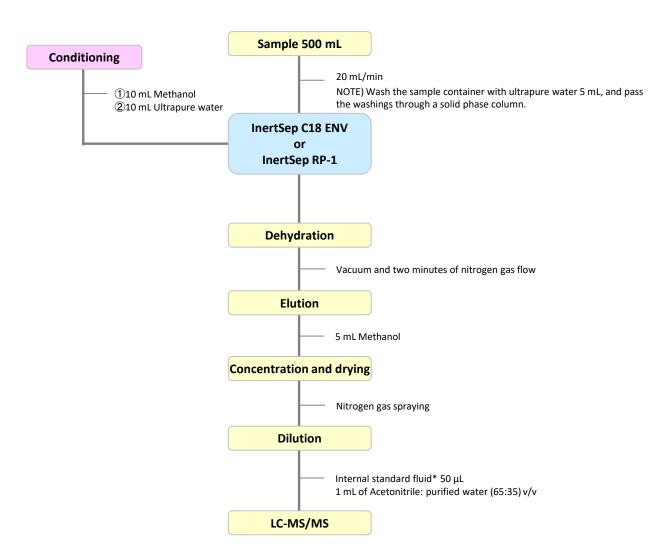
# Analysis of Linear Alkylbenzenesulfonic Acid and its Salts in Environmental Water (LC/MS (/MS) method)

Linear alkylbenzenesulfonic acid is regarded as a chemical that may interfere with the habitat or growth of aquatic organisms. It was added to the environmental quality standard items for the conservation of aquatic life (announced and enforced on March 27, 2013). It is now considered to be necessary to reduce the concentration of this compound in public waters nationwide.

Analytical methods employ a reversed-phase solid-phase extraction method with quantification by LC/MS/MS.

## 1. Flow diagram of solid phase pretreatment



<sup>\*:</sup>Sodium octylbenzenesulfonate (C8-LAS)

Reference: Environmental Quality Standards for Water Pollution (Appendix 12) issued by the Ministry of the Environment



# 2. Products for solid-phase extraction

## [InertSep C18 ENV]

Si-(CH<sub>2</sub>)17CH<sub>3</sub>

InertSep C18 ENV is a C18 solid phase developed for water quality analysis; it can be used for anionic surfactant pre-treatment of water samples.

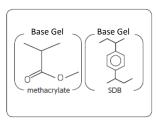
## Syringe barrel type cartridge

Product name	Column size	Qty.	Cat.No.
InertSep C18 ENV	500 mg/6 mL	30 bottles	5010-61204

#### Luer device cartridge

	Product name	Column size	Qty.	Cat.No.
InartCon	In ant Care Climat CAO FANY	500 mg	50 bottles	5010-65200
InertSep SlimJ C18 ENV	1000 mg	50 bottles	5010-65201	

## [InertSep RP-1]



use

InertSep RP 1 is a polymeric solid phase based on SDB and methacrylate. It is optimal for enrichment of a wide range of compounds from low to medium high polarity.

#### Syringe barrel type cartridge

Product name	Column size	Qty.	Cat.No.
	250 mg/6 mL	30 bottles	5010-27000
InertSep RP-1	500 mg/6 mL	30 bottles	5010-27004
	500 mg/12 mL	20 bottles	5010-27005

### Luer device cartridge

Product name	Column size	Qty.	Cat.No.
InertSep mini RP-1	230 mg	50 bottles	5010-27200
		500 bottles	5010-27220

GL Sciences disclaims any and all responsibility for any injury or damage which may be caused by this data directly or indirectly. We reserve the right to amend this information or data at any time and without any prior announcement.

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