



Centre de toxicologie / INSPQ

# Biological Reference Material

## - Evaluation Report -

**AM-S-W2603**

Biological matrix : Serum

Date of publication :  
Expiration date : 2030-03-26

MATERIAL NUMBER	ANALYTE GROUPING	ANALYTE	ASSIGNED VALUE	UNIT	STANDARD UNCERTAINTY *	N
AM-S-W2603	Brominated flame retardants	PBDE IUPAC # 100	0.0392	µg/L	0.00192	8
		PBDE IUPAC # 153	0.0610	µg/L	0.00306	9
		PBDE IUPAC # 154	0.0397	µg/L	0.00370	8
		PBDE IUPAC # 183	0.0812	µg/L	0.00506	8
		PBDE IUPAC # 28	0.0500	µg/L	0.00355	8
		PBDE IUPAC # 47	0.108	µg/L	0.00356	9
		PBDE IUPAC # 99	0.0462	µg/L	0.00241	9
	Organochlorinated pesticides	Hexachlorobenzene	0.130	µg/L	0.00437	13
		Oxychlorane	0.109	µg/L	0.00383	9
		p,p'-DDE	0.636	µg/L	0.0306	13
		p,p'-DDT	0.108	µg/L	0.00406	11
		β-HCH	0.110	µg/L	0.00578	12
		trans-Nonachlor	0.114	µg/L	0.00472	11
		Heptachlor	0.0473	µg/L	0.00184	6
		Heptachlor epoxide	0.0445	µg/L	0.00215	4
		Dieldrin	0.0639	µg/L	0.0101	5
		Mirex	0.444	µg/L	0.0138	8
	cis-Nonachlor	0.456	µg/L	0.0124	7	
	PCB congeners	PCB IUPAC # 105	0.0455	µg/L	0.00187	10
		PCB IUPAC # 118	0.100	µg/L	0.00356	12
		PCB IUPAC # 138	0.139	µg/L	0.00564	10
		PCB IUPAC # 153	0.155	µg/L	0.00576	12
		PCB IUPAC # 170	0.111	µg/L	0.00482	10
		PCB IUPAC # 180	0.126	µg/L	0.00370	13
PCB IUPAC # 28		0.188	µg/L	0.00526	12	
PCB IUPAC # 74		0.109	µg/L	0.00731	9	
PCB IUPAC # 99		0.106	µg/L	0.00396	10	
PCB IUPAC # 52		0.0320	µg/L	0.00175	9	
PCB IUPAC # 101		0.0415	µg/L	0.00220	10	
PCB IUPAC # 183		0.0233	µg/L	0.00137	10	
PCB IUPAC # 187		0.0376	µg/L	0.00220	10	

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



Centre de toxicologie / INSPQ

# Biological Reference Material

## - Evaluation Report -

**AM-S-W2603**

**Biological matrix :** Serum

**Date of publication :**

**Expiration date :**

2030-03-26

Centre de toxicologie / INSPQ | 945, ave. Wolfe | Québec (Québec) G1V 5B3 | Canada  
Tél. : (418) 650-5115, poste 4254 | Fax : (418) 654-2148 | Courriel : [ctq@inspq.qc.ca](mailto:ctq@inspq.qc.ca) | Site Web : [www.inspq.qc.ca/ctq](http://www.inspq.qc.ca/ctq)  
Magasin virtuel : [www.inspq.qc.ca/ctq/vente](http://www.inspq.qc.ca/ctq/vente) | Virtual store/reference material : [www.inspq.qc.ca/ctq/sales](http://www.inspq.qc.ca/ctq/sales)