SUPPLEMENTARY INFORMATIONS

Table S1. The table shows the validation parameters calculated for the analyzed PCB and PAH compounds: LOD, LOQ, linearity range, and recovery.

PCB	Linea Range ug/L	R2	LOD	LOQ
epta_pcb183	0,001-50	0.9982	0.0012	0.0036
epta_pcb177	0,001-50	0.9993	0.0014	0.0042
epta_pcb187	0,001-50	0.9975	0.0015	0.0045
epta_pcb189	0,001-50	0.9987	0.0011	0.0033
epta_pcb180	0,001-50	0.9983	0.0012	0.0036
epta_pcb170	0,001-50	0.9948	0.0013	0.0039
epta_pcb183	0,001-50	0.9987	0.0012	0.0036
epta_pcb187	0,001-50	0.9989	0.001	0.003
epta_pcb177	0,001-50	0.9987	0.0014	0.0042
epta_pcb170	0,001-50	0.9998	0.0014	0.0042
epta_pcb189	0,001-50	0.9958	0.0013	0.0039
epta_pcb180	0,001-50	0.9964	0.0015	0.0045
esa_pcb167	0,001-50	0.9997	0.0012	0.0036
esa_pcb157	0,001-50	0.9988	0.001	0.003
esa_pcb138	0,001-50	0.9994	0.0012	0.0036
esa_pcb169	0,001-50	0.9984	0.0013	0.0039
esa_pcb156	0,001-50	0.9985	0.0011	0.0033
esa_pcb149	0,001-50	0.9987	0.0013	0.0039
esa_pcb146	0,001-50	0.9968	0.0014	0.0042
esa_pcb128	0,001-50	0.9982	0.0012	0.0036
esa_pcb153	0,001-50	0.9983	0.001	0.003
esa_pcb151	0,001-50	0.9974	0.0012	0.0036
esa_pcb138	0,001-50	0.9968	0.0013	0.0039
esa_pcb167	0,001-50	0.9983	0.0014	0.0042
esa_pcb153	0,001-50	0.9982	0.0015	0.0045

esa_pcb151	0,001-50	0.9979	0.0011	0.0033
esa_pcb128	0,001-50	0.9991	0.0014	0.0042
esa_pcb156	0,001-50	0.9993	0.0012	0.0036
esa_pcb149	0,001-50	0.9986	0.0013	0.0039
esa_pcb146	0,001-50	0.9974	0.001	0.003
esa_pcb157	0,001-50	0.9981	0.0012	0.0036
esa_pcb169	0,001-50	0.9989	0.0014	0.0042
penta_pcb101	0,001-50	0.9998	0.0012	0.0036
penta_pcb95	0,001-50	0.9978	0.0013	0.0039
penta_pcb126	0,001-50	0.9994	0.0012	0.0036
penta_pcb123	0,001-50	0.9996	0.0012	0.0036
penta_pcb105	0,001-50	0.9996	0.0014	0.0042
penta_pcb118	0,001-50	0.9989	0.0015	0.0045
penta_pcb110	0,001-50	0.9996	0.001	0.003
penta_pcb99	0,001-50	0.9987	0.0011	0.0033
penta_pcb114	0,001-50	0.9989	0.0011	0.0033
penta_pcb110	0,001-50	0.9986	0.0012	0.0036
penta_pcb105	0,001-50	0.9978	0.0014	0.0042
penta_pcb99	0,001-50	0.9985	0.0013	0.0039
penta_pcb126	0,001-50	0.9979	0.0011	0.0033
penta_pcb114	0,001-50	0.9965	0.0012	0.0036
penta_pcb101	0,001-50	0.9972	0.0012	0.0036
penta_pcb123	0,001-50	0.9968	0.0014	0.0042
penta_pcb118	0,001-50	0.9982	0.0011	0.0033
penta_pcb95	0,001-50	0.9991	0.0013	0.0039
tetra_pcb81	0,001-50	0.9964	0.0012	0.0036
tetra_pcb77	0,001-50	0.9967	0.0014	0.0042
tetra_pcb52	0,001-50	0.9977	0.0012	0.0036
tetra_pcb44	0,001-50	0.9968	0.001	0.003

tetra_pcb81	0,001-50	0.9994	0.0013	0.0039
tetra_pcb52	0,001-50	0.9985	0.0012	0.0036
tetra_pcb77	0,001-50	0.9986	0.0013	0.0039
tetra_pcb44	0,001-50	0.9996	0.0014	0.0042
tri_pcb31	0,001-50	0.999	0.0012	0.0036
tri_pcb28	0,001-50	0.999	0.0014	0.0042
tri_pcb18	0,001-50	0.9992	0.0013	0.0039
tri_pcb31	0,001-50	0.9998	0.0012	0.0036
tri_pcb18	0,001-50	0.9987	0.0011	0.0033
tri_pcb28	0,001-50	0.9988	0.0014	0.0042
PAH	**Linea Range ug/L**	**R2**	**LOD**	**LOQ**
naphthalene	0,001-50	0.9907	0.00124	0.00372
acenaphthylene	0,001-50	0.9918	0.0012	0.00366
acenaphthene	0,001-50	0.99	0.00121	0.00363
fluorene	0,001-50	0.9912	0.00123	0.00369
anthracene	0,001-50	0.9908	0.00125	0.00375
phenanthrene	0,001-50	0.9975	0.00127	0.00381
pyrene	0,001-50	0.9912	0.00114	0.00342
fluoranthene	0,001-50	0.9914	0.00163	0.00489
benzo_a_anthracene	0,001-50	0.9912	0.00187	0.00561
crisene	0,001-50	0.9923	0.00121	0.00363
benzo_a_ pyrene	0,001-50	0.9957	0.00118	0.00354
perylene	0,001-50	0.9963	0.00126	0.00378
benzo_e_ pyrene	0,001-50	0.9922	0.00124	0.00372
benzo_k_fluoranthene	0,001-50	0.9913	0.00118	0.00354
benzo_b,j_fluoranthene	0,001-50	0.9919	0.00121	0.00363
dibenzo_a,e_pyrene	0,001-50	0.9909	0.00127	0.00381
dibenzo_ah_pyrene	0,001-50	0.991	0.00124	0.00372
benzo_ghi_perylene	0,001-50	0.9912	0.00122	0.00366
indeno 1,2,3 cd pyrene	0,001-50	0.9893	0.00116	0.00348
dibenzo_a,i_pyrene	0,001-50	0.9907	0.00118	0.00354
dibenzo_a,l_pyrene	0,001-50	0.9908	0.00123	0.00369
dibenzo_ah_anthracene	0,001-50	0.9957	0.00124	0.00372

Table S2. The table shows the analyzed PCDDs and PCDFs compounds.

rt	**analite**	**precursor**	**product**	**Dwell**	**collision energy**
30	TCDD	321,9	258,9	75	24
	TCDD	319,9	256,9	75	24

	TCDF	305,9	242,9	75	33
	TCDF	303,9	240,9	75	33
47	PCDD	355,9	292,9	75	25
	PCDD	353,9	290,9	75	25
	PCDF	339,9	276,9	75	35
	PCDF	337,9	274,9	75	35
53	HxCDD	391,8	328,8	75	25
	HxCDD	389,8	326,9	75	25
	HxCDF	375,8	312,9	75	35
	HxCDF	373,8	310,9	75	35
56,5	HpCDD	425,8	362,8	75	25
	HpCDD	423,8	360,8	75	25
	HpCDF	409,8	346,8	75	36
	HpCDF	407,8	344,8	75	36
59,5	OCDD	459,7	396,8	75	26
	OCDD	457,7	394,8	75	26
	OCDF	443,7	380,8	75	35
	OCDF	441,7	378,8	75	35

Table S3. The table shows the validation parameters calculated for the analyzed Dioxin compounds: LOD, LOQ, linearity range, and recovery.

Dioxin	Linea Range ug/L	R2	LOD	LOQ
Dioxin TCDD	0,001-50	0.9912	0.001	0.003

Table S4. The table shows the analyzed PFASs compounds.

Compound Name	Precursor Ion m/z	Product Ion m/z	declustering potential	Collision Energy eV	Polarity
PFBA	212.9	169	-25	-12	negative
PFPeA	262.9	219	-20	-12	negative
PFHxA	313	269	-25	-12	negative
PFHpA	363	319	-25	-12	negative
PFOA	413	369	-25	-14	negative
PFNA	463	419	-25	-14	negative
PFDA	513	469	-25	-16	negative
PFUdA	563	519	-25	-18	negative
PFDoA	613	569	-25	-18	negative
PFTrDA	663	619	-25	-20	negative
PFTeDA	713	669	-25	-22	negative
PFHxDA	813	769	-25	-24	negative
PFODA	913	869	-25	-26	negative
PFBS	298.9	80	-55	-58	negative
PFHxS	399	80	-60	-74	negative
PFHpS	449	80	-65	-88	negative
PFOS	499	80	-65	-108	negative
PFDS	599	80	-85	-118	negative
PFOSA	498	78	-60	-85	negative
MeFOSA	512	169	-75	-37	negative
EtFOSA	526	169	-75	-37	negative
N-MeFOSAA	570	419	-40	-36	negative
N-EtFOSAA	584	419	-50	-36	negative
13C4_PFBA	217	172	-25	-12	negative
13C5_PFPeA	268	223	-20	-12	negative
13C2_PFHxA	315	270	-25	-12	negative
13C4_PFHpA	367	322	-25	-12	negative
13C4_PFOA	417	372	-25	-14	negative
13C5_PFNA	468	423	-25	-14	negative
13C2_PFDA	515	470	-25	-16	negative
13C2_PFUdA	565	520	-25	-18	negative
13C2_PFDoA	615	570	-25	-18	negative
13C4_PFOS	503	80	-65	-108	negative
d3MeFOSA	515	169	-75	-37	negative

Analytical Parameters.

The analyses were conducted in triplicate, and the validation parameters are presented in Table S4.
The table reports linearity range, Limit of detection and limit of quantification for each analyte, based on the calibration curve construction.

Table S5. Linearity, LOD and LOQ for PFASs.

	linearity range ug/L	LOD	LOQ
13C4_PFBA	0.1-250	0.01	0.03
13C5_PFPeA	0.1-250	0.01	0.03
13C2_PFHxA	0.1-250	0.01	0.03
13C4_PFHpA	0.1-250	0.01	0.03
13C4_PFOA	0.1-250	0.01	0.03
13C5_PFNA	0.1-250	0.01	0.03
13C2_PFDA	0.1-250	0.01	0.03
13C2_PFUdA	0.1-250	0.01	0.03
13C2_PFDoA	0.1-250	0.01	0.03
13C4_PFOS	0.1-250	0.01	0.03
d3MeFOSA	0.1-250	0.01	0.03

PAHs chromatographic conditions

Inlet conditions:

Heater	180°C
Pressure	18.634 psi
Septum purge flow	3 ml/min
Septum purge flow mode	standard
Mode	splitless
Purge flow to split vent	40 ml/min at 2 min

	Rate (°C/min)	Temperature (°C)	Hold time (min)	Run time (min)
Initial		180	0,005	0.005
Ramp 1	600	300	0	62,905

Oven conditions:

	Rate (°C/min)	Temperature (°C)	Hold time (min)	Run time (min)
Initial		120	1	1
Ramp 1	15	210	0	7
Ramp 2	22	340	50	62.909

Oven temperature	120°C
Equilibration time	0 min
Maximum oven temperature	350°C
Post run	130°C

PAHs analyzed are listed in Tab.1

rt	analite	precursor	product	Dwell	collision energy
7	naftalene	128	127	25	20
	naftalene	128	102	25	22
9,5	fluorene	166	165	15	30
	acenaftene	154	152	25	40
	acenaftene	153	152	25	40
	acenaftilene	152	151	25	40
	acenaftilene	152	150	25	40
12,5	antracene	178	176	15	34
	phenantrene	178	176	15	34
14	fluorantene	202	201	15	30
	pyrene	202	201	15	30
	fluorantene	202	200	15	50
	pyrene	202	200	15	45
15,5	perylene	252	250	75	42
	benzo_a_pirene	252	250	75	42
	benzo_b,j_fluorantene	252	250	75	42
	benzo_e_pirene	252	250	75	42
	benzo_k_fluorantene	252	250	75	42
	benzo_b,j_fluorantene	250	248	75	40
	perylene	250	248	75	40
	benzo_a_pirene	250	248	75	40
	benzo_k_fluorantene	250	248	75	40
	benzo_e_pirene	250	248	75	40
	benzo_a_antracene	228	226	40	38
	crisene	228	226	40	38
21	dibenzo_ah_antracene	278	276	75	38
	indeno 1,2,3 cd pirene	276	274	75	42
	benzo_ghi_perylene	276	274	75	38
26	dibenzo_a,e_pyrene	302	300	75	50
	dibenzo_a,l_pyrene	302	300	75	50
	dibenzo_ah_pyrene	302	300	75	50

	dibenzo_a,i_pyrene	302	300	75	50

Tab 1 PAHs analyzed

Dioxins chromatographic conditions

Inlet conditions:

Heater	130°C
Pressure	19.344 psi
Septum purge flow	3 ml/min
Septum purge flow mode	standard
Mode	splitless
Purge flow to split vent	40 ml/min at 2 min

	Rate (°C/min)	Temperature (°C)	Hold time (min)	Run time (min)
Initial		130	0,005	0.005
Ramp 1	600	300	0	65

Oven conditions:

	Rate (°C/min)	Temperature (°C)	Hold time (min)	Run time (min)
Initial		130	2	2
Ramp 1	10	200	16	25
Ramp 2	5	235	7	39
Ramp 3	5	340	5	65

Oven temperature	130°C
Equilibration time	0 min
Maximum oven temperature	350°C
Post run	130°C

PCBs chromatographic conditions

Inlet conditions:

Heater	106°C
Pressure	21.053 psi
Septum purge flow	3 ml/min
Septum purge flow mode	Standard
Mode	Splitless
Purge flow to split vent	40 ml/min at 2 min

	Rate (°C/min)	Temperature (°C)	Hold time (min)	Run time (min)
Initial		106	0,005	0.005
Ramp 1	600	325	0	57

Oven conditions:

	Rate (°C/min)	Temperature (°C)	Hold time (min)	Run time (min)
Initial		80	3	3
Ramp 1	20	160	0	7
Ramp 2	4	300	15	57

Oven temperature	80°C
Equilibration time	0 min
Maximum oven temperature	350°C
Post run	130°C

The PCBs detected are listed in Tab.3

rt	**analite**	**precursor**	**product**	**Dwell**	**collision energy**
16	epta_pcb183	393,9	323,9	20	35
	epta_pcb177	393,9	323,9	20	35

	epta_pcb187	393,9	323,9	20	35
	epta_pcb189	393,9	323,9	20	35
	epta_pcb180	393,9	323,9	20	35
	epta_pcb170	393,9	323,9	20	35
	epta_pcb183	391,9	321,9	20	35
	epta_pcb187	391,9	321,9	20	35
	epta_pcb177	391,9	321,9	20	35
	epta_pcb170	391,9	321,9	20	35
	epta_pcb189	391,9	321,9	20	35
	epta_pcb180	391,9	321,9	20	35
	esa_pcb167	359,9	289,9	20	28
	esa_pcb157	359,9	289,9	20	28
	esa_pcb138	359,9	289,9	20	28
	esa_pcb169	359,9	289,9	20	28
	esa_pcb156	359,9	289,9	20	28
	esa_pcb149	359,9	289,9	20	28
	esa_pcb146	359,9	289,9	20	28
	esa_pcb128	359,9	289,9	20	28
	esa_pcb153	359,9	289,9	20	28
	esa_pcb151	359,9	289,9	20	28
	esa_pcb138	357,9	287,9	20	28
	esa_pcb167	357,9	287,9	20	28
	esa_pcb153	357,9	287,9	20	28
	esa_pcb151	357,9	287,9	20	28
	esa_pcb128	357,9	287,9	20	28
	esa_pcb156	357,9	287,9	20	28
	esa_pcb149	357,9	287,9	20	28
	esa_pcb146	357,9	287,9	20	28
	esa_pcb157	357,9	287,9	20	28
	esa_pcb169	357,9	287,9	20	28
	13C_TCDD	333,9	269,9	20	24
	13C_TCDD	331,9	267,9	20	24

	penta_pcb101	325,9	255,9	20	28
	penta_pcb95	325,9	255,9	20	28
	penta_pcb126	325,9	255,9	20	28
	penta_pcb123	325,9	255,9	20	28
	penta_pcb105	325,9	255,9	20	28
	penta_pcb118	325,9	255,9	20	28
	penta_pcb110	325,9	255,9	20	28
	penta_pcb99	325,9	255,9	20	28
	penta_pcb114	325,9	255,9	20	28
	penta_pcb110	323,9	253,9	20	28
	penta_pcb105	323,9	253,9	20	28
	penta_pcb99	323,9	253,9	20	28
	penta_pcb126	323,9	253,9	20	28
	penta_pcb114	323,9	253,9	20	28
	penta_pcb101	323,9	253,9	20	28
	penta_pcb123	323,9	253,9	20	28
	penta_pcb118	323,9	253,9	20	28
	penta_pcb95	323,9	253,9	20	28
	tetra_pcb81	291,9	221,9	20	28
	tetra_pcb77	291,9	221,9	20	28
	tetra_pcb52	291,9	221,9	20	24
	tetra_pcb44	291,9	221,9	20	24
	tetra_pcb81	289,9	219,9	20	28
	tetra_pcb52	289,9	219,9	20	24
	tetra_pcb77	289,9	219,9	20	24
	tetra_pcb44	289,9	219,9	20	24
	tri_pcb31	258	186	20	24
	tri_pcb28	258	186	20	24
	tri_pcb18	258	186	20	24
	tri_pcb31	256	186	20	24
	tri_pcb18	256	186	20	24
	tri_pcb28	256	186	20	24

Table S6. Summary statistics (mean ± SD, percentiles, min–max) for target PAH in wild boar tissues. Values in µg/kg

				Percentile				
	Matrix	Mean ± SD	Min - Max	25th	50th	75th	p value	DF (%)
Naftalene	Muscle	0.084 ± 0.049	0 - 0.13	0.075	0.11	0.12	< .001	76.923
	Liver	1.139 ± 0.625	0 - 2.03	0.99	1.35	1.47		81.081
Acenaftilene	Muscle			N.D.			< .001	0
	Liver	0.232 ± 0.125	0 - 0.5	0.21	0.26	0.29		83.784
Acenaftene	Muscle	0.055 ± 0.015	0.01 - 0.08	0.05	0.05	0.07	< .001	100
	Liver			N.D.				0
Fluorene	Muscle			N.D.			< .001	0
	Liver	0.327 ± 0.145	0 - 0.73	0.31	0.35	0.4		89.189
Antracene	Muscle	0.248 ± 0.079	0 - 0.33	0.24	0.27	0.29	< .001	92.308
	Liver	1.813 ± 0.914	0 - 5.32	1.59	1.8	2.11		89.189
Phenantrene	Muscle			N.D.				0
	Liver							
Pyrene	Muscle			N.D.			< .001	0
	Liver	3.826 ± 2.934	0 - 7.6	0	5.57	6.19		64.865
Fluorantene	Muscle	0.293 ± 0.145	0 - 0.59	0.215	0.25	0.435	< .001	94.872
	Liver	3.653 ± 1.369	0 - 7.44	3.36	3.8	4.25		94.595
Benzo_a_antracene	Muscle			N.D.				
	Liver							
Crisene	Muscle			N.D.				
	Liver							
Benzo_a_pyrene	Muscle			N.D.				
	Liver							
Perylene	Muscle			N.D.				
	Liver							
Benzo_e_pirene	Muscle			N.D.			< .001	0
	Liver	0.674 ± 0.393	0 - 1.16	0.67	0.85	0.9		78.378
Benzo_k_fluorantene	Muscle			N.D.			< .001	0
	Liver	0.047 ± 0.025	0 - 0.09	0.04	0.05	0.06		81.081
Benzo_b,j_fluorantene	Muscle			N.D.			< .001	0
	Liver	0.023 ± 0.014	0 - 0.04	0.01	0.03	0.03		78.378
Dibenzo_a,e_pyrene	Muscle			N.D.				
	Liver							
Dibenzo_ah_pyrene	Muscle			N.D.				
	Liver							
Benzo_ghi_perylene	Muscle			N.D.				
	Liver							
Indeno 1,2,3 cd pyrene	Muscle			N.D.				
	Liver							
Dibenzo_a,i_pyrene	Muscle			N.D.				
	Liver							

Dibenzo_a,l_pyrene	Muscle Liver	N.D.
Dibenzo_ah_antracene	Muscle Liver	N.D.

Table S7. Summary statistics (mean ± SD, percentiles, min–max) for target PAH in wild boar tissues. Values in µg/kg

				Percentile				
	Matrix	**Media**	**Min - Max**	**25th**	**Median**	**75th**	**pvalue**	**DF (%)**
Naftalene	Muscle	0.758 ± 0.457	0 - 2.15	0.665	0.76	0.865	< .001	89.474
	Liver	3.49 ± 3.085	0 - 18.43	2.59	3.28	4.18		83.784
Acenaftilene	Muscle	0.076 ± 0.346	0 - 2.14	0.01	0.01	0.01	< .001	84.211
	Liver	0.166 ± 0.101	0 - 0.49	0.15	0.16	0.193		86.486
Acenaftene	Muscle	0.006 ± 0.039	0 - 0.24	0	0	0	0.337	2.632
	Liver			N.D.				0.000
Fluorene	Muscle	0.124 ± 0.290	0 - 1.41	0.05	0.06	0.07	< .001	86.842
	Liver	0.279 ± 0.167	0 - 0.62	0.24	0.28	0.38		81.081
Antracene	Muscle	0.867 ± 0.531	0 - 2.25	0.36	1.105	1.178	< .001	84.211
	Liver	1.641 ± 0.972	0 - 3.39	0.65	2.01	2.19		83.784
Phenantrene	Muscle	0.01 ± 0.046	0 - 0.25	0	0	0	0.166	5.263
	Liver			N.D.				0.000
Pyrene	Muscle	1.075 ± 0.831	0 - 4.25	0.983	1.08	1.228	< .001	81.579
	Liver	9.294 ± 7.048	0 - 35.31	5.92	9.35	11.29		81.081
Fluorantene	Muscle	0.159 ± 0.321	0 - 1.36	0.063	0.08	0.08	< .001	76.316
	Liver	7.361 ± 5.406	0 - 22.32	4.8	7.39	8.81		81.081
Benzo_a_antracene	Muscle Liver			N.D.				
Crisene	Muscle Liver			N.D.				
Benzo_a_pirene	Muscle Liver			N.D.				
Perylene	Muscle Liver			N.D.				
Benzo_e_pirene	Muscle	0.009 ± 0.032	0 - 0.14	0	0	0	< .001	7.895
	Liver	0.866 ± 0.595	0 - 2.71	0.71	0.92	1.15		81.081
Benzo_k_fluorantene	Muscle Liver			N.D.				
Benzo_b.j_fluorantene	Muscle Liver			N.D.				
Dibenzo_a.e_pyrene	Muscle Liver			N.D.				
Dibenzo_ah_pyrene	Muscle Liver			N.D.				
Benzo_ghi_perylene	Muscle			N.D.				

	Liver	
Indeno 1,2,3 cd pirene	Muscle	N.D.
	Liver	
Dibenzo_a.i_pyrene	Muscle	N.D.
	Liver	
Dibenzo_a.l_pyrene	Muscle	N.D.
	Liver	
Dibenzo_ah_antracene	Muscle	N.D.
	Liver	

Table S8. Mean ± SD, median with percentile and ranges of target PCB in liver and muscle of wild boar. Values are reported in μg/kg.

				Percentile				
	Matrix	**Mean ± SD**	**Min - Max**	**25th**	**Median**	**75th**	**pvalue**	**DF%**
PCB 31	Liver	4.045 ± 3.008	0 - 7.867	0	5.533	6.203	< .001	66.667
	Muscle	11.689 ± 7.088	0 - 30.818	7.951	12.622	14.238		170.940
PCB 28	Liver	N.D.					< .001	
	Muscle	15.943 ± 11.619	0 - 45.614	8.406	17.722	19.615		76.923
PCB 18	Liver	0.037 ± 0.018	0 - 0.056	0.034	0.046	0.050	< .001	82.051
	Muscle	11.504 ± 6.673	0 - 27.826	9.926	12.63	14.478		82.051
PCB 81	Liver	N.D.					< .001	0
	Muscle	2.078 ± 1.222	0 - 6.156	1.606	2.062	2.417		87.179
PCB 77	Liver	0.235 ± 0.094	0 - 0.314	0.243	0.265	0.285	< .001	87.179
	Muscle	0.836 ± 0.483	0 - 2.291	0.637	0.809	0.963		92.308
PCB 99	Liver	N.D.					< .001	0
	Muscle	0.668 ± 0.382	0 - 1.576	0.505	0.643	0.787		89.744
PCB 95	Liver	N.D.					< .001	0
	Muscle	0.188 ± 0.081	0 - 0.499	0.165	0.179	0.189		97.436
PCB 126	Liver	0.205 ± 0.094	0 - 0.299	0.193	0.231	0.266	< .001	84.615
	Muscle	0.395 ± 0.247	0 - 1.169	0.309	0.383	0.466		89.744
PCB 52	Liver	N.D.					< .001	0
	Muscle	0.148 ± 0.068	0 - 0.366	0.131	0.144	0.168		92.3077
PCB 123	Liver	N.D.					< .001	0
	Muscle	0.154 ± 0.089	0 - 0.419	0.113	0.146	0.178		92.308
PCB 44	Liver	N.D.					< .001	0
	Muscle	0.376 ± 0.199	0 - 0.980	0.300	0.3576	0.406		97.436
PCB 167	Liver	N.D.					< .001	0
	Muscle	0.137 ± 0.075	0 - 0.361	0.113	0.137	0.151		97.436
PCB 157	Liver	0	0	0	0	0	< .001	0
	Muscle	0.442 ± 0.217	0 - 1.075	0.390	0.452	0.513		94.872
PCB 118	Liver	N.D.						
	Muscle							
PCB 114	Liver	N.D.						
	Muscle							
PCB 110	Liver	N.D.						

	Muscle							
PCB 156	Liver	N.D.					< .001	0
	Muscle	0.651 ± 0.222	0.224 - 1.426	0.575	0.635	0.685		100
PCB 153	Liver	N.D.					< .001	0
	Muscle	0.167 ± 0.099	0 - 0.502	0.134	0.163	0.190		89.744
PCB 105	Liver	N.D.						
	Muscle							
PCB 151	Liver	N.D.						
	Muscle							
PCB 101	Liver	N.D.						
	Muscle							
PCB 189	Liver	N.D.						
	Muscle							
PCB 187	Liver	N.D.					< .001	0
	Muscle	1.669 ± 1.117	0 - 4.024	1.034	1.756	2.110		82.051
PCB 149	Liver	N.D.						
	Muscle							
PCB 146	Liver	N.D.						
	Muscle							
PCB 183	Liver	N.D.						
	Muscle							
PCB 138	Liver	N.D.						
	Muscle							
PCB 128	Liver	N.D.						
	Muscle							
PCB 180	Liver	0.224 ± 0.252	0 - 0.669	0	0	0.438	0.316	46.154
	Muscle	0.312 ± 0.201	0 - 0.907	0.232	0.3	0.368		87.179
PCB 169	Liver	N.D.						
	Muscle							
PCB 177	Liver	N.D.						
	Muscle							
PCB 170	Liver	N.D.					< .001	0
	Muscle	1.973 ± 1.390	0 - 6.242	1.498	2.209	2.416		76.923

Table S9. Mean ± SD, median with percentile and ranges of target PCB in liver and muscle of swine. Values are reported in µg/kg.

				Percentile				
	Matrix	**Mean ± SD**	**Min - Max**	**25th**	**Median**	**75th**	**pvalue**	**DF%**
PCB 31	Muscle	2.696 ± 1.265	0 - 5.67	1.915	2.84	3.675	< .001	92.308
	Liver	0.52 ± 0.315	0 - 1.02	0.28	0.495	0.828		94.737
PCB 28	Muscle	5.896 ± 4.169	0 - 18.15	4.69	6.1	7.545	< .001	76.923
	Liver	N.D.						0
PCB 18	Muscle	3.971 ± 1.114	0 - 7.67	3.57	3.97	4.275	< .001	97.436
	Liver	0.048 ± 0.009	0 - 0.06	0.05	0.05	0.05		97.368

PCB 81	Muscle	1.529 ± 1.011	0 - 4.5	1.125	1.63	1.935	< .001	82.051
	Liver			N.D.				0
PCB 77	Muscle	0.7903 ± 0.349	0 - 1.43	0.71	0.8	0.98	< .001	89.744
	Liver	0.233 ± 0.106	0 - 0.32	0.225	0.28	0.29		84.211
PCB 99	Muscle	0.594 ± 0.351	0 - 1.64	0.45	0.63	0.8	< .001	84.615
	Liver			N.D.				0
PCB 95	Muscle	0.089 ± 0.052	0 - 0.28	0.07	0.09	0.11	< .001	89.744
	Liver			N.D.				0
PCB 126	Muscle	0.238 ± 0.172	0 - 0.9	0.14	0.23	0.31	0.943	84.615
	Liver	0.219 ± 0.068	0 - 0.28	0.2225	0.24	0.25		92.105
PCB 52	Muscle	0.104 ± 0.043	0 - 0.26	0.09	0.11	0.12	< .001	92.308
	Liver			N.D.				0
PCB 123	Muscle	0.102 ± 0.051	0.01 - 0.27	0.085	0.1	0.12	< .001	89.744
	Liver			N.D.				0
PCB 44	Muscle	0.331 ± 0.156	0 - 0.84	0.275	0.32	0.4	< .001	92.308
	Liver			N.D.				0
PCB 167	Muscle	0.089 ± 0.038	0 - 0.16	0.08	0.09	0.1	< .001	94.872
	Liver			N.D.				0
PCB 157	Muscle	0.033 ± 0.014	0 - 0.07	0.03	0.03	0.04	< .001	92.308
	Liver			N.D.				0
PCB 118	Muscle							
	Liver			N.D.				
PCB 114	Muscle							
	Liver			N.D.				
PCB 110	Muscle							
	Liver			N.D.				
PCB 156	Muscle	0.531 ± 0.307	0 - 1.49	0.41	0.52	0.61	< .001	97.436
	Liver			N.D.				0
PCB 153	Muscle							
	Liver			N.D.				
PCB 105	Muscle							
	Liver			N.D.				
PCB 151	Muscle							
	Liver			N.D.				
PCB 101	Muscle							
	Liver			N.D.				
PCB 189	Muscle							
	Liver			N.D.				
PCB 187	Muscle	1.128 ± 0.430	0 - 2.23	0.95	1.17	1.32	< .001	97.436
	Liver	0.329 ± 0.459	0 - 1.33	0	0	0.87		36.842
PCB 149	Muscle							
	Liver			N.D.				
PCB 146	Muscle							
	Liver			N.D.				
PCB 183	Muscle							
	Liver			N.D.				
PCB 138	Muscle			N.D.				

	Liver							
PCB 128	Muscle	N.D.						
	Liver							
PCB 180	Muscle	0.199 ± 0.077	0.02 - 0.42	0.16	0.19	0.215	0.232	100
	Liver	0.130 ± 0.108	0 - 0.26	0	0.2	0.21		60.526
PCB 169	Muscle	N.D.						
	Liver							
PCB 177	Muscle	N.D.						
	Liver							
PCB 170	Muscle	1.697 ± 1.151	0 - 4.42	1.21	1.83	2.175	< .001	79.487
	Liver	0.2295 ± 0.598	0 - 1.9	0	0	0		13.158

Table S10. Mean ± SD, median with percentile and ranges of target PFAS in liver and muscle of wild boar. Values are reported in µg/kg.

				Percentile				
	Matrix	**Mean ± SD**	**Min - Max**	**25th**	**Median**	**75th**	**pvalue**	**DF (%)**
PFBA	liver	136.247 ± 189.297	0.01 - 680.282	7.000	61.226	185.1313	0.032	100
	muscle	23.608 ± 49.374	0.01 - 179.662	1.976	5.351	12.297		100
PFPeA	liver	< LOQ						100
	muscle							100
PFHxA	liver	3.191 ± 3.308	0.088 - 9.377	0.503	1.372	6.240	0.493	100
	muscle	2.607 ± 3.812	0.024 - 12.301	0.234	0.826	4.186		100
PFHpA	liver	56.783 ± 99.729	6.9113 - 397.112	17.970	30.509	48.939	< .001	100
	muscle	10.130 ± 4.775	3.054 - 20.362	6.730	9.999	12.712		100
PFOA	liver	424.370 ± 438.077	31.335 - 1504.985	99.445	292.4903	545.4161	< .001	100
	muscle	42.650 ± 44.605	10.323 - 180.455	18.757	26.799	37.835		100
PFNA	liver	208.616 ± 166.745	26.989 - 593.141	71.521	189.262	301.8965	< .001	100
	muscle	6.909 ± 4.753	1.414 - 19.4518	4.690	6.098	7.289		100
PFDA	liver	157.963 ± 177.841	26.072 - 603.357	35.768	86.622	201.336	< .001	100
	muscle	4.277 ± 3.57	0.518 - 15.288	2.359	3.518	5.094		100
PFUdA	liver	96.083 ± 136.718	9.103 - 437.891	17.819	30.186	108.88	< .001	100
	muscle	2.9552 ± 2.3916	0.378 - 8.330	1.057	1.797	4.350		100
PFDoA	liver	84.858 ± 149.844	2.774 - 498.632	9.163	12.938	85.087	< .001	100
	muscle	1.961 ± 1.731	0.284 - 5.921	0.844	1.166	2.743		100
PFTrDA	liver	154.306 ± 292.098	1.715 - 926.597	4.991	20.271	132.8584	< .001	100
	muscle	2.056 ± 2.626	0.290 - 10.611	0.573	0.985	2.134		100
PFTeDA	liver	34.794 ± 69.701	0.187 - 225.411	0.642	3.181	28.455	< .001	100
	muscle	0.484 ± 0.686	0.055 - 2.784	0.104	0.228	0.509		100
PFHxDA	liver	4.433 ± 9.954	0.010 - 34.644	0.033	0.049	2.478	0.002	100
	muscle	0.041 ± 0.074	0.003 - 0.318	0.01	0.02	0.026		100
PFODA	liver	< LOQ						100
	muscle							100
PFBS	liver	0.440 ± 0.551	0.017 - 1.505	0.039	0.142	0.883	0.625	100
	muscle	0.284 ± 0.464	0.01 - 1.772	0.061	0.090	0.176		100

PFHxS	liver	208.090 ± 110.686	52.491 - 485.835	123.773	207.958	259.3407	< .001	100
	muscle	42.062 ± 29.379	8.476 - 120.058	17.640	36.433	56.497		100
PFHpS	liver	15.221 ± 16.663	2.319 - 56.727	5.288	9.091	12.187	0.769	100
	muscle	12.309 ± 11.609	1.796 - 44.284	3.937	9.597	15.365		100
PFOS	liver	< LOQ						100
	muscle							100
PFDS	liver	< LOQ						100
	muscle							100
PFOSA	liver	< LOQ						100
	muscle							100
MeFOSA	liver	< LOQ						100
	muscle							100
EtFOSA	liver	2.109 ± 2.278	0.012 - 5.678	0.154	0.809	4.527	0.077	100
	muscle	0.406 ± 0.577	0.014 - 2.214	0.110	0.144	0.307		100
N-MeFOSAA	liver	< LOQ						100
	muscle							100
N-EtFOSAA	liver	< LOQ						100
	muscle							100

Table S11. Mean ± SD, median with percentile and ranges of target PFAS in liver and muscle of swine. Values are reported in μg/kg.

				Percentile				
	Matrix	**Media**	**Minimo**	**25th**	**Median**	**75th**	**pvalue**	**DF (%)**
PFBA	liver	115.214 ± 86.849	4.256 - 322.080	72.370	103.246	138.467	< .001	100
	muscle	11.314 ± 10.448	0.01 - 27.924	1.778	7.482	23.065		100
PFPeA	liver	< LOQ						100
	muscle							100
PFHxA	liver	6.518 ± 16.320	0.138 - 63.430	0.543	1.302	2.492	0.244	100
	muscle	2.963 ± 4.234	0.084 - 11.516	0.291	0.563	5.847		100
PFHpA	liver	5.891 ± 7.989	1.438 - 33.477	2.592	3.488	4.926	0.108	100
	muscle	3.921 ± 3.948	0.462 - 11.698	1.064	1.982	6.979		100
PFOA	liver	78.211 ± 94.251	2.086 - 335.428	16.317	37.301	104.700	0.108	100
	muscle	24.427 ± 19.836	3.314 - 81.040	9.314	20.910	35.396		100
PFNA	liver	18.655 ± 41.295	2.618 - 166.665	5.846	6.910	9.033	< .001	100
	muscle	3.406 ± 1.815	0.838 - 6.262	1.976	3.474	5.187		100
PFDA	liver	3.331 ± 2.41	0.832 - 8.414	1.468	2.305	4.266	0.004	100
	muscle	1.489 ± 1.416	0.349 - 4.831	0.481	0.792	2.577		100
PFUdA	liver	2.629 ± 5.331	0.206 - 20.933	0.347	0.534	1.509	0.03	100
	muscle	0.642 ± 0.698	0.093 - 2.163	0.171	0.265	1.008		100
PFDoA	liver	1.291 ± 2.085	0.017 - 6.927	0.126	0.240	0.908	0.63	100
	muscle	0.426 ± 0.453	0.059 - 1.551	0.122	0.235	0.512		100
PFTrDA	liver	0.993 ± 1.849	0.044 - 6.166	0.110	0.135	0.290	0.361	100
	muscle	0.189 ± 0.174	0.006 - 0.671	0.083	0.108	0.288		100
PFTeDA	liver	0.483 ± 1.170	0.008 - 4.406	0.037	0.068	0.092	0.682	100
	muscle	0.087 ± 0.093	0.021 - 0.341	0.041	0.057	0.085		100

PFHxDA	liver	0.479 ± 1.719	0.001 - 6.687	0.005	0.008	0.025	0.126	100
	muscle	0.025 ± 0.019	0.006 - 0.067	0.011	0.015	0.032		100
PFODA	liver	1.291 ± 2.085	0.017 - 6.927	0.126	0.240	0.908	0.63	100
	muscle	0.426 ± 0.453	0.059 - 1.551	0.122	0.235	0.512		100
PFBS	liver	1.093 ± 1.219	0.004 - 4.147	0.031	0.661	1.912	0.274	100
	muscle	0.392 ± 0.587	0.004 - 2.334	0.081	0.172	0.327		100
PFHxS	liver	311.489 ± 315.703	95.208 - 1401.28	156.254	217.754	303.530	< .001	100
	muscle	76.412 ± 58.136	12.447 - 201.525	34.012	55.132	99.195		100
PFHpS	liver	27.155 ± 54.162	4.777 - 202.771	5.825	8.176	11.197	0.656	100
	muscle	9.40 ± 6.743	1.334 - 24.235	3.937	8.633	12.841		100
PFOS	liver	< LOQ						100
	muscle							100
PFDS	liver	< LOQ						100
	muscle							100
PFOSA	liver	< LOQ						100
	muscle							100
MeFOSAA	liver	< LOQ						100
	muscle							100
EtFOSAA	liver	1.254 ± 3.495	0.023 - 13.743	0.069	0.146	0.459	0.259	100
	muscle	0.139 ± 0.131	0.01 - 0.455	0.050	0.086	0.156		100
N-MeFOSAA	liver	< LOQ						100
	muscle							100
N-EtFOSAA	liver	< LOQ						100
	muscle							100