

**Determination of organic pollutants in meconium and its relationship with fetal growth.
Case control study in Northwestern Spain.**

Supporting Information

Table S1. Target list including CAS and supplier.

Table S2. Labelled internal and surrogate standards including CAS and supplier.

Table S3. GC-QqQ-MS/MS detection parameters.

Table S1. Target list including CAS and supplier.

Compound			CAS	Supplier
α -hexachlorocyclohexane	α -HCH	OCP	319-84-6	Sigma-Aldrich
β -hexachlorocyclohexane	β -HCH	OCP	319-85-7	Sigma-Aldrich
Aldrin	Ald	OCP	309-00-2	Restek
Benzo[a]anthracene	BaA	PAH	56-55-3	Sigma-Aldrich
Benzo[a]pyrene	BaP	PAH	50-32-8	Sigma-Aldrich
Benzo[b]fluoranthene	BbF	PAH	205-99-2	Sigma-Aldrich
Benzo[ghi]perylene	BghiP	PAH	191-24-2	Sigma-Aldrich
Benzo[k]fluoranthene	BkF	PAH	207-08-9	Sigma-Aldrich
Chlordane (tech mix)	Chlord (mixture Cis/trans)	OCP	12789-03-6	AccuStandard
Chlorpyrifos	Chlorpy	OPP	2921-88-2	Sigma-Aldrich
Chrysene	Chr	PAH	218-01-9	Sigma-Aldrich
Dibenzo[a,h]anthracene	DBahA	PAH	53-70-3	Sigma-Aldrich
1,1-Bis-(4-chlorophenyl)-2,2,2-trichloroethan	DDT (mixture p,p' & o,p')	OCP	8017-34-3	Sigma-Aldrich
Diazinon	Diaz	OPP	33-41-5	Analytical Standard Solutions
Dieldrin	Dield	OCP	60-57-1	Restek
Endrin	End	OCP	72-20-8	Restek
Fenthion	Fent	OPP	55-38-9	Sigma-Aldrich
Fluoranthene	F	PAH	206-44-00	Sigma-Aldrich
Hexachlorobenzene	HCB	OCP	41411-63-6	AccuStandard
Heptachlor	Heptchl	OCP	76-44-8	Dr. Ehrenstorfer
Indene[1,2,3- <i>cd</i>]P	I123 <i>cd</i> P	PAH	193-38-5	Sigma-Aldrich
Parathion	Parat	OPP	298-00-0	Sigma-Aldrich
2,4,4'-Tribromodiphenyl ether	PBDE 28	PBDE	41318-75-6	AccuStandard
2,2',4,4'-tetrabromodiphenyl ether	PBDE 47	PBDE	5436-43-1	AccuStandard
2,2',4,4',5-pentabromodiphenyl ether	PBDE 99	PBDE	60348-60-9	AccuStandard
2,2',4,4',6-Pentabromodiphenyl ether	PBDE 100	PBDE	189084-64-8	AccuStandard
2,2',4,4',5,5'-hexabromodiphenyl ether	PBDE 153	PBDE	68631-49-2	AccuStandard
2,2',4,4',5,6'-Hexabromodiphenyl ether	PBDE 154	PCB	207122-15-4	AccuStandard
3,3'-Dichlorobiphenyl	PCB 11	PCB	2050-67-1	AccuStandard
2,4,4'-Trichlorobiphenyl	PCB 28	PCB	7012-37-5	Sigma-Aldrich
2,2',5,5'-Tetrachlorobiphenyl	PCB 52	PCB	35693-99-3	Sigma-Aldrich
3,3',4,4'-Tetrachlorobiphenyl	PCB 77	PCB	32598-13-3	CPAchem
3,4,4',5-Tetrachlorobiphenyl	PCB 81	PCB	70362-50-4	CPAchem
2,2',4,5,5'-Pentachlorobiphenyl	PCB 101	PCB	37680-73-2	Sigma-Aldrich
2,3,3',4,4'-Pentachlorobiphenyl	PCB 105	PCB	322259814-4	CPAchem
2,3,4,4',5-Pentachlorobiphenyl	PCB 114	PCB	74472-37-0	CPAchem
2,3',4,4',5-Pentachlorobiphenyl	PCB 118	PCB	31508-00-6	CPAchem
2',3,4,4',5-Pentachlorobiphenyl	PCB123	PCB	65510-44-3	CPAchem
3,3',4,4',5-Pentachlorobiphenyl	PCB126	PCB	57465-28-8	CPAchem
2,2',3,4,4',5-Hexachlorobiphenyl	PCB 138	PCB	35065-28-2	Sigma-Aldrich
2,2',4,4',5,5'-Hexachlorobiphenyl	PCB 153	PCB	35065-27-7	Sigma-Aldrich
2,3,3',4,4',5-Hexachlorobiphenyl	PCB 156	PCB	38380-08-4	CPAchem
2,3,3',4,4',5'-Hexachlorobiphenyl	PCB 157	PCB	69782-90-7	CPAchem
2,3',4,4',5,5'-Hexachlorobiphenyl	PCB 167	PCB	52663-72-6	CPAchem
3,3',4,4',5,5'-Hexachlorobiphenyl	PCB 169	PCB	32774-16-6	CPAchem
2,2',3,4,4',5,5'-Heptachlorobiphenyl	PCB 180	PCB	35065-29-3	Sigma-Aldrich
2,3,3',4,4',5,5'-Heptachlorobiphenyl	PCB 189	PCB	39635-31-9	CPAchem
2,2',3,3',4,4',5,5'-Decachlorobiphenyl	PCB 209	PCB	2051-24-3	Sigma-Aldrich

OCP: Organochlorinated Pesticides; OPP: organophosphorus pesticide; PBDE: Polybrominated Diphenyl Ethers; PCB: polychlorinated biphenyls; PAH: polycyclic aromatic hydrocarbon

Table S2. Labelled internal and surrogate standards including CAS and supplier.

Compound		CAS	Type	Family	Supplier
α -hexachlorocyclohexane-D ₆	α -HCH-D ₆	86194-41-4	Surrogate		Analytical Standard Solutions
γ -hexachlorocyclohexane-D ₆	γ -HCH-D ₆	60556-82-3	Surrogate	OCs	Analytical Standard Solutions
Hexachlorobenzene- ¹³ C ₆	HCB- ¹³ C ₆	93952-14-8	Surrogate		Analytical Standard Solutions
Chlorpyrifos-D ₁₀	Chlorpy- D ₁₀	285138-81-0	Surrogate	OPPs	Analytical Standard Solutions
Chrysene-D ₁₂	Chr-D ₁₂	1719-03-5	Surrogate	PAHs	Sigma-Aldrich
1,1-dichloro-2,2-bis(4-chlorophenyl-D4)ethylene	DDE-D ₈	93952-19-3	Surrogate	DDTs	Analytical Standard Solutions
1,1,1-trichloro-2,2-bis(4-chlorophenyl-D4)ethane	DDT-D ₈	93952-18-2	Internal Standard		CDN Isotopes
3,3',4,4'-Tetrabromodiphenyl ether	PBDE 77	93703-48-1	Surrogate	PBDEs	Sigma-Aldrich
3,5-Dichlorobiphenyl	PCB14	34883-41-5	Surrogate		AccuStandard
2,4,6-Trichlorobiphenyl	PCB 30	35693-92-6	Internal Standard	PCBs	AccuStandard
2,3,5,6-Tetrachlorobiphenyl	PCB 65	33284-54-7	Surrogate		AccuStandard
2,3,4,4',5,6-Hexachlorobiphenyl	PCB 166	41411-63-6	Surrogate		AccuStandard

Table S3. GC-QqQ-MS/MS detection parameters.

RT (min)	Compound	MRM quantification	Dwell (ms)	CE (eV)	MRM confirmation	Dwell (ms)	CE (eV)
6.860	α -HCH-D ₆	224 > 152	15	30	224 > 189	20	6
6.912	α -HCH	217 > 181	15	10	181 > 109	15	30
7.043	HCB- ¹³ C ₆	290 > 255	10	30	191 > 257	25	20
7.043	HCB	284 > 214	10	30	284 > 249	15	30
7.079	PCB 14	222 > 152	15	30	224 > 152	15	30
7.134	PCB 30	256 > 186	10	25	256 > 151	10	50
7.309	β -HCH	217 > 181	15	10	181 > 109	15	30
7.344	γ -HCH-D ₆	224 > 152	15	30	224 > 189	20	6
7.079	PCB 11	222 > 152	15	30	224 > 152	15	30
7.544	Diazinon	304 > 179	15	10	199 > 135	15	10
8.027	PCB 28	256 > 186	10	25	256 > 151	10	50
8.654	Parat	263 > 109	15	10	125 > 79	15	10
8.765	Heptachlor	271 > 237	50	16	274 > 239	50	16
9.289	Aldrin	255 > 220	10	20	263 > 193	15	40
9.293	PCB 52	292 > 220	15	30	292 > 257	10	10
9.293	PCB 65	292 > 220	15	30	292 > 257	10	10
9.387	Chlorpyrifos-D ₁₀	324 > 260	20	10	324 > 292	20	10
9.433	Fenthion	278 > 109	10	30	279 > 169	10	15
9.476	Chlorpyrifos	314 > 258	15	10	314 > 286	10	5
10.454	Fluoranthene	202 > 152	10	42	202 > 201	10	27
10.880	<i>trans</i> -Chlord	373 > 266	15	30	373 > 301	10	10
11.101	Pyr	202 > 151	10	42	202 > 201	10	27
11.267	<i>cis</i> -Chlord	373 > 266	15	30	373 > 301	10	10
11.752	DDE-D ₈	326 > 254	10	20	326 > 35	10	20
11.752	PCB 101	326 > 256	10	30	254 > 184	15	40
11.752	PCB 105	326 > 256	15	30	373 > 301	10	10
11.753	PCB 77	292 > 220	15	30	292 > 257	10	10
11.753	PCB 81	292 > 220	15	30	292 > 257	10	10
12.045	<i>o,p'</i> -DDT	235 > 165	15	20	235 > 199	15	20
12.677	Dieldrin	277 > 241	10	5	263 > 228	10	20
12.677	Endrin	263 > 193	15	40	281 > 173	15	40
12.750	PCB 114	326 > 256	10	30	254 > 184	15	40
13.530	PBDE 28	406 > 246	15	27	408 > 248	10	20
12.924	<i>p,p'</i> -DDT	235 > 165	15	20	235 > 199	15	20
13.058	<i>o,p'</i> -DDT	235 > 165	15	20	235 > 199	15	20
13.364	PCB 138	360 > 290	15	40	360 > 235	10	15
13.628	PBEB	500 > 485	15	30	500 > 340	15	30
13.979	PCB123	326 > 256	10	30	254 > 184	15	40
13.979	PCB 118	326 > 256	10	30	254 > 184	15	40
14.054	<i>p,p'</i> -DDT	235 > 165	15	20	235 > 199	15	20
14.100	DDT-D ₈	243 > 172	25	30	326 > 154	10	30
14.616	PCB 153	360 > 290	15	40	360 > 325	10	15
14.616	PCB 166	360 > 290	15	40	360 > 325	10	15
14.616	PCB 156	360 > 290	15	40	360 > 325	10	15
14.611	PCB126	326 > 256	10	30	254 > 184	15	40
15.569	Chr-D ₁₂	240 > 236	10	35	240 > 238	10	35
15.553	Chr	228 > 226	10	40	228 > 202	10	35
15.553	BaA	228 > 226	10	40	228 > 202	10	35
15.942	PCB 180	394 > 324	15	30	394 > 359	10	15
15.937	PCB 157	360 > 290	15	40	360 > 325	10	15
15.937	PCB 167	360 > 290	15	40	360 > 325	10	15
16.316	PBDE 47	486 > 326	15	27	484 > 326	15	27
16.764	PCB 169	360 > 290	15	40	360 > 325	10	15
17.657	PBDE 77	486 > 326	15	27	484 > 326	15	27
18.037	PCB 189	394 > 324	15	30	394 > 359	10	15
19.100	PBDE 99	566 > 406	15	27	406 > 297	10	32
19.785	BkF	252 > 250	10	45	252 > 224	10	60
19.785	BbF	252 > 250	10	45	252 > 224	10	60
19.959	PBDE 100	566 > 406	15	27	406 > 297	10	32
20.923	BaP	252 > 250	15	27	252 > 224	10	60
21.276	PCB 209	498 > 428	15	30	498 > 426	15	30
22.111	PBDE 153	644 > 484	10	27	484 > 375	10	37
23.589	PBDE 154	643 > 484	10	27	484 > 375	10	37
25.636	DBaH	278 > 276	10	42	278 > 250	10	60
26.089	BghiP	276 > 274	10	50	276 > 272	10	60
26.089	I[1,2,3cd]P	276 > 274	10	50	276 > 272	10	60