Article

Supplementary Materials: Development of a methodology for determination of dioxins and dioxin-like PCBs in meconium by gas chromatography coupled to high-resolution mass spectrometry (GC-HRMS)

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Table S1. Overview of extraction and clean-up methods in the analysis of PCDD/Fs and dl-PCBs in meconium.

References	Country	Extraction method	Clean-up	Sample amount (g)	Analysis Technique	Common Compounds
Fernandez-Cruz et al., 2020	Spain	SPLE (ACN[a])	Dual-layer SPE EZ-POP cartridges	0.5	GC-QqQ-MS/MS	PCB 77, 81, 105, 114, 118, 123, 126, 156, 157, 167, 169, 189
Morokuma et al., 2017	Japan	Not specified	Not specified	5	HRGC-MS	7 PCDD, 10 PCDF, 4 PCB
Jeong et al., 2016	Korea	Soxhlet extraction (DCM[b]:HX[c] (3:1))	Multi-layered SPE containing anhydrous Na2SO4, silica, 22% (w/w) H2SO4-silica gel, 44% (w/w) H2SO4-silica gel, and 2% (w/w) KOH-silica gel	0.5-1.5	HRGC-HRMS	PCB 118
Veyhe et al., 2013	Norway	Solid-Liquid extraction (H2SO4 + HX[c]) vortex and ultrasonic	SPE automated cleaning using Florisil	0.5-0.7	GC-MS	PCB 118, 156
Álvarez-Silvares et al., 2021	Spain	SPLE (ACN[a])	Dual-layer SPE EZ-POP cartridges	0.5	GC-QqQ-MS/MS	PCB 118, 77, 126, 156, 157, 81, 105, 114, 167, 169, 189

[a]ACN: acetonitrile

[b]DCM: dichloromethane

[c]HX: hexane