Emissions Analysis Report

AQUADONNA

IMO: **1013676**

Bulk carrier

Generated on January 13, 2026

1. Analysis Report

1. Summary of the operating profile: The ship "AQUADONNA" is a bulk carrier with dimensions of 199m in length, 32m in width, and a draft of 10.7m. In the reporting year 2024, it traveled a total distance of 374.75 nautical miles, operated for 137.08 hours, and maintained an average speed of 4.26 knots. The high load operation P95 speed was recorded at 12.7 knots. The vessel spent 0.25 of its time in motion.

2. Evaluation of the flag color: The flag color for this ship is GREEN, indicating that the reported data is plausible compared to the AI model. The deviation between the reported intensity (MRV) and the expected intensity (AI model) is -28.97 kg (-12.0%), which falls within acceptable limits. This results in a positive assessment, as the reported emissions are lower than those predicted by the AI model.

3. Recommendation for the inspector: Given the GREEN flag color and the acceptable deviation from the AI model, the reported data appears to be accurate and compliant with the EU MRV and FuelEU Maritime regulations. However, it is essential to verify the data's consistency across other relevant parameters and ensure that the reported emissions are not due to any unreported fuel consumption or operational anomalies. Regular monitoring and verification of emission data will help maintain compliance and promote environmental sustainability in maritime operations.

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2. Master Data

Attribute	Value
IMO	1013676
Ship Name	AQUADONNA
Vessel Type (AIS)	70.0
Vessel Type (MRV)	Bulk carrier
Report Year	2024

3. AIS Data

Parameter	Value
Total Distance	375 nm
Operating Time	137.1 h
AIS Messages	2989
Average Speed	4.26 kn
Median Speed	0.00 kn
95th Percentile Speed	12.70 kn
Navigation Activity	25.0 %
Ship Length	199.0 m
Ship Width	32.0 m
Draft (Median)	10.7 m

4. Emissions and Assessment Data

Parameter	Value
MRV CO2 Intensity	234.32 kg/nm
Modeled CO2 Intensity	263.29 kg/nm
Deviation (Absolute)	-28.97 kg/nm
Deviation (Relative)	-12.4 %
Assessment Status	**COMPLIANT**
Reason	Within normal parameters