



BRONWEN CAREY
MChem (Hons)

Fuel Chemist

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Bronwen Carey is a Fuel Chemist with 8 years of experience working in fuels and materials analysis, with physical testing and a broad spectrum of instrumental methods and thermal analysis techniques. Acting as a GC-MS specialist in an investigative fuel laboratory focusing on the development of methods for the analysis of marine fuels, focusing on detecting and recovering emerging contaminants. Utilising a wide range of both organic and inorganic analytical techniques for comprehensive analysis, including, but not limited to, headspace-GC-MS, Pyrolysis GC-MS, FT-IR, SEM-EDX and DSC. Bronwen is highly experienced in laboratory management, ISO 17025 quality management systems and analysis for fuel quality incidents. Bronwen has participated in witnessed joint analyses and various research projects, including novel hydrocarbon exploration techniques and DNA tag design. Experienced in laboratory design, build, and commissioning for fuel testing. Bronwen Carey joined Brookes Bell in 2020.

Academic Qualifications

Masters in Chemistry with Industrial Experience – Kingston University, London

Previous Employment History

Fuel and Analytical Chemistry Technical Lead – The Lab at Brookes Bell, Birkenhead

Analyst – Minton Treharne and Davies Limited, Cardiff

Postgraduate Researcher – Kingston University, London

Surveying and Consultancy Experience

- Investigation of quality disputes involving bunker fuel and chemical cargoes
- Arranging and participating in 'joint' analysis investigations
- Preparing letters and reports advising clients on quality disputes and outcomes of 'joint' analysis investigations
- Attending 'joint' sampling exercises on board ships
- Expansion of analytical capabilities
- Design, build and fit-out of a new lab facility
- Developed ISO 17025 Quality Management System