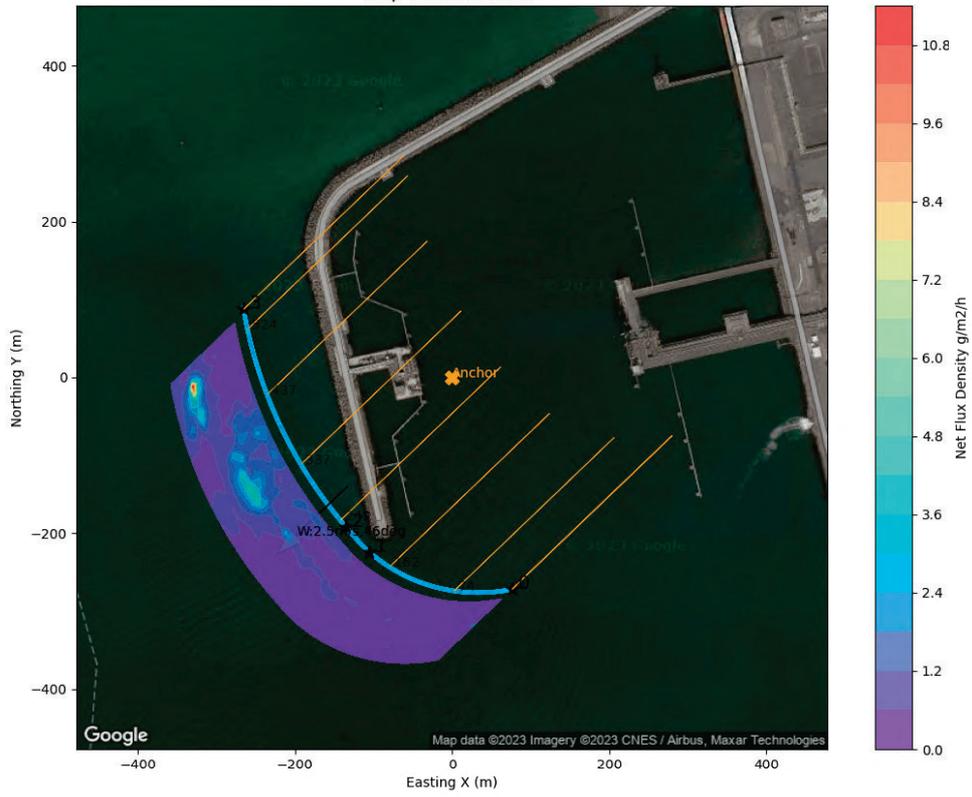
Result visualization 404

CH₄ emissions rate

7.81 kg/h



Map Visualization





Methodology

Methodology

This test report is based on results collected using the The Drone Flux Measurement (DFM) Method, developed by Explicit ApS, to quantify fugitive gas emissions downwind from one or more target sources. Details on the method and its validation are available upon request.

Uncertainty

Uncertainties apply on the evaluation of the test results. These derive from a method uncertainty budget established by FORCE Technology according to ISO/IEC Guide 98-3:2008 and are expressed at 95% confidence.

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