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PAH measurements and FerryBox system on M/S BALTIC QUEEN



Results Variability of oil compound PAH cc 16.02.2017 – 11.04.201 0,4 0,35 0.3 0.25 (I/grl) AH (0.15 0.1 0,05 Tallinn Stockholm

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Summary

- Asset for in-situ oil detection and monitoring has been developed based on FerryBox technology and equipped with on-line data management
- 55 ship voyages analysed (16.02 11.04.2017), 960 data points each, 52 800 in all e.g. very good ensemble for statistical analysis
- Max PAH concentration 0,36 µg/l
- Measured PAH concentrations are not absolute values, but rather relative, variability patterns can be still estimated
- · Remarkable variability of PAH concentrations near the coasts and the open sea
- General pattern of spatial distribution of the PAH concentration seems to be rather stable
- Sudden concentration rises which would directly indicate oil spills, have NOT been detected during the observation period, all PAH concentrations have stayed far below those defining an oil spill

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measurements