



Centre de toxicologie / INSPQ

Biological Reference Material

- Evaluation Report -

AM-S-W2309

Biological matrix : Serum Date of publication : 2028-08-22
Expiration date :

MATERIAL NUMBER	ANALYTE GROUPING	ANALYTE	ASSIGNED VALUE	UNIT	STANDARD UNCERTAINTY *	N
AM-S-W2309	Brominated flame retardants	PBDE IUPAC # 100	0.469	µg/L	0.0368	11
		PBDE IUPAC # 153	0.366	µg/L	0.0209	12
		PBDE IUPAC # 154	0.584	µg/L	0.0378	11
		PBDE IUPAC # 183	0.190	µg/L	0.0147	9
		PBDE IUPAC # 209	0.441	µg/L	0.0308	3
		PBDE IUPAC # 28	0.357	µg/L	0.00909	11
		PBDE IUPAC # 47	0.223	µg/L	0.0112	13
		PBDE IUPAC # 99	0.426	µg/L	0.0148	12
	Organochlorinated pesticides	Hexachlorobenzene	0.912	µg/L	0.0203	17
		Oxychlordane	0.210	µg/L	0.0153	12
		p,p'-DDE	0.869	µg/L	0.0330	16
		p,p'-DDT	0.721	µg/L	0.0208	14
		β-HCH	0.308	µg/L	0.0184	14
		trans-Nonachlor	1.58	µg/L	0.0523	14
		Heptachlor	0.660	µg/L	0.0818	7
		Heptachlor epoxide	0.139	µg/L	0.00555	7
		Dieldrin	0.951	µg/L	0.0327	6
		Mirex	1.66	µg/L	0.0727	9
		cis-Nonachlor	0.616	µg/L	0.0446	7
	PCB 101	PCB IUPAC # 101	0.698	µg/L	0.0274	15
	PCB 183	PCB IUPAC # 183	0.808	µg/L	0.0202	10
	PCB 187	PCB IUPAC # 187	0.201	µg/L	0.00435	10
	PCB 52	PCB IUPAC # 52	0.364	µg/L	0.0140	14
	PCB congeners	PCB IUPAC # 105	0.176	µg/L	0.00791	13
		PCB IUPAC # 118	0.535	µg/L	0.0174	16
		PCB IUPAC # 138	0.432	µg/L	0.0193	11
		PCB IUPAC # 153	0.531	µg/L	0.0161	16
		PCB IUPAC # 170	0.363	µg/L	0.0167	12
		PCB IUPAC # 180	1.57	µg/L	0.0577	16
		PCB IUPAC # 28	0.449	µg/L	0.0108	15
		PCB IUPAC # 74	0.564	µg/L	0.0312	11
		PCB IUPAC # 99	0.465	µg/L	0.0247	12



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MATERIAL NUMBER	ANALYTE GROUPING	ANALYTE	ASSIGNED VALUE	UNIT	STANDARD UNCERTAINTY *	N
AM-S-W2309	Serum lipids	Total Cholesterol	1.60	g/L	0.0495	5
		Total lipids	5.35	g/L	0.201	4
		Triglycerides	1.09	g/L	0.0394	5

* Standard uncertainty (μ x): 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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