

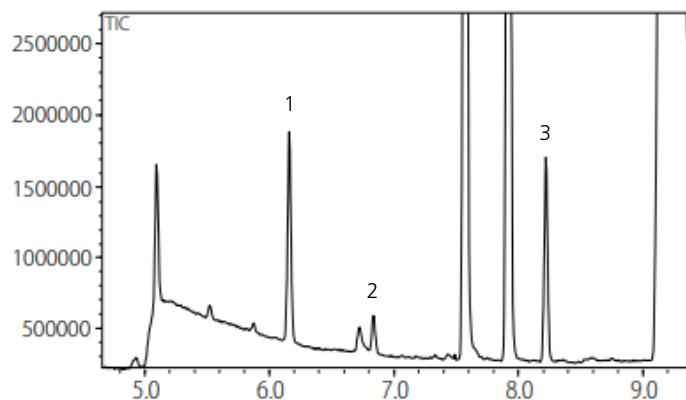
CoreFocus
Report
No.387

GCMS SH Series

SH-I-1MS

Analysis of Alkylmercury Compounds

Keywords: wastewater



1. Phenyl methyl mercury (10 µg(HG)/L)
2. 2,4,6-Trichloroanisole-d3 (2 µg/L)
3. Phenyl ethyl mercury (10 µg(HG)/L)

Model	:	GCMS-QP™2020 NX	MS	
Column	:	SH-I-1MS (30 m x 0.25 mm I.D., 0.25 µm)	Ionization method	: EI
		P/N : 221-75923-30	Ion source temp.	: 230 °C
Glass insert	:	Topaz®3.5 mm I.D. Single taper inlet liner w/wool Code No. 23336, Restek Corporation	Interface temp.	: 280 °C
GC			Measurement mode	: Scan
Inlet temp.	:	280 °C	Event time (scan)	: 0.3 s
Injection mode	:	Splitless	Mass range (m/z)	: 35 -400
Sampling time	:	1 min	Measurement mode	: SIM
Carrier gas	:	He	Event time (SIM)	: 0.3 s
Control mode	:	Constant linear velocity (40 cm/s)	Monitor ions (m/z)	: Phenyl methyl mercury 294, 292
High-pressure inj.	:	250 kPa (1.5 min)		: Phenyl ethyl mercury 308, 306
Column oven temp.	:	90 °C (1 min) - (8 °C /min) - 220 °C - (30 °C/min) - 280 °C (3 min)		: 2,4,6-Trichloroanisole-d3 215, 213
Injection volume	:	1 µL		

Source : Application News M281 (JP)

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