



Centre de toxicologie / INSPQ

Biological Reference Material

- Evaluation Report -

AM-S-W2308

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

MATERIAL NUMBER	ANALYTE GROUPING	ANALYTE	ASSIGNED VALUE	UNIT	STANDARD UNCERTAINTY *	N
AM-S-W2308	Brominated flame retardants	PBDE IUPAC # 100	0.633	µg/L	0.0539	11
		PBDE IUPAC # 153	0.537	µg/L	0.0300	11
		PBDE IUPAC # 154	0.557	µg/L	0.0315	11
		PBDE IUPAC # 183	0.438	µg/L	0.0353	9
		PBDE IUPAC # 209	1.57	µg/L	0.237	3
		PBDE IUPAC # 28	0.747	µg/L	0.0422	11
		PBDE IUPAC # 47	1.52	µg/L	0.0734	13
		PBDE IUPAC # 99	0.625	µg/L	0.0311	12
	Organochlorinated pesticides	Hexachlorobenzene	2.03	µg/L	0.0413	17
		Oxychlorane	1.99	µg/L	0.0947	13
		p,p'-DDE	7.71	µg/L	0.205	16
		p,p'-DDT	1.90	µg/L	0.0503	14
		β-HCH	1.92	µg/L	0.102	14
		trans-Nonachlor	4.09	µg/L	0.116	13
		Heptachlor	1.84	µg/L	0.132	8
		Heptachlor epoxide	1.73	µg/L	0.130	8
		Dieldrin	1.83	µg/L	0.104	6
		Mirex	3.93	µg/L	0.134	9
		cis-Nonachlor	3.47	µg/L	0.392	7
	PCB 101	PCB IUPAC # 101	1.71	µg/L	0.0901	15
	PCB 183	PCB IUPAC # 183	1.77	µg/L	0.122	10
	PCB 187	PCB IUPAC # 187	1.88	µg/L	0.166	10
	PCB 52	PCB IUPAC # 52	0.799	µg/L	0.0380	14
	PCB congeners	PCB IUPAC # 105	0.410	µg/L	0.0268	13
		PCB IUPAC # 118	0.813	µg/L	0.0357	16
		PCB IUPAC # 138	1.99	µg/L	0.115	13
		PCB IUPAC # 153	2.17	µg/L	0.105	16
		PCB IUPAC # 170	0.793	µg/L	0.0599	12
		PCB IUPAC # 180	1.69	µg/L	0.0955	16
		PCB IUPAC # 28	0.826	µg/L	0.0282	15
		PCB IUPAC # 74	0.760	µg/L	0.0265	11
		PCB IUPAC # 99	0.887	µg/L	0.0600	12



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MATERIAL NUMBER	ANALYTE GROUPING	ANALYTE	ASSIGNED VALUE	UNIT	STANDARD UNCERTAINTY *	N
AM-S-W2308	Serum lipids	Total Cholesterol	2.06	g/L	0.0858	5
		Total lipids	6.72	g/L	0.399	4
		Triglycerides	1.42	g/L	0.0640	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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