



Fapas® QC MATERIAL DATA SHEET	T06149QC
Matrix	Fish
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	3.37	1.89 - 4.85	µg/kg	22
PCB 52	6.03	3.38 - 8.68	µg/kg	22
PCB 101	5.63	3.16 - 8.11	µg/kg	23
PCB 138	4.85	2.72 - 6.98	µg/kg	22
PCB 153	5.44	3.05 - 7.84	µg/kg	22
PCB 180	5.58	3.12 - 8.03	µg/kg	23
Sum of six indicator PCBs lower Bound	30.9	17.3 - 44.5	µg/kg	21
Sum of six indicator PCBs upper Bound	30.9	17.3 - 44.5	µg/kg	21
PCB 105	1290	723 – 1860	ng/kg	23
PCB 114	155	87 – 223	ng/kg	23
PCB 118	4010	2250 – 5780	ng/kg	24
PCB 123	226	126 – 325	ng/kg	23
PCB 156	1070	599 – 1540	ng/kg	22
PCB 157	129	72 – 186	ng/kg	23
PCB 167	418	234 – 602	ng/kg	22
PCB 189	647	362 – 932	ng/kg	22
PCB 77	114	64 – 164	ng/kg	23
PCB 81	28.9	16.2 - 41.6	ng/kg	23
PCB 126	20.5	11.5 - 29.6	ng/kg	21
PCB 169	24.4	13.7 - 35.1	ng/kg	22
WHO-PCB-TEQ lower bound	3.04	1.70 - 4.38	ng/kg	21
WHO-PCB-TEQ upper bound	3.04	1.70 - 4.38	ng/kg	21
2,3,7,8-TCDD	1.08	0.61 - 1.56	ng/kg	24
1,2,3,7,8-PeCDD	0.547	0.307 - 0.788	ng/kg	24
1,2,3,4,7,8-HxCDD	0.730	0.409 - 1.050	ng/kg	24
1,2,3,6,7,8-HxCDD	1.84	1.03 - 2.65	ng/kg	24
1,2,3,7,8,9-HxCDD	0.521	0.292 - 0.750	ng/kg	24
1,2,3,4,6,7,8-HpCDD	0.764	0.428 - 1.100	ng/kg	24
OCDD	2.81	1.58 - 4.05	ng/kg	24
2,3,7,8-TCDF	16.0	9.0 - 23.1	ng/kg	24



1,2,3,7,8-PeCDF	3.11	1.74 - 4.48	ng/kg	24
2,3,4,7,8-PeCDF	5.26	2.95 - 7.58	ng/kg	24
1,2,3,4,7,8-HxCDF	1.31	0.74 - 1.89	ng/kg	24
1,2,3,6,7,8-HxCDF	1.76	0.99 - 2.54	ng/kg	24
1,2,3,7,8,9-HxCDF	0.592	0.332 - 0.853	ng/kg	24
2,3,4,6,7,8-HxCDF	1.06	0.59 - 1.53	ng/kg	24
1,2,3,4,6,7,8-HpCDF	2.18	1.22 - 3.13	ng/kg	24
1,2,3,4,7,8,9-HpCDF	0.912	0.511 - 1.314	ng/kg	24
OCDF	9.16	5.13 - 13.19	ng/kg	24
WHO-PCDD/F-TEQ lower bound	5.74	3.22 - 8.27	ng/kg	23
WHO-PCDD/F-TEQ upper bound	5.74	3.22 - 8.27	ng/kg	23
WHO-PCDD/F-PCB-TEQ lower Bound	8.71	4.88 - 12.54	ng/kg	22
WHO-PCDD/F-PCB-TEQ upper Bound	8.71	4.88 - 12.54	ng/kg	22

This data sheet is applicable until	01 Dec 2028
Recommended Storage on receipt	Ambient

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 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.