

Determinand:	Any compound extracted under the specific method conditions that can be separated by gas chromatography and produce a unique mass spectrum that can be identified.
Matrix:	Fresh and Saline Waters; Sewage and Trade Effluents and Solid materials
Instrumentation:	Gas Chromatography – Mass Spectrometry
Principle:	An internal standard is added to each sample before being extracted into dichloromethane using a liquid/ liquid technique. The sample is extracted in neutral and acid conditions and each extract combined before concentrating. The final extract is injected into a Gas Chromatograph interfaced with a Mass Selective Detector operating in Electron Ionisation (EI) mode, using full scan mode. The collected data is then compared to libraries contained in the PC based data handling software.
Range of Application:	Note specific (Dependant upon the capability of the analytical column and chemical property of compounds detected from the samples).
MRV:	Available upon request
Container:	1-litre glass bottle
Storage/Preservation:	Cold Storage at 5°C ± 3°C
Interferences:	Any substance that co-maximises will not be deconvoluted by AMDIS (<0.5 scan).
Within Laboratory Quality Control & Performance Criteria:	Not Applicable
External Quality Control:	Aquacheck