

Determinand:	Any compound in the Hazardous Chemicals Database extracted under the specific method conditions that can be separated (in time) by gas chromatography and produce a unique mass spectrum that can be identified	
Matrix:	Saline, surface and groundwaters, sewage and trade effluents, leachates and sediments.	
Instrumentation:		
Principle:	An internal standard is added to the sample which is then double extracted (neutral-acid) with dichloromethane, and separated. The two extracts are combined, concentrated and analysed by gas chromatography with mass spectrometric detection (GC-MS). Identification is made via the automated Deconvolution Reporting Software	
Range of Application:	Up to the capability of the analytical column and chemical properties of compounds detected. The range can be extended by dilution of the sample or extract	
MRV:	Available upon request.	
Container:	Glass 1 litre.	
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:		
	Total Error Target	< 20%
	Bias Target	< 10%
	Precision Targets	< 5% RSD
External Quality Control:	Aquacheck.	