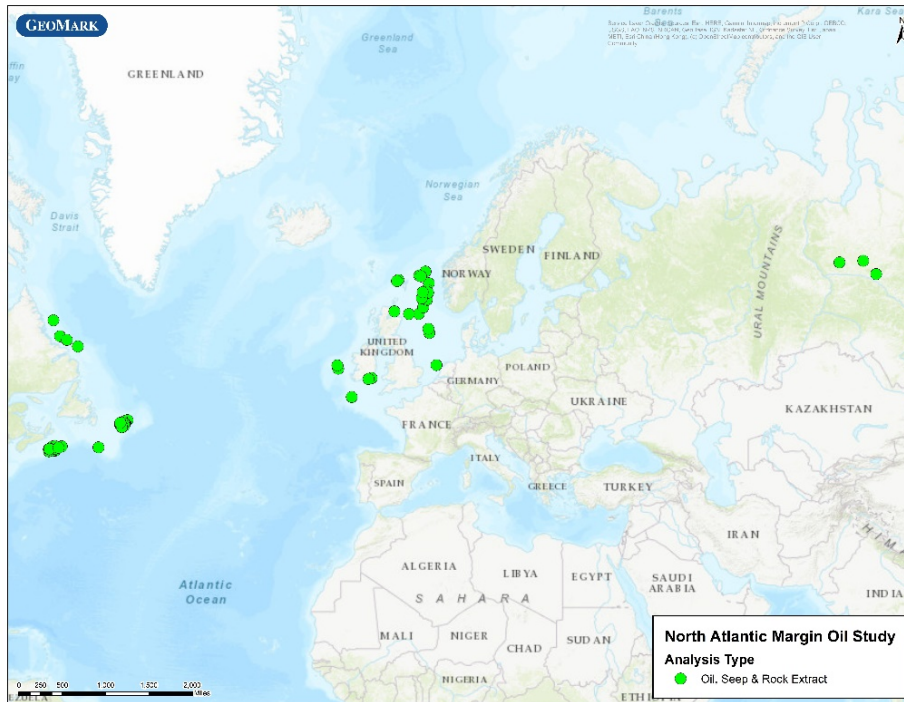


North Atlantic Margin Oil Study

Regional Petroleum Geochemistry of Crude Oils from North Atlantic Basins



GeoMark has completed an evaluation of all the petroleum systems active along the margins of the North Atlantic and is a final compliment to GeoMark's previous work for the central and southern Atlantic margins. For this Study, GeoMark assembled a collection of crude oil samples from along both sides of the margin and each of these samples was analyzed using a detailed geochemical program, including whole oil GC, GC/MS, and stable carbon isotope analyses. These analyses were then applied to provide a more detail understanding of the evolution of organofacies during the rifting process and the development of the many active petroleum systems along these passive margins. This study also addresses recent exploration activity along Newfoundland and Ireland and provides a discussion of how to risk source rocks and hydrocarbon generation throughout these basins.

Key conclusions in this study include:

- A more exact biomarker defined age control for the analyzed oils in this study.
- Provides a precise model of lacustrine, marine, and "transitional" organic facies present along the margin.
- Maps of the distribution of each oil family and associated source character.
- Refined the thermal maturity levels for the various oil families.
- Model of the degree of mixed source samples and the impact on fluid quality.

This interpretive will be delivered as a PDF and ArcGIS product. Data for this project is available now for a separate subscription fee. Please contact GeoMark research for more information.

**Samples: 70 Oils
65 Total Wells**

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