



Centre de toxicologie / INSPQ

Biological Reference Material

- Evaluation Report -

AM-S-W2507

Biological matrix : Serum

Date of publication :

Expiration date :

2030-03-26

MATERIAL NUMBER	ANALYTE GROUPING	ANALYTE	ASSIGNED VALUE	UNIT	STANDARD UNCERTAINTY *	N
AM-S-W2507	Brominated flame retardants	PBDE IUPAC # 100	0.0543	µg/L	0.00281	11
		PBDE IUPAC # 153	0.0686	µg/L	0.00295	12
		PBDE IUPAC # 154	0.0542	µg/L	0.00172	10
		PBDE IUPAC # 183	0.0962	µg/L	0.00731	9
		PBDE IUPAC # 209	0.123	µg/L	0.0115	4
		PBDE IUPAC # 28	0.0616	µg/L	0.00371	11
		PBDE IUPAC # 47	0.121	µg/L	0.00390	12
		PBDE IUPAC # 99	0.0554	µg/L	0.00328	12
	Organochlorinated pesticides	Hexachlorobenzene	0.156	µg/L	0.0104	16
		Oxychlorane	0.136	µg/L	0.00749	12
		p,p'-DDE	0.906	µg/L	0.0283	17
		p,p'-DDT	0.117	µg/L	0.00745	16
		β-HCH	0.132	µg/L	0.00447	16
		trans-Nonachlor	0.144	µg/L	0.00652	13
		Heptachlor	0.0611	µg/L	0.00761	8
		Heptachlor epoxide	0.0590	µg/L	0.00452	6
		Dieldrin	0.0721	µg/L	0.00443	6
		Mirex	0.375	µg/L	0.0176	11
		cis-Nonachlor	0.357	µg/L	0.0195	9
	PCB congeners	PCB IUPAC # 105	0.0604	µg/L	0.000830	13
		PCB IUPAC # 118	0.130	µg/L	0.00288	16
		PCB IUPAC # 138	0.186	µg/L	0.00723	16
		PCB IUPAC # 153	0.226	µg/L	0.0145	16
		PCB IUPAC # 170	0.139	µg/L	0.00583	13
		PCB IUPAC # 180	0.197	µg/L	0.00929	16
		PCB IUPAC # 28	0.230	µg/L	0.00954	14
		PCB IUPAC # 74	0.135	µg/L	0.00514	12
		PCB IUPAC # 99	0.131	µg/L	0.00444	13
		PCB IUPAC # 52	0.0697	µg/L	0.00414	11
		PCB IUPAC # 101	0.112	µg/L	0.00663	16
		PCB IUPAC # 183	0.0683	µg/L	0.00345	13
		PCB IUPAC # 187	0.0777	µg/L	0.00337	13

* 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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