



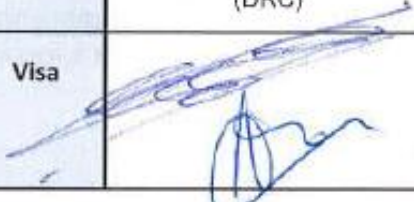
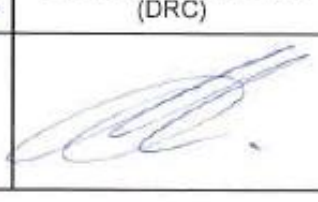
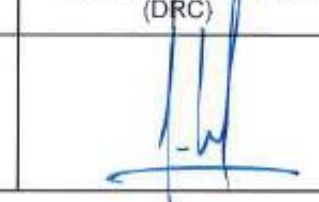
Interlaboratory comparison for the analysis of PAH in ambient air (2018) - Appendixes

French reference laboratory for air quality monitoring

INTERLABORATORY COMPARISON FOR THE ANALYSIS OF PAH IN AMBIENT AIR (2018) - APPENDIXES

INERIS

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LE LABORATOIRE CENTRAL DE SURVEILLANCE DE LA QUALITÉ DE L'AIR

Le Laboratoire Central de Surveillance de la Qualité de l'Air est constitué des laboratoires de l'IMT Lille Douai, de l'INERIS et du LNE. Il mène depuis 1991 des études et des recherches à la demande du Ministère chargé de l'environnement, et en concertation avec les Associations Agréées de Surveillance de la Qualité de l'Air (AASQA). Ces travaux en matière de pollution atmosphérique ont été financés par la Direction Générale de l'Énergie et du Climat (bureau de la qualité de l'air) du Ministère chargé de l'Environnement. Ils sont réalisés avec le souci constant d'améliorer le dispositif de surveillance de la qualité de l'air en France en apportant un appui scientifique et technique au ministère et aux AASQA.

L'objectif principal du LCSQA est de participer à l'amélioration de la qualité des mesures effectuées dans l'air ambiant, depuis le prélèvement des échantillons jusqu'au traitement des données issues des mesures. Cette action est menée dans le cadre des réglementations nationales et européennes mais aussi dans un cadre plus prospectif destiné à fournir aux AASQA de nouveaux outils permettant d'anticiper les évolutions futures.

1. LIST OF THE APPENDIXES

Appendixes	Titles
Appendix 1	Summary of the Z scores obtained by each laboratory for all the compounds
Appendix 2	Data collected, averages and repeatability standard deviations for all the laboratories.

APPENDIX 1

SUMMARY OF THE Z SCORES OBTAINED BY EACH LABORATORY FOR ALL THE COMPOUNDS

18/172774 F1 - Z scores of laboratories by parameter

Lab ID.	Benzo(a)anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[j]fluoranthene	Benzo[k]fluoranthene	Dibenzo[a,h]anthracene	Fluoranthene	Indeno[1,2,3-c,d]pyrene	Phenanthrene
180402	-1.44	-2.71	-1.16	-1.91	-0.94	-2.06	-0.09	-1.07	-1.29	-0.90
180405	-0.37	-0.96	-0.75	-1.00	Not analyzed	0.38	-0.23	-1.10	-0.84	-0.68
180415	-0.25	-0.09	-0.35	0.41	Not calculated	0.03	0.27	-0.29	-0.40	-0.09
180429	Not analyzed	0.20	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed
180430	1.73	1.20	Not analyzed	-0.33	Not analyzed	25.90	0.72	0.75	0.36	0.42
180437	-0.07	0.03	-0.28	-0.19	-0.48	0.02	Not analyzed	-0.73	0.02	3.14
180441	0.34	1.30	0.26	0.97	0.20	1.06	0.33	0.24	0.64	-0.14
180453	0.21	0.67	0.50	0.75	1.24	-0.07	-1.21	-0.29	0.69	1.07
180458	12.61	19.56	8.38	7.90	Not calculated	10.57	66.36	11.85	10.02	47.94
180470	-0.23	0.13	-0.28	0.56	-0.17	-0.20	-1.34	1.57	0.15	Not analyzed
180471	0.15	-0.45	-0.36	0.43	Not analyzed	-0.90	-1.14	-0.64	-0.65	1.36
180476	1.38	0.39	0.37	0.58	1.85	0.21	0.66	-0.26	0.92	-0.10
180477	-0.34	-0.63	-0.33	-0.12	Not analyzed	-0.11	-0.03	-0.09	-0.93	-0.18
180479	-0.19	-0.56	1.21	-0.08	Not analyzed	-0.62	0.95	-0.30	-0.74	-0.50
180481	-1.75	-3.09	-1.21	-0.99	-0.11	-2.45	-0.92	1.81	-0.96	-1.12
180486	-0.10	0.30	-0.41	-2.69	-0.61	-0.08	0.55	0.08	4.69	-0.56
180496	-0.59	-0.03	1.36	0.50	-0.52	0.29	0.06	-0.81	0.03	Not analyzed

18/172774 - F2 - Z scores of laboratories by parameter

Lab ID.	Benzo(a)anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[j]fluoranthene	Benzo[k]fluoranthene	Dibenzo[a,h]anthracene	Fluoranthene	Indeno[1,2,3-c,d]pyrene	Phenanthrene
180402	-0.87	-1.20	-0.86	-1.30	-0.81	-1.05	0.60	-0.62	-0.71	-0.80
180405	0.30	0.13	-0.27	-0.44	Not analyzed	0.63	0.14	-0.28	-0.29	-0.44
180415	-0.29	-0.04	-0.40	0.16	Not calculated	-0.10	0.16	-0.20	-0.51	-0.32
180429	Not analyzed	1.01	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed
180430	1.66	0.57	Not analyzed	-0.03	Not analyzed	25.36	1.25	1.11	0.73	-0.12
180437	-0.51	-0.62	-0.66	-0.64	-0.83	-0.55	Not analyzed	-0.98	-0.61	1.85
180441	1.00	1.91	0.92	1.63	0.43	1.46	0.79	1.40	1.20	0.66
180453	0.02	0.35	0.49	0.70	0.89	-0.10	-1.20	-0.14	0.41	0.76
180458	13.58	27.84	13.33	11.70	Not calculated	34.40	Not calculated	26.44	9.93	44.13
180470	-0.11	0.48	-0.03	1.06	-0.13	0.12	-1.61	1.97	-0.04	Not analyzed
180471	-0.76	-0.93	-0.78	-0.25	Not analyzed	-1.07	-1.60	-0.95	-0.92	-0.74
180476	1.31	0.25	0.30	0.31	1.44	0.09	0.50	-0.15	0.55	-0.06
180477	-0.51	-0.63	-0.51	-0.42	Not analyzed	-0.30	-0.33	0.05	-1.04	-0.11
180479	-0.58	-0.90	0.79	-0.63	Not analyzed	-0.81	0.79	-0.80	-1.13	-0.74
180481	-1.36	-1.60	-0.99	-0.37	0.39	-1.11	0.18	-0.81	-0.52	0.41
180486	-0.26	-0.01	-0.86	-2.70	-0.67	-0.24	-0.03	-0.12	5.12	-1.34
180496	-0.39	0.05	1.46	0.35	-0.67	0.02	-0.01	-0.50	-0.13	Not analyzed

18/172774 - MRC1 - Z scores of laboratories by parameter

Lab ID.	Benzo(a)anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[j]fluoranthene	Benzo[k]fluoranthene	Dibenzo[a,h]anthracene	Fluoranthene	Indeno[1,2,3-c,d]pyrene	Phenanthrene
180402	-1.23	-1.59	-0.92	-1.77	-1.11	-2.81	0.05	-1.74	-0.99	-1.84
180405	0.81	0.54	0.93	-0.52	Not analyzed	0.97	0.89	-0.97	0.67	-0.81
180415	-0.34	-0.32	0.08	-0.07	Not calculated	0.50	0.27	-0.44	-0.23	-0.53
180429	Not analyzed	1.69	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed
180430	-1.94	-3.13	Not analyzed	-3.25	Not analyzed	-0.47	-1.58	-4.71	-3.22	-3.45
180437	-0.07	-0.52	-0.03	-0.78	-0.39	-0.71	Not analyzed	-0.77	-0.62	-0.62
180441	0.44	0.54	0.73	0.17	0.28	0.84	-0.05	0.55	0.47	0.25
180453	0.97	0.84	1.70	0.74	0.81	0.89	0.05	0.63	1.08	0.82
180458	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed
180470	0.28	-0.66	-0.18	-0.09	-0.27	-0.42	Not calculated	0.00	0.39	0.39
180471	1.07	-0.95	0.47	-0.43	Not analyzed	-1.37	-1.46	-0.76	-1.00	0.03
180476	2.98	0.59	0.85	-0.27	3.00	-0.26	Not calculated	-0.17	0.76	-0.13
180477	-0.69	-0.92	-0.29	-0.85	Not analyzed	-0.63	0.89	-0.46	-1.13	-0.90
180479	0.18	0.07	2.16	0.19	Not analyzed	0.32	1.28	0.18	-0.18	-0.74
180481	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed
180486	-0.60	-0.67	-0.65	-2.85	-1.10	-1.37	-0.22	-1.84	1.13	-1.24
180496	-0.34	-0.18	1.26	-0.42	-0.30	-0.08	-0.25	-0.34	-0.28	Not analyzed

18/172774 - MRC2 - Z scores of laboratories by parameter

Lab ID.	Benzo(a)anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[j]fluoranthene	Benzo[k]fluoranthene	Dibenzo[a,h]anthracene	Fluoranthene	Indeno[1,2,3-c,d]pyrene	Phenanthrene
180402	-1.07	-1.86	-0.93	-1.72	-1.09	-3.79	0.06	-0.97	-1.22	-1.29
180405	0.48	0.16	-0.08	-0.96	Not analyzed	-0.63	0.06	-1.02	-0.34	-0.66
180415	-0.44	-0.50	0.13	-0.12	Not calculated	-0.07	0.20	-0.36	-0.41	-0.36
180429	Not analyzed	1.17	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed
180430	-1.85	-3.92	Not analyzed	-3.17	Not analyzed	-0.78	-1.81	-4.88	-4.23	-2.77
180437	0.19	-0.28	0.29	-0.42	-0.13	-0.22	Not analyzed	-0.37	-0.15	-0.36
180441	0.62	0.98	1.05	0.46	0.40	1.89	0.00	1.04	1.16	0.56
180453	0.52	0.69	1.36	0.25	0.71	0.45	0.03	0.07	0.80	0.30
180458	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed
180470	0.52	-0.17	0.28	0.17	-0.15	0.11	0.23	0.09	0.48	0.93
180471	3.22	0.03	1.45	0.02	Not analyzed	0.89	Not calculated	2.01	-0.46	2.27
180476	2.90	0.93	0.86	-0.09	3.15	0.11	Not calculated	0.15	1.11	-0.24
180477	-0.60	-1.09	-0.29	-0.81	Not analyzed	-0.97	1.02	-0.54	-1.45	-0.71
180479	0.11	0.12	2.44	0.31	Not analyzed	0.52	1.67	-0.13	0.03	-0.14
180481	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed
180486	-0.45	-0.71	-0.41	-2.76	-1.15	-2.08	-0.14	-1.61	-0.04	-0.93
180496	-0.29	-0.22	1.40	-0.39	-0.29	-0.04	-0.31	-0.33	-0.40	Not analyzed

18/172774 - S1 - Z scores of laboratories by parameter

Lab ID.	Benzo(a)anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[j]fluoranthene	Benzo[k]fluoranthene	Dibenzo[a,h]anthracene	Fluoranthene	Indeno[1,2,3-c,d]pyrene	Phenanthrene
180402	0.68	0.49	0.85	3.58	0.93	2.12	1.21	-0.28	4.42	1.26
180405	-0.74	-1.09	-1.23	-0.50	Not analyzed	0.85	-0.81	-2.28	-0.78	-1.98
180415	0.12	0.95	0.71	0.10	Not calculated	-0.19	0.91	0.34	-0.44	0.14
180429	Not analyzed	-1.57	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed
180430	0.41	-0.88	Not analyzed	-2.25	Not analyzed	3.89	-1.62	-0.01	-2.26	-2.41
180437	0.05	0.00	-0.07	-0.05	0.16	0.02	0.45	-0.41	-0.15	0.07
180441	0.64	0.26	0.09	-0.01	0.16	0.07	0.13	0.07	0.01	0.06
180453	-0.26	-0.32	-0.04	0.38	0.02	-0.03	0.00	-0.63	-0.01	0.10
180458	-0.67	25.08	37.40	27.65	Not calculated	18.15	77.29	49.19	15.12	18.42
180470	-0.14	0.12	-0.07	0.46	0.06	-0.06	-0.24	-0.27	-0.24	-0.13
180471	-2.75	-0.37	-0.35	0.18	Not analyzed	-0.42	0.05	-0.54	-0.27	0.68
180476	Not calculated	0.05	0.15	0.08	2.16	0.23	0.16	0.14	0.02	0.29
180477	-0.56	-0.59	-0.29	-0.15	Not analyzed	-0.12	0.37	-0.72	-1.25	-0.32
180479	0.87	0.52	3.51	0.57	Not analyzed	0.42	1.30	0.44	-0.67	0.06
180481	-1.61	-1.60	-1.24	-1.29	1.42	-0.85	-1.06	-2.86	-1.45	-1.30
180486	-0.20	-0.39	-0.28	-0.12	-0.47	-0.03	0.08	-0.81	-0.79	-0.13
180496	-3.26	-3.24	-1.36	-2.05	-0.88	-1.62	-1.89	-6.10	-2.61	Not analyzed

18/172774 - S2 - Z scores of laboratories by parameter

Lab ID.	Benzo(a)anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[j]fluoranthene	Benzo[k]fluoranthene	Dibenzo[a,h]anthracene	Fluoranthene	Indeno[1,2,3-c,d]pyrene	Phenanthrene
180402	0.32	0.26	0.89	4.51	0.70	2.03	0.77	-0.63	4.22	1.03
180405	-0.80	-1.07	-1.23	-0.92	Not analyzed	1.45	-0.96	-2.70	-1.13	-1.78
180415	-0.11	1.09	1.04	0.19	Not calculated	-0.49	1.45	-0.32	0.46	-0.07
180429	Not analyzed	-1.83	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed
180430	Not calculated	Not calculated	Not analyzed	Not calculated	Not analyzed	Not calculated	Not calculated	Not calculated	Not calculated	-7.54
180437	0.28	-0.02	-0.12	-0.11	0.26	0.23	0.50	-0.69	-0.23	0.00
180441	0.45	0.14	0.08	0.02	0.10	-0.14	0.15	0.12	-0.01	0.15
180453	-0.19	-0.21	-0.05	0.58	0.05	0.01	0.05	-0.68	-0.01	0.09
180458	32.11	22.95	25.97	40.74	Not calculated	19.27	47.05	60.03	40.24	32.91
180470	-0.13	0.10	-0.03	0.66	0.06	-0.10	-0.29	-0.34	-0.16	-0.06
180471	-2.43	-0.45	-0.32	-0.06	Not analyzed	-0.52	-0.03	-0.52	-0.45	0.54
180476	Not calculated	0.01	0.08	0.05	1.96	0.24	0.12	0.03	-0.04	0.24
180477	-0.51	-0.43	-0.21	-0.14	Not analyzed	-0.09	0.40	-0.75	-1.33	-0.31
180479	0.65	0.23	2.67	0.26	Not analyzed	0.15	1.03	-0.32	-1.07	-0.35
180481	-1.23	-1.42	-0.88	-1.73	1.56	-1.08	-1.20	-2.95	-1.34	-1.51
180486	-0.31	-0.43	-0.36	-0.34	-0.46	-0.18	-0.03	-0.93	-0.67	-0.16
180496	-2.92	-2.73	-1.30	-3.16	-0.85	-2.12	-2.14	-6.76	-3.10	Not analyzed

18/172774 - S3 - Z scores of laboratories by parameter

Lab ID.	Benzo(a)anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[j]fluoranthene	Benzo[k]fluoranthene	Dibenzo[a,h]anthracene	Fluoranthene	Indeno[1,2,3-c,d]pyrene	Phenanthrene
180402	-0.60	Not calculated	-1.37	-0.40	Not calculated	Not calculated	Not calculated	-1.08	-1.19	0.14
180405	-0.26	-0.75	-1.87	-0.64	Not analyzed	1.24	Not calculated	-1.23	-1.35	-1.24
180415	-0.81	-0.93	0.46	-0.54	Not calculated	-0.46	0.12	-0.72	-2.10	0.13
180429	Not analyzed	0.01	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed	Not analyzed
180430	134.52	128.09	Not analyzed	79.89	Not analyzed	248.62	44.46	321.85	119.35	163.29
180437	0.43	0.33	0.27	0.41	-0.36	0.49	0.59	-0.17	-0.02	0.31
180441	0.48	0.30	0.13	0.08	0.12	0.20	0.19	0.27	-0.33	0.18
180453	-0.01	-0.07	0.07	0.33	-0.01	0.14	0.12	-0.22	-0.31	0.22
180458	1.30	2.93	1.02	8.76	Not calculated	1.55	41.24	1.06	-1.07	1.46
180470	0.07	0.22	0.14	0.75	Not calculated	-0.03	Not calculated	Not calculated	-0.29	Not calculated
180471	-1.50	-0.34	-0.33	0.25	Not analyzed	-0.54	0.20	-0.10	-0.86	0.24
180476	Not calculated	0.13	0.29	-0.02	1.22	0.29	0.27	0.31	-0.43	0.53
180477	Not calculated	Not calculated	Not calculated	Not calculated	Not calculated	Not calculated	Not calculated	-0.62	Not calculated	-0.26
180479	0.23	0.33	3.58	0.36	Not analyzed	0.38	0.95	-1.20	-1.46	-1.27
180481	-0.85	-1.93	0.04	-1.78	1.90	-1.02	-0.71	-1.47	-2.41	-1.33
180486	-0.03	-0.27	-0.13	-0.10	-0.37	-0.02	0.14	-0.29	-1.27	-0.35
180496	-1.46	-2.33	-1.50	-2.31	-0.52	-1.31	-1.34	-4.20	-3.87	Not analyzed

APPENDIX 2

DATA COLLECTED, AVERAGES AND REPEATABILITY STANDARD DEVIATIONS FOR ALL THE LABORATORIES.

All raw data for all participants and materials are presented here.

Table 1 - 18/172774 - F - Blanc - Benzo[a]anthracene - Raw data in ng/filter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	<2.50	<2.50	<2.50	<2.50	31.00	23/03/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (hexane/éther diéthylique (90/10)) - GC/MS	2.500	0.000	0.0%
180405	<5.00	<5.00	<5.00	<5.00	35.00	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	5.000	0.000	0.0%
180415	<1.00	<1.00	<1.00	<1.00	55.00	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	1.000	0.000	0.0%
180429	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180430	<12.06	<12.06	<12.06	<12.06		26/03/2018	29/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	12.060	0.000	0.0%
180437	<2.00	<2.00	<2.00	<2.00	30.00	04/04/2018	07/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	2.000	0.000	0.0%
180441	<4.00	<4.00	<4.00	<4.00		04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	4.000	0.000	0.0%
180453	<10.00	<10.00	<10.00	<10.00	15.00	13/03/2018	17/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	10.000	0.000	0.0%
180458	0.00	112.00	0.00	0.00	50.00	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	28.000	56.000	200.0%
180470	<2.00	<2.00	<2.00	<2.00	12.00	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	2.000	0.000	0.0%
180471	0.11	0.19	0.15	0.14	13.15	26/03/2018	09/04/2018	/ - ASE (90% dichlorométhane amylène / 10% méthanol 2ème extraction : 50% dichlorométhane amylène / 50% acétone) - HPLC / fluo	0.148	0.033	22.4%
180476	<25.00	<25.00	<25.00	<25.00		23/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	25.000	0.000	0.0%
180477	<20.00	<20.00	<20.00	<20.00	<20.00	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	20.000	0.000	0.0%
180479	<2.00	<2.00	<2.00	<2.00	<45.00	29/03/2018	04/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	2.000	0.000	0.0%
180481	<5.00	<5.00	<5.00	<5.00	<27.00	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	5.000	0.000	0.0%
180486	<1.00	<1.00	<1.00	<1.00	<40.00	21/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	1.000	0.000	0.0%
180496	<0.42	<0.42	<0.42	<0.42	<4.00	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	0.420	0.000	0.0%

Table 2 - 18/172774 - F - Blanc - Benzo[a]pyrene - Raw data in ng/filter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	<5.00	<5.00	<5.00	<5.00	29.00	23/03/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (hexane/éther diéthylique (90/10)) - GC/MS	5.000	0.000	0.0%
180405	<1.00	<1.00	<1.00	<1.00	35.00	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	1.000	0.000	0.0%
180415	<1.00	<1.00	<1.00	<1.00	32.00	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	1.000	0.000	0.0%
180429	<5.00	<5.00	<5.00	<5.00		26/03/2018	26/03/2018	EN 15549 - Ultrasons (hexane) - GC/MS/MS	5.000	0.000	0.0%
180430	<14.52	<14.52	<14.52	<14.52		26/03/2018	29/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	14.520	0.000	0.0%
180437	<1.00	<1.00	<1.00	<1.00	30.00	04/04/2018	07/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	1.000	0.000	0.0%
180441	<8.00	<8.00	<8.00	<8.00		04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	8.000	0.000	0.0%
180453	<3.00	<3.00	<3.00	<3.00	25.00	13/03/2018	17/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	3.000	0.000	0.0%
180458	3.00	112.00	0.00	0.00	70.00	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	28.750	55.518	193.1%
180470	<1.00	<1.00	<1.00	<1.00	20.00	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	1.000	0.000	0.0%
180471	0.15	0.16	0.18	0.16	35.14	26/03/2018	09/04/2018	/ - ASE (90% dichlorométhane amyène / 10% méthanol 2ème extraction : 50% dichlorométhane amyène / 50% acétone) - HPLC / fluo	0.163	0.013	7.7%
180476	<25.00	<25.00	<25.00	<25.00		23/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	25.000	0.000	0.0%
180477	<20.00	<20.00	<20.00	<20.00	20.00	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	20.000	0.000	0.0%
180479	<2.00	<2.00	<2.00	<2.00	33.00	29/03/2018	04/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	2.000	0.000	0.0%
180481	<5.00	<5.00	<5.00	<5.00	27.00	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	5.000	0.000	0.0%
180486	<1.00	<1.00	<1.00	<1.00	40.00	21/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	1.000	0.000	0.0%
180496	<0.71	<0.71	<0.71	<0.71	4.00	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	0.710	0.000	0.0%

Table 3 - 18/172774 - F - Blanc - Benzo[b]fluoranthene - Raw data in ng/filter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	<5.00	<5.00	<5.00	<5.00	29.00	23/03/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (hexane/éther diéthylique (90/10)) - GC/MS	5.000	0.000	0.0%
180405	<5.00	<5.00	<5.00	<5.00	35.00	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	5.000	0.000	0.0%
180415	<1.00	<1.00	<1.00	<1.00	37.00	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	1.000	0.000	0.0%
180429	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180430	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180437	<2.00	<2.00	<2.00	<2.00	30.00	04/04/2018	07/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	2.000	0.000	0.0%
180441	<8.00	<8.00	<8.00	<8.00		04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	8.000	0.000	0.0%
180453	<10.00	<10.00	<10.00	<10.00	10.00	13/03/2018	17/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	10.000	0.000	0.0%
180458	0.00	0.00	0.00		80.00	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	0.000	0.000	Pb. Moy.=0
180470	<5.00	<5.00	<5.00	<5.00	19.00	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	5.000	0.000	0.0%
180471	0.12	0.17	0.29	0.24	31.52	26/03/2018	09/04/2018	/ - ASE (90% dichlorométhane amyène / 10% méthanol 2ème extraction : 50% dichlorométhane amyène / 50% acétone) - HPLC / fluo	0.205	0.075	36.6%
180476	<25.00	<25.00	<25.00	<25.00		23/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	25.000	0.000	0.0%
180477	<20.00	<20.00	<20.00	<20.00	20.00	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	20.000	0.000	0.0%
180479	<2.00	<2.00	<2.00	<2.00	31.00	29/03/2018	04/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	2.000	0.000	0.0%
180481	<30.00	<30.00	<30.00	<30.00	27.00	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	30.000	0.000	0.0%
180486	<1.00	<1.00	<1.00	<1.00	40.00	21/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	1.000	0.000	0.0%
180496	<0.53	<0.53	<0.53	<0.53	5.00	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	0.530	0.000	0.0%

Table 4 - 18/172774 - F - Blanc - Benzo[g,h,i]perylene - Raw data in ng/filter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertain ty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	<5.00	<5.00	<5.00	<5.00	36.00	23/03/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (hexane/éther diéthylique (90/10)) - GC/MS	5.000	0.000	0.0%
180405	<5.00	<5.00	<5.00	<5.00	35.00	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	5.000	0.000	0.0%
180415	<1.00	<1.00	<1.00	<1.00	21.00	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	1.000	0.000	0.0%
180429	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180430	<10.83	<10.83	<10.83	<10.83		26/03/2018	29/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	10.830	0.000	0.0%
180437	<2.00	<2.00	<2.00	<2.00	30.00	04/04/2018	07/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	2.000	0.000	0.0%
180441	<9.00	<9.00	<9.00	<9.00		04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	9.000	0.000	0.0%
180453	<10.00	<10.00	<10.00	<10.00	20.00	13/03/2018	17/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	10.000	0.000	0.0%
180458	0.00	0.00	0.00	0.00	70.00	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	0.000	0.000	Pb. Moy.=0
180470	<5.00	<5.00	<5.00	<5.00	14.00	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	5.000	0.000	0.0%
180471	1.02	0.72	0.99	0.87	28.17	26/03/2018	09/04/2018	/ - ASE (90% dichlorométhane amyène / 10% méthanol 2ème extraction : 50% dichlorométhane amyène / 50% acétone) - HPLC / fluo	0.900	0.136	15.2%
180476	<25.00	<25.00	<25.00	<25.00		23/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	25.000	0.000	0.0%
180477	<20.00	<20.00	<20.00	<20.00	20.00	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	20.000	0.000	0.0%
180479	<2.00	<2.00	<2.00	<2.00	36.00	29/03/2018	04/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	2.000	0.000	0.0%
180481	<10.00	<10.00	<10.00	<10.00	27.00	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	10.000	0.000	0.0%
180486	<1.00	<1.00	<1.00	<1.00	40.00	21/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	1.000	0.000	0.0%
180496	<0.48	<0.48	<0.48	<0.48	3.00	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	0.480	0.000	0.0%

Table 5 - 18/172774 - F - Blanc - Benzo[j]fluoranthene - Raw data in ng/filter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	<5.00	<5.00	<5.00	<5.00	21.00	23/03/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (hexane/éther diéthylique (90/10)) - GC/MS	5.000	0.000	0.0%
180405	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180415	0.00	0.00	0.00	0.00	0.00	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	0.000	0.000	Pb. Moy.=0
180429	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180430	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180437	<2.00	<2.00	<2.00	<2.00	35.00	04/04/2018	07/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	2.000	0.000	0.0%
180441	<8.00	<8.00	<8.00	<8.00		04/04/2018	05/04/2018	/- ASE (dichlorométhane) - GC/MS	8.000	0.000	0.0%
180453	<10.00	<10.00	<10.00	<10.00	15.00	13/03/2018	17/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	10.000	0.000	0.0%
180458	0.00	0.00	0.00	0.00	0.00	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	0.000	0.000	Pb. Moy.=0
180470	89.00	97.00	100.00	102.00	33.00	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	97.000	5.715	5.9%
180471	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180476	<25.00	<25.00	<25.00	<25.00		23/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	25.000	0.000	0.0%
180477	<20.00	<20.00	<20.00	<20.00	20.00	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	20.000	0.000	0.0%
180479	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180481	<10.00	<10.00	<10.00	<10.00	27.00	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	10.000	0.000	0.0%
180486	<1.00	<1.00	<1.00	<1.00	40.00	21/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	1.000	0.000	0.0%
180496	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 6 - 18/172774 - F - Blanc - Benzo[k]fluoranthene - Raw data in ng/filter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	<5.00	<5.00	<5.00	<5.00	29.00	23/03/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (hexane/éther diéthylique (90/10)) - GC/MS	5.000	0.000	0.0%
180405	<5.00	<5.00	<5.00	<5.00	35.00	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	5.000	0.000	0.0%
180415	<1.00	<1.00	<1.00	<1.00	40.00	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	1.000	0.000	0.0%
180429	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180430	<13.89	<13.89	<13.89	13.89		26/03/2018	29/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	13.890	0.000	0.0%
180437	<2.00	<2.00	<2.00	<2.00	30.00	04/04/2018	07/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	2.000	0.000	0.0%
180441	<8.00	<8.00	<8.00	<8.00		04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	8.000	0.000	0.0%
180453	<10.00	<10.00	<10.00	<10.00	15.00	13/03/2018	17/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	10.000	0.000	0.0%
180458	0.00	0.00	0.00	0.00	80.00	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	0.000	0.000	Pb. Moy.=0
180470	<1.00	<1.00	<1.00	<1.00	13.00	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	1.000	0.000	0.0%
180471	0.08	0.12	0.11	0.13	32.56	26/03/2018	09/04/2018	/ - ASE (90% dichlorométhane amyène / 10% méthanol 2ème extraction : 50% dichlorométhane amyène / 50% acétone) - HPLC / fluo	0.110	0.022	19.6%
180476	<25.00	<25.00	<25.00	<25.00		23/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	25.000	0.000	0.0%
180477	<20.00	<20.00	<20.00	<20.00	20.00	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	20.000	0.000	0.0%
180479	<2.00	<2.00	<2.00	<2.00	38.00	29/03/2018	04/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	2.000	0.000	0.0%
180481	<10.00	<10.00	<10.00	<10.00	27.00	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	10.000	0.000	0.0%
180486	<1.00	<1.00	<1.00	<1.00	40.00	21/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	1.000	0.000	0.0%
180496	<0.65	<0.65	<0.65	<0.65	4.00	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	0.650	0.000	0.0%

Table 7 - 18/172774 - F - Blanc - Dibenzo[a,h]anthracene - Raw data in ng/filter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	<2.00	<2.00	<2.00	<2.00	38.00	23/03/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (hexane/éther diéthylique (90/10)) - GC/MS	2.000	0.000	0.0%
180405	<5.00	<5.00	<5.00	<5.00	35.00	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	5.000	0.000	0.0%
180415	<1.00	<1.00	<1.00	<1.00	12.00	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	1.000	0.000	0.0%
180429	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180430	<10.62	<10.62	<10.62	<10.62		26/03/2018	29/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	10.620	0.000	0.0%
180437	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180441	<9.00	<9.00	<9.00	<9.00		04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	9.000	0.000	0.0%
180453	<3.00	<3.00	<3.00	<3.00	20.00	13/03/2018	17/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	3.000	0.000	0.0%
180458	0.00	0.00	0.00	0.00	70.00	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	0.000	0.000	Pb. Moy.=0
180470	<5.00	<5.00	<5.00	<5.00	17.00	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	5.000	0.000	0.0%
180471	<0.03	<0.03	0.03	<0.03	33.20	26/03/2018	09/04/2018	/ - ASE (90% dichlorométhane amyène / 10% méthanol 2ème extraction : 50% dichlorométhane amyène / 50% acétone) - HPLC / fluo	0.030	0.000	0.0%
180476	<25.00	<25.00	<25.00	<25.00		23/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	25.000	0.000	0.0%
180477	<20.00	<20.00	<20.00	<20.00	20.00	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	20.000	0.000	0.0%
180479	<2.00	<2.00	<2.00	<2.00	45.00	29/03/2018	04/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	2.000	0.000	0.0%
180481	<10.00	<10.00	<10.00	<10.00	26.00	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	10.000	0.000	0.0%
180486	<1.00	<1.00	<1.00	<1.00	40.00	21/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	1.000	0.000	0.0%
180496	<0.77	<0.77	<0.77	<0.77	1.00	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	0.770	0.000	0.0%

Table 8 - 18/172774 - F - Blanc - Fluoranthene - Raw data in ng/filter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	<2.50	<2.50	<2.50	<2.50	31.00	23/03/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (hexane/éther diéthylique (90/10)) - GC/MS	2.500	0.000	0.0%
180405	<5.00	<5.00	<5.00	<5.00	35.00	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	5.000	0.000	0.0%
180415	<1.00	<1.00	<1.00	<1.00	35.00	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	1.000	0.000	0.0%
180429	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180430	<22.68	<22.68	<22.68	<22.68		26/03/2018	29/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	22.680	0.000	0.0%
180437	<2.00	<2.00	2.00	<2.00	30.00	04/04/2018	07/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	2.000	0.000	0.0%
180441	<4.00	<4.00	4.00	<4.00		04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	4.000	0.000	0.0%
180453	<10.00	<10.00	10.00	<10.00	15.00	13/03/2018	17/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	10.000	0.000	0.0%
180458	155.00	0.00	0.00	0.00	50.00	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	38.750	77.500	200.0%
180470	<15.00	<15.00	<15.00	<15.00	<15.00	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	15.000	0.000	0.0%
180471	0.20	0.22	0.12	0.19	18.99	26/03/2018	09/04/2018	/ - ASE (90% dichlorométhane amyène / 10% méthanol 2ème extraction : 50% dichlorométhane amyène / 50% acétone) - HPLC / fluo	0.183	0.043	23.8%
180476	<25.00	<25.00	<25.00	<25.00		23/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	25.000	0.000	0.0%
180477	2<0.00	<20.00	<20.00	<20.00	20.00	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	20.000	0.000	0.0%
180479	2.34	2.38	3.09	<2.00	36.00	29/03/2018	04/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	2.453	0.458	18.7%
180481	<10.00	<10.00	<10.00	<10.00	24.00	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	10.000	0.000	0.0%
180486	<1.00	<1.00	<1.00	<1.00	40.00	21/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	1.000	0.000	0.0%
180496	<0.46	<0.46	<0.46	<0.46	6.00	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	0.460	0.000	0.0%

Table 9 - 18/172774 - F - Blanc - Indeno[1,2,3 - c,d]pyrene - Raw data in ng/filter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	<5.00	<5.00	<5.00	<5.00	34.00	23/03/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (hexane/éther diéthylique (90/10)) - GC/MS	5.000	0.000	0.0%
180405	<5.00	<5.00	<5.00	<5.00	35.00	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	5.000	0.000	0.0%
180415	<1.00	<1.00	<1.00	<1.00	19.00	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	1.000	0.000	0.0%
180429	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180430	<12.60	<12.60	<12.60	<12.60		26/03/2018	29/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	12.600	0.000	0.0%
180437	<2.00	<2.00	<2.00	<2.00	35.00	04/04/2018	07/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	2.000	0.000	0.0%
180441	<10.00	<10.00	<10.00	<10.00		04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	10.000	0.000	0.0%
180453	<10.00	<10.00	<10.00	<10.00	20.00	13/03/2018	17/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	10.000	0.000	0.0%
180458	0.00	0.00	<40.00	0.00	70.00	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	10.000	20.000	200.0%
180470	<5.00	<5.00	<5.00	5.00	17.00	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	5.000	0.000	0.0%
180471	<0.13	<0.13	<0.13	0.13	44.60	26/03/2018	09/04/2018	/ - ASE (90% dichlorométhane amyène / 10% méthanol 2ème extraction : 50% dichlorométhane amyène / 50% acétone) - HPLC / fluo	0.130	0.000	0.0%
180476	<25.00	<25.00	<25.00	<25.00		23/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	25.000	0.000	0.0%
180477	<20.00	<20.00	<20.00	<20.00	20.00	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	20.000	0.000	0.0%
180479	<2.00	<2.00	<2.00	<2.00	36.00	29/03/2018	04/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	2.000	0.000	0.0%
180481	<10.00	<10.00	<10.00	<10.00	27.00	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	10.000	0.000	0.0%
180486	<1.00	<1.00	<1.00	<1.00	40.00	21/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	1.000	0.000	0.0%
180496	<0.22	<0.22	<0.22	<0.22	4.00	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	0.220	0.000	0.0%

Table 10 - 18/172774 - F - Blanc - Phenanthrene - Raw data in ng/filter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertain ty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	<2.50	<2.50	<2.50	<2.50	43.00	23/03/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (hexane/éther diéthylique (90/10)) - GC/MS	2.500	0.000	0.0%
180405	<5.00	<5.00	<5.00	<5.00	35.00	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	5.000	0.000	0.0%
180415	<1.00	<1.00	<1.00	<1.00	28.00	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	1.000	0.000	0.0%
180429	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180430	<10.68	<10.68	<10.68	<10.68		26/03/2018	29/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	10.680	0.000	0.0%
180437	<2.00	<2.00	<2.00	<2.00	30.00	04/04/2018	07/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	2.000	0.000	0.0%
180441	<8.00	<8.00	<8.00	<8.00		04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	8.000	0.000	0.0%
180453	<10.00	<10.00	<10.00	<10.00	20.00	13/03/2018	17/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	10.000	0.000	0.0%
180458	182.00	0.00	0.00	144.00	70.00	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	81.500	95.378	117.0%
180470	<25.00	<25.00	<25.00	<25.00	20.00	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	25.000	0.000	0.0%
180471	0.73	0.73	0.50	0.55	34.89	26/03/2018	09/04/2018	/ - ASE (90% dichlorométhane amylène / 10% méthanol 2ème extraction : 50% dichlorométhane amylène / 50% acétone) - HPLC / fluo	0.628	0.120	19.1%
180476	<25.00	<25.00	<25.00	<25.00		23/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	25.000	0.000	0.0%
180477	<20.00	<20.00	<20.00	<20.00	20.00	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	20.000	0.000	0.0%
180479	7.47	3.28	2.16	2.41	26.00	29/03/2018	04/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	3.830	2.474	64.6%
180481	<5.00	<5.00	<5.00	<5.00	27.00	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	5.000	0.000	0.0%
180486	<1.00	<1.00	<1.00	<1.00	40.00	21/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	1.000	0.000	0.0%
180496	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 11 - 18/172774 - F - Blanc - Observations

Lab ID.	Observation
180402	extraction à l'hexane/éther diéthylique (90/10)
180405	Obs Filtre F Blanc
180415	
180429	
180430	BbF and BjF data are not individual compounds but together. ?BbjF result are: Replicate 1: < 19.45 Replicate 2: < 19.45 Replicate 3: < 19.45 Replicate 4: < 19.45
180437	Intéférent sur le DiBenzo(a,h)anthracene pas de résultat
180441	incertitudes selon la norme NF 11352
180453	
180458	
180470	dans nos séries de Meas. on s'est assuré que nos blancs de procédure étaient corrects (absence de B(j)F)
180471	1ère extraction : 90% dichlorométhane amyène / 10% méthanol 2ème extraction : 50% dichlorométhane amyène / 50% acétone
180476	
180477	
180479	benzo(k)= j+k
180481	Norme NFX43-294
180486	
180496	

Table 12 - 18/172774 F1 - Benzo[a]anthracene - Raw data in ng/filter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	203.20	202.35	202.98	201.83	31.00	23/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (extraction à l'hexane/éther diéthylique (90/10)) - GC/MS	202.590	0.622	0.3%
180405	297.80	299.40	301.30	300.70	20.00	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	299.800	1.551	0.5%
180415	311.73	311.35	310.24	309.72	55.00	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	310.760	0.938	0.3%
180429	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180430	484.53	477.65	483.53	511.85	8.11	26/03/2018	29/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	489.390	15.278	3.1%
180437	328.00	328.00	328.00	324.00	30.00	04/04/2018	07/04/2018	EN 15549 - ASE (dichlorométhane/hexane) - UPLC/Fluo	327.000	2.000	0.6%
180441	371.74	359.78	363.37	359.55	19.00	04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	363.610	5.695	1.6%
180453	354.47	350.87	350.33	352.51	15.00	13/03/2018	17/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	352.045	1.864	0.5%
180458	1 168.00	1 559.00	1 976.20	1 195.80	50.00	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	1 474.750	378.796	25.7%
180470	308.00	324.00	310.00	307.00	12.00	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	312.250	7.932	2.5%
180471	354.67	341.91	345.55	345.70	13.15	26/03/2018	09/04/2018	/ - ASE (1ère extraction : 90% dichlorométhane amylène / 10% méthanol 2ème extraction : 50% dichlorométhane amylène / 50% acétone) - HPLC / fluo	346.958	5.432	1.6%
180476	481.26	440.33	444.05	465.19	8.36	28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	457.708	19.142	4.2%
180477	299.34	303.73	304.80	301.54	20.00	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	302.353	2.424	0.8%
180479	341.50	306.42	311.61	302.29	45.00	29/03/2018	04/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	315.455	17.777	5.6%
180481	175.00	174.00	176.00	174.00	27.00	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	174.750	0.957	0.5%
180486	325.00	321.70	327.70	323.10	35.00	21/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	324.375	2.597	0.8%
180496	276.76	282.60	279.97	279.37	4.00	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	279.675	2.397	0.9%

Table 13 - 18/172774 F1 - Benzo[a]pyrene - Raw data in ng/filter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	218.33	212.83	219.93	214.68	29.00	23/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (extraction à l'hexane/éther diéthylique (90/10)) - GC/MS	216.443	3.260	1.5%
180405	307.60	309.50	309.00	309.80	25.00	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	308.975	0.974	0.3%
180415	356.19	355.67	353.30	353.31	32.00	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	354.618	1.530	0.4%
180429	374.00	380.20	367.60	357.90		26/03/2018	26/03/2018	EN 15549 - Ultrasons (hexane) - GC/MS/MS	369.925	9.525	2.6%
180430	448.54	427.38	414.19	401.42	12.55	26/03/2018	29/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	422.883	20.122	4.8%
180437	362.00	359.00	362.00	362.00	30.00	04/04/2018	07/04/2018	EN 15549 - ASE (dichlorométhane/hexane) - UPLC/Fluo	361.250	1.500	0.4%
180441	423.86	425.33	424.71	437.73	29.00	04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	427.908	6.576	1.5%
180453	393.90	394.34	395.77	394.89	17.00	13/03/2018	17/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	394.725	0.806	0.2%
180458	1 278.00	1 333.00	1 482.00	1 473.00	50.00	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	1 391.500	101.877	7.3%
180470	367.00	370.00	359.00	369.00	10.00	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	366.250	4.992	1.4%
180471	331.40	331.70	341.68	338.70	35.14	26/03/2018	09/04/2018	/ - ASE (1ère extraction : 90% dichlorométhane amyène / 10% méthanol 2ème extraction : 50% dichlorométhane amyène / 50% acétone) - HPLC / fluo	335.870	5.136	1.5%
180476	383.54	377.94	377.47	381.15	1.50	28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	380.025	2.858	0.8%
180477	331.62	328.53	323.78	321.96	20.00	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	326.473	4.410	1.4%
180479	347.91	334.24	333.88	304.38	33.00	29/03/2018	04/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	330.103	18.350	5.6%
180481	181.00	212.00	204.00	189.00	27.00	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	196.500	14.059	7.2%
180486	372.60	377.50	375.10	375.40	35.00	21/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	375.150	2.007	0.5%
180496	359.89	357.87	358.75	356.23	4.00	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	358.185	1.544	0.4%

Table 14 - 18/172774 F1 - Benzo[b]fluoranthene - Raw data in ng/filter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	247.55	243.23	256.80	245.25	29.00	23/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (extraction à l'hexane/éther diéthylique (90/10)) - GC/MS	248.208	5.994	2.4%
180405	304.70	306.50	304.70	300.70	30.00	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	304.150	2.452	0.8%
180415	360.05	359.23	356.79	357.86	37.00	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	358.483	1.445	0.4%
180429	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180430	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180437	372.00	372.00	363.00	364.00	30.00	04/04/2018	07/04/2018	EN 15549 - ASE (dichlorométhane/hexane) - UPLC/Fluo	367.750	4.924	1.3%
180441	439.52	440.11	441.74	442.26	6.00	04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	440.908	1.302	0.3%
180453	474.31	476.04	474.06	472.04	10.00	13/03/2018	17/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	474.113	1.638	0.3%
180458	1 715.50	1 761.00	1 722.00	994.80	80.00	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	1 548.325	369.563	23.9%
180470	354.00	375.00	395.00	350.00	9.00	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	368.500	20.793	5.6%
180471	352.90	348.76	369.55	356.24	31.52	26/03/2018	09/04/2018	/ - ASE (1ère extraction : 90% dichlorométhane amyène / 10% méthanol 2ème extraction : 50% dichlorométhane amyène / 50% acétone) - HPLC / fluo	356.863	8.995	2.5%
180476	462.09	449.95	457.47	459.24	2.26	28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	457.188	5.187	1.1%
180477	363.68	363.36	359.00	358.57	20.00	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	361.153	2.742	0.8%
180479	514.16	604.43	576.46	587.80	31.00	29/03/2018	04/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	570.713	39.413	6.9%
180481	243.00	232.00	241.00	246.00	27.00	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	240.500	6.028	2.5%
180486	361.10	359.00	339.30	342.80	35.00	21/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	350.550	11.095	3.2%
180496	594.64	589.88	593.37	589.17	5.00	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	591.765	2.654	0.4%

Table 15 - 18/172774 F1 - Benzo[g,h,i]perylene - Raw data in ng/filter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	144.40	143.03	137.18	138.03	36.00	23/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (extraction à l'hexane/éther diéthylique (90/10)) - GC/MS	140.660	3.588	2.6%
180405	202.20	202.70	203.00	206.30	20.00	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	203.550	1.863	0.9%
180415	302.57	301.85	301.32	301.76	21.00	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	301.875	0.518	0.2%
180429	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180430	299.08	257.70	225.90	218.40	16.83	26/03/2018	29/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	250.270	36.730	14.7%
180437	277.00	244.00	262.00	258.00	30.00	04/04/2018	07/04/2018	EN 15549 - ASE (dichlorométhane/hexane) - UPLC/Fluo	260.250	13.574	5.2%
180441	343.94	337.13	340.38	342.07	4.00	04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	340.880	2.892	0.8%
180453	325.86	326.63	323.51	324.30	15.00	13/03/2018	17/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	325.075	1.424	0.4%
180458	700.80	942.60	0.00	0.00	70.00	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	821.700	170.978	20.8%
180470	317.00	322.00	305.00	306.00	8.00	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	312.500	8.347	2.7%
180471	303.72	297.59	309.99	302.14	28.17	26/03/2018	09/04/2018	/ - ASE (1ère extraction : 90% dichlorométhane amylène / 10% méthanol 2ème extraction : 50% dichlorométhane amylène / 50% acétone) - HPLC / fluo	303.360	5.127	1.7%
180476	319.57	308.31	308.49	317.19	372.00	28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	313.390	5.844	1.9%
180477	265.27	267.11	263.98	262.38	20.00	21/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	264.685	2.003	0.8%
180479	296.55	253.01	268.22	253.95	36.00	29/03/2018	04/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	267.933	20.308	7.6%
180481	215.00	192.00	204.00	208.00	27.00	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	204.750	9.639	4.7%
180486	92.20	85.10	84.60	84.40	35.00	21/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	86.575	3.762	4.3%
180496	307.25	307.98	309.43	308.68	3.00	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	308.335	0.935	0.3%

Table 16 - 18/172774 F1 - Benzo[j]fluoranthene - Raw data in ng/filter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	143.78	144.30	149.08	144.58	21.00	23/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (extraction à l'hexane/éther diéthylique (90/10)) - GC/MS	145.435	2.453	1.7%
180405	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180415	0.00	0.00	0.00	0.00	0.00	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	0.000	0.000	Pb. Moy.=0
180429	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180430	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180437	195.00	198.00	199.00	195.00	35.00	04/04/2018	07/04/2018	EN 15549 - ASE (dichlorométhane/hexane) - UPLC/Fluo	196.750	2.062	1.0%
180441	275.58	274.25	270.95	273.91	16.00	04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	273.673	1.953	0.7%
180453	391.60	393.71	392.71	390.40	15.00	13/03/2018	17/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	392.105	1.426	0.4%
180458	0.00	0.00	0.00	0.00	0.00	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	0.000	0.000	Pb. Moy.=0
180470	220.00	220.00	249.00	241.00	8.00	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	232.500	14.799	6.4%
180471	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180476	466.89	459.21	462.27	454.76	2.22	28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	460.783	5.107	1.1%
180477	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180479	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180481	243.00	230.00	240.00	245.00	27.00	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	239.500	6.658	2.8%
180486	183.20	187.30	179.60	179.90	35.00	21/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	182.500	3.592	2.0%
180496	193.27	191.81	192.04	192.02	50.00	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	192.285	0.665	0.3%

Table 17 - 18/172774 F1 - Benzo[k]fluoranthene - Raw data in ng/filter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty y %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	99.78	98.55	101.98	101.95	29.00	23/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (extraction à l'hexane/éther diéthylique (90/10)) - GC/MS	100.565	1.693	1.7%
180405	181.20	180.40	178.20	181.90	30.00	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	180.425	1.605	0.9%
180415	167.33	169.22	171.94	167.40	40.00	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	168.973	2.163	1.3%
180429	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180430	1 053.54	995.73	1 003.58	1 018.03	17.23	26/03/2018	29/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	1 017.720	25.604	2.5%
180437	169.00	169.00	169.00	168.00	30.00	04/04/2018	07/04/2018	EN 15549 - ASE (dichlorométhane/hexane) - UPLC/Fluo	168.750	0.500	0.3%
180441	201.04	202.84	204.63	203.04	23.00	04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	202.888	1.469	0.7%
180453	165.33	165.77	165.35	165.93	15.00	13/03/2018	17/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	165.595	0.302	0.2%
180458	592.00	581.00	605.00	281.46	80.00	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	514.865	155.912	30.3%
180470	162.00	166.00	161.00	157.00	8.00	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	161.500	3.697	2.3%
180471	139.74	137.90	136.74	139.29	32.56	26/03/2018	09/04/2018	/ - ASE (1ère extraction : 90% dichlorométhane amylène / 10% méthanol 2ème extraction : 50% dichlorométhane amylène / 50% acétone) - HPLC / fluo	138.418	1.365	1.0%
180476	176.92	174.19	173.30	174.47	1.78	28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	174.720	1.549	0.9%
180477	167.19	164.74	162.95	162.64	20.00	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	164.380	2.090	1.3%
180479	152.07	153.61	141.61	142.87	38.00	29/03/2018	04/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	147.540	6.174	4.2%
180481	88.30	87.10	88.50	87.00	27.00	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	87.725	0.785	0.9%
180486	166.40	167.40	163.80	163.60	35.00	21/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	165.300	1.894	1.1%
180496	178.43	177.38	174.81	178.90	4.00	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	177.380	1.827	1.0%

Table 18 - 18/172774 F1 - Dibenzo[a,h]anthracene - Raw data in ng/filter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty y %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	37.23	37.80	35.25	36.30	38.00	23/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (extraction à l'hexane/éther diéthylique (90/10)) - GC/MS	36.645	1.117	3.0%
180405	34.00	33.90	35.90	34.80	20.00	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	34.650	0.926	2.7%
180415	43.43	41.08	43.12	41.45	12.00	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	42.270	1.177	2.8%
180429	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180430	55.01	52.07	46.47	42.33	14.25	26/03/2018	29/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	48.970	5.670	11.6%
180437	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180441	42.46	42.07	43.31	44.46	22.00	04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	43.075	1.059	2.5%
180453	22.02	18.58	18.97	18.85	10.00	13/03/2018	17/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	19.605	1.618	8.3%
180458	206.70	0.00	0.00	1 890.00	80.00	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	1 048.350	1 190.273	113.5%
180470	17.60	18.10	16.50	18.60	8.00	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	17.700	0.898	5.1%
180471	21.08	20.32	21.70	19.91	33.20	26/03/2018	09/04/2018	/ - ASE (1ère extraction : 90% dichlorométhane amylène / 10% méthanol 2ème extraction : 50% dichlorométhane amylène / 50% acétone) - HPLC / fluo	20.753	0.796	3.8%
180476	48.04	49.11	45.47	50.10	8.28	28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	48.180	1.993	4.1%
180477	37.51	38.39	37.37	36.97	20.00	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	37.560	0.599	1.6%
180479	49.81	52.71	51.97	55.87	45.00	29/03/2018	04/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	52.590	2.509	4.8%
180481	23.70	24.00	23.80	24.60	26.00	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	24.025	0.403	1.7%
180486	44.30	47.70	47.20	46.50	35.00	21/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	46.425	1.500	3.2%
180496	39.27	39.28	39.03	38.45	1.00	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	39.008	0.389	1.0%

Table 19 - 18/172774 F1 - Fluoranthene - Raw data in ng/filter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertain y %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	152.73	150.75	150.98	147.58	31.00	23/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (extraction à l'hexane/éther diéthylique (90/10)) - GC/MS	150.510	2.144	1.4%
180405	148.90	148.30	147.90	149.10	20.00	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	148.550	0.551	0.4%
180415	201.47	200.10	200.20	199.02	35.00	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	200.198	1.003	0.5%
180429	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180430	261.96	263.36	262.54	277.98	1.93	26/03/2018	29/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	266.460	7.701	2.9%
180437	173.00	172.00	173.00	171.00	30.00	04/04/2018	07/04/2018	EN 15549 - ASE (dichlorométhane/hexane) - UPLC/Fluo	172.250	0.957	0.6%
180441	232.26	234.54	235.17	232.72	9.00	04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	233.673	1.402	0.6%
180453	200.41	201.24	200.59	198.30	10.00	13/03/2018	17/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	200.135	1.274	0.6%
180458	1 131.00	1 062.00	972.00	723.60	70.00	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	972.150	178.029	18.3%
180470	324.00	322.00	310.00	317.00	15.00	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	318.250	6.238	2.0%
180471	180.96	177.58	174.83	178.93	18.99	26/03/2018	09/04/2018	/ - ASE (1ère extraction : 90% dichlorométhane amylène / 10% méthanol 2ème extraction : 50% dichlorométhane amylène / 50% acétone) - HPLC / fluo	178.075	2.571	1.4%
180476	203.70	202.19	197.78	205.24	3.18	28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	202.228	3.216	1.6%
180477	214.58	208.09	215.11	213.99	20.00	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	212.943	3.267	1.5%
180479	197.17	218.10	199.55	183.32	36.00	29/03/2018	04/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	199.535	14.297	7.2%
180481	337.00	331.00	336.00	330.00	24.00	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	333.500	3.512	1.1%
180486	221.20	230.80	226.30	217.70	35.00	21/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	224.000	5.746	2.6%
180496	166.01	166.36	170.38	165.63	6.00	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	167.095	2.210	1.3%

Table 20 - 18/172774 F1 - Indeno[1,2,3 - c,d]pyrene - Raw data in ng/filter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertain y %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	185.73	190.80	180.75	187.58	34.00	23/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (extraction à l'hexane/éther diéthylique (90/10)) - GC/MS	186.215	4.203	2.3%
180405	216.80	217.90	218.30	223.20	25.00	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	219.050	2.838	1.3%
180415	249.67	250.15	250.77	251.31	19.00	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	250.475	0.716	0.3%
180429	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180430	349.98	316.69	286.51	267.58	16.50	26/03/2018	29/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	305.190	36.064	11.8%
180437	270.00	290.00	284.00	279.00	35.00	04/04/2018	07/04/2018	EN 15549 - ASE (dichlorométhane/hexane) - UPLC/Fluo	280.750	8.461	3.0%
180441	326.44	319.62	324.47	330.22	9.00	04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	325.188	4.412	1.4%
180453	330.56	327.90	328.24	330.01	10.00	13/03/2018	17/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	329.178	1.306	0.4%
180458	884.00	1 156.00	1 027.00	942.60	80.00	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	1 002.400	118.029	11.8%
180470	273.00	295.00	288.00	304.00	7.00	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	290.000	13.089	4.5%
180471	229.07	232.44	226.77	240.93	44.60	26/03/2018	09/04/2018	/ - ASE (1ère extraction : 90% dichlorométhane amylène / 10% méthanol 2ème extraction : 50% dichlorométhane amylène / 50% acétone) - HPLC / fluo	232.303	6.205	2.7%
180476	356.96	337.95	342.00	346.12	4.72	28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	345.758	8.179	2.4%
180477	212.07	214.88	212.14	209.63	20.00	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	212.180	2.145	1.0%
180479	243.67	221.44	206.95	232.78	36.00	29/03/2018	04/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	226.210	15.724	7.0%
180481	211.00	205.00	206.00	218.00	27.00	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	210.000	5.944	2.8%
180486	589.80	618.50	626.50	635.00	35.00	21/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	617.450	19.626	3.2%
180496	282.82	280.17	281.77	281.92	4.00	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	281.670	1.102	0.4%

Table 21 - 18/172774 F1 - Phenanthrene - Raw data in ng/filter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertain y %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	64.73	64.88	64.28	64.40	43.00	23/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (extraction à l'hexane/éther diéthylique (90/10)) - GC/MS	64.573	0.280	0.4%
180405	74.00	73.80	73.90	72.10	25.00	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	73.450	0.904	1.2%
180415	97.97	98.56	98.37	98.22	28.00	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	98.280	0.249	0.3%
180429	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180430	114.95	115.67	118.76	127.76	1.47	26/03/2018	29/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	119.285	5.887	4.9%
180437	238.00	237.00	234.00	222.00	30.00	04/04/2018	07/04/2018	EN 15549 - ASE (dichlorométhane/hexane) - UPLC/Fluo	232.750	7.365	3.2%
180441	99.36	93.38	97.42	93.80	7.00	04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	95.990	2.887	3.0%
180453	146.11	147.78	146.09	145.70	10.00	13/03/2018	17/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	146.420	0.926	0.6%
180458	2 202.00	1 860.00	2 043.00	2 287.00	70.00	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	2 098.000	188.154	9.0%
180470	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180471	156.66	156.10	155.47	165.51	34.89	26/03/2018	09/04/2018	/ - ASE (1ère extraction : 90% dichlorométhane amylène / 10% méthanol 2ème extraction : 50% dichlorométhane amylène / 50% acétone) - HPLC / fluo	158.435	4.742	3.0%
180476	97.70	95.75	100.00	97.52	3.56	28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	97.743	1.743	1.8%
180477	94.53	95.16	92.42	95.24	20.00	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	94.338	1.317	1.4%
180479	83.24	81.23	88.48	71.02	26.00	29/03/2018	04/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	80.993	7.317	9.0%
180481	55.70	54.90	55.40	55.00	27.00	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	55.250	0.370	0.7%
180486	83.70	73.90	76.10	80.60	35.00	21/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	78.575	4.410	5.6%
180496	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 22 - 18/172774 F1 - Observations

Lab ID.	Observations
180402	extraction à l'hexane/éther diéthylique (90/10)
180405	Obs Filtre F1
180415	
180429	
180430	BbF and BjF data are not individual compounds but together. ?BbjF result are: Replicate 1: 1310.10 Replicate 2: 1226.94 Replicate 3: 1221.25 Replicate 4: 1165.49 Uncertainty value (k=2)=14.90% These uncertainty values have been calculated by internal control (for BbjF, phenanthrene and fluoranthene)
180437	Inteférent sur le DiBenzo(a,h)anthracene pas de résultat
180441	incertitudes selon la norme NF 11352
180453	
180458	
180470	
180471	1ère extraction : 90% dichlorométhane amyène / 10% méthanol 2ème extraction : 50% dichlorométhane amyène / 50% acétone
180476	
180477	
180479	benzo(k)= j+k
180481	Norme NFX43-294
180486	
180496	

Tablex 23 - 18/172774 - F2 - Benzo[a]anthracene - Raw data in ng/filter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertain y %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	138.85	135.58	135.50	135.75	31.00	23/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (extraction à l'hexane/éther diéthylique (90/10)) - GC/MS	136.420	1.623	1.2%
180405	202.10	201.30	200.80	202.10	20.00	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	201.575	0.640	0.3%
180415	168.71	167.42	169.42	169.40	55.00	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	168.738	0.938	0.6%
180429	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180430	276.04	268.48	279.74	283.64	8.11	26/03/2018	30/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	276.975	6.458	2.3%
180437	155.00	156.00	157.00	157.00	30.00	04/04/2018	07/04/2018	EN 15549 - ASE (dichlorométhane/hexane) - UPLC/Fluo	156.250	0.957	0.6%
180441	244.33	232.04	242.81	241.93	19.00	04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	240.278	5.580	2.3%
180453	185.75	185.99	185.52	186.94	15.00	13/03/2018	17/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	186.050	0.624	0.3%
180458	1 214.15	1 120.30	713.50	716.31	70.00	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	941.065	263.945	28.0%
180470	173.00	186.00	182.00	173.00	12.00	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	178.500	6.557	3.7%
180471	146.07	135.46	155.18	133.50	13.15	26/03/2018	09/04/2018	/ - ASE (1ère extraction : 90% dichlorométhane amylène / 10% méthanol 2ème extraction : 50% dichlorométhane amylène / 50% acétone) - HPLC / fluo	142.553	10.068	7.1%
180476	249.77	269.59	249.07	263.11	7.92	23/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	257.885	10.130	3.9%
180477	156.36	156.97	156.76	156.05	20.00	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	156.535	0.411	0.3%
180479	139.13	152.04	159.80	158.94	45.00	29/03/2018	04/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	152.478	9.552	6.3%
180481	110.00	109.00	108.00	108.00	27.00	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	108.750	0.957	0.9%
180486	167.10	174.20	168.30	171.00	35.00	21/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	170.150	3.154	1.9%
180496	163.02	164.10	160.07	164.59	4.00	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	162.945	2.026	1.2%

Table 24 - 18/172774 - F2 - Benzo[a]pyrene - Raw data in ng/filter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertain y %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	200.20	197.90	192.58	198.55	29.00	23/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (extraction à l'hexane/éther diéthylique (90/10)) - GC/MS	197.308	3.297	1.7%
180405	276.40	276.70	276.80	276.10	25.00	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	276.500	0.316	0.1%
180415	265.76	265.24	266.52	267.52	32.00	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	266.260	0.991	0.4%
180429	356.80	315.50	316.00	326.60		26/03/2018	26/03/2018	EN 15549 - Ultrasons (hexane) - GC/MS/MS	328.725	19.404	5.9%
180430	299.69	305.32	309.99	296.80	12.55	26/03/2018	30/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	302.950	5.877	1.9%
180437	233.00	233.00	230.00	231.00	30.00	04/04/2018	07/04/2018	EN 15549 - ASE (dichlorométhane/hexane) - UPLC/Fluo	231.750	1.500	0.6%
180441	379.50	386.76	381.61	382.22	29.00	04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	382.523	3.056	0.8%
180453	288.98	290.00	290.30	289.22	17.00	13/03/2018	17/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	289.625	0.626	0.2%
180458	1 026.00	1 122.75	2 783.00	2 770.00	50.00	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	1 925.438	983.530	51.1%
180470	292.00	305.00	302.00	290.00	10.00	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	297.250	7.365	2.5%
180471	219.26	204.91	229.59	199.21	35.14	26/03/2018	09/04/2018	/ - ASE (1ère extraction : 90% dichlorométhane amylène / 10% méthanol 2ème extraction : 50% dichlorométhane amylène / 50% acétone) - HPLC / fluo	213.243	13.782	6.5%
180476	282.47	287.14	281.60	283.89	1.72	23/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	283.775	2.434	0.9%
180477	232.95	231.53	231.23	229.34	20.00	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	231.263	1.485	0.6%
180479	201.33	219.62	218.11	221.43	33.00	29/03/2018	04/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	215.123	9.295	4.3%
180481	169.00	170.00	177.00	178.00	27.00	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	173.500	4.655	2.7%
180486	266.70	269.40	267.40	270.10	35.00	21/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	268.400	1.610	0.6%
180496	271.00	273.35	271.69	270.00	4.00	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	271.510	1.409	0.5%

Table 25 - 18/172774 - F2 - Benzo[b]fluoranthene - Raw data in ng/filter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertain y %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	229.55	226.35	225.83	230.28	29.00	23/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (extraction à l'hexane/éther diéthylique (90/10)) - GC/MS	228.003	2.238	1.0%
180405	286.90	286.70	288.20	279.50	30.00	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	285.325	3.940	1.4%
180415	273.63	273.26	272.72	273.88	37.00	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	273.373	0.504	0.2%
180429	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180430	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180437	244.00	248.00	250.00	249.00	30.00	04/04/2018	07/04/2018	EN 15549 - ASE (dichlorométhane/hexane) - UPLC/Fluo	247.750	2.630	1.1%
180441	400.84	401.75	402.31	403.92	6.00	04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	402.205	1.294	0.3%
180453	359.92	360.85	358.23	361.12	10.00	13/03/2018	17/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	360.030	1.305	0.4%
180458	817.50	1 440.00	2 588.00	0.00	80.00	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	1 615.167	898.154	55.6%
180470	312.00	318.00	315.00	292.00	9.00	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	309.250	11.758	3.8%
180471	241.44	226.85	253.53	219.92	31.52	26/03/2018	09/04/2018	/ - ASE (1ère extraction : 90% dichlorométhane amylène / 10% méthanol 2ème extraction : 50% dichlorométhane amylène / 50% acétone) - HPLC / fluo	235.435	15.032	6.4%
180476	340.80	346.84	339.54	338.14	2.24	23/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	341.330	3.831	1.1%
180477	265.24	261.67	262.11	259.58	20.00	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	262.150	2.337	0.9%
180479	342.39	405.55	397.48	410.31	31.00	29/03/2018	04/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	388.933	31.477	8.1%
180481	226.00	206.00	216.00	215.00	27.00	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	215.750	8.180	3.8%
180486	227.20	227.30	235.90	223.20	35.00	21/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	228.400	5.352	2.3%
180496	455.97	452.48	450.99	459.99	5.00	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	454.858	4.008	0.9%

Table 26 - 18/172774 - F2 - Benzo[g,h,i]perylene - Raw data in ng/filter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty y %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	142.78	144.70	143.88	141.85	36.00	23/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (extraction à l'hexane/éther diéthylique (90/10)) - GC/MS	143.303	1.248	0.9%
180405	195.80	195.20	195.00	193.40	20.00	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	194.850	1.025	0.5%
180415	229.72	230.01	230.69	231.47	21.00	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	230.473	0.779	0.3%
180429	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180430	229.05	217.99	220.66	208.99	16.83	26/03/2018	30/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	219.173	8.264	3.8%
180437	187.00	181.00	181.00	181.00	30.00	04/04/2018	07/04/2018	EN 15549 - ASE (dichlorométhane/hexane) - UPLC/Fluo	182.500	3.000	1.6%
180441	315.63	318.39	319.73	321.39	4.00	04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	318.785	2.435	0.8%
180453	264.57	261.10	262.02	263.90	15.00	13/03/2018	17/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	262.898	1.613	0.6%
180458	906.00	939.00	0.00	0.00	70.00	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	922.500	23.335	2.5%
180470	260.00	283.00	284.00	312.00	8.00	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	284.750	21.282	7.5%
180471	211.76	201.83	218.42	192.63	28.17	26/03/2018	09/04/2018	/ - ASE (1ère extraction : 90% dichlorométhane amylène / 10% méthanol 2ème extraction : 50% dichlorométhane amylène / 50% acétone) - HPLC / fluo	206.160	11.306	5.5%
180476	235.44	239.83	240.30	242.66	2.52	23/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	239.558	3.011	1.3%
180477	201.84	196.18	194.37	191.64	20.00	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	196.008	4.313	2.2%
180479	185.65	189.14	184.31	175.51	36.00	29/03/2018	04/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	183.653	5.798	3.2%
180481	197.00	197.00	203.00	199.00	27.00	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	199.000	2.828	1.4%
180486	57.70	60.90	57.90	60.30	35.00	21/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	59.200	1.637	2.8%
180496	240.50	241.90	244.04	242.57	3.00	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	242.253	1.471	0.6%

Table 27 - 18/172774 - F2 - Benzo[j]fluoranthene - Raw data in ng/filter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty y %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	136.48	133.68	131.60	135.00	21.00	23/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (extraction à l'hexane/éther diéthylique (90/10)) - GC/MS	134.190	2.071	1.5%
180405	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180415	0.00	0.00	0.00	0.00	0.00				0.000	0.000	Pb. Moy.=0
180429	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180430	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180437	132.00	130.00	132.00	133.00	35.00	04/04/2018	07/04/2018	EN 15549 - ASE (dichlorométhane/hexane) - UPLC/Fluo	131.750	1.258	1.0%
180441	251.75	254.61	253.33	254.58	16.00	04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	253.568	1.351	0.5%
180453	298.71	298.89	299.47	296.84	15.00	13/03/2018	17/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	298.478	1.139	0.4%
180458	0.00	0.00	0.00	0.00	0.00				0.000	0.000	Pb. Moy.=0
180470	204.00	199.00	192.00	205.00	8.00	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	200.000	5.944	3.0%
180471	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180476	348.80	353.30	350.93	350.87	1.04	23/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	350.975	1.839	0.5%
180477	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180479	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180481	249.00	251.00	248.00	252.00	27.00	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	250.000	1.826	0.7%
180486	150.50	142.10	145.80	151.80	35.00	21/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	147.550	4.455	3.0%
180496	147.63	146.63	146.60	148.83	50.00	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	147.423	1.053	0.7%

Table 28 - 18/172774 - F2 - Benzo[k]fluoranthene - Raw data in ng/filter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertain y %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	97.95	95.38	93.00	95.15	29.00	23/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (extraction à l'hexane/éther diéthylique (90/10)) - GC/MS	95.370	2.027	2.1%
180405	158.20	159.50	156.10	155.10	30.00	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	157.225	1.992	1.3%
180415	128.49	130.58	131.43	131.43	40.00	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	130.483	1.387	1.1%
180429	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180430	1 027.28	1 088.67	1 083.95	1 053.06	17.23	26/03/2018	30/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	1 063.240	28.707	2.7%
180437	114.00	114.00	113.00	115.00	30.00	04/04/2018	07/04/2018	EN 15549 - ASE (dichlorométhane/hexane) - UPLC/Fluo	114.000	0.816	0.7%
180441	183.57	187.50	190.16	188.96	23.00	04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	187.548	2.866	1.5%
180453	129.80	130.45	130.34	130.43	15.00	13/03/2018	17/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	130.255	0.307	0.2%
180458	2 212.00	2 740.00	388.05	237.45	80.00	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	1 394.375	1 268.908	91.0%
180470	136.00	142.00	142.00	133.00	8.00	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	138.250	4.500	3.3%
180471	97.10	90.87	103.05	88.63	32.56	26/03/2018	09/04/2018	/ - ASE (1ère extraction : 90% dichlorométhane amylène / 10% méthanol 2ème extraction : 50% dichlorométhane amylène / 50% acétone) - HPLC / fluo	94.913	6.502	6.9%
180476	136.78	138.70	136.66	136.35	1.56	23/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	137.123	1.067	0.8%
180477	123.33	123.38	122.27	123.20	20.00	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	123.045	0.522	0.4%
180479	90.83	104.82	106.92	114.50	38.00	29/03/2018	04/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	104.268	9.876	9.5%
180481	92.50	94.10	93.50	92.90	27.00	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	93.250	0.700	0.8%
180486	122.90	125.90	126.60	126.10	35.00	21/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	125.375	1.676	1.3%
180496	134.56	134.06	135.40	135.35	4.00	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	134.843	0.648	0.5%

Table 29 - 18/172774 - F2 - Dibenzo[a,h]anthracene - Raw data in ng/filter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty y %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	37.68	37.23	37.90	38.18	38.00	23/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (extraction à l'hexane/éther diéthylique (90/10)) - GC/MS	37.748	0.401	1.1%
180405	33.10	32.60	33.00	32.80	20.00	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	32.875	0.222	0.7%
180415	30.84	34.30	32.34	34.82	12.00	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	33.075	1.833	5.5%
180429	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180430	45.73	47.43	43.35	42.27	14.25	26/03/2018	30/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	44.695	2.327	5.2%
180437	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180441	40.10	39.93	39.53	39.68	22.00	04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	39.810	0.254	0.6%
180453	19.08	18.64	18.64	17.84	10.00	13/03/2018	17/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	18.550	0.517	2.8%
180458	0.00	0.00	0.00	0.00	50.00				0.000	0.000	Pb. Moy.=0
180470	12.20	13.50	13.80	17.20	8.00	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	14.175	2.133	15.0%
180471	14.72	13.31	15.70	13.48	33.20	26/03/2018	09/04/2018	/ - ASE (1ère extraction : 90% dichlorométhane amylène / 10% méthanol 2ème extraction : 50% dichlorométhane amylène / 50% acétone) - HPLC / fluo	14.303	1.124	7.9%
180476	39.33	36.12	36.59	34.74	10.48	23/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	36.695	1.924	5.2%
180477	28.28	28.06	27.59	27.59	20.00	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	27.880	0.347	1.2%
180479	40.99	39.48	38.80	39.89	45.00	29/03/2018	04/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	39.790	0.918	2.3%
180481	33.90	33.60	32.90	32.60	26.00	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	33.250	0.603	1.8%
180486	30.20	31.40	31.60	31.10	35.00	21/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	31.075	0.618	2.0%
180496	31.28	31.59	31.26	31.00	1.00	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	31.283	0.241	0.8%

Table 30 - 18/172774 - F2 - Fluoranthene - Raw data in ng/filter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertain y %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	109.83	112.85	112.03	111.58	31.00	23/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (extraction à l'hexane/éther diéthylique (90/10)) - GC/MS	111.573	1.275	1.1%
180405	124.80	125.30	125.30	123.70	20.00	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	124.775	0.754	0.6%
180415	127.55	127.69	127.26	127.63	35.00	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	127.533	0.191	0.1%
180429	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180430	175.97	183.75	173.90	177.12	1.06	26/03/2018	30/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	177.685	4.257	2.4%
180437	98.00	100.00	98.00	95.00	30.00	04/04/2018	07/04/2018	EN 15549 - ASE (dichlorométhane/hexane) - UPLC/Fluo	97.750	2.062	2.1%
180441	186.77	190.15	190.36	188.35	9.00	04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	188.908	1.687	0.9%
180453	130.86	129.73	129.88	130.08	10.00	13/03/2018	17/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	130.138	0.503	0.4%
180458	521.50	530.25	1 539.00	1 997.20	70.00	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	1 146.988	741.201	64.6%
180470	216.00	206.00	209.00	212.00	15.00	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	210.750	4.272	2.0%
180471	102.85	93.52	105.34	93.85	18.99	26/03/2018	09/04/2018	/ - ASE (1ère extraction : 90% dichlorométhane amylène / 10% méthanol 2ème extraction : 50% dichlorométhane amylène / 50% acétone) - HPLC / fluo	98.890	6.097	6.2%
180476	133.44	129.78	125.72	128.93	4.90	23/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	129.468	3.173	2.5%
180477	138.50	138.91	136.26	135.37	20.00	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	137.260	1.716	1.3%
180479	93.27	105.68	119.96	100.07	36.00	29/03/2018	04/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	104.745	11.342	10.8%
180481	91.50	110.00	110.00	106.00	24.00	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	104.375	8.788	8.4%
180486	128.70	133.10	129.00	131.50	35.00	21/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	130.575	2.100	1.6%
180496	116.14	116.73	117.35	115.13	6.00	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	116.338	0.945	0.8%

Table 31 - 18/172774 - F2 - Indeno[1,2,3 - c,d]pyrene - Raw data in ng/filter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertain y %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	185.73	187.88	188.95	185.75	34.00	23/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (extraction à l'hexane/éther diéthylique (90/10)) - GC/MS	187.078	1.605	0.9%
180405	217.20	216.50	214.70	214.00	25.00	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	215.600	1.499	0.7%
180415	199.07	199.02	201.72	202.59	19.00	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	200.600	1.830	0.9%
180429	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180430	303.21	290.97	280.03	271.44	16.50	26/03/2018	30/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	286.413	13.758	4.8%
180437	188.00	190.00	198.00	200.00	35.00	04/04/2018	07/04/2018	EN 15549 - ASE (dichlorométhane/hexane) - UPLC/Fluo	194.000	5.888	3.0%
180441	320.04	324.05	322.17	307.41	9.00	04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	318.418	7.519	2.4%
180453	264.47	264.62	264.78	262.67	10.00	13/03/2018	17/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	264.135	0.985	0.4%
180458	900.00	939.00	0.00	0.00	80.00	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	919.500	27.577	3.0%
180470	236.00	225.00	245.00	227.00	7.00	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	233.250	9.179	3.9%
180471	175.70	163.06	190.82	161.38	44.60	26/03/2018	09/04/2018	/ - ASE (1ère extraction : 90% dichlorométhane amylène / 10% méthanol 2ème extraction : 50% dichlorométhane amylène / 50% acétone) - HPLC / fluo	172.740	13.643	7.9%
180476	273.58	271.55	282.33	267.69	4.52	23/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	273.788	6.197	2.3%
180477	166.36	163.46	164.00	162.46	20.00	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	164.070	1.655	1.0%
180479	160.10	162.12	153.99	155.16	36.00	29/03/2018	04/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	157.843	3.891	2.5%
180481	196.00	203.00	195.00	206.00	27.00	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	200.000	5.354	2.7%
180486	582.30	587.90	593.80	590.60	35.00	21/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	588.650	4.872	0.8%
180496	229.81	225.81	224.71	226.57	4.00	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	226.725	2.194	1.0%

Table 32- 18/172774 - F2 - Phenanthrene - Raw data in ng/filter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertain y %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	45.40	45.88	45.18	45.65	43.00	23/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (extraction à l'hexane/éther diéthylique (90/10)) - GC/MS	45.528	0.303	0.7%
180405	54.40	54.00	54.30	55.60	25.00	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	54.575	0.704	1.3%
180415	57.16	57.36	57.68	57.62	28.00	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	57.455	0.241	0.4%
180429	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180430	59.56	65.41	57.54	67.38	1.17	26/03/2018	30/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	62.473	4.673	7.5%
180437	113.00	110.00	111.00	112.00	30.00	04/04/2018	07/04/2018	EN 15549 - ASE (dichlorométhane/hexane) - UPLC/Fluo	111.500	1.291	1.2%
180441	81.90	81.54	84.32	80.06	7.00	04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	81.955	1.766	2.2%
180453	84.75	85.33	83.59	84.30	10.00	13/03/2018	17/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	84.493	0.735	0.9%
180458	303.95	291.65	2 381.50	1 682.15	70.00	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	1 164.813	1 041.067	89.4%
180470	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
180471	54.11	39.61	50.73	44.02	34.89	26/03/2018	09/04/2018	/ - ASE (1ère extraction : 90% dichlorométhane amylène / 10% méthanol 2ème extraction : 50% dichlorométhane amylène / 50% acétone) - HPLC / fluo	47.118	6.529	13.9%
180476	63.13	64.38	64.90	63.87	2.36	23/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	64.070	0.755	1.2%
180477	63.14	63.10	63.27	61.11	20.00	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	62.655	1.033	1.6%
180479	48.02	44.87	52.90	42.04	26.00	29/03/2018	04/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	46.958	4.654	9.9%
180481	71.60	78.40	75.60	76.80	27.00	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	75.600	2.903	3.8%
180486	30.50	33.30	32.10	32.50	35.00	21/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	32.100	1.178	3.7%
180496	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 33- 18/172774 - F2 - Observations

Lab ID.	Observations
180402	extraction à l'hexane/éther diéthylique (90/10)
180405	Obs Filtre F2
180415	
180429	
180430	BbF and BjF data are not individual compounds but together. ?BbjF result are: Replicate 1: 1264.84 Replicate 2: 1289.25 Replicate 3: 1219.67 Replicate 4: 1207.71 Uncertainty value (k=2)=9.56% These uncertainty values have been calculated by internal control (for BbjF, phenanthrene and fluoranthene)
180437	Inteférent sur le DiBenzo(a,h)anthracene pas de résultat
180441	incertitudes selon la norme NF 11352
180453	
180458	
180470	
180471	1ère extraction : 90% dichlorométhane amylène / 10% méthanol 2ème extraction : 50% dichlorométhane amylène / 50% acétone
180476	
180477	
180479	benzo(k)= j+k
180481	Norme NFX43-294
180486	
180496	

Table 34 - 18/172774 - MRC1 - Benzo[a]anthracene - Raw data in µg/g

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty y %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	0.56	0.56	0.57	0.56	31	26/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (hexane/éther diéthylique (90/10)) - GC/MS	0.563	0.005	0.9%
180405	1.14	1.14	1.14	1.14	20	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	1.140	0.000	0.0%
180415	0.82	0.81	0.80	0.82	55	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	0.813	0.010	1.2%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	0.37	0.35	0.35	0.37	0.22	26/03/2018	31/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	0.360	0.012	3.2%
180437	0.90	0.88	0.88	0.90	30	09/04/2018	16/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	0.890	0.012	1.3%
180441	1.04	1.03	1.04	1.03	19	04/04/2018	05/04/2018	Faites votre choix - ASE (dichlorométhane) - GC/MS	1.035	0.006	0.6%
180453	1.19	1.21	1.14	1.20	15	13/03/2018	23/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	1.185	0.031	2.6%
180458	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180470	0.97	1.00	0.97	1.02	12	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	0.990	0.024	2.5%
180471	1.12	1.13	1.43	1.17	13.15	26/03/2018	09/04/2018	/ - ASE (1ère extraction : 90% dichlorométhane amylène / 10% méthanol 2ème extraction : 50% dichlorométhane amylène / 50% acétone) - HPLC / fluo	1.213	0.147	12.1%
180476	1.82	1.72	1.77	1.71	6.16	23/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	1.755	0.051	2.9%
180477	0.71	0.72	0.70	0.73	20	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	0.715	0.013	1.8%
180479	0.73	1.03	1.03	1.05	45			Non renseigné	0.960	0.154	16.0%
180481	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180486	0.74	0.74	0.73	0.75	35	26/03/2018	28/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	0.740	0.008	1.1%
180496	0.81	0.82	0.80	0.82	4	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	0.813	0.010	1.2%

Table 35 - 18/172774 - MRC1 - Benzo[a]pyrene - Raw data in µg/g

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	0.43	0.43	0.43	0.43	29	26/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (hexane/éther diéthylique (90/10)) - GC/MS	0.430	0.000	0.0%
180405	0.82	0.81	0.82	0.82	25	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	0.818	0.005	0.6%
180415	0.68	0.68	0.62	0.67	32	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	0.663	0.029	4.3%
180429	1.04	1.07	0.94	1.06		26/03/2018	26/03/2018	EN 15549 - Ultrasons (hexane) - GC/MS/MS	1.028	0.060	5.8%
180430	0.14	0.15	0.15	0.16	0.14	26/03/2018	31/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	0.150	0.008	5.4%
180437	0.65	0.61	0.61	0.63	30	09/04/2018	16/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	0.625	0.019	3.1%
180441	0.82	0.81	0.82	0.82	29	04/04/2018	05/04/2018	Faites votre choix - ASE (dichlorométhane) - GC/MS	0.818	0.005	0.6%
180453	0.86	0.87	0.88	0.88	17	13/03/2018	23/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	0.873	0.010	1.1%
180458	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180470	0.61	0.60	0.55	0.64	10	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	0.600	0.037	6.2%
180471	0.53	0.54	0.60	0.52	35.14	26/03/2018	09/04/2018	/ - ASE (1ère extraction : 90% dichlorométhane amylène / 10% méthanol 2ème extraction : 50% dichlorométhane amylène / 50% acétone) - HPLC / fluo	0.548	0.036	6.6%
180476	0.84	0.87	0.84	0.76	11.06	23/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	0.828	0.047	5.7%
180477	0.55	0.56	0.55	0.55	20	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	0.553	0.005	0.9%
180479	0.72	0.72	0.68	0.81	33			Non renseigné	0.733	0.055	7.5%
180481	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180486	0.58	0.60	0.59	0.62	35	26/03/2018	28/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	0.598	0.017	2.9%
180496	0.69	0.69	0.69	0.68	4	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	0.688	0.005	0.7%

Table 36 - 18/172774 - MRC1 - Benzo[b]fluoranthene - Raw data in µg/g

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	1.01	1.01	1.02	1.03	29	26/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (hexane/éther diéthylique (90/10)) - GC/MS	1.018	0.010	0.9%
180405	1.83	1.84	1.80	1.84	30	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	1.828	0.019	1.0%
180415	1.46	1.45	1.45	1.46	37	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	1.455	0.006	0.4%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180437	1.39	1.41	1.41	1.41	30	09/04/2018	16/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	1.405	0.010	0.7%
180441	1.74	1.74	1.75	1.72	6	04/04/2018	05/04/2018	Faites votre choix - ASE (dichlorométhane) - GC/MS	1.738	0.013	0.7%
180453	2.17	2.15	2.15	2.18	10	13/03/2018	23/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	2.163	0.015	0.7%
180458	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180470	1.24	1.40	1.24	1.49	9	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	1.343	0.124	9.2%
180471	1.40	1.75	1.77	1.59	31.52	26/03/2018	09/04/2018	/ - ASE (1ère extraction : 90% dichlorométhane amyène / 10% méthanol 2ème extraction : 50% dichlorométhane amyène / 50% acétone) - HPLC / fluo	1.628	0.172	10.6%
180476	1.87	1.78	1.71	1.80	7.39	23/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	1.790	0.066	3.7%
180477	1.30	1.30	1.28	1.29	20	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	1.293	0.010	0.7%
180479	2.23	2.41	2.46	2.35	31			Non renseigné	2.363	0.099	4.2%
180481	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180486	1.03	1.18	1.13	1.21	35	26/03/2018	28/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	1.138	0.079	6.9%
180496	2.01	1.96	1.95	1.96	5	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	1.970	0.027	1.4%

Tablex 37- 18/172774 - MRC1 - Benzo[g,h,i]perylene - Raw data in µg/g

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	0.91	0.88	0.88	0.87	36	26/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (hexane/éther diéthylique (90/10)) - GC/MS	0.885	0.017	2.0%
180405	1.51	1.52	1.49	1.48	20	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	1.500	0.018	1.2%
180415	1.74	1.73	1.74	1.70	21	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	1.728	0.019	1.1%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	0.15	0.15	0.15	0.15	0.08	26/03/2018	31/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	0.150	0.000	0.0%
180437	1.35	1.35	1.37	1.43	30	09/04/2018	16/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	1.375	0.038	2.8%
180441	1.84	1.84	1.85	1.84	4	04/04/2018	05/04/2018	Faites votre choix - ASE (dichlorométhane) - GC/MS	1.843	0.005	0.3%
180453	2.10	2.16	2.09	2.15	15	13/03/2018	23/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	2.125	0.035	1.7%
180458	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180470	1.67	1.70	1.74	1.76	8	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	1.718	0.040	2.3%
180471	1.56	1.49	1.65	1.48	28.17	26/03/2018	09/04/2018	/ - ASE (1ère extraction : 90% dichlorométhane amylène / 10% méthanol 2ème extraction : 50% dichlorométhane amylène / 50% acétone) - HPLC / fluo	1.545	0.079	5.1%
180476	1.66	1.61	1.62	1.62	2.88	23/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	1.628	0.022	1.4%
180477	1.34	1.33	1.33	1.35	20	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	1.338	0.010	0.7%
180479	1.85	1.90	1.87	1.80	36			Non renseigné	1.855	0.042	2.3%
180481	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180486	0.33	0.33	0.35	0.37	35	26/03/2018	28/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	0.345	0.019	5.6%
180496	1.53	1.57	1.55	1.56	3	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	1.553	0.017	1.1%

Table 38 - 18/172774 - MRC1 - Benzo[j]fluoranthene - Raw data in µg/g

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertain ty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	0.41	0.40	0.41	0.42	21	26/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (hexane/éther diéthylique (90/10)) - GC/MS	0.410	0.008	2.0%
180405	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180415	0.00	0.00	0.00	0.00	0	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	0.000	0.000	Pb. Moy.=0
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180437	0.69	0.58	0.67	0.58	35	09/04/2018	16/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	0.630	0.058	9.3%
180441	0.82	0.82	0.84	0.86	16	04/04/2018	05/04/2018	Faites votre choix - ASE (dichlorométhane) - GC/MS	0.835	0.019	2.3%
180453	0.99	1.01	1.00	1.00	15	13/03/2018	23/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	1.000	0.008	0.8%
180458	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180470	0.65	0.73	0.65	0.64	8	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	0.668	0.042	6.3%
180471	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180476	1.65	1.67	1.66	1.70	2.22	23/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	1.670	0.022	1.3%
180477	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180479	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180481	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180486	0.42	0.42	0.40	0.41	35	26/03/2018	28/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	0.413	0.010	2.3%
180496	0.66	0.66	0.65	0.66	50	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	0.658	0.005	0.8%

Table 39 - 18/172774 - MRC1 - Benzo[k]fluoranthene - Raw data in µg/g

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	0.41	0.40	0.40	0.40	29	26/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (hexane/éther diéthylique (90/10)) - GC/MS	0.403	0.005	1.2%
180405	0.76	0.75	0.77	0.77	30	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	0.763	0.010	1.3%
180415	0.85	0.68	0.67	0.67	40	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	0.718	0.088	12.3%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	0.63	0.59	0.58	0.70	1.33	26/03/2018	31/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	0.625	0.054	8.7%
180437	0.60	0.60	0.60	0.61	30	09/04/2018	16/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	0.603	0.005	0.8%
180441	0.71	0.77	0.77	0.75	23	04/04/2018	05/04/2018	Faites votre choix - ASE (dichlorométhane) - GC/MS	0.750	0.028	3.8%
180453	0.75	0.75	0.76	0.76	15	13/03/2018	23/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	0.755	0.006	0.8%
180458	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180470	0.66	0.60	0.62	0.64	8	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	0.630	0.026	4.1%
180471	0.53	0.53	0.57	0.53	32.56	26/03/2018	09/04/2018	/ - ASE (1ère extraction : 90% dichlorométhane amylène / 10% méthanol 2ème extraction : 50% dichlorométhane amylène / 50% acétone) - HPLC / fluo	0.540	0.020	3.7%
180476	0.65	0.65	0.64	0.64	1.88	23/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	0.645	0.006	0.9%
180477	0.61	0.61	0.61	0.61	20	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	0.610	0.000	0.0%
180479	0.68	0.73	0.69	0.70	38			Non renseigné	0.700	0.022	3.1%
180481	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180486	0.55	0.53	0.53	0.55	35	26/03/2018	28/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	0.540	0.012	2.1%
180496	0.64	0.67	0.67	0.67	4	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	0.663	0.015	2.3%

Table 40 - 18/172774 - MRC1 - Dibenzo[a,h]anthracene - Raw data in µg/g

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	0.19	0.18	0.18	0.19	38	26/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (hexane/éther diéthylique (90/10)) - GC/MS	0.185	0.006	3.1%
180405	0.27	0.27	0.27	0.27	20	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	0.270	0.000	0.0%
180415	0.21	0.20	0.20	0.22	12	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	0.208	0.010	4.6%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	0.02	0.02	0.02	0.02	0.03	26/03/2018	31/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	0.020	0.000	0.0%
180437	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180441	0.17	0.18	0.18	0.17	22	04/04/2018	05/04/2018	Faites votre choix - ASE (dichlorométhane) - GC/MS	0.175	0.006	3.3%
180453	0.18	0.18	0.19	0.19	10	13/03/2018	23/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	0.185	0.006	3.1%
180458	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180470	<0.20	<0.20	<0.20	<0.20	17	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	0.200	0.000	0.0%
180471	0.03	0.04	0.03	0.03	33.2	26/03/2018	09/04/2018	/ - ASE (1ère extraction : 90% dichlorométhane amylène / 10% méthanol 2ème extraction : 50% dichlorométhane amylène / 50% acétone) - HPLC / fluo	0.033	0.005	15.4%
180476	<0.50	<0.50	<0.50	<0.50		23/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	0.500	0.000	0.0%
180477	0.27	0.27	0.27	0.27	20	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	0.270	0.000	0.0%
180479	0.31	0.29	0.32	0.32	45			Non renseigné	0.310	0.014	4.6%
180481	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180486	0.16	0.16	0.15	0.16	35	26/03/2018	28/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	0.158	0.005	3.2%
180496	0.16	0.16	0.15	0.15	1	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	0.155	0.006	3.7%

Table 41 - 18/172774 - MRC1 - Fluoranthene - Raw data in µg/g

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	3.35	3.37	3.42	3.35	31	26/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (hexane/éther diéthylique (90/10)) - GC/MS	3.373	0.033	1.0%
180405	3.95	3.96	3.94	3.95	20	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	3.950	0.008	0.2%
180415	4.33	4.33	4.36	4.34	35	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	4.340	0.014	0.3%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	1.18	1.15	1.14	1.17	0.51	26/03/2018	31/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	1.160	0.018	1.6%
180437	4.15	4.04	4.11	4.10	30	09/04/2018	16/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	4.100	0.045	1.1%
180441	5.17	5.13	5.01	5.02	9	04/04/2018	05/04/2018	Faites votre choix - ASE (dichlorométhane) - GC/MS	5.083	0.080	1.6%
180453	5.12	5.14	5.12	5.17	10	13/03/2018	23/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	5.138	0.024	0.5%
180458	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180470	4.71	4.61	4.76	4.60	15	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	4.670	0.078	1.7%
180471	4.00	4.01	4.39	4.02	18.99	26/03/2018	09/04/2018	/ - ASE (1ère extraction : 90% dichlorométhane amylène / 10% méthanol 2ème extraction : 50% dichlorométhane amylène / 50% acétone) - HPLC / fluo	4.105	0.190	4.6%
180476	4.47	4.63	4.56	4.50	3	23/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	4.540	0.071	1.6%
180477	4.37	4.31	4.31	4.31	20	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	4.325	0.030	0.7%
180479	4.67	5.09	5.03	4.43	36			Non renseigné	4.805	0.311	6.5%
180481	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180486	3.30	3.28	3.27	3.35	35	26/03/2018	28/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	3.300	0.036	1.1%
180496	4.43	4.43	4.42	4.40	6	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	4.420	0.014	0.3%

Table 42 - 18/172774 - MRC1 - Indeno[1,2,3 - c,d]pyrene - Raw data in µg/g

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	0.77	0.79	0.79	0.78	34	26/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (hexane/éther diéthylique (90/10)) - GC/MS	0.783	0.010	1.2%
180405	1.27	1.26	1.26	1.27	25	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	1.265	0.006	0.5%
180415	1.05	0.97	1.02	0.97	19	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	1.003	0.039	3.9%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	0.13	0.14	0.13	0.13	0.07	26/03/2018	31/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	0.133	0.005	3.8%
180437	0.87	0.87	0.92	0.90	35	09/04/2018	16/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	0.890	0.024	2.8%
180441	1.24	1.19	1.20	1.20	9	04/04/2018	05/04/2018	Faites votre choix - ASE (dichlorométhane) - GC/MS	1.208	0.022	1.8%
180453	1.36	1.43	1.37	1.38	10	13/03/2018	23/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	1.385	0.031	2.2%
180458	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180470	1.11	1.19	1.18	1.26	7	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	1.185	0.061	5.2%
180471	0.79	0.76	0.80	0.76	44.6	26/03/2018	09/04/2018	/ - ASE (1ère extraction : 90% dichlorométhane amylène / 10% méthanol 2ème extraction : 50% dichlorométhane amylène / 50% acétone) - HPLC / fluo	0.778	0.021	2.7%
180476	1.28	1.32	1.28	1.29	2.98	23/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	1.293	0.019	1.5%
180477	0.75	0.73	0.74	0.74	20	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	0.740	0.008	1.1%
180479	1.08	0.95	1.00	1.04	36			Non renseigné	1.018	0.056	5.5%
180481	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180486	1.45	1.37	1.36	1.42	35	26/03/2018	28/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	1.400	0.042	3.0%
180496	0.97	1.01	0.98	0.99	4	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	0.988	0.017	1.7%

Table 43 - 18/172774 - MRC1 - Phenanthrene - Raw data in µg/g

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	1.30	1.30	1.31	1.27	43	26/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (hexane/éther diéthylique (90/10)) - GC/MS	1.295	0.017	1.3%
180405	1.82	1.82	1.81	1.83	25	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	1.820	0.008	0.4%
180415	1.94	1.97	1.97	1.96	28	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	1.960	0.014	0.7%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	0.40	0.50	0.49	0.50	1.25	26/03/2018	31/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	0.473	0.049	10.3%
180437	1.93	1.89	1.91	1.93	30	09/04/2018	16/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	1.915	0.019	1.0%
180441	2.35	2.35	2.36	2.36	7	04/04/2018	05/04/2018	Faites votre choix - ASE (dichlorométhane) - GC/MS	2.355	0.006	0.2%
180453	2.64	2.64	2.65	2.66	10	13/03/2018	23/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	2.648	0.010	0.4%
180458	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180470	2.19	2.67	2.14	2.72	20	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	2.430	0.307	12.6%
180471	2.16	2.16	2.43	2.24	34.89	26/03/2018	09/04/2018	/ - ASE (1ère extraction : 90% dichlorométhane amylène / 10% méthanol 2ème extraction : 50% dichlorométhane amylène / 50% acétone) - HPLC / fluo	2.248	0.127	5.7%
180476	2.26	2.15	2.12	2.12	1.9	23/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	2.163	0.067	3.1%
180477	1.76	1.78	1.77	1.77	20	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	1.770	0.008	0.5%
180479	1.89	1.98	1.96	1.58	26			Non renseigné	1.853	0.186	10.0%
180481	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180486	1.62	1.60	1.58	1.59	35	26/03/2018	28/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	1.598	0.017	1.1%
180496	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA

Table 44 - 18/172774 - MRC1 - Raw data in µg/g

Lab ID.	Observation
180402	extraction à l'hexane/éther diéthylique (90/10)
180405	Obs Poussière MRC1
180415	
180429	
180430	BbF and BjF data are not individual compounds but together. ?BbjF result are: Replicate 1: 0.91 Replicate 2: 0.79 Replicate 3: 0.96 Replicate 4: 0.92 Uncertainty value (k=2)=1.81%
180437	Inteférent sur le DiBenzo(a,h)anthracene pas de résultat
180441	incertitudes selon la norme NF 11352
180453	Les résultats sont rendus sur une prise d'essai de 50 mg, directement à partir du flacon, le lendemain de la réception (conservation à 5°C±3°C). Le laboratoire ne possède pas d'enceinte de stockage capable de réguler la température, le taux d'humidité, et d'assurer la non contamination des flacons ouverts comme demandé dans les consignes. Pour se rapprocher de ces consignes, nous avons utilisé un dessiccateur équipé d'une sonde de suivi de température et d'humidité. Le flacon a bien été ouvert et le stockage a duré 4 jours (pendant le Week End). Nous avons eu des difficultés à maintenir un taux d'humidité entre 45 et 50 % (Valeurs comprises entre 50-80%). Nous pourrions, vous fournir le graphique de suivi de la température et du taux d'humidité. La comparaison des données montre une perte de plus de 10% pour l'analyse des poussières exposées aux conditions prescrites ci-dessus, des composés suivants : benzo(a)anthracène, benzo(j)Fluoranthene, benzo(g,h,i)pérylène et indéno(1,2,3-c,d)pyrène. Les résultats peuvent vous être fournis sur demande.
180458	
180470	prise essai 67.7 mg
180471	1ère extraction : 90% dichlorométhane amylène / 10% méthanol 2ème extraction : 50% dichlorométhane amylène / 50% acétone
180476	
180477	
180479	benzo(k)= j+k
180481	Suite à un problème lors de la préparation des échantillons, aucun résultat ne pourra être rendu
180486	
180496	

Table 45 - 18/172774 - MRC2 - Benzo[a]anthracene - Raw data in µg/g

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	0.58	0.58	0.58	0.58	31	26/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (hexane/éther diéthylique (90/10)) - GC/MS	0.580	0.000	0.0%
180405	1.06	1.06	1.06	1.05	20	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	1.058	0.005	0.5%
180415	0.77	0.79	0.77	0.77	55	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	0.775	0.010	1.3%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	0.34	0.35	0.34	0.33	0.2	26/03/2018	31/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	0.340	0.008	2.4%
180437	0.97	0.97	0.97	0.97	30	09/04/2018	16/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	0.970	0.000	0.0%
180441	1.09	1.11	1.11	1.09	19	04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	1.100	0.012	1.0%
180453	1.08	1.06	1.05	1.09	15	13/03/2018	23/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	1.070	0.018	1.7%
180458	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180470	1.04	1.06	1.07	1.11	12	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	1.070	0.029	2.8%
180471	1.95	1.79	1.99	1.88	13.15	26/03/2018	09/04/2018	/ - ASE (1ère extraction : 90% dichlorométhane amylène / 10% méthanol 2ème extraction : 50% dichlorométhane amylène / 50% acétone) - HPLC / fluo	1.903	0.088	4.6%
180476	1.85	1.76	1.80	1.80	3.96	23/03/2018	31/12/1969	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	1.803	0.037	2.0%
180477	0.73	0.73	0.72	0.72	20	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	0.725	0.006	0.8%
180479	0.74	1.04	1.05	0.95	45	29/03/2018	04/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	0.945	0.144	15.2%
180481	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180486	0.78	0.78	0.77	0.75	35	26/03/2018	28/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	0.770	0.014	1.8%
180496	0.81	0.83	0.82	0.82	4	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	0.820	0.008	1.0%

Table 46 - 18/172774 - MRC2 - Benzo[a]pyrene - Raw data in µg/g

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	0.45	0.45	0.45	0.45	29	26/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (hexane/éther diéthylique (90/10)) - GC/MS	0.450	0.000	0.0%
180405	0.74	0.75	0.73	0.75	25	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	0.743	0.010	1.3%
180415	0.64	0.65	0.63	0.67	32	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	0.648	0.017	2.6%
180429	1.00	0.88	0.85	0.83		26/03/2018	26/03/2018	EN 15549 - Ultrasons (hexane) - GC/MS/MS	0.890	0.076	8.6%
180430	0.15	0.15	0.15	0.16	0.11	26/03/2018	31/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	0.153	0.005	3.3%
180437	0.67	0.69	0.67	0.69	30	09/04/2018	16/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	0.680	0.012	1.7%
180441	0.87	0.86	0.86	0.86	29	04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	0.863	0.005	0.6%
180453	0.82	0.83	0.82	0.81	17	13/03/2018	23/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	0.820	0.008	1.0%
180458	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180470	0.71	0.65	0.68	0.74	10	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	0.695	0.039	5.6%
180471	0.74	0.70	0.74	0.72	35.14	26/03/2018	09/04/2018	/ - ASE (1ère extraction : 90% dichlorométhane amylène / 10% méthanol 2ème extraction : 50% dichlorométhane amylène / 50% acétone) - HPLC / fluo	0.725	0.019	2.6%
180476	0.85	0.84	0.87	0.86	3.18	23/03/2018	31/12/1969	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	0.855	0.013	1.5%
180477	0.56	0.57	0.57	0.55	20	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	0.563	0.010	1.7%
180479	0.72	0.80	0.72	0.71	33	29/03/2018	04/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	0.738	0.042	5.7%
180481	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180486	0.62	0.62	0.62	0.61	35	26/03/2018	28/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	0.618	0.005	0.8%
180496	0.69	0.69	0.68	0.69	4	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	0.688	0.005	0.7%

Table 47 - 18/172774 - MRC2 - Benzo[b]fluoranthene - Raw data in µg/g

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	1.04	1.06	1.04	1.05	29	26/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (hexane/éther diéthylique (90/10)) - GC/MS	1.048	0.010	0.9%
180405	1.38	1.40	1.39	1.38	30	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	1.388	0.010	0.7%
180415	1.49	1.46	1.46	1.47	37	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	1.470	0.014	1.0%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180437	1.55	1.53	1.53	1.53	30	09/04/2018	16/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	1.535	0.010	0.7%
180441	1.85	1.83	1.83	1.85	6	04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	1.840	0.012	0.6%
180453	1.96	1.97	1.97	1.96	10	13/03/2018	23/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	1.965	0.006	0.3%
180458	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180470	1.42	1.58	1.52	1.61	9	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	1.533	0.084	5.5%
180471	1.79	2.07	2.16	1.97	31.52	26/03/2018	09/04/2018	/ - ASE (1ère extraction : 90% dichlorométhane amylène / 10% méthanol 2ème extraction : 50% dichlorométhane amylène / 50% acétone) - HPLC / fluo	1.998	0.159	7.9%
180476	1.72	1.70	1.73	1.91	11.26	23/03/2018	31/12/1969	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	1.765	0.097	5.5%
180477	1.30	1.30	1.31	1.30	20	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	1.303	0.005	0.4%
180479	2.18	2.52	2.31	2.57	31	29/03/2018	04/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	2.395	0.182	7.6%
180481	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180486	1.25	1.13	1.32	1.32	35	26/03/2018	28/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	1.255	0.090	7.1%
180496	1.99	1.98	1.96	1.98	5	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	1.978	0.013	0.6%

Table 48 - 18/172774 - MRC2 - Benzo[g,h,i]perylene - Raw data in µg/g

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	0.87	0.88	0.88	0.88	36	26/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (hexane/éther diéthylique (90/10)) - GC/MS	0.878	0.005	0.6%
180405	1.27	1.26	1.26	1.27	20	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	1.265	0.006	0.5%
180415	1.71	1.68	1.68	1.72	21	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	1.698	0.021	1.2%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	0.13	0.13	0.13	0.13	0.02	26/03/2018	31/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	0.130	0.000	0.0%
180437	1.46	1.53	1.67	1.52	30	09/04/2018	16/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	1.545	0.089	5.8%
180441	1.99	2.00	2.00	1.99	4	04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	1.995	0.006	0.3%
180453	1.93	1.89	1.90	1.84	15	13/03/2018	23/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	1.890	0.037	2.0%
180458	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180470	1.86	1.88	1.84	1.81	8	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	1.848	0.030	1.6%
180471	1.78	1.69	1.82	1.79	28.17	26/03/2018	09/04/2018	/ - ASE (1ère extraction : 90% dichlorométhane amylène / 10% méthanol 2ème extraction : 50% dichlorométhane amylène / 50% acétone) - HPLC / fluo	1.770	0.056	3.2%
180476	1.68	1.74	1.72	1.72	2.86	23/03/2018	31/12/1969	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	1.715	0.025	1.5%
180477	1.32	1.36	1.34	1.35	20	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	1.343	0.017	1.3%
180479	1.90	1.87	1.98	1.92	36	29/03/2018	04/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	1.918	0.046	2.4%
180481	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180486	0.32	0.38	0.35	0.31	35	26/03/2018	28/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	0.340	0.032	9.3%
180496	1.56	1.54	1.56	1.57	3	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	1.558	0.013	0.8%

Table 49 - 18/172774 - MRC2 - Benzo[j]fluoranthene - Raw data in µg/g

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	0.41	0.42	0.42	0.42	21	26/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (hexane/éther diéthylique (90/10)) - GC/MS	0.418	0.005	1.2%
180405	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180415	0.00	0.00	0.00	0.00	0	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	0.000	0.000	Pb. Moy.=0
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180437	0.75	0.67	0.73	0.69	35	09/04/2018	16/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	0.710	0.037	5.1%
180441	0.87	0.85	0.87	0.90	16	04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	0.873	0.021	2.4%
180453	0.97	0.96	0.97	0.97	15	13/03/2018	23/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	0.968	0.005	0.5%
180458	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180470	0.67	0.79	0.61	0.75	8	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	0.705	0.081	11.4%
180471	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180476	1.67	1.67	1.77	1.74	5.9	23/03/2018	31/12/1969	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	1.713	0.051	3.0%
180477	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180479	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180481	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180486	0.37	0.43	0.38	0.42	35	26/03/2018	28/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	0.400	0.029	7.4%
180496	0.66	0.66	0.66	0.66	50	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	0.660	0.000	0.0%

Table 50 - 18/172774 - MRC2 - Benzo[k]fluoranthene - Raw data in µg/g

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	0.42	0.41	0.42	0.41	29	26/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (hexane/éther diéthylique (90/10)) - GC/MS	0.415	0.006	1.4%
180405	0.64	0.64	0.62	0.61	30	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	0.628	0.015	2.4%
180415	0.62	0.67	0.64	0.73	40	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	0.665	0.048	7.2%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	0.61	0.63	0.59	0.64	0.55	26/03/2018	31/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	0.618	0.022	3.6%
180437	0.65	0.67	0.65	0.65	30	09/04/2018	16/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	0.655	0.010	1.5%
180441	0.81	0.75	0.81	0.82	23	04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	0.798	0.032	4.0%
180453	0.70	0.70	0.70	0.70	15	13/03/2018	23/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	0.700	0.000	0.0%
180458	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180470	0.65	0.68	0.68	0.70	8	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	0.678	0.021	3.0%
180471	0.70	0.74	0.70	0.78	32.56	26/03/2018	09/04/2018	/ - ASE (1ère extraction : 90% dichlorométhane amylène / 10% méthanol 2ème extraction : 50% dichlorométhane amylène / 50% acétone) - HPLC / fluo	0.730	0.038	5.2%
180476	0.69	0.67	0.68	0.67	1.8	23/03/2018	31/12/1969	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	0.678	0.010	1.4%
180477	0.59	0.61	0.62	0.60	20	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	0.605	0.013	2.1%
180479	0.73	0.70	0.70	0.69	38	29/03/2018	04/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	0.705	0.017	2.5%
180481	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180486	0.53	0.53	0.52	0.54	35	26/03/2018	28/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	0.530	0.008	1.5%
180496	0.66	0.67	0.68	0.66	4	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	0.668	0.010	1.4%

Table 51 - 18/172774 - MRC2 - Dibenzo[a,h]anthracene - Raw data in µg/g

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	0.18	0.19	0.18	0.19	38	26/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (hexane/éther diéthylique (90/10)) - GC/MS	0.185	0.006	3.1%
180405	0.18	0.19	0.18	0.19	20	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	0.185	0.006	3.1%
180415	0.20	0.18	0.22	0.19	12	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	0.198	0.017	8.6%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	0.02	0.02	0.02	0.02	0.01	26/03/2018	31/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	0.020	0.000	0.0%
180437	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180441	0.18	0.18	0.18	0.18	22	04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	0.180	0.000	0.0%
180453	0.18	0.18	0.19	0.18	10	13/03/2018	23/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	0.183	0.005	2.7%
180458	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180470	<0.20	<0.20	<0.20	<0.20	17	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	0.200	0.000	0.0%
180471	0.05	0.05	0.05	0.05	33.2	26/03/2018	09/04/2018	/ - ASE (1ère extraction : 90% dichlorométhane amylène / 10% méthanol 2ème extraction : 50% dichlorométhane amylène / 50% acétone) - HPLC / fluo	0.050	0.000	0.0%
180476	<0.50	<0.50	<0.50	<0.50		23/03/2018	31/12/1969	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	0.500	0.000	0.0%
180477	0.27	0.27	0.27	0.27	20	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	0.270	0.000	0.0%
180479	0.35	0.32	0.31	0.33	45	29/03/2018	04/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	0.328	0.017	5.2%
180481	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180486	0.17	0.16	0.17	0.17	35	26/03/2018	28/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	0.168	0.005	3.0%
180496	0.15	0.15	0.16	0.15	1	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	0.153	0.005	3.3%

Table 52 - 18/172774 - MRC2 - Fluoranthene - Raw data in µg/g

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	3.94	3.99	4.00	3.93	31	26/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (hexane/éther diéthylique (90/10)) - GC/MS	3.965	0.035	0.9%
180405	3.92	3.92	3.92	3.94	20	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	3.925	0.010	0.3%
180415	4.41	4.39	4.41	4.41	35	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	4.405	0.010	0.2%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	1.11	1.13	1.12	1.11	0.2	26/03/2018	31/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	1.118	0.010	0.9%
180437	4.43	4.38	4.27	4.51	30	09/04/2018	16/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	4.398	0.100	2.3%
180441	5.43	5.40	5.45	5.42	9	04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	5.425	0.021	0.4%
180453	4.71	4.73	4.71	4.74	10	13/03/2018	23/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	4.723	0.015	0.3%
180458	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180470	4.61	4.86	4.76	4.71	15	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	4.735	0.104	2.2%
180471	6.29	5.77	6.36	6.11	18.99	26/03/2018	09/04/2018	/ - ASE (1ère extraction : 90% dichlorométhane amylène / 10% méthanol 2ème extraction : 50% dichlorométhane amylène / 50% acétone) - HPLC / fluo	6.133	0.264	4.3%
180476	4.77	4.65	4.79	4.90	4.34	23/03/2018	31/12/1969	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	4.778	0.102	2.1%
180477	4.29	4.30	4.31	4.21	20	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	4.278	0.046	1.1%
180479	3.46	5.37	4.90	4.57	36	29/03/2018	04/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	4.575	0.813	17.8%
180481	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180486	3.53	3.48	3.48	3.50	35	26/03/2018	28/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	3.498	0.024	0.7%
180496	4.45	4.44	4.43	4.41	6	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	4.433	0.017	0.4%

Table 53 - 18/172774 - MRC2 - Indeno[1,2,3 - c,d]pyrene - Raw data in µg/g

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	0.78	0.80	0.79	0.80	34	26/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (hexane/éther diéthylique (90/10)) - GC/MS	0.793	0.010	1.2%
180405	1.00	1.01	0.98	0.98	25	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	0.993	0.015	1.5%
180415	0.96	0.97	1.00	0.98	19	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	0.978	0.017	1.7%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	0.11	0.11	0.11	0.11	0.03	26/03/2018	31/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	0.110	0.000	0.0%
180437	1.03	1.03	1.05	1.03	35	09/04/2018	16/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	1.035	0.010	1.0%
180441	1.31	1.31	1.36	1.35	9	04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	1.333	0.026	2.0%
180453	1.25	1.25	1.24	1.27	10	13/03/2018	23/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	1.253	0.013	1.0%
180458	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180470	1.11	1.19	1.18	1.24	7	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	1.180	0.054	4.5%
180471	0.98	0.93	0.98	0.97	44.6	26/03/2018	09/04/2018	/ - ASE (1ère extraction : 90% dichlorométhane amylène / 10% méthanol 2ème extraction : 50% dichlorométhane amylène / 50% acétone) - HPLC / fluo	0.965	0.024	2.5%
180476	1.29	1.32	1.36	1.32	4.56	23/03/2018	31/12/1969	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	1.323	0.029	2.2%
180477	0.73	0.75	0.74	0.74	20	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	0.740	0.008	1.1%
180479	1.10	1.02	1.07	1.12	36	29/03/2018	04/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	1.078	0.043	4.0%
180481	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180486	0.93	0.97	1.08	1.26	35	26/03/2018	28/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	1.060	0.148	13.9%
180496	0.98	0.98	0.98	0.98	4	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	0.980	0.000	0.0%

Table 54 - 18/172774 - MRC2 - Phenanthrene - Raw data in µg/g

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	1.36	1.43	1.38	1.43	43	26/03/2018	06/04/2018	EN 15549 + XP CEN/TS 16645 - Soxhlet (hexane/éther diéthylique (90/10)) - GC/MS	1.400	0.036	2.5%
180405	1.80	1.81	1.81	1.80	25	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS/MS	1.805	0.006	0.3%
180415	2.00	1.99	2.00	2.00	28	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	1.998	0.005	0.3%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	0.44	0.44	0.44	0.47	0.37	26/03/2018	31/03/2018	EN 15549 - ASE (dichlorométhane) - GC/MS	0.448	0.015	3.4%
180437	1.98	1.96	2.02	2.04	30	09/04/2018	16/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	2.000	0.037	1.8%
180441	2.59	2.59	2.58	2.60	7	04/04/2018	05/04/2018	/ - ASE (dichlorométhane) - GC/MS	2.590	0.008	0.3%
180453	2.43	2.43	2.42	2.42	10	13/03/2018	23/03/2018	EN 15549 - Soxhlet (dichlorométhane) - HPLC / fluo	2.425	0.006	0.2%
180458	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180470	2.67	2.72	2.86	3.06	20	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - HPLC / fluo	2.828	0.175	6.2%
180471	3.80	3.43	3.77	3.75	34.89	26/03/2018	09/04/2018	/ - ASE (1ère extraction : 90% dichlorométhane amylène / 10% méthanol 2ème extraction : 50% dichlorométhane amylène / 50% acétone) - HPLC / fluo	3.688	0.173	4.7%
180476	2.06	2.08	2.08	2.08	0.8	23/03/2018	31/12/1969	EN 15549 + XP CEN/TS 16645 - ASE (dichlorométhane) - UPLC/Fluo	2.075	0.010	0.5%
180477	1.77	1.78	1.79	1.76	20	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	1.775	0.013	0.7%
180479	2.28	2.15	2.28	1.85	26	29/03/2018	04/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	2.140	0.203	9.5%
180481	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180486	1.65	1.61	1.62	1.64	35	26/03/2018	28/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	1.630	0.018	1.1%
180496	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA

Table 55 - 18/172774 - MRC2 - Observations

Lab ID.	Observations
180402	extraction à l'hexane/éther diéthylique (90/10)
180405	Obs Poussière MRC2
180415	
180429	
180430	BbF and BjF data are not individual compounds but together. ?BbjF result are: Replicate 1: 0.99 Replicate 2: 0.96 Replicate 3: 0.98 Replicate 4: 0.97 Uncertainty value (k=2)=0.24%
180437	Inteférent sur le DiBenzo(a,h)anthracene pas de résultat
180441	incertitudes selon la norme NF 11352
180453	Les résultats sont rendus sur une prise d'essai de 50 mg, directement à partir du flacon, le lendemain de la réception (conservation à 5°C±3°C). Le laboratoire ne possède pas d'enceinte de stockage capable de réguler la température, le taux d'humidité, et d'assurer la non contamination des flacons ouverts comme demandé dans les consignes. Pour se rapprocher de ces consignes, nous avons utilisé un dessiccateur équipé d'une sonde de suivi de température et d'humidité. Le flacon a bien été ouvert et le stockage a duré 4 jours (pendant le Week End). Nous avons eu des difficultés à maintenir un taux d'humidité entre 45 et 50 % (Valeurs comprises entre 50-80%). Nous pourrions, vous fournir le graphique de suivi de la température et du taux d'humidité. La comparaison des données montre une perte de plus de 10% pour l'analyse des poussières exposées aux conditions prescrites ci-dessus, des composés suivants : benzo(a)anthracène, benzo(j)Fluoranthene, benzo(g,h,i)pérylène et indéno(1,2,3-c,d)pyrène. Les résultats peuvent vous être fournis sur demande.
180458	
180470	prise essai 72.2mg
180471	1ère extraction : 90% dichlorométhane amylène / 10% méthanol 2ème extraction : 50% dichlorométhane amylène / 50% acétone
180476	
180477	
180479	benzo(k)= j+k
180481	Suite à un problème lors de la préparation des échantillons, aucun résultat ne pourra être rendu
180486	
180496	

Table 56 - 18/172774 - S1 - Benzo[a]anthracene - Raw data in µg/liter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	318.30	317.70	318.00	323.60	10	03/04/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Injection directe après ajout d'étalons internes - GC/MS	319.400	2.811	0.9%
180405	260.30	260.10	257.60	260.40	20	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - Injection directe + dilution (acétonitrile) - GC/MS/MS	259.600	1.339	0.5%
180415	295.00	296.00	295.00	297.00	55	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	295.750	0.957	0.3%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	344.14	304.34	297.28	285.91	6.33	30/03/2018	30/03/2018	EN 15549 - / - GC/MS	307.918	25.314	8.2%
180437	292.00	293.00	293.00	293.00	20	06/04/2018	06/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	292.750	0.500	0.2%
180441	316.71	318.68	318.09	316.82	11	04/04/2018	05/04/2018	/ - GC/MS	317.575	0.967	0.3%
180453	279.03	279.70	279.91	280.52	5	16/03/2018	16/03/2018	EN 15549 - injection directe de la solution. - HPLC / fluo	279.790	0.615	0.2%
180458	258.20	275.80	257.80	258.20	50	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	262.500	8.869	3.4%
180470	291.95	283.97	282.44	280.41	12	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - pas d'extraction - seulement dilution de l'étalon ds ACN. - HPLC / fluo	284.693	5.053	1.8%
180471	179.80	176.99	172.63	172.14	9.98	26/03/2018	09/04/2018	/ - / - HPLC / fluo	175.390	3.660	2.1%
180476	<5.00	<5.00	<5.00	<5.00		28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - injection de l'extrait en direct - UPLC/Fluo	5.000	0.000	0.0%
180477	267.33	269.52	265.17	266.93	20	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	267.238	1.788	0.7%
180479	358.99	328.50	310.42	310.80	45	29/03/2018	03/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	327.178	22.824	7.0%
180481	221.00	226.00	225.00	222.00	27	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	223.500	2.380	1.1%
180486	284.90	281.40	282.10	280.70	35	22/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	282.275	1.841	0.7%
180496	152.12	152.28	155.47	157.02	4	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	154.223	2.420	1.6%

Table 57 - 18/172774 - S1 - Benzo[a]pyrene - Raw data in µg/liter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	432.20	444.50	424.80	416.40	10	03/04/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Injection directe après ajout d'étalons internes - GC/MS	429.475	11.916	2.8%
180405	333.20	333.60	334.00	327.90	25	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - Injection directe + dilution (acétonitrile) - GC/MS/MS	332.175	2.869	0.9%
180415	456.00	456.00	457.00	463.00	32	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	458.000	3.367	0.7%
180429	315.40	304.50	296.30	294.00		26/03/2018	26/03/2018	EN 15549 - Ultrasons (hexane) - GC/MS/MS	302.550	9.680	3.2%
180430	360.55	345.52	343.81	332.29	2.9	30/03/2018	30/03/2018	EN 15549 - / - GC/MS	345.543	11.603	3.4%
180437	398.00	400.00	400.00	400.00	16	06/04/2018	06/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	399.500	1.000	0.3%
180441	415.23	413.92	416.14	416.90	9	04/04/2018	05/04/2018	/ - GC/MS	415.548	1.282	0.3%
180453	377.61	379.77	380.22	380.48	5	16/03/2018	16/03/2018	EN 15549 - injection directe de la solution. - HPLC / fluo	379.520	1.307	0.3%
180458	569.92	1 926.00	2 764.80	2 504.00	80	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	1 941.180	979.064	50.4%
180470	410.88	408.71	403.14	404.98	10	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - pas d'extraction - seulement dilution de l'étalon ds ACN. - HPLC / fluo	406.928	3.509	0.9%
180471	401.75	373.24	367.33	364.18	13.94	26/03/2018	09/04/2018	/ - / - HPLC / fluo	376.625	17.166	4.6%
180476	399.88	402.28	403.91	403.02	0.86	28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - injection de l'extrait en direct - UPLC/Fluo	402.273	1.729	0.4%
180477	362.98	366.91	361.59	361.95	20	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	363.358	2.440	0.7%
180479	447.17	433.92	426.86	417.25	33	29/03/2018	03/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	431.300	12.594	2.9%
180481	304.00	297.00	305.00	298.00	27	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	301.000	4.082	1.4%
180486	375.40	374.30	374.70	378.00	35	22/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	375.600	1.663	0.4%
180496	200.81	198.87	203.48	197.38	4	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	200.135	2.635	1.3%

Table 58 - 18/172774 - S1 - Benzo[b]fluoranthene - Raw data in µg/liter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	636.10	635.10	637.10	632.00	10	03/04/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Injection directe après ajout d'étalons internes - GC/MS	635.075	2.207	0.3%
180405	445.40	426.50	433.00	424.80	30	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - Injection directe + dilution (acétonitrile) - GC/MS/MS	432.425	9.344	2.2%
180415	620.00	616.00	620.00	630.00	37	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	621.500	5.972	1.0%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180437	550.00	540.00	540.00	550.00	18	06/04/2018	06/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	545.000	5.774	1.1%
180441	558.74	565.37	564.92	554.59	4	04/04/2018	05/04/2018	/ - GC/MS	560.905	5.184	0.9%
180453	549.44	547.97	548.34	545.35	5	16/03/2018	16/03/2018	EN 15549 - injection directe de la solution. - HPLC / fluo	547.775	1.733	0.3%
180458	5 094.00	3 382.00	4 445.60	3 869.60	80	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	4 197.800	738.878	17.6%
180470	553.82	542.74	545.96	539.64	9	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - pas d'extraction - seulement dilution de l'étalon ds ACN. - HPLC / fluo	545.540	6.093	1.1%
180471	529.64	517.53	514.70	508.25	22.07	26/03/2018	09/04/2018	/ - / - HPLC / fluo	517.530	8.959	1.7%
180476	567.03	564.88	566.31	566.15	0.32	28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - injection de l'extrait en direct - UPLC/Fluo	566.093	0.894	0.2%
180477	524.84	522.76	521.24	527.16	20	21/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	524.000	2.572	0.5%
180479	907.57	875.99	881.72	909.23	31	29/03/2018	03/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	893.628	17.231	1.9%
180481	431.00	425.00	437.00	432.00	27	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	431.250	4.924	1.1%
180486	523.50	522.00	527.00	525.80	35	22/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	524.575	2.249	0.4%
180496	425.34	412.93	415.89	424.14	5	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	419.575	6.105	1.5%

Table 59 - 18/172774 - S1 - Benzo[g,h,i]perylene - Raw data in µg/liter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	699.80	727.00	719.70	703.70	10	03/04/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Injection directe après ajout d'étalons internes - GC/MS	712.550	12.920	1.8%
180405	354.80	358.50	354.90	354.50	20	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - Injection directe + dilution (acétonitrile) - GC/MS/MS	355.675	1.891	0.5%
180415	407.00	408.00	408.00	409.00	21	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	408.000	0.816	0.2%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	203.05	203.93	206.92	194.20	1.37	30/03/2018	30/03/2018	EN 15549 - / - GC/MS	202.025	5.473	2.7%
180437	395.00	395.00	395.00	396.00	18	06/04/2018	06/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	395.250	0.500	0.1%
180441	398.14	399.68	399.51	397.66	4	04/04/2018	05/04/2018	/ - GC/MS	398.748	1.000	0.3%
180453	430.52	432.69	432.85	432.69	5	16/03/2018	16/03/2018	EN 15549 - injection directe de la solution. - HPLC / fluo	432.188	1.114	0.3%
180458	318.40	413.92	7 729.60		80	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	2 820.640	4 251.552	150.7%
180470	447.86	434.12	431.20	443.93	8	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - pas d'extraction - seulement dilution de l'étalon ds ACN. - HPLC / fluo	439.278	7.898	1.8%
180471	448.81	417.77	399.91	394.42	19.08	26/03/2018	09/04/2018	/ - / - HPLC / fluo	415.228	24.507	5.9%
180476	400.77	402.26	408.40	412.11	2.62	28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - injection de l'extrait en direct - UPLC/Fluo	405.885	5.303	1.3%
180477	385.46	386.04	388.88	383.94	20	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	386.080	2.066	0.5%
180479	453.09	467.97	438.95	436.46	36	29/03/2018	03/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	449.118	14.546	3.2%
180481	286.00	284.00	288.00	287.00	27	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	286.250	1.708	0.6%
180486	391.30	388.00	386.70	389.20	35	22/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	388.800	1.954	0.5%
180496	219.44	218.39	220.22	220.35	3	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	219.600	0.901	0.4%

Table 60 - 18/172774 - S1 - Benzo[j]fluoranthene - Raw data in µg/liter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	393.00	390.00	399.30	394.60	10	03/04/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Injection directe après ajout d'étalons internes - GC/MS	394.225	3.884	1.0%
180405	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180415	0.00	0.00	0.00	0.00	0	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	0.000	0.000	Pb. Moy.=0
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180437	285.00	289.00	287.00	293.00	21	06/04/2018	06/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	288.500	3.416	1.2%
180441	283.72	297.02	286.10	288.90	11	04/04/2018	05/04/2018	/ - GC/MS	288.935	5.791	2.0%
180453	269.04	269.65	268.78	270.61	5	16/03/2018	16/03/2018	EN 15549 - injection directe de la solution. - HPLC / fluo	269.520	0.813	0.3%
180458	0.00	0.00	0.00	0.00	0	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	0.000	0.000	Pb. Moy.=0
180470	269.62	277.21	267.71	283.71	8	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - pas d'extraction - seulement dilution de l'étalon ds ACN. - HPLC / fluo	274.563	7.350	2.7%
180471	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180476	565.36	562.49	564.60	564.15	0.44	28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - injection de l'extrait en direct - UPLC/Fluo	564.150	1.214	0.2%
180477	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180479	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180481	465.00	460.00	462.00	463.00	27	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	462.500	2.082	0.5%
180486	200.00	200.90	202.60	202.80	35	22/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	201.575	1.352	0.7%
180496	146.94	144.49	144.86	146.00	50	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	145.573	1.115	0.8%

Table 61 - 18/172774 - S1 - Benzo[k]fluoranthene - Raw data in µg/liter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	446.10	439.50	418.60	439.90	10	03/04/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Injection directe après ajout d'étalons internes - GC/MS	436.025	12.003	2.8%
180405	344.80	350.50	333.70	344.10	30	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - Injection directe + dilution (acétonitrile) - GC/MS/MS	343.275	6.997	2.0%
180415	266.00	268.00	266.00	269.00	40	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	267.250	1.500	0.6%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	573.22	571.52	560.13	559.08	1.85	30/03/2018	30/03/2018	EN 15549 - / - GC/MS	565.988	7.415	1.3%
180437	282.00	284.00	283.00	283.00	18	06/04/2018	06/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	283.000	0.816	0.3%
180441	277.99	299.14	288.60	279.71	8	04/04/2018	05/04/2018	/ - GC/MS	286.360	9.706	3.4%
180453	279.27	278.79	278.56	279.74	5	16/03/2018	16/03/2018	EN 15549 - injection directe de la solution. - HPLC / fluo	279.090	0.525	0.2%
180458	1 679.60	1 399.60	1 967.00	1 385.60	80	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	1 607.950	275.015	17.1%
180470	276.76	278.00	280.43	272.64	8	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - pas d'extraction - seulement dilution de l'étalon ds ACN. - HPLC / fluo	276.958	3.257	1.2%
180471	255.20	249.92	251.11	246.60	22.68	26/03/2018	09/04/2018	/ - / - HPLC / fluo	250.708	3.551	1.4%
180476	297.88	297.61	298.88	299.01	0.48	28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - injection de l'extrait en direct - UPLC/Fluo	298.345	0.704	0.2%
180477	276.22	271.87	272.02	271.28	20	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	272.848	2.271	0.8%
180479	354.37	298.03	289.27	307.01	38	29/03/2018	03/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	312.170	29.051	9.3%
180481	218.00	220.00	219.00	219.00	27	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	219.000	0.816	0.4%
180486	279.90	278.60	278.80	280.20	35	22/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	279.375	0.793	0.3%
180496	162.43	165.02	163.53	159.85	4	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	162.708	2.181	1.3%

Table 62 - 18/172774 - S1 - Dibenzo[a,h]anthracene - Raw data in µg/liter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	117.30	115.20	115.90	116.10	10	03/04/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Injection directe après ajout d'étalons internes - GC/MS	116.125	0.873	0.8%
180405	72.20	71.60	70.60	71.10	20	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - Injection directe + dilution (acétonitrile) - GC/MS/MS	71.375	0.685	1.0%
180415	110.00	109.00	109.00	110.00	12	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	109.500	0.577	0.5%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	56.02	54.88	52.83	49.43	0.72	30/03/2018	30/03/2018	EN 15549 - / - GC/MS	53.290	2.892	5.4%
180437	100.00	98.00	99.00	100.00	25	06/04/2018	06/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	99.250	0.957	1.0%
180441	91.10	94.02	92.29	91.01	8	04/04/2018	05/04/2018	/ - GC/MS	92.105	1.404	1.5%
180453	88.87	89.23	89.24	89.38	5	16/03/2018	16/03/2018	EN 15549 - injection directe de la solution. - HPLC / fluo	89.180	0.218	0.2%
180458	2 721.80	1 048.60	1 288.00	2 173.40	80	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	1 807.950	777.954	43.0%
180470	86.61	80.06	81.22	87.60	8	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - pas d'extraction - seulement dilution de l'étalon ds ACN. - HPLC / fluo	83.873	3.784	4.5%
180471	93.29	90.98	89.62	87.93	25.39	26/03/2018	09/04/2018	/ - / - HPLC / fluo	90.455	2.265	2.5%
180476	92.47	92.72	92.80	93.15	0.62	28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - injection de l'extrait en direct - UPLC/Fluo	92.785	0.281	0.3%
180477	96.20	98.66	97.97	96.77	20	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	97.400	1.118	1.1%
180479	123.30	115.91	112.94	120.58	45	29/03/2018	03/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	118.183	4.640	3.9%
180481	65.60	66.00	65.40	65.80	26	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	65.700	0.258	0.4%
180486	91.30	90.50	90.90	91.90	35	22/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	91.150	0.597	0.7%
180496	46.92	46.67	48.65	46.73	1	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	47.243	0.944	2.0%

Table 63 - 18/172774 - S1 - Fluoranthene - Raw data in µg/liter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	753.20	747.30	754.40	756.60	10	03/04/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Injection directe après ajout d'étalons internes - GC/MS	752.875	3.974	0.5%
180405	631.30	632.80	633.80	632.50	20	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - Injection directe + dilution (acétonitrile) - GC/MS/MS	632.600	1.030	0.2%
180415	788.00	789.00	791.00	791.00	35	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	789.750	1.500	0.2%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	780.81	751.90	777.60	763.69	3.33	30/03/2018	30/03/2018	EN 15549 - / - GC/MS	768.500	13.330	1.7%
180437	750.00	740.00	740.00	750.00	20	06/04/2018	06/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	745.000	5.774	0.8%
180441	762.69	775.28	771.02	784.75	4	04/04/2018	05/04/2018	/ - GC/MS	773.435	9.178	1.2%
180453	731.11	728.68	732.44	734.00	5	16/03/2018	16/03/2018	EN 15549 - injection directe de la solution. - HPLC / fluo	731.558	2.253	0.3%
180458	4 019.20	4 696.40	5 356.40	784.00	70	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	3 714.000	2 028.188	54.6%
180470	766.33	747.93	744.90	753.76	15	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - pas d'extraction - seulement dilution de l'étalon ds ACN. - HPLC / fluo	753.230	9.476	1.3%
180471	735.44	741.49	738.09	732.84	15.16	26/03/2018	09/04/2018	/ - / - HPLC / fluo	736.965	3.701	0.5%
180476	780.83	777.59	776.93	776.38	0.52	28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - injection de l'extrait en direct - UPLC/Fluo	777.933	1.994	0.3%
180477	719.34	734.10	724.71	727.24	20	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	726.348	6.129	0.8%
180479	767.09	845.35	839.60	730.16	36	29/03/2018	03/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	795.550	56.292	7.1%
180481	584.00	612.00	590.00	606.00	24	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	598.000	13.166	2.2%
180486	722.90	718.80	723.60	717.80	35	22/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	720.775	2.901	0.4%
180496	403.77	403.92	403.49	405.11	6	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	404.073	0.714	0.2%

Table 64 - 18/172774 - S1 - Indeno[1,2,3-cd]pyrene - Raw data in µg/liter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	1 297.00	1 334.00	1 302.40	1 292.30	10	03/04/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Injection directe après ajout d'étalons internes - GC/MS	1 306.425	18.841	1.4%
180405	620.00	626.00	617.50	614.70	25	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - Injection directe + dilution (acétonitrile) - GC/MS/MS	619.550	4.814	0.8%
180415	662.00	660.00	664.00	669.00	19	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	663.750	3.862	0.6%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	436.74	428.44	426.83	400.67	3.9	30/03/2018	30/03/2018	EN 15549 - / - GC/MS	423.170	15.616	3.7%
180437	710.00	690.00	700.00	710.00	22	06/04/2018	06/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	702.500	9.574	1.4%
180441	717.26	716.34	736.59	723.77	4	04/04/2018	05/04/2018	/ - GC/MS	723.490	9.339	1.3%
180453	718.43	720.90	723.67	719.80	5	16/03/2018	16/03/2018	EN 15549 - injection directe de la solution. - HPLC / fluo	720.700	2.223	0.3%
180458	4 208.00	5 330.00	586.00	761.80	80	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	2 721.450	2 409.339	88.5%
180470	700.65	677.53	691.14	694.81	7	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - pas d'extraction - seulement dilution de l'étalon ds ACN. - HPLC / fluo	691.033	9.817	1.4%
180471	678.59	672.32	729.01	665.73	27.75	26/03/2018	09/04/2018	/ - / - HPLC / fluo	686.413	28.880	4.2%
180476	724.70	728.89	724.57	721.30	0.86	28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - injection de l'extrait en direct - UPLC/Fluo	724.865	3.110	0.4%
180477	553.13	557.74	561.02	555.12	20	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	556.753	3.414	0.6%
180479	629.89	666.91	623.01	618.25	36	29/03/2018	03/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	634.515	22.119	3.5%
180481	534.00	528.00	530.00	532.00	27	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	531.000	2.582	0.5%
180486	606.20	608.30	622.40	634.70	35	22/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	617.900	13.311	2.2%
180496	378.66	376.39	376.18	377.95	4	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	377.295	1.205	0.3%

Table 65 - 18/172774 - S1 - Phenanthrene - Raw data in µg/liter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	1 777.70	1 759.30	1 770.10	1 816.50	10	03/04/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Injection directe après ajout d'étalons internes - GC/MS	1 780.900	24.905	1.4%
180405	1 095.20	1 105.30	1 129.40	1 081.40	25	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - Injection directe + dilution (acétonitrile) - GC/MS/MS	1 102.825	20.245	1.8%
180415	1 545.00	1 544.00	1 551.00	1 549.00	28	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	1 547.250	3.304	0.2%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	961.71	1 009.25	1 041.33	1 045.73	9.69	30/03/2018	30/03/2018	EN 15549 - / - GC/MS	1 014.505	38.771	3.8%
180437	1 540.00	1 530.00	1 530.00	1 530.00	18	06/04/2018	06/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	1 532.500	5.000	0.3%
180441	1 532.99	1 532.63	1 524.90	1 527.73	4	04/04/2018	05/04/2018	/ - GC/MS	1 529.563	3.927	0.3%
180453	1 536.37	1 539.01	1 537.55	1 537.11	5	16/03/2018	16/03/2018	EN 15549 - injection directe de la solution. - HPLC / fluo	1 537.510	1.112	0.1%
180458	8 227.00	8 444.00	2 084.00	2 709.20	80	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	5 366.050	3 439.453	64.1%
180470	1 504.13	1 491.85	1 461.05	1 502.13	20	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - pas d'extraction - seulement dilution de l'étalon ds ACN. - HPLC / fluo	1 489.790	19.901	1.3%
180471	1 727.20	1 671.76	1 626.77	1 609.59	11.64	26/03/2018	09/04/2018	/ - / - HPLC / fluo	1 658.830	52.580	3.2%
180476	1 579.54	1 565.80	1 577.15	1 584.69	1.02	28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - injection de l'extrait en direct - UPLC/Fluo	1 576.795	7.977	0.5%
180477	1 446.00	1 455.36	1 441.07	1 456.37	20	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	1 449.700	7.409	0.5%
180479	1 505.20	1 629.48	1 699.44	1 288.59	26	29/03/2018	03/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	1 530.678	180.276	11.8%
180481	1 246.00	1 244.00	1 248.00	1 246.00	27	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	1 246.000	1.633	0.1%
180486	1 499.10	1 482.00	1 500.50	1 480.00	35	22/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	1 490.400	10.900	0.7%
180496	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA

Table 66 - 18/172774 - S1 - Observations

Lab ID.	Observations
180402	Injection directe après ajout d'étalons internes
180405	Obs Solution S1 Injection directe + dilution
180415	
180429	
180430	BbF and BjF data are not individual compounds but together. ?BbjF result are: Replicate 1: 1096.36 Replicate 2: 1072.57 Replicate 3: 1036.55 Replicate 4: 1024.45 Uncertainty value (k=2)=8.25%
180437	
180441	
180453	injection directe de la solution.
180458	le replicat 4 a été effectué sur un système différent GCMS type trap 4000
180470	pas d'extraction -seulement dilution de l'étalon ds ACN.
180471	
180476	injection de l'extrait en direct
180477	
180479	benzo(k)= j+k
180481	Norme NFX43-294
180486	
180496	

Table 67 - 18/172774 - S2 - Benzo[a]anthracene - Raw data in µg/liter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	308.10	308.30	305.40	304.80	10	03/04/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Injection directe après ajout d'étalons internes - GC/MS	306.650	1.808	0.6%
180405	250.60	250.00	253.50	251.70	20	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - Injection directe + dilution (acétonitrile) - GC/MS/MS	251.450	1.537	0.6%
180415	288.00	286.00	285.00	283.00	55	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	285.500	2.082	0.7%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	<40.20	<40.20	<40.20	<40.20		30/03/2018	30/03/2018	EN 15549 - / - GC/MS	40.200	0.000	0.0%
180437	304.00	304.00	304.00	306.00	20	06/04/2018	14/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	304.500	1.000	0.3%
180441	307.89	313.68	315.10	314.39	11	04/04/2018	05/04/2018	/ - / - GC/MS	312.765	3.301	1.1%
180453	280.35	281.77	281.89	282.28	5	16/03/2018	16/03/2018	EN 15549 - injection directe de la solution - HPLC / fluo	281.573	0.844	0.3%
180458	1 752.60	1 571.00	2 094.64	2 034.82	70	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	1 863.265	245.378	13.2%
180470	291.06	283.17	283.02	281.05	12	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - pas d'extraction - seulement dilution de l'étalon ds ACN - HPLC / fluo	284.575	4.430	1.6%
180471	171.92	173.60	169.88	171.40	9.98	26/03/2018	09/04/2018	/ - / - HPLC / fluo	171.700	1.534	0.9%
180476	<5.00	<5.00	<5.00	<5.00	60	28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - injection de l'extrait en direct - UPLC/Fluo	5.000	0.000	0.0%
180477	266.45	265.74	264.05	267.08	20	20/03/2018	21/03/2018	ISO 11338-2 - / (dichlorométhane) - GC/MS	265.830	1.307	0.5%
180479	308.15	335.24	324.95	321.27	45	29/03/2018	03/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	322.403	11.191	3.5%
180481	221.00	230.00	236.00	235.00	27	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	230.500	6.856	3.0%
180486	274.80	274.20	276.60	276.30	35	22/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	275.475	1.159	0.4%
180496	146.60	145.27	150.20	148.71	4	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	147.695	2.190	1.5%

Table 68 - 18/172774 - S2 - Benzo[a]pyrene - Raw data in µg/liter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	406.50	425.90	423.50	421.40	10	03/04/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Injection directe après ajout d'étalons internes - GC/MS	419.325	8.745	2.1%
180405	318.40	315.50	315.00	318.00	25	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - Injection directe + dilution (acétonitrile) - GC/MS/MS	316.725	1.723	0.5%
180415	484.00	479.00	487.00	486.00	32	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	484.000	3.559	0.7%
180429	264.50	262.60	251.80	252.60		26/03/2018	26/03/2018	EN 15549 - Ultrasons (hexane) - GC/MS/MS	257.875	6.607	2.6%
180430	<48.40	<48.40	<48.40	<48.40		30/03/2018	30/03/2018	EN 15549 - / - GC/MS	48.400	0.000	0.0%
180437	400.00	390.00	400.00	400.00	16	06/04/2018	14/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	397.500	5.000	1.3%
180441	411.02	419.99	402.33	407.73	9	04/04/2018	05/04/2018	/ - / - GC/MS	410.268	7.406	1.8%
180453	381.48	383.57	384.41	384.36	5	16/03/2018	16/03/2018	EN 15549 - injection directe de la solution - HPLC / fluo	383.455	1.372	0.4%
180458	2 011.40	1 567.40	2 892.20	2 230.64	70	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	2 175.410	551.789	25.4%
180470	407.89	407.40	407.07	406.97	10	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - pas d'extraction - seulement dilution de l'étalon ds ACN - HPLC / fluo	407.333	0.415	0.1%
180471	363.26	368.64	363.90	363.08	13.94	26/03/2018	09/04/2018	/ - / - HPLC / fluo	364.720	2.637	0.7%
180476	398.97	400.44	401.91	399.50	0.64	28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - injection de l'extrait en direct - UPLC/Fluo	400.205	1.289	0.3%
180477	363.98	365.29	366.32	369.45	20	20/03/2018	21/03/2018	ISO 11338-2 - / (dichlorométhane) - GC/MS	366.260	2.332	0.6%
180479	419.55	410.62	418.75	420.01	33	29/03/2018	03/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	417.233	4.439	1.1%
180481	291.00	289.00	292.00	287.00	27	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	289.750	2.217	0.8%
180486	367.80	359.40	369.20	367.10	35	22/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	365.875	4.404	1.2%
180496	190.22	188.40	186.53	188.58	4	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	188.433	1.510	0.8%

Table 69 - 18/172774 - S2 - Benzo[b]fluoranthene - Raw data in µg/liter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	654.80	661.70	649.40	656.30	10	03/04/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Injection directe après ajout d'étalons internes - GC/MS	655.550	5.059	0.8%
180405	411.20	391.20	416.20	414.40	30	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - Injection directe + dilution (acétonitrile) - GC/MS/MS	408.250	11.553	2.8%
180415	673.00	680.00	672.00	667.00	37	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	673.000	5.354	0.8%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180437	540.00	530.00	540.00	540.00	18	06/04/2018	14/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	537.500	5.000	0.9%
180441	563.00	561.52	556.05	564.80	4	04/04/2018	05/04/2018	/ - / - GC/MS	561.343	3.775	0.7%
180453	542.10	545.59	548.30	546.79	5	16/03/2018	16/03/2018	EN 15549 - injection directe de la solution - HPLC / fluo	545.695	2.641	0.5%
180458	3 117.80	3 079.20	4 092.56	4 041.00	50	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	3 582.640	559.655	15.6%
180470	548.99	543.03	547.00	556.36	9	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - pas d'extraction - seulement dilution de l'étalon ds ACN - HPLC / fluo	548.845	5.589	1.0%
180471	515.71	519.15	513.67	510.39	22.07	26/03/2018	09/04/2018	/ - / - HPLC / fluo	514.730	3.672	0.7%
180476	559.24	558.76	561.83	563.12	0.74	28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - injection de l'extrait en direct - UPLC/Fluo	560.738	2.083	0.4%
180477	525.02	526.00	528.04	529.37	20	20/03/2018	21/03/2018	ISO 11338-2 - / (dichlorométhane) - GC/MS	527.108	1.964	0.4%
180479	887.70	839.58	860.60	868.47	31	29/03/2018	03/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	864.088	19.913	2.3%
180481	441.00	459.00	440.00	458.00	27	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	449.500	10.408	2.3%
180486	509.60	504.90	513.40	512.80	35	22/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	510.175	3.892	0.8%
180496	402.25	393.14	406.20	399.46	5	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	400.263	5.495	1.4%

Table 70 - 18/172774 - S2 - Benzo[g,h,i]perylene - Raw data in µg/liter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	643.00	678.30	704.00	676.00	10	03/04/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Injection directe après ajout d'étalons internes - GC/MS	675.325	25.010	3.7%
180405	339.40	340.30	352.30	338.70	20	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - Injection directe + dilution (acétonitrile) - GC/MS/MS	342.675	6.450	1.9%
180415	411.00	412.00	412.00	409.00	21	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	411.000	1.414	0.3%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	<36.10	<36.10	<36.10	<36.10		30/03/2018	30/03/2018	EN 15549 - / - GC/MS	36.100	0.000	0.0%
180437	400.00	390.00	390.00	390.00	18	06/04/2018	14/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	392.500	5.000	1.3%
180441	401.04	401.74	400.87	399.37	4	04/04/2018	05/04/2018	/ - / - GC/MS	400.755	0.997	0.2%
180453	435.35	435.16	434.94	434.21	5	16/03/2018	16/03/2018	EN 15549 - injection directe de la solution - HPLC / fluo	434.915	0.499	0.1%
180458	0.00	5 460.60	0.00	321.20	80	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	2 890.900	3 634.105	125.7%
180470	444.80	436.23	442.23	435.19	8	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - pas d'extraction - seulement dilution de l'étalon ds ACN - HPLC / fluo	439.613	4.646	1.1%
180471	397.03	396.74	394.66	394.07	19.08	26/03/2018	09/04/2018	/ - / - HPLC / fluo	395.625	1.479	0.4%
180476	393.46	398.86	407.05	409.05	3.6	28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - injection de l'extrait en direct - UPLC/Fluo	402.105	7.256	1.8%
180477	390.20	385.99	392.73	394.02	20	20/03/2018	21/03/2018	ISO 11338-2 - / (dichlorométhane) - GC/MS	390.735	3.539	0.9%
180479	425.55	405.17	413.31	416.73	36	29/03/2018	03/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	415.190	8.439	2.0%
180481	291.00	286.00	294.00	303.00	27	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	293.500	7.141	2.4%
180486	374.60	374.80	380.90	383.10	35	22/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	378.350	4.310	1.1%
180496	206.29	206.25	205.54	205.77	3	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	205.963	0.368	0.2%

Table 71 - 18/172774 - S2 - Benzo[j]fluoranthene - Raw data in µg/liter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	369.70	372.30	368.10	375.80	10	03/04/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Injection directe après ajout d'étalons internes - GC/MS	371.475	3.363	0.9%
180405	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180415	0.00	0.00	0.00	0.00	0	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	0.000	0.000	Pb. Moy.=0
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180437	310.00	305.00	305.00	300.00	21	06/04/2018	14/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	305.000	4.082	1.3%
180441	284.98	265.87	284.07	290.68	11	04/04/2018	05/04/2018	/ - / - GC/MS	281.400	10.759	3.8%
180453	273.04	273.06	275.27	275.39	5	16/03/2018	16/03/2018	EN 15549 - injection directe de la solution - HPLC / fluo	274.190	1.317	0.5%
180458	0.00	0.00	0.00	0.00	0	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	0.000	0.000	Pb. Moy.=0
180470	275.04	279.84	267.00	279.79	8	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - pas d'extraction - seulement dilution de l'étalon ds ACN - HPLC / fluo	275.418	6.046	2.2%
180471	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180476	559.55	557.51	559.79	561.04	0.52	28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - injection de l'extrait en direct - UPLC/Fluo	559.473	1.462	0.3%
180477	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180479	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180481	482.00	514.00	503.00	499.00	27	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	499.500	13.279	2.7%
180486	198.30	198.10	197.20	198.60	35	22/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	198.050	0.603	0.3%
180496	138.90	137.73	139.62	138.32	50	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	138.643	0.808	0.6%

Table 72 - 18/172774 - S2 - Benzo[k]fluoranthene - Raw data in µg/liter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	403.00	402.00	401.40	405.20	10	03/04/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Injection directe après ajout d'étalons internes - GC/MS	402.900	1.669	0.4%
180405	359.80	356.70	375.40	380.60	30	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - Injection directe + dilution (acétonitrile) - GC/MS/MS	368.125	11.667	3.2%
180415	251.00	256.00	251.00	250.00	40	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	252.000	2.708	1.1%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	<46.30	<46.30	<46.30	<46.30		30/03/2018	30/03/2018	EN 15549 - / - GC/MS	46.300	0.000	0.0%
180437	294.00	295.00	295.00	296.00	18	06/04/2018	14/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	295.000	0.816	0.3%
180441	266.63	259.01	274.13	293.04	8	04/04/2018	05/04/2018	/ - / - GC/MS	273.203	14.595	5.3%
180453	280.68	282.55	281.39	282.77	5	16/03/2018	16/03/2018	EN 15549 - injection directe de la solution - HPLC / fluo	281.848	0.986	0.3%
180458	1 334.20	1 261.40	1 615.78	1 525.60	80	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	1 434.245	164.504	11.5%
180470	277.27	275.16	275.21	275.01	8	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - pas d'extraction - seulement dilution de l'étalon ds ACN - HPLC / fluo	275.663	1.075	0.4%
180471	252.16	252.12	248.51	248.02	22.68	26/03/2018	09/04/2018	/ - / - HPLC / fluo	250.203	2.246	0.9%
180476	294.44	294.60	296.30	296.64	0.78	28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - injection de l'extrait en direct - UPLC/Fluo	295.495	1.136	0.4%
180477	275.28	276.08	275.09	278.90	20	20/03/2018	21/03/2018	ISO 11338-2 - / (dichlorométhane) - GC/MS	276.338	1.761	0.6%
180479	282.60	289.63	297.56	292.01	38	29/03/2018	03/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	290.450	6.199	2.1%
180481	216.00	217.00	217.00	218.00	27	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	217.000	0.816	0.4%
180486	269.50	266.50	273.70	272.80	35	22/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	270.625	3.290	1.2%
180496	153.35	157.79	152.29	153.80	4	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	154.308	2.406	1.6%

Table 73 - 18/172774 - S2 - Dibenzo[a,h]anthracene - Raw data in µg/liter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	101.30	101.60	111.30	107.30	10	03/04/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Injection directe après ajout d'étalons internes - GC/MS	105.375	4.819	4.6%
180405	69.60	70.40	68.70	68.60	20	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - Injection directe + dilution (acétonitrile) - GC/MS/MS	69.325	0.846	1.2%
180415	112.00	115.00	115.00	136.00	12	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	119.500	11.091	9.3%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	<35.40	<35.40	<35.40	<35.40		30/03/2018	30/03/2018	EN 15549 - / - GC/MS	35.400	0.000	0.0%
180437	98.00	102.00	103.00	96.00	25	06/04/2018	14/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	99.750	3.304	3.3%
180441	93.66	92.90	91.39	91.66	8	04/04/2018	05/04/2018	/ - / - GC/MS	92.403	1.065	1.2%
180453	89.68	90.50	90.63	90.62	5	16/03/2018	16/03/2018	EN 15549 - injection directe de la solution - HPLC / fluo	90.358	0.456	0.5%
180458	1 284.80	636.26	1 589.80	763.52	80	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	1 068.595	446.611	41.8%
180470	88.23	80.81	81.33	82.60	8	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - pas d'extraction - seulement dilution de l'étalon ds ACN - HPLC / fluo	83.243	3.409	4.1%
180471	88.04	90.04	88.82	87.62	25.39	26/03/2018	09/04/2018	/ - / - HPLC / fluo	88.630	1.063	1.2%
180476	90.87	91.61	92.04	92.39	1.42	28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - injection de l'extrait en direct - UPLC/Fluo	91.728	0.655	0.7%
180477	98.57	95.71	98.08	98.03	20	20/03/2018	21/03/2018	ISO 11338-2 - / (dichlorométhane) - GC/MS	97.598	1.282	1.3%
180479	121.87	107.47	107.43	106.50	45	29/03/2018	03/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	110.818	7.382	6.7%
180481	65.00	64.20	64.50	63.10	26	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	64.200	0.804	1.3%
180486	88.80	87.80	89.40	88.60	35	22/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	88.650	0.661	0.7%
180496	44.93	45.02	44.58	44.52	1	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	44.763	0.249	0.6%

Table 74 - 18/172774 - S2 - Fluoranthene - Raw data in µg/liter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	737.30	733.50	731.00	731.30	10	03/04/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Injection directe après ajout d'étalons internes - GC/MS	733.275	2.906	0.4%
180405	613.40	620.10	617.70	606.70	20	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - Injection directe + dilution (acétonitrile) - GC/MS/MS	614.475	5.878	1.0%
180415	751.00	755.00	752.00	746.00	35	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	751.000	3.742	0.5%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	<75.60	<75.60	<75.60	<75.60		30/03/2018	30/03/2018	EN 15549 - / - GC/MS	75.600	0.000	0.0%
180437	740.00	730.00	730.00	720.00	20	06/04/2018	14/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	730.000	8.165	1.1%
180441	774.00	760.68	802.64	767.51	4	04/04/2018	05/04/2018	/ - / - GC/MS	776.208	18.442	2.4%
180453	726.04	732.76	731.40	731.41	5	16/03/2018	16/03/2018	EN 15549 - injection directe de la solution - HPLC / fluo	730.403	2.978	0.4%
180458	4 038.60	3 726.20	4 719.08	4 352.40	50	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	4 209.070	425.393	10.1%
180470	746.67	755.40	728.32	769.83	15	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - pas d'extraction - seulement dilution de l'étalon ds ACN - HPLC / fluo	750.055	17.354	2.3%
180471	741.83	743.39	735.69	736.62	15.16	26/03/2018	09/04/2018	/ - / - HPLC / fluo	739.383	3.800	0.5%
180476	767.33	771.81	772.27	772.23	0.62	28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - injection de l'extrait en direct - UPLC/Fluo	770.910	2.396	0.3%
180477	717.91	724.27	721.44	741.89	20	20/03/2018	21/03/2018	ISO 11338-2 - / (dichlorométhane) - GC/MS	726.378	10.664	1.5%
180479	684.10	796.22	828.21	695.64	36	29/03/2018	03/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	751.043	71.987	9.6%
180481	582.00	618.00	600.00	601.00	24	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	600.250	14.705	2.4%
180486	713.00	708.00	719.70	722.70	35	22/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	715.850	6.620	0.9%
180496	384.11	379.97	380.52	382.69	6	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	381.823	1.925	0.5%

Table 75 - 18/172774 - S2 - Indeno[1,2,3-cd]pyrene - Raw data in µg/liter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	1 185.60	1 244.90	1 257.70	1 212.50	10	03/04/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Injection directe après ajout d'étalons internes - GC/MS	1 225.175	32.526	2.7%
180405	588.70	590.80	588.10	586.40	25	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - Injection directe + dilution (acétonitrile) - GC/MS/MS	588.500	1.817	0.3%
180415	726.00	853.00	732.00	799.00	19	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	777.500	60.236	7.7%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	<42.00	<42.00	<42.00	<42.00		30/03/2018	30/03/2018	EN 15549 - / - GC/MS	42.000	0.000	0.0%
180437	700.00	700.00	700.00	680.00	22	06/04/2018	14/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	695.000	10.000	1.4%
180441	723.25	717.96	724.88	721.25	4	04/04/2018	05/04/2018	/ - / - GC/MS	721.835	2.979	0.4%
180453	718.69	720.47	721.04	722.98	5	16/03/2018	16/03/2018	EN 15549 - injection directe de la solution - HPLC / fluo	720.795	1.767	0.2%
180458	2 903.20	3 664.20	6 816.20	8 661.20	80	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	5 511.200	2 698.061	49.0%
180470	705.85	711.94	695.01	699.08	7	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - pas d'extraction - seulement dilution de l'étalon ds ACN - HPLC / fluo	702.970	7.467	1.1%
180471	669.31	675.03	664.36	667.29	27.75	26/03/2018	09/04/2018	/ - / - HPLC / fluo	668.998	4.506	0.7%
180476	719.93	713.29	715.44	720.27	0.96	28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - injection de l'extrait en direct - UPLC/Fluo	717.233	3.428	0.5%
180477	567.31	556.00	562.58	571.02	20	20/03/2018	21/03/2018	ISO 11338-2 - / (dichlorométhane) - GC/MS	564.228	6.482	1.1%
180479	588.85	612.66	583.40	595.62	36	29/03/2018	03/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	595.133	12.709	2.1%
180481	558.00	568.00	561.00	563.00	27	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	562.500	4.203	0.7%
180486	653.80	642.20	636.90	639.60	35	22/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	643.125	7.438	1.2%
180496	355.63	349.84	358.67	350.74	4	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	353.720	4.167	1.2%

Table 76 - 18/172774 - S2 - Phenanthrene - Raw data in µg/liter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	1 706.80	1 714.00	1 727.40	1 707.90	10	03/04/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Injection directe après ajout d'étalons internes - GC/MS	1 714.025	9.462	0.6%
180405	1 178.30	1 173.30	1 167.20	1 191.60	25	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - Injection directe + dilution (acétonitrile) - GC/MS/MS	1 177.600	10.379	0.9%
180415	1 504.00	1 517.00	1 505.00	1 492.00	28	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	1 504.500	10.214	0.7%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	68.40	80.05	79.00	77.00	1.32	30/03/2018	30/03/2018	EN 15549 - / - GC/MS	76.113	5.295	7.0%
180437	1 540.00	1 500.00	1 520.00	1 510.00	18	06/04/2018	14/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	1 517.500	17.078	1.1%
180441	1 544.83	1 542.29	1 550.63	1 548.57	4	04/04/2018	05/04/2018	/ - / - GC/MS	1 546.580	3.734	0.2%
180453	1 530.59	1 535.81	1 535.16	1 538.49	5	16/03/2018	16/03/2018	EN 15549 - injection directe de la solution - HPLC / fluo	1 535.013	3.282	0.2%
180458	4 038.60	7 540.20	9 706.36	9 958.00	80	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	7 810.790	2 738.998	35.1%
180470	1 512.72	1 499.08	1 506.01	1 503.40	20	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - pas d'extraction - seulement dilution de l'étalon ds ACN - HPLC / fluo	1 505.303	5.711	0.4%
180471	1 629.23	1 633.19	1 606.60	1 609.81	11.64	26/03/2018	09/04/2018	/ - / - HPLC / fluo	1 619.708	13.444	0.8%
180476	1 550.76	1 557.42	1 567.32	1 574.93	1.38	28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - injection de l'extrait en direct - UPLC/Fluo	1 562.608	10.667	0.7%
180477	1 457.09	1 456.23	1 457.52	1 459.87	20	20/03/2018	21/03/2018	ISO 11338-2 - / (dichlorométhane) - GC/MS	1 457.678	1.557	0.1%
180479	1 329.15	1 300.30	1 537.25	1 637.41	25	29/03/2018	03/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	1 451.028	163.040	11.2%
180481	1 230.00	1 220.00	1 225.00	1 240.00	27	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	1 228.750	8.539	0.7%
180486	1 491.50	1 454.50	1 496.90	1 500.40	35	22/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	1 485.825	21.202	1.4%
180496	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA

Table 77 - 18/172774 - S2 - Observations

Lab ID.	Observations
180402	Injection directe après ajout d'étalons internes
180405	Obs Solution S2 Injection directe + dilution
180415	
180429	
180430	BbF and BjF data are not individual compounds but together. ?BbjF result are: Replicate 1: < 64.84 Replicate 2: < 64.84 Replicate 3: < 64.84 Replicate 4: < 64.84
180437	
180441	
180453	injection directe de la solution.
180458	
180470	pas d'extraction -seulement dilution de l'étalon ds ACN.
180471	
180476	injection de l'extrait en direct
180477	
180479	benzo(k)= j+k
180481	Norme NFX43-294
180486	
180496	

Table 78 - 18/172774 - S3 - Benzo[a]anthracene - Raw data in µg/liter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	6.87	6.95	7.11	6.82	10	03/04/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Injection directe après ajout d'étalons internes - GC/MS	6.938	0.127	1.8%
180405	7.60	7.70	7.60	7.60	20	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - Injection directe (acétonitrile) - GC/MS/MS	7.625	0.050	0.7%
180415	6.58	6.59	6.45	6.43	55	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	6.513	0.084	1.3%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	301.57	275.99	271.34	261.66	4.26	30/03/2018	30/03/2018	EN 15549 - / - GC/MS	277.640	17.033	6.1%
180437	9.00	9.00	9.00	9.00	20	06/04/2018	14/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	9.000	0.000	0.0%
180441	9.08	9.12	9.11	9.13	11	04/04/2018	05/04/2018	/ - / - GC/MS	9.110	0.022	0.2%
180453	8.13	8.10	8.15	8.09	5	16/03/2018	16/03/2018	EN 15549 - injection directe de la solution - HPLC / fluo	8.118	0.028	0.3%
180458	9.55	10.89	10.33	12.24	50	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	10.753	1.134	10.5%
180470	7.84	8.29	8.15	8.83	12	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - pas d'extraction - seulement dilution de l'étalon ds ACN - HPLC / fluo	8.278	0.414	5.0%
180471	5.25	5.48	4.34	5.47	9.98	26/03/2018	09/04/2018	/ - / - HPLC / fluo	5.135	0.541	10.5%
180476	<5.00	<5.00	<5.00	<5.00		28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - injection de l'extrait en direct - UPLC/Fluo	5.000	0.000	0.0%
180477	<20.00	<20.00	<20.00	<20.00	20	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	20.000	0.000	0.0%
180479	8.30	10.69	7.68	7.76	45	30/03/2018	03/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	8.608	1.415	16.4%
180481	6.39	6.35	6.42	6.55	27	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	6.428	0.087	1.3%
180486	8.30	8.10	8.00	7.90	35	22/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	8.075	0.171	2.1%
180496	5.05	4.99	5.48	5.32	4	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	5.210	0.230	4.4%

Table 79 - 18/172774 - S3 - Benzo[a]pyrene - Raw data in µg/liter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	<10.00	<10.00	<10.00	<10.00	10	03/04/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Injection directe après ajout d'étalons internes - GC/MS	10.000	0.000	0.0%
180405	8.90	9.90	9.90	9.60	25	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - Injection directe (acétonitrile) - GC/MS/MS	9.575	0.472	4.9%
180415	9.25	9.15	9.36	8.87	32	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	9.158	0.210	2.3%
180429	12.01	12.88	10.83	9.39		26/03/2018	26/03/2018	EN 15549 - Ultrasons (hexane) - GC/MS/MS	11.278	1.513	13.4%
180430	286.65	307.86	302.33	298.18	2.25	30/03/2018	30/03/2018	EN 15549 - / - GC/MS	298.755	8.992	3.0%
180437	12.00	12.00	12.00	12.00	16	06/04/2018	14/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	12.000	0.000	0.0%
180441	11.93	11.93	11.93	11.93	9	04/04/2018	05/04/2018	/ - / - GC/MS	11.930	0.000	0.0%
180453	11.05	11.02	11.10	11.16	5	16/03/2018	16/03/2018	EN 15549 - injection directe de la solution - HPLC / fluo	11.083	0.061	0.6%
180458	11.50	11.91	32.52	15.38	70	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	17.828	9.948	55.8%
180470	10.90	12.35	12.55	11.15	20	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - pas d'extraction - seulement dilution de l'étalon ds ACN - HPLC / fluo	11.738	0.833	7.1%
180471	10.78	10.95	8.87	11.36	13.94	26/03/2018	09/04/2018	/ - / - HPLC / fluo	10.490	1.107	10.6%
180476	11.48	11.59	11.55	11.54	0.72	28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - injection de l'extrait en direct - UPLC/Fluo	11.540	0.045	0.4%
180477	<20.00	<20.00	<20.00	<20.00	20	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	20.000	0.000	0.0%
180479	12.10	15.34	10.18	10.30	33	30/03/2018	03/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	11.980	2.406	20.1%
180481	6.93	6.95	6.90	6.92	27	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	6.925	0.021	0.3%
180486	10.70	10.70	10.60	10.60	35	22/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	10.650	0.058	0.5%
180496	6.00	6.15	5.97	5.97	4	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	6.023	0.086	1.4%

Table 80 - 18/172774 - S3 - Benzo[b]fluoranthene - Raw data in µg/liter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	12.00	12.11	11.79	11.80	10	03/04/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Injection directe après ajout d'étalons internes - GC/MS	11.925	0.157	1.3%
180405	10.30	11.30	10.00	10.80	30	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - Injection directe (acétonitrile) - GC/MS/MS	10.600	0.572	5.4%
180415	16.86	16.77	16.65	16.72	37	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	16.750	0.088	0.5%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180437	16.00	16.00	17.00	16.00	18	06/04/2018	14/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	16.250	0.500	3.1%
180441	15.89	15.93	15.70	15.92	4	04/04/2018	05/04/2018	/ - / - GC/MS	15.860	0.108	0.7%
180453	15.61	15.69	15.77	15.78	5	16/03/2018	16/03/2018	EN 15549 - injection directe de la solution - HPLC / fluo	15.713	0.079	0.5%
180458	16.98	16.99	19.46	19.45	70	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	18.220	1.426	7.8%
180470	15.00	16.06	16.62	15.87	19	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - pas d'extraction - seulement dilution de l'étalon ds ACN - HPLC / fluo	15.888	0.672	4.2%
180471	15.14	15.60	11.98	15.94	22.07	26/03/2018	09/04/2018	/ - / - HPLC / fluo	14.665	1.820	12.4%
180476	16.50	16.35	16.00	16.35	2.6	28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - injection de l'extrait en direct - UPLC/Fluo	16.300	0.212	1.3%
180477	<20.00	<20.00	<20.00	<20.00	20	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	20.000	0.000	0.0%
180479	24.00	33.06	21.44	21.39	31	30/03/2018	03/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	24.973	5.528	22.1%
180481	15.70	15.30	15.60	15.90	27	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	15.625	0.250	1.6%
180486	15.30	15.30	15.10	15.10	35	22/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	15.200	0.115	0.8%
180496	11.34	11.56	11.89	11.53	5	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	11.580	0.228	2.0%

Table 81 - 18/172774 - S3 - Benzo[g,h,i]perylene - Raw data in µg/liter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	9.88	10.42	10.63	10.70	10	03/04/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Injection directe après ajout d'étalons internes - GC/MS	10.408	0.371	3.6%
180405	10.00	9.90	9.90	9.70	20	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - Injection directe (acétonitrile) - GC/MS/MS	9.875	0.126	1.3%
180415	10.21	10.23	9.83	10.14	21	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	10.103	0.186	1.8%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	199.82	194.82	187.81	185.77	1.62	30/03/2018	30/03/2018	EN 15549 - / - GC/MS	192.055	6.467	3.4%
180437	12.00	13.00	12.00	12.00	18	06/04/2018	14/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	12.250	0.500	4.1%
180441	11.51	11.50	11.50	11.52	4	04/04/2018	05/04/2018	/ - / - GC/MS	11.508	0.010	0.1%
180453	11.93	12.07	12.13	12.18	5	16/03/2018	16/03/2018	EN 15549 - injection directe de la solution - HPLC / fluo	12.078	0.108	0.9%
180458	0.00	38.26	0.00	24.01	80	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	31.135	10.076	32.4%
180470	11.86	13.24	13.14	13.84	14	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - pas d'extraction - seulement dilution de l'étalon ds ACN - HPLC / fluo	13.020	0.833	6.4%
180471	12.05	12.38	10.14	13.00	19.08	26/03/2018	09/04/2018	/ - / - HPLC / fluo	11.893	1.233	10.4%
180476	11.25	11.13	11.37	11.38	2.1	28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - injection de l'extrait en direct - UPLC/Fluo	11.283	0.118	1.0%
180477	<20.00	<20.00	<20.00	<20.00	20	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	20.000	0.000	0.0%
180479	11.62	15.35	10.77	10.76	36	30/03/2018	03/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	12.125	2.187	18.0%
180481	7.22	7.30	7.23	7.41	27	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	7.290	0.088	1.2%
180486	11.00	11.40	10.80	11.20	35	22/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	11.100	0.258	2.3%
180496	6.10	6.20	6.04	6.07	3	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	6.103	0.069	1.1%

Table 82 - 18/172774 - S3 - Benzo[j]fluoranthene - Raw data in µg/liter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	<10.00	<10.00	<10.00	<10.00	10	03/04/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Injection directe après ajout d'étalons internes - GC/MS	10.000	0.000	0.0%
180405	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180415	0.00	0.00	0.00	0.00	0	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	0.000	0.000	Pb. Moy.=0
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180437	6.00	5.00	5.00	5.00	21	06/04/2018	14/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	5.250	0.500	9.5%
180441	8.49	8.77	8.69	8.57	11	04/04/2018	05/04/2018	/ - / - GC/MS	8.630	0.124	1.4%
180453	7.76	7.54	7.86	7.54	5	16/03/2018	16/03/2018	EN 15549 - injection directe de la solution - HPLC / fluo	7.675	0.161	2.1%
180458	0.00	0.00	0.00	0.00	0	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	0.000	0.000	Pb. Moy.=0
180470	<40.00	<40.00	<40.00	<40.00	33	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - pas d'extraction - seulement dilution de l'étalon ds ACN - HPLC / fluo	40.000	0.000	0.0%
180471	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180476	16.37	16.18	16.43	16.60	2.16	28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - injection de l'extrait en direct - UPLC/Fluo	16.395	0.173	1.1%
180477	<20.00	<20.00	<20.00	20.00	20	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	20.000	0.000	0.0%
180479	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180481	20.90	21.30	21.40	21.00	27	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	21.150	0.238	1.1%
180486	5.10	5.30	5.10	5.20	35	22/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	5.175	0.096	1.9%
180496	4.05	4.12	4.19	4.17	50	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	4.133	0.062	1.5%

Table 83 - 18/172774 - S3 - Benzo[k]fluoranthene - Raw data in µg/liter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	<10.00	<10.00	<10.00	<10.00	10	03/04/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Injection directe après ajout d'étalons internes - GC/MS	10.000	0.000	0.0%
180405	10.70	10.80	11.00	10.30	30	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - Injection directe (acétonitrile) - GC/MS/MS	10.700	0.294	2.8%
180415	6.96	7.22	6.52	6.72	40	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	6.855	0.303	4.4%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	561.83	570.51	584.85	556.78	3.07	30/03/2018	30/03/2018	EN 15549 - / - GC/MS	568.493	12.291	2.2%
180437	9.00	9.00	9.00	9.00	18	06/04/2018	14/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	9.000	0.000	0.0%
180441	8.20	8.70	8.32	8.18	8	04/04/2018	05/04/2018	/ - / - GC/MS	8.350	0.241	2.9%
180453	8.20	8.22	8.11	8.36	5	16/03/2018	16/03/2018	EN 15549 - injection directe de la solution - HPLC / fluo	8.223	0.103	1.3%
180458	9.20	7.92	9.18	19.31	80	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	11.403	5.306	46.5%
180470	7.29	7.51	8.19	8.35	13	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - pas d'extraction - seulement dilution de l'étalon ds ACN - HPLC / fluo	7.835	0.514	6.6%
180471	6.95	7.16	5.41	7.23	22.68	26/03/2018	09/04/2018	/ - / - HPLC / fluo	6.688	0.860	12.9%
180476	8.42	8.67	8.57	8.58	2.34	28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - injection de l'extrait en direct - UPLC/Fluo	8.560	0.104	1.2%
180477	<20.00	<20.00	<20.00	<20.00	20	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	20.000	0.000	0.0%
180479	8.10	12.06	7.44	7.44	38	30/03/2018	03/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	8.760	2.222	25.4%
180481	5.55	5.62	5.68	5.51	27	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	5.590	0.075	1.3%
180486	7.90	7.90	7.80	7.80	35	22/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	7.850	0.058	0.7%
180496	4.85	4.92	4.87	5.16	4	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	4.950	0.143	2.9%

Table 84 - 18/172774 - S3 - Dibenzo[a,h]anthracene - Raw data in µg/liter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	<4.00	<4.00	<4.00	<4.00	10	03/04/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Injection directe après ajout d'étalons internes - GC/MS	4.000	0.000	0.0%
180405	<5.00	<5.00	<5.00	<5.00	35	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - Injection directe (acétonitrile) - GC/MS/MS	5.000	0.000	0.0%
180415	2.58	2.53	2.69	2.50	12	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	2.575	0.083	3.2%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	45.61	43.76	42.26	38.74	0.73	30/03/2018	30/03/2018	EN 15549 - / - GC/MS	42.593	2.911	6.8%
180437	3.00	3.00	3.00	3.00	25	06/04/2018	14/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	3.000	0.000	0.0%
180441	2.62	2.65	2.64	2.67	8	04/04/2018	05/04/2018	/ - / - GC/MS	2.645	0.021	0.8%
180453	2.58	2.57	2.58	2.60	5	16/03/2018	16/03/2018	EN 15549 - injection directe de la solution - HPLC / fluo	2.583	0.013	0.5%
180458	57.52	47.32	10.68	43.22	70	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	39.685	20.250	51.0%
180470	<10.00	<10.00	<10.00	<10.00	17	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - pas d'extraction - seulement dilution de l'étalon ds ACN - HPLC / fluo	10.000	0.000	0.0%
180471	2.65	2.90	2.25	2.82	25.39	26/03/2018	09/04/2018	/ - / - HPLC / fluo	2.655	0.289	10.9%
180476	2.72	2.66	2.79	2.69	4.2	28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - injection de l'extrait en direct - UPLC/Fluo	2.715	0.056	2.1%
180477	<20.00	<20.00	<20.00	<20.00	20	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	20.000	0.000	0.0%
180479	3.44	3.91	2.88	3.07	45	30/03/2018	03/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	3.325	0.454	13.7%
180481	1.82	1.85	1.80	1.84	26	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	1.828	0.022	1.2%
180486	2.60	2.60	2.60	2.60	35	22/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	2.600	0.000	0.0%
180496	1.23	1.25	1.20	1.38	1	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	1.265	0.079	6.3%

Table 85 - 18/172774 - S3 - Fluoranthene - Raw data in µg/liter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	18.78	19.11	18.95	18.97	10	03/04/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Injection directe après ajout d'étalons internes - GC/MS	18.953	0.135	0.7%
180405	18.60	18.50	18.60	18.60	20	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - Injection directe (acétonitrile) - GC/MS/MS	18.575	0.050	0.3%
180415	19.92	19.92	19.80	19.85	35	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	19.873	0.059	0.3%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	804.23	828.69	868.99	836.17	6.68	30/03/2018	30/03/2018	EN 15549 - / - GC/MS	834.520	26.723	3.2%
180437	21.00	22.00	21.00	21.00	20	06/04/2018	14/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	21.250	0.500	2.4%
180441	22.50	22.09	22.24	22.65	4	04/04/2018	05/04/2018	/ - / - GC/MS	22.370	0.252	1.1%
180453	21.08	20.96	21.17	21.28	5	16/03/2018	16/03/2018	EN 15549 - injection directe de la solution - HPLC / fluo	21.123	0.136	0.6%
180458	28.56	21.94	22.38	24.63	70	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	24.378	3.027	12.4%
180470	<30.00	<30.00	<30.00	<30.00	15	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - pas d'extraction - seulement dilution de l'étalon ds ACN - HPLC / fluo	30.000	0.000	0.0%
180471	22.06	22.77	17.44	23.52	15.16	26/03/2018	09/04/2018	/ - / - HPLC / fluo	21.448	2.737	12.8%
180476	22.48	22.32	22.28	22.84	2.26	28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - injection de l'extrait en direct - UPLC/Fluo	22.480	0.255	1.1%
180477	20.55	20.34	19.82	19.75	20	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	20.115	0.392	1.9%
180479	19.56	17.98	19.05	18.00	36	30/03/2018	03/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	18.648	0.787	4.2%
180481	17.70	18.00	18.30	17.90	24	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	17.975	0.250	1.4%
180486	21.10	21.00	20.90	20.80	35	22/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	20.950	0.129	0.6%
180496	11.13	11.05	11.07	11.06	6	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	11.078	0.036	0.3%

Table 86 - 18/172774 - S3 - Indeno[1,2,3-cd]pyrene - Raw data in µg/liter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	17.47	18.08	18.38	18.28	10	03/04/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Injection directe après ajout d'étalons internes - GC/MS	18.053	0.408	2.3%
180405	18.10	17.80	17.40	17.10	25	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - Injection directe (acétonitrile) - GC/MS/MS	17.600	0.440	2.5%
180415	15.52	15.58	15.40	15.06	19	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	15.390	0.232	1.5%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	396.03	376.55	358.74	356.10	4.62	30/03/2018	30/03/2018	EN 15549 - / - GC/MS	371.855	18.500	5.0%
180437	22.00	21.00	21.00	22.00	22	06/04/2018	14/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	21.500	0.577	2.7%
180441	20.53	20.61	20.62	20.52	4	04/04/2018	05/04/2018	/ - / - GC/MS	20.570	0.052	0.3%
180453	20.56	20.78	20.75	20.52	5	16/03/2018	16/03/2018	EN 15549 - injection directe de la solution - HPLC / fluo	20.653	0.131	0.6%
180458	15.53	18.68	17.70	21.72	70	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	18.408	2.571	14.0 %
180470	19.55	21.17	21.35	20.77	17	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - pas d'extraction -seulement dilution de l'étalon ds ACN - HPLC / fluo	20.710	0.810	3.9%
180471	19.59	20.39	15.53	20.64	27.75	26/03/2018	09/04/2018	/ - / - HPLC / fluo	19.038	2.381	12.5 %
180476	19.83	20.29	20.57	20.46	3.22	28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - injection de l'extrait en direct - UPLC/Fluo	20.288	0.326	1.6%
180477	<20.00	<20.00	<20.00	<20.00	20	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	20.000	0.000	0.0%
180479	16.44	21.46	15.00	16.18	36	30/03/2018	03/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	17.270	2.863	16.6 %
180481	14.40	14.60	14.40	14.50	27	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	14.475	0.096	0.7%
180486	18.30	19.00	16.10	17.90	35	22/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	17.825	1.237	6.9%
180496	10.16	10.41	10.18	9.97	4	15/03/2018	19/03/2018	EN 15549 + XP CEN/TS 16645 - ASE (acétone/hexane) - GC/MS	10.180	0.180	1.8%

Table 87 - 18/172774 - S3 - Phenanthrene - Raw data in µg/liter

Lab ID.	Meas. 1	Meas. 2	Meas. 3	Meas. 4	Relative uncertainty %	Start analysis	End analysis	Standard - extraction - analysis	Mean	Standard deviation	S _r in %
180402	42.98	43.40	43.71	44.49	10	03/04/2018	03/04/2018	EN 15549 + XP CEN/TS 16645 - Injection directe après ajout d'étalons internes - GC/MS	43.645	0.638	1.5%
180405	34.00	35.40	33.80	35.30	25	14/03/2018	16/03/2018	EN 15549 + XP CEN/TS 16645 - Injection directe (acétonitrile) - GC/MS/MS	34.625	0.842	2.4%
180415	43.70	43.70	43.50	43.40	28	23/03/2018	10/04/2018	ISO 12884 - ASE (toluène) - GC/MS	43.575	0.150	0.3%
180429	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
180430	1 036.11	1 106.59	1 139.68	1 136.51	12.03	30/03/2018	30/03/2018	EN 15549 - / - GC/MS	1 104.723	48.110	4.4%
180437	45.00	45.00	45.00	44.00	18	06/04/2018	14/04/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	44.750	0.500	1.1%
180441	44.65	44.24	43.39	43.31	4	04/04/2018	05/04/2018	/ - / - GC/MS	43.898	0.655	1.5%
180453	44.07	44.24	44.15	44.09	5	16/03/2018	16/03/2018	EN 15549 - injection directe de la solution - HPLC / fluo	44.138	0.076	0.2%
180458	43.40	49.63	53.72	62.02	70	10/04/2018	12/04/2018	XP CEN/TS 16645 - Ultrasons (dichlorométhane) - HPLC / fluo	52.193	7.806	15.0%
180470	<50.00	<50.00	<50.00	<50.00	20	27/03/2018	27/03/2018	EN 15549 + XP CEN/TS 16645 - pas d'extraction - seulement dilution de l'étalon ds ACN - HPLC / fluo	50.000	0.000	0.0%
180471	45.01	46.21	35.19	50.63	11.64	26/03/2018	09/04/2018	/ - / - HPLC / fluo	44.260	6.512	14.7%
180476	45.60	46.48	46.29	46.32	1.68	28/03/2018	09/04/2018	EN 15549 + XP CEN/TS 16645 - injection de l'extrait en direct - UPLC/Fluo	46.173	0.391	0.8%
180477	41.38	40.04	41.07	41.50	20	20/03/2018	21/03/2018	ISO 11338-2 - Ultrasons (dichlorométhane) - GC/MS	40.998	0.664	1.6%
180479	35.56	46.33	28.00	27.95	26	30/03/2018	03/04/2018	NF X 43-329 Mai 2003 - Ultrasons (dichlorométhane) - GC/MS/MS	34.460	8.684	25.2%
180481	34.10	33.50	33.90	34.70	27	19/03/2018	20/03/2018	NFX43-294 - Ultrasons (dichlorométhane) - HPLC / fluo	34.050	0.500	1.5%
180486	41.10	40.80	39.80	40.00	35	22/03/2018	23/03/2018	EN 15549 - ASE (dichlorométhane) - HPLC / fluo	40.425	0.624	1.5%
180496	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA

Table 88 - 18/172774 - S3 - Observations

Lab ID.	Observations
180402	Injection directe après ajout d'étalons internes
180405	Obs Solution S3 Injection directe
180415	
180429	
180430	BbF and BjF data are not individual compounds but together. ?BbjF result are: Replicate 1: 994.60 Replicate 2: 936.99 Replicate 3: 991.13 Replicate 4: 990.20 Uncertainty value (k=2)=6.89%
180437	
180441	
180453	injection directe de la solution.
180458	
180470	pas d'extraction -seulement dilution de l'étalon ds ACN.
180471	
180476	injection de l'extrait en direct
180477	
180479	benzo(k)= j+k
180481	Norme NFX43-294
180486	
180496	



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