

House dust - Organic contaminants

Art. ID	NIST-2585
Unit	10 g
Deliverydetails	No Dangerous Good /not restricted

Description

This Standard Reference Material® (SRM®) is a house dust intended for use in evaluating analytical methods for the determination of selected polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyl (PCB) congeners, chlorinated pesticides, and polybrominated diphenyl ether (PBDE) congeners in house dust and similar matrices. Reference values for PAHs, PCBs, Pesticides, PBDEs. /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
dry-mass basis	Naphthalene	[91-20-3]	266 ± 8	µg/kg		
dry-mass basis	Dibenzothiophene	[132-65-0]	109 ± 8	µg/kg		
dry-mass basis	Phenanthrene	[85-01-8]	1920 ± 20	µg/kg		
dry-mass basis	Anthracene	[120-12-7]	96,0 ± 5,2	µg/kg		
dry-mass basis	4H-Cyclopenta(def)phenanthrene	[203-64-5]	117 ± 10	µg/kg		
dry-mass basis	3-Methylphenanthrene	[832-71-3]	293 ± 36	µg/kg		
dry-mass basis	2-Methylphenanthrene	[2531-84-2]	352 ± 40	µg/kg		
dry-mass basis	9-Methylphenanthrene	[883-20-5]	205 ± 16	µg/kg		
dry-mass basis	1-Methylphenanthrene	[832-69-9]	197 ± 29	µg/kg		
dry-mass basis	Fluoranthene	[206-44-0]	4380 ± 100	µg/kg		
dry-mass basis	Pyrene	[129-00-0]	3290 ± 30	µg/kg		
dry-mass basis	Benzo(g,h,i)fluoranthene	[203-12-3]	317 ± 11	µg/kg		
dry-mass basis	Benzo(c)phenanthrene	[195-19-7]	288 ± 10	µg/kg		
dry-mass basis	Benzo(a)anthracene	[56-55-3]	1160 ± 54	µg/kg		
dry-mass basis	Chrysene	[218-01-9]	2260 ± 60	µg/kg		
dry-mass basis	Triphenylene	[217-59-4]	589 ± 17	µg/kg		
dry-mass basis	Benzo(b)fluoranthene	[205-99-2]	2700 ± 90	µg/kg		
dry-mass basis	Benzo(j)fluoranthene	[205-82-3]	1320 ± 110	µg/kg		
dry-mass basis	Benzo(k)fluoranthene	[207-08-9]	1330 ± 70	µg/kg		
dry-mass basis	Benzo(a)fluoranthene	[203-33-8]	74,5 ± 8,1	µg/kg		
dry-mass basis	Benzo(e)pyrene	[192-97-2]	2160 ± 80	µg/kg		
dry-mass basis	Benzo(a)pyrene	[50-32-8]	1140 ± 10	µg/kg		
dry-mass basis	Perylene	[198-55-0]	387 ± 23	µg/kg		
dry-mass basis	Benzo(g,h,i)perylene	[191-24-2]	2280 ± 40	µg/kg		
dry-mass basis	Indeno(1,2,3-cd)pyrene	[193-39-5]	2080 ± 100	µg/kg		

dry-mass basis	Dibenz(a,j)anthracene	[224-41-9]	267 ± 9	µg/kg
dry-mass basis	Dibenz(a,c)anthracene	[215-58-7]	183 ± 25	µg/kg
dry-mass basis	Dibenz(a,h)anthracene	[53-70-3]	301 ± 50	µg/kg
dry-mass basis	Benzo(b)chrysene	[214-17-5]	182 ± 6	µg/kg
dry-mass basis	Picene	[213-46-7]	413 ± 15	µg/kg
dry-mass basis	Coronene	[191-07-1]	603 ± 38	µg/kg
dry-mass basis	Dibenzo(b,k)fluoranthene	[205-97-0]	596 ± 22	µg/kg
dry-mass basis	Dibenzo(a,e)pyrene	[192-65-4]	477 ± 67	µg/kg
dry-mass basis	2,2',5-Trichlorobiphenyl (PCB 18)	[37680-65-2]	12,8 ± 1,0	µg/kg
dry-mass basis	2,4,4'-Trichlorobiphenyl (PCB 28)	[7012-37-5]	13,4 ± 0,5	µg/kg
dry-mass basis	2,4',5-Trichlorobiphenyl (PCB 31)	[16606-02-3]	14,0 ± 0,5	µg/kg
dry-mass basis	2,2',3,5'-Tetrachlorobiphenyl (PCB 44)	[41464-39-5]	18,1 ± 1,9	µg/kg
dry-mass basis	2,2',5,5'-Tetrachlorobiphenyl (PCB 52)	[35693-99-3]	21,8 ± 1,9	µg/kg
dry-mass basis	2,3,3',4'-Tetrachlorobiphenyl (PCB 56)	[41464-43-1]	4,42 ± 0,28	µg/kg
dry-mass basis	2,3',4',5-Tetrachlorobiphenyl (PCB 70)	[32598-11-1]	13,1 ± 1,2	µg/kg
dry-mass basis	2,4,4',5-Tetrachlorobiphenyl (PCB 74)	[32690-93-0]	5,22 ± 0,51	µg/kg
dry-mass basis	2,2',3,4,5'-Pentachlorobiphenyl (PCB 87)	[38380-02-8]	16,6 ± 0,8	µg/kg
dry-mass basis	2,2',3,5,5'-Pentachlorobiphenyl (PCB 92)	[52663-61-3]	5,48 ± 0,72	µg/kg
dry-mass basis	2,2',3,5',6-Pentachlorobiphenyl (PCB 95)	[38379-99-6]	22,7 ± 2,6	µg/kg
dry-mass basis	2,2',4,4',5-Pentachlorobiphenyl (PCB 99)	[38380-01-7]	11,6 ± 0,4	µg/kg
dry-mass basis	2,2',4,5,5'-Pentachlorobiphenyl (PCB 101)	[37680-73-2]	29,8 ± 2,3	µg/kg
dry-mass basis	2,3,3',4,4'-Pentachlorobiphenyl (PCB 105)	[32598-14-4]	13,2 ± 1,4	µg/kg
dry-mass basis	2,3,3',4',5-Pentachlorobiphenyl (PCB 105)	[70424-68-9]	4,14 ± 0,47	µg/kg

	biphenyl (PCB 109) (BZ# 107)			
dry-mass basis	2,3,3',4',6-Pentachloro	[38380-03-9]	28,1 ± 3,7	µg/kg
	biphenyl (PCB 110)			
dry-mass basis	2,3',4,4',5-Pentachloro	[31508-00-6]	26,3 ± 1,7	µg/kg
	biphenyl (PCB 118)			
dry-mass basis	2,2',3,4,4',5'-Hexachlorobiphenyl (PCB 138)	[35065-28-2]	27,6 ± 2,1	µg/kg
dry-mass basis	2,2',3,4',5,5'-Hexachlorobiphenyl (PCB 146)	[51908-16-8]	4,89 ± 0,38	µg/kg
dry-mass basis	2,2',3,4',5',6-Hexachlorobiphenyl (PCB 149)	[38380-04-0]	24,4 ± 1,9	µg/kg
dry-mass basis	2,2',3,5,5',6-Hexachlorobiphenyl (PCB 151)	[52663-63-5]	6,92 ± 0,64	µg/kg
dry-mass basis	2,2',4,4',5,5'-Hexachlorobiphenyl (PCB 153)	[35065-27-1]	40,2 ± 1,8	µg/kg
dry-mass basis	2,2',3,3',4,6'-Hexachlorobiphenyl (PCB 132)	[38380-05-1]		
dry-mass basis	2,3,3',4,4',6-Hexachlorobiphenyl (PCB 158)	[74472-42-7]	4,50 ± 0,43	µg/kg
dry-mass basis	2,3,3',4',5,6-Hexachlorobiphenyl (PCB 163)	[74472-44-9]	7,2 ± 1,2	µg/kg
dry-mass basis	2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB 170)	[35065-30-6]	8,8 ± 1,0	µg/kg
dry-mass basis	2,2',3,3',4,5,6'-Heptachlorobiphenyl (PCB 174)	[38411-25-5]	8,83 ± 0,47	µg/kg
dry-mass basis	2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB 180)	[35065-29-3]	18,4 ± 3,2	µg/kg
dry-mass basis	2,2',3,4,4',5',6-Heptachlorobiphenyl (PCB 183)	[52663-69-1]	5,27 ± 0,39	µg/kg
dry-mass basis	2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB 187)	[52663-68-0]	11,3 ± 1,4	µg/kg
dry-mass basis	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (PCB 206)	[40186-72-9]	3,81 ± 0,13	µg/kg
dry-mass basis	4,4'-DDE	[72-55-9]	261 ± 2 µg/kg	µg/kg
dry-mass basis	4,4'-DDD	[72-54-8]	27.3 ± 0.8 µg/kg	µg/kg
dry-mass basis	2,4'-DDT	[789-02-6]	44.5 ± 3.9 µg/kg	µg/kg

dry-mass basis	4,4'-DDT	[50-29-3]	111 ± 23 µg/kg	µg/kg
dry-mass basis	2,2',4'-Tribromodiphenyl ether (PBDE 17)	[147217-75-2]	11,5 ± 1,2	µg/kg
dry-mass basis	2,4,4'-Tribromodiphenyl ether (PBDE 28)	[41318-75-6]	46,9 ± 4,4	µg/kg
dry-mass basis	2',3,4'-Tribromodiphenyl ether (PBDE 33)	[147217-78-5]		
dry-mass basis	2,2',4,4'-Tetrabromodiphenyl ether (PBDE 47)	[5436-43-1]	497 ± 46	µg/kg
dry-mass basis	2,2',4,5'-Tetrabromodiphenyl ether (PBDE 49)	[243982-82-3]	53,5 ± 4,2	µg/kg
dry-mass basis	2,2',3,4,4'-Pentabromodiphenyl ether (PBDE 85)	[182346-21-0]	43,8 ± 1,6	µg/kg
dry-mass basis	2,2',4,4',5'-Pentabromodiphenyl ether (PBDE 99)	[60348-60-9]	892 ± 53	µg/kg
dry-mass basis	2,2',4,4',6'-Pentabromodiphenyl ether (PBDE 100)	[189084-64-8]	145 ± 11	µg/kg
dry-mass basis	2,2',3,4,4',5'-Hexabromodiphenylether (PBDE 138)	[182677-30-1]	15,2 ± 2,0	µg/kg
dry-mass basis	2,2',4,4',5,5'-Hexabromodiphenyl ether (PBDE 153)	[68631-49-2]	119 ± 1	µg/kg
dry-mass basis	2,2',4,4',5,6'-Hexabromodiphenyl ether (PBDE 154)	[207122-15-4]	83,5 ± 2,0	µg/kg
dry-mass basis	2,2',4,4',6,6'-Hexabromodiphenyl ether (PBDE 155)	[35854-94-5]	3,94 ± 0,34	µg/kg
dry-mass basis	2,2',3,4,4',5',6'-Heptabromodiphenyl ether (PBDE 183)	[207122-16-5]	43,0 ± 3,5	µg/kg
dry-mass basis	2,2',3,4,4',5,6',6'-Octabromodiphenyl ether (PBDE 203)	[337513-72-1]	36,7 ± 6,4	µg/kg
dry-mass basis	2,2',3,3',4,4',5,5',6'-Nonabromodiphenyl ether	[63936-56-1]	271 ± 42	µg/kg

	(PBDE 206)			
dry-mass basis	Decabromodiphenyl ether [1163-19-5]	2510 ± 190	µg/kg	
	(PBDE 209)			