



FAPAS QC MATERIAL DATA SHEET	T06128QC
Matrix	Pork
Weight / Volume of Contents	70 g

Analyte	Assigned Value, X_a	Range for $ z \leq 2$	Units	No. of data points producing X_a
PCB 28	0.806	0.451 - 1.161	µg/kg	10
PCB 52	2.10	1.18 - 3.02	µg/kg	11
PCB 101	3.70	2.07 - 5.33	µg/kg	12
PCB 138	1.06	0.59 - 1.53	µg/kg	10
PCB 153	1.49	0.83 - 2.15	µg/kg	11
PCB 180	2.15	1.20 - 3.10	µg/kg	11
Sum of six indicator PCBs lower bound	11.1	6.2 - 15.9	µg/kg	10
Sum of six indicator PCBs upper bound	11.2	6.3 - 16.1	µg/kg	12
PCB 105	587	329 - 845	ng/kg	13
PCB 114	1303	730 - 1876	ng/kg	13
PCB 118	829	464 - 1194	ng/kg	13
PCB 123	1815	1016 - 2614	ng/kg	13
PCB 156	1214	680 - 1748	ng/kg	13
PCB 157	412	231 - 593	ng/kg	13
PCB 167	717	402 - 1032	ng/kg	13
PCB 189	895	501 - 1289	ng/kg	13
PCB 77	4.44	2.49 - 6.39	ng/kg	13
PCB 81	5.52	3.09 - 7.95	ng/kg	13
PCB 126	1.49	0.83 - 2.15	ng/kg	13
PCB 169	9.15	5.12 - 13.18	ng/kg	13
WHO-PCB-TEQ lower bound	0.640	0.358 - 0.922	ng/kg	13
WHO-PCB-TEQ upper bound	0.650	0.364 - 0.935	ng/kg	14
2,3,7,8-TCDD	0.147	0.082 - 0.212	ng/kg	12
1,2,3,4,7,8-HxCDD	0.213	0.119 - 0.307	ng/kg	13
1,2,3,6,7,8-HxCDD	0.290	0.162 - 0.418	ng/kg	13
1,2,3,7,8,9-HxCDD	0.0940	0.0526 - 0.1354	ng/kg	11
OCDD	1.60	0.90 - 2.30	ng/kg	13
2,3,7,8-TCDF	1.92	1.08 - 2.76	ng/kg	13
1,2,3,7,8-PeCDF	0.420	0.235 - 0.605	ng/kg	13

2,3,4,7,8-PeCDF	0.707	0.396 - 1.018	ng/kg	13
1,2,3,4,7,8-HxCDF	0.210	0.118 - 0.302	ng/kg	13
1,2,3,6,7,8-HxCDF	0.262	0.147 - 0.377	ng/kg	13
1,2,3,7,8,9-HxCDF	0.516	0.289 - 0.743	ng/kg	13
2,3,4,6,7,8-HxCDF	0.181	0.101 - 0.261	ng/kg	13
1,2,3,4,6,7,8-HpCDF	0.445	0.249 - 0.641	ng/kg	13
1,2,3,4,7,8,9-HpCDF	0.224	0.125 - 0.323	ng/kg	13
OCDF	1.41	0.79 - 2.03	ng/kg	13
WHO-PCDD/F-TEQ lower bound	0.821	0.460 - 1.182	ng/kg	12
WHO-PCDD/F-TEQ upper bound	0.828	0.464 - 1.192	ng/kg	13
WHO-PCDD/F-PCB-TEQ lower bound	1.46	0.82 - 2.10	ng/kg	12
WHO-PCDD/F-PCB-TEQ upper bound	1.50	0.84 - 2.16	ng/kg	13

This data sheet is applicable until	27 Jul 2030
Recommended Storage on receipt	-20°C
Notes	
<ul style="list-style-type: none"> • Mix the QC material thoroughly before taking a representative analytical sample • The assigned value has been derived from the consensus of laboratories taking part in this proficiency test, using a variety of methods. This is not a certified reference value. • The Range for $z \leq 2$ is the concentration range within the limits of ± 2 z-scores. The assigned value and its range have been established from the proficiency test data and are suitable for use by laboratories as a fit-for-purpose quality control measure. • Stability of the QC material has been established as sufficient for the scope of the proficiency test from previous experience, expert advice and published literature. FAPAS advises that the QC material is analysed within the recommended date. FAPAS QC materials are intended to be used as single-analysis samples. • Full details on the proficiency test procedure used to characterise this QC material are available in the Protocol, Part 1 - Common Principles, freely available to download from the FAPAS website. • You may use any method of analysis you wish. All QC values are on a fat weight basis. 	