



Centre de toxicologie / INSPQ

Biological Reference Material

- Evaluation Report -

AM-S-W2606

Biological matrix : Serum

Date of publication :

Expiration date :

2031-02-16

MATERIAL NUMBER	ANALYTE GROUPING	ANALYTE	ASSIGNED VALUE	UNIT	STANDARD UNCERTAINTY *	N
AM-S-W2606	Brominated flame retardants	PBDE IUPAC # 100	0.250	µg/L	0.0115	9
		PBDE IUPAC # 153	0.117	µg/L	0.00313	10
		PBDE IUPAC # 154	0.0505	µg/L	0.00271	9
		PBDE IUPAC # 183	0.0932	µg/L	0.00342	9
		PBDE IUPAC # 209	0.0985	µg/L	0.00873	4
		PBDE IUPAC # 28	0.0556	µg/L	0.000997	9
		PBDE IUPAC # 47	0.124	µg/L	0.00327	10
		PBDE IUPAC # 99	0.0528	µg/L	0.00180	9
	Organochlorinated pesticides	Hexachlorobenzene	0.135	µg/L	0.00285	12
		Oxychlordane	0.933	µg/L	0.0313	8
		p,p'-DDE	0.725	µg/L	0.0166	12
		p,p'-DDT	0.123	µg/L	0.00506	11
		β-HCH	0.122	µg/L	0.00993	11
		trans-Nonachlor	0.602	µg/L	0.0285	10
		Heptachlor	0.674	µg/L	0.0469	6
		Heptachlor epoxide	0.596	µg/L	0.0290	5
		Dieldrin	0.0673	µg/L	0.00762	6
		Mirex	0.163	µg/L	0.00984	8
		cis-Nonachlor	0.347	µg/L	0.0174	5
	PCB congeners	PCB IUPAC # 105	0.0593	µg/L	0.00412	9
		PCB IUPAC # 118	0.544	µg/L	0.0190	12
		PCB IUPAC # 138	0.618	µg/L	0.0505	10
		PCB IUPAC # 153	0.267	µg/L	0.0165	11
		PCB IUPAC # 170	0.122	µg/L	0.00458	9
		PCB IUPAC # 180	0.629	µg/L	0.0312	12
		PCB IUPAC # 28	0.203	µg/L	0.00623	13
		PCB IUPAC # 74	0.378	µg/L	0.0214	9
		PCB IUPAC # 99	0.543	µg/L	0.0257	9
		PCB IUPAC # 52	0.0626	µg/L	0.00358	11
		PCB IUPAC # 101	0.289	µg/L	0.0146	12
		PCB IUPAC # 183	0.0631	µg/L	0.00431	9
		PCB IUPAC # 187	0.243	µg/L	0.0186	9

* Standard uncertainty (µx): characteristic of the dispersion of results used to calculate the assigned value; expressed in the same format as the standard deviation.



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