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**Radiological surveillance  
of the territory and discharges  
of Class 1 and Class 2A nuclear facilities  
2023: Annexes**

**Surveillance radiologique  
du territoire et des effluents des  
établissements nucléaires  
de classe 1 et de classe 2A  
2023 : Annexes**

**Radiologisch toezicht op het  
grondgebied en de effluenten  
van nucleaire inrichtingen  
klasse 1 en klasse 2A  
2023: Bijlagen**



**Table S1. Radioactivity measurements around the nuclear site at Tihange: atmosphere, soil, the river Meuse (water, sediments, fauna & flora) and liquid releases of the nuclear power plant.**

Values are expressed in Bq/kg dry matter, Bq/liter, Bq/m<sup>2</sup> or Bq/m<sup>3</sup> (DL: detection limit).

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2023	Outdoor air	LIXHE	Be-7	Bq/m <sup>3</sup>	13	0		13	0.001889 (0.0006451 - 0.003222)
2023	Outdoor air	LIXHE	Ce-141	Bq/m <sup>3</sup>	13	13	< 9.319e-05 (3.56e-05 - 0.0002047)	0	
2023	Outdoor air	LIXHE	Ce-144	Bq/m <sup>3</sup>	13	13	< 0.0001005 (8.04e-05 - 0.000131)	0	
2023	Outdoor air	LIXHE	Cs-134	Bq/m <sup>3</sup>	13	13	< 2.795e-05 (2.33e-05 - 3.54e-05)	0	
2023	Outdoor air	LIXHE	Cs-137	Bq/m <sup>3</sup>	13	13	< 2.375e-05 (2.05e-05 - 2.93e-05)	0	
2023	Outdoor air	LIXHE	I-131	Bq/m <sup>3</sup>	13	13	< 0.02514 (0.0001916 - 0.1498)	0	
2023	Outdoor air	LIXHE	K-40	Bq/m <sup>3</sup>	13	3	< 0.000366 (0.0003059 - 0.0004041)	10	0.0005854 (0.0003319 - 0.0007427)
2023	Outdoor air	LIXHE	Nb-95	Bq/m <sup>3</sup>	13	13	< 8.978e-05 (3.78e-05 - 0.0001814)	0	
2023	Outdoor air	LIXHE	Ru-103	Bq/m <sup>3</sup>	13	13	< 6.288e-05 (2.84e-05 - 0.0001217)	0	
2023	Outdoor air	LIXHE	Ru-106	Bq/m <sup>3</sup>	13	13	< 0.0002206 (0.0001852 - 0.0002777)	0	
2023	Outdoor air	LIXHE	T-Beta	Bq/m <sup>3</sup>	361	63	< 0.0001564 (0.0001426 - 0.0001815)	298	0.0004529 (2.13e-05 - 0.00465)
2023	Outdoor air	LIXHE	Zr-95	Bq/m <sup>3</sup>	13	13	< 8.252e-05 (4.89e-05 - 0.0001297)	0	
2023	Outdoor air	TIHANGE	Be-7	Bq/m <sup>3</sup>	13	0		13	0.002291 (0.001072 - 0.005189)
2023	Outdoor air	TIHANGE	Ce-141	Bq/m <sup>3</sup>	13	13	< 9.538e-05 (5.51e-05 - 0.0001625)	0	
2023	Outdoor air	TIHANGE	Ce-144	Bq/m <sup>3</sup>	13	13	< 0.0001166 (8.54e-05 - 0.0001602)	0	
2023	Outdoor air	TIHANGE	Cs-134	Bq/m <sup>3</sup>	13	13	< 3.283e-05 (2.45e-05 - 4.76e-05)	0	
2023	Outdoor air	TIHANGE	Cs-137	Bq/m <sup>3</sup>	13	13	< 2.732e-05 (1.97e-05 - 3.79e-05)	0	
2023	Outdoor air	TIHANGE	I-131	Bq/m <sup>3</sup>	13	13	< 0.01837 (0.0003506 - 0.1326)	0	
2023	Outdoor air	TIHANGE	K-40	Bq/m <sup>3</sup>	13	2	< 0.0006481 (0.0005705 - 0.0007256)	11	0.0005999 (0.0003613 - 0.0008496)
2023	Outdoor air	TIHANGE	Nb-95	Bq/m <sup>3</sup>	13	13	< 9.358e-05 (5.53e-05 - 0.0001598)	0	
2023	Outdoor air	TIHANGE	Ru-103	Bq/m <sup>3</sup>	13	13	< 6.665e-05 (4.18e-05 - 0.0001108)	0	
2023	Outdoor air	TIHANGE	Ru-106	Bq/m <sup>3</sup>	13	13	< 0.0002598 (0.0001932 - 0.0003584)	0	
2023	Outdoor air	TIHANGE	T-Beta	Bq/m <sup>3</sup>	361	89	< 2e-04 (0.000145 - 0.0002736)	272	0.0005095 (0.0001582 - 0.003396)
2023	Outdoor air	TIHANGE	Zr-95	Bq/m <sup>3</sup>	13	13	< 9.049e-05 (6.45e-05 - 0.0001212)	0	
2023	Total deposition filtered	LIXHE	Be-7	Bq/m <sup>2</sup>	13	10	< 15.78 (13.16 - 19.38)	3	35.39 (28.85 - 47.46)
2023	Total deposition filtered	LIXHE	Ce-141	Bq/m <sup>2</sup>	13	13	< 3.335 (2.88 - 4.207)	0	
2023	Total deposition filtered	LIXHE	Ce-144	Bq/m <sup>2</sup>	13	13	< 9.645 (9.034 - 10.28)	0	
2023	Total deposition filtered	LIXHE	Cs-134	Bq/m <sup>2</sup>	13	13	< 1.443 (1.351 - 1.566)	0	
2023	Total deposition filtered	LIXHE	Cs-137	Bq/m <sup>2</sup>	13	12	< 1.46 (1.281 - 1.673)	1	2.498
2023	Total deposition filtered	LIXHE	H-3	Bq/m <sup>2</sup>	13	13	< 237 (51.8 - 465.2)	0	
2023	Total deposition filtered	LIXHE	I-131	Bq/m <sup>2</sup>	13	13	< 8.123 (4.394 - 19.16)	0	
2023	Total deposition filtered	LIXHE	K-40	Bq/m <sup>2</sup>	13	0		13	0.4526 (0.1462 - 1.316)
2023	Total deposition filtered	LIXHE	Nb-95	Bq/m <sup>2</sup>	13	13	< 2.139 (1.688 - 2.797)	0	
2023	Total deposition filtered	LIXHE	R-Beta	Bq/l	13	0		13	0.01313 (0.005717 - 0.03308)
2023	Total deposition filtered	LIXHE	Ru-103	Bq/m <sup>2</sup>	13	13	< 1.923 (1.655 - 2.518)	0	
2023	Total deposition filtered	LIXHE	Ru-106	Bq/m <sup>2</sup>	13	13	< 13.07 (11.51 - 15.32)	0	
2023	Total deposition filtered	LIXHE	T-Alfa	Bq/m <sup>2</sup>	13	3	< 0.09722 (0.04775 - 0.1766)	10	0.2053 (0.1262 - 0.3986)
2023	Total deposition filtered	LIXHE	T-Beta	Bq/m <sup>2</sup>	13	0		13	1.269 (0.5549 - 2.335)
2023	Total deposition filtered	LIXHE	Zr-95	Bq/m <sup>2</sup>	13	13	< 3.052 (2.605 - 3.763)	0	
2023	Total deposition filtered	TIHANGE	Be-7	Bq/m <sup>2</sup>	13	9	< 16.36 (13.41 - 19.43)	4	25.78 (16.88 - 33.59)
2023	Total deposition filtered	TIHANGE	Ce-141	Bq/m <sup>2</sup>	13	13	< 3.398 (2.905 - 4.264)	0	
2023	Total deposition filtered	TIHANGE	Ce-144	Bq/m <sup>2</sup>	13	13	< 9.676 (9.018 - 11.28)	0	
2023	Total deposition filtered	TIHANGE	Cs-134	Bq/m <sup>2</sup>	13	13	< 1.448 (1.307 - 1.663)	0	
2023	Total deposition filtered	TIHANGE	Cs-137	Bq/m <sup>2</sup>	13	13	< 1.471 (1.288 - 1.784)	0	
2023	Total deposition filtered	TIHANGE	H-3	Bq/m <sup>2</sup>	13	13	< 265.9 (42.54 - 454.6)	0	
2023	Total deposition filtered	TIHANGE	I-131	Bq/m <sup>2</sup>	13	13	< 8.402 (4.57 - 19.75)	0	
2023	Total deposition filtered	TIHANGE	K-40	Bq/m <sup>2</sup>	13	0		13	0.8312 (0.1239 - 4.959)
2023	Total deposition filtered	TIHANGE	Nb-95	Bq/m <sup>2</sup>	13	13	< 2.12 (1.687 - 2.759)	0	
2023	Total deposition filtered	TIHANGE	R-Beta	Bq/l	13	2	< 0.001322 (0.001267 - 0.001378)	11	0.01696 (0.002342 - 0.07084)
2023	Total deposition filtered	TIHANGE	Ru-103	Bq/m <sup>2</sup>	13	13	< 1.971 (1.643 - 2.548)	0	
2023	Total deposition filtered	TIHANGE	Ru-106	Bq/m <sup>2</sup>	13	13	< 13.07 (11.43 - 16.04)	0	
2023	Total deposition filtered	TIHANGE	T-Alfa	Bq/m <sup>2</sup>	13	0		13	0.1607 (0.07404 - 0.3866)
2023	Total deposition filtered	TIHANGE	T-Beta	Bq/m <sup>2</sup>	13	0		13	1.341 (0.4292 - 2.934)
2023	Total deposition filtered	TIHANGE	Zr-95	Bq/m <sup>2</sup>	13	13	< 3.142 (2.595 - 4.058)	0	
2023	Total deposition residue	LIXHE	Be-7	Bq/m <sup>2</sup>	13	1	< 6.241	12	15.32 (7.923 - 33.92)

2023	Total deposition residue	LIXHE	Ce-141	Bq/m <sup>2</sup>	13	13	< 1.283 (0.9755 - 1.621)	0	
2023	Total deposition residue	LIXHE	Ce-144	Bq/m <sup>2</sup>	13	13	< 3.402 (2.662 - 4.388)	0	
2023	Total deposition residue	LIXHE	Cs-134	Bq/m <sup>2</sup>	13	13	< 0.6862 (0.5516 - 0.8783)	0	
2023	Total deposition residue	LIXHE	Cs-137	Bq/m <sup>2</sup>	13	13	< 0.657 (0.4119 - 0.9481)	0	
2023	Total deposition residue	LIXHE	I-131	Bq/m <sup>2</sup>	13	13	< 3.709 (2.817 - 6.195)	0	
2023	Total deposition residue	LIXHE	K-40	Bq/m <sup>2</sup>	13	13	< 9.779 (8.019 - 12.84)	0	
2023	Total deposition residue	LIXHE	Nb-95	Bq/m <sup>2</sup>	13	13	< 0.9649 (0.7222 - 1.221)	0	
2023	Total deposition residue	LIXHE	Ru-103	Bq/m <sup>2</sup>	13	13	< 0.8604 (0.6824 - 1.052)	0	
2023	Total deposition residue	LIXHE	Ru-106	Bq/m <sup>2</sup>	13	13	< 5.949 (4.868 - 7.948)	0	
2023	Total deposition residue	LIXHE	T-Alfa	Bq/m <sup>2</sup>	13	1	< 0.01649	12	0.8437 (0.1041 - 4.091)
2023	Total deposition residue	LIXHE	T-Beta	Bq/m <sup>2</sup>	13	1	< 0.02258	12	3.031 (0.6092 - 12.33)
2023	Total deposition residue	LIXHE	Zr-95	Bq/m <sup>2</sup>	13	13	< 1.363 (1.075 - 1.753)	0	
2023	Total deposition residue	TIHANGE	Be-7	Bq/m <sup>2</sup>	13	1	< 6.869	12	16.79 (8.782 - 30.34)
2023	Total deposition residue	TIHANGE	Ce-141	Bq/m <sup>2</sup>	13	13	< 1.299 (1.083 - 1.648)	0	
2023	Total deposition residue	TIHANGE	Ce-144	Bq/m <sup>2</sup>	13	13	< 3.427 (2.898 - 4.415)	0	
2023	Total deposition residue	TIHANGE	Cs-134	Bq/m <sup>2</sup>	13	13	< 0.6742 (0.5881 - 0.8304)	0	
2023	Total deposition residue	TIHANGE	Cs-137	Bq/m <sup>2</sup>	13	13	< 0.6786 (0.6091 - 0.8347)	0	
2023	Total deposition residue	TIHANGE	I-131	Bq/m <sup>2</sup>	13	13	< 4.014 (2.905 - 7.25)	0	
2023	Total deposition residue	TIHANGE	K-40	Bq/m <sup>2</sup>	13	13	< 9.758 (8.272 - 12.92)	0	
2023	Total deposition residue	TIHANGE	Nb-95	Bq/m <sup>2</sup>	13	13	< 0.9897 (0.839 - 1.29)	0	
2023	Total deposition residue	TIHANGE	Ru-103	Bq/m <sup>2</sup>	13	13	< 0.8708 (0.7615 - 1.052)	0	
2023	Total deposition residue	TIHANGE	Ru-106	Bq/m <sup>2</sup>	13	13	< 5.853 (5.08 - 7.702)	0	
2023	Total deposition residue	TIHANGE	T-Alfa	Bq/m <sup>2</sup>	13	0		13	0.735 (0.1732 - 2.819)
2023	Total deposition residue	TIHANGE	T-Beta	Bq/m <sup>2</sup>	13	0		13	2.479 (0.6872 - 4.836)
2023	Total deposition residue	TIHANGE	Zr-95	Bq/m <sup>2</sup>	13	13	< 1.375 (1.169 - 1.714)	0	
2023	Topsoil and grass	LIXHE	Ag-110m	Bq/kg	1	1	< 1.471	0	
2023	Topsoil and grass	LIXHE	Be-7	Bq/kg	1	1	< 17.82	0	
2023	Topsoil and grass	LIXHE	Co-57	Bq/kg	1	1	< 0.7482	0	
2023	Topsoil and grass	LIXHE	Co-58	Bq/kg	1	1	< 1.778	0	
2023	Topsoil and grass	LIXHE	Co-60	Bq/kg	1	1	< 1.237	0	
2023	Topsoil and grass	LIXHE	Cs-134	Bq/kg	1	1	< 1.07	0	
2023	Topsoil and grass	LIXHE	Cs-137	Bq/kg	1	0		1	5.132
2023	Topsoil and grass	LIXHE	I-131	Bq/kg	1	1	< 275.9	0	
2023	Topsoil and grass	LIXHE	K-40	Bq/kg	1	0		1	395.9
2023	Topsoil and grass	LIXHE	Mn-54	Bq/kg	1	1	< 1.23	0	
2023	Topsoil and grass	LIXHE	Ra-226	Bq/kg	1	0		1	36.19
2023	Topsoil and grass	LIXHE	Ra-228	Bq/kg	1	0		1	29.27
2023	Topsoil and grass	LIXHE	Ru-106	Bq/kg	1	1	< 9.688	0	
2023	Topsoil and grass	LIXHE	Sb-125	Bq/kg	1	1	< 2.887	0	
2023	Topsoil and grass	LIXHE	Th-228	Bq/kg	1	0		1	34.22
2023	Topsoil and grass	LIXHE	Zn-65	Bq/kg	1	1	< 3.224	0	
2023	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Ag-110m	Bq/kg	1	1	< 1.691	0	
2023	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Be-7	Bq/kg	1	1	< 20.07	0	
2023	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Co-57	Bq/kg	1	1	< 0.8113	0	
2023	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Co-58	Bq/kg	1	1	< 2.017	0	
2023	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Co-60	Bq/kg	1	1	< 1.404	0	
2023	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Cs-134	Bq/kg	1	1	< 1.202	0	
2023	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Cs-137	Bq/kg	1	0		1	8.471
2023	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	I-131	Bq/kg	1	1	< 304.4	0	
2023	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	K-40	Bq/kg	1	0		1	430.9
2023	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Mn-54	Bq/kg	1	1	< 1.359	0	
2023	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Ra-226	Bq/kg	1	0		1	50.33
2023	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Ra-228	Bq/kg	1	0		1	34.94
2023	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Ru-106	Bq/kg	1	1	< 10.8	0	
2023	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Sb-125	Bq/kg	1	1	< 3.178	0	
2023	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Th-228	Bq/kg	1	0		1	36.74
2023	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Zn-65	Bq/kg	1	1	< 3.502	0	
2023	River water	AMPSIN	Be-7	Bq/l	26	26	< 1.304 (0.7374 - 1.551)	0	
2023	River water	AMPSIN	Ce-141	Bq/l	26	26	< 0.2771 (0.1906 - 0.3059)	0	
2023	River water	AMPSIN	Ce-144	Bq/l	26	26	< 0.9512 (0.5816 - 1.019)	0	

2023	River water	AMPSIN	Cs-134	Bq/l	26	26	< 0.1425 (0.07879 - 0.1681)	0	
2023	River water	AMPSIN	Cs-137	Bq/l	26	26	< 0.145 (0.07985 - 0.1749)	0	
2023	River water	AMPSIN	H-3	Bq/l	26	12	< 3.223 (2.899 - 4.601)	14	23.52 (6.585 - 39.76)
2023	River water	AMPSIN	I-131	Bq/l	26	26	< 0.3906 (0.2366 - 0.6187)	0	
2023	River water	AMPSIN	K-40	Bq/l	31	5	< 2.597 (2.343 - 3.078)	26	0.08296 (0.05971 - 0.1213)
2023	River water	AMPSIN	Nb-95	Bq/l	26	26	< 0.1756 (0.09714 - 0.2271)	0	
2023	River water	AMPSIN	R-Beta	Bq/l	26	22	< 0.04293 (0.03853 - 0.046)	4	0.0496 (0.04461 - 0.06039)
2023	River water	AMPSIN	Ru-103	Bq/l	26	26	< 0.163 (0.09761 - 0.1853)	0	
2023	River water	AMPSIN	Ru-106	Bq/l	26	26	< 1.286 (0.6816 - 1.515)	0	
2023	River water	AMPSIN	T-Alfa	Bq/l	26	18	< 0.02852 (0.01984 - 0.03749)	8	0.03351 (0.01885 - 0.05783)
2023	River water	AMPSIN	T-Beta	Bq/l	26	0		26	0.1039 (0.04934 - 0.1705)
2023	River water	AMPSIN	Zr-95	Bq/l	26	26	< 0.2773 (0.1432 - 0.3337)	0	
2023	River water	ANDENNE (GIVES)	Be-7	Bq/l	26	26	< 1.338 (1.072 - 1.516)	0	
2023	River water	ANDENNE (GIVES)	Ce-141	Bq/l	26	26	< 0.2828 (0.2365 - 0.3152)	0	
2023	River water	ANDENNE (GIVES)	Ce-144	Bq/l	26	26	< 0.9674 (0.8705 - 1.047)	0	
2023	River water	ANDENNE (GIVES)	Cs-134	Bq/l	26	26	< 0.1449 (0.1206 - 0.1653)	0	
2023	River water	ANDENNE (GIVES)	Cs-137	Bq/l	26	26	< 0.1476 (0.1204 - 0.1772)	0	
2023	River water	ANDENNE (GIVES)	H-3	Bq/l	26	16	< 3.268 (2.899 - 4.601)	10	20.21 (6.585 - 33.15)
2023	River water	ANDENNE (GIVES)	I-131	Bq/l	26	26	< 0.4122 (0.2611 - 0.6675)	0	
2023	River water	ANDENNE (GIVES)	K-40	Bq/l	31	5	< 2.536 (2.209 - 2.948)	26	0.08008 (0.05837 - 0.1085)
2023	River water	ANDENNE (GIVES)	Nb-95	Bq/l	26	26	< 0.1789 (0.1326 - 0.2127)	0	
2023	River water	ANDENNE (GIVES)	R-Beta	Bq/l	26	18	< 0.04157 (0.03858 - 0.04547)	8	0.05346 (0.04297 - 0.08003)
2023	River water	ANDENNE (GIVES)	Ru-103	Bq/l	26	26	< 0.1656 (0.1354 - 0.1886)	0	
2023	River water	ANDENNE (GIVES)	Ru-106	Bq/l	26	26	< 1.306 (1.013 - 1.573)	0	
2023	River water	ANDENNE (GIVES)	T-Alfa	Bq/l	26	16	< 0.02768 (0.01795 - 0.03938)	10	0.04042 (0.02291 - 0.0682)
2023	River water	ANDENNE (GIVES)	T-Beta	Bq/l	26	0		26	0.1075 (0.06496 - 0.179)
2023	River water	ANDENNE (GIVES)	Zr-95	Bq/l	26	26	< 0.2848 (0.2161 - 0.3485)	0	
2023	River water	HUY	Be-7	Bq/l	26	26	< 1.349 (0.8969 - 1.547)	0	
2023	River water	HUY	Ce-141	Bq/l	26	26	< 0.2882 (0.2379 - 0.3169)	0	
2023	River water	HUY	Ce-144	Bq/l	26	26	< 0.9673 (0.7465 - 1.056)	0	
2023	River water	HUY	Cs-134	Bq/l	26	26	< 0.1436 (0.09358 - 0.1665)	0	
2023	River water	HUY	Cs-137	Bq/l	26	26	< 0.1497 (0.08932 - 0.1848)	0	
2023	River water	HUY	H-3	Bq/l	26	16	< 3.266 (2.899 - 4.603)	10	18.71 (6.803 - 32.83)
2023	River water	HUY	I-131	Bq/l	26	26	< 0.4374 (0.2861 - 0.6754)	0	
2023	River water	HUY	K-40	Bq/l	31	5	< 2.462 (2.242 - 3.014)	26	0.08083 (0.05932 - 0.1083)
2023	River water	HUY	Nb-95	Bq/l	26	26	< 0.1831 (0.1193 - 0.2285)	0	
2023	River water	HUY	R-Beta	Bq/l	26	19	< 0.04111 (0.03917 - 0.04554)	7	0.04945 (0.04072 - 0.05874)
2023	River water	HUY	Ru-103	Bq/l	26	26	< 0.1678 (0.1141 - 0.1978)	0	
2023	River water	HUY	Ru-106	Bq/l	26	26	< 1.308 (0.7632 - 1.645)	0	
2023	River water	HUY	T-Alfa	Bq/l	26	19	< 0.02763 (0.01759 - 0.03949)	7	0.03194 (0.01788 - 0.04252)
2023	River water	HUY	T-Beta	Bq/l	26	0		26	0.1047 (0.05454 - 0.1575)
2023	River water	HUY	Zr-95	Bq/l	26	26	< 0.288 (0.1763 - 0.3403)	0	
2023	River water	LIXHE	Be-7	Bq/l	26	26	< 1.327 (0.7141 - 1.574)	0	
2023	River water	LIXHE	Ce-141	Bq/l	26	26	< 0.286 (0.1848 - 0.3273)	0	
2023	River water	LIXHE	Ce-144	Bq/l	26	26	< 0.9569 (0.583 - 1.058)	0	
2023	River water	LIXHE	Cs-134	Bq/l	26	26	< 0.1422 (0.07623 - 0.1632)	0	
2023	River water	LIXHE	Cs-137	Bq/l	26	26	< 0.146 (0.08221 - 0.175)	0	
2023	River water	LIXHE	H-3	Bq/l	26	10	< 3.276 (2.899 - 4.601)	16	15.66 (3.34 - 34.01)
2023	River water	LIXHE	I-131	Bq/l	26	26	< 0.4489 (0.2541 - 0.6918)	0	
2023	River water	LIXHE	K-40	Bq/l	31	5	< 2.469 (2.316 - 2.885)	26	0.09668 (0.06297 - 0.1868)
2023	River water	LIXHE	Nb-95	Bq/l	26	26	< 0.1802 (0.08918 - 0.2254)	0	
2023	River water	LIXHE	R-Beta	Bq/l	26	21	< 0.04104 (0.03782 - 0.04992)	5	0.05381 (0.04586 - 0.06992)
2023	River water	LIXHE	Ru-103	Bq/l	26	26	< 0.1665 (0.0932 - 0.1983)	0	
2023	River water	LIXHE	Ru-106	Bq/l	26	26	< 1.287 (0.6523 - 1.591)	0	
2023	River water	LIXHE	T-Alfa	Bq/l	26	17	< 0.02711 (0.0163 - 0.03968)	9	0.0369 (0.02201 - 0.06769)
2023	River water	LIXHE	T-Beta	Bq/l	26	0		26	0.1162 (0.05174 - 0.1848)
2023	River water	LIXHE	Zr-95	Bq/l	26	26	< 0.2794 (0.1343 - 0.3523)	0	
2023	River sediments	AMPSIN	Ag-110m	Bq/kg	13	13	< 3.676 (1.814 - 6.122)	0	
2023	River sediments	AMPSIN	Be-7	Bq/kg	13	0		13	172.4 (53.06 - 264.3)
2023	River sediments	AMPSIN	Co-57	Bq/kg	13	13	< 1.445 (0.8447 - 2.017)	0	

2023	River sediments	AMPSIN	Co-58	Bq/kg	13	13	< 4.116 (1.809 - 6.465)	0	
2023	River sediments	AMPSIN	Co-60	Bq/kg	13	8	< 3.765 (2.762 - 5.158)	5	2.703 (1.452 - 3.244)
2023	River sediments	AMPSIN	Cs-134	Bq/kg	13	13	< 2.729 (1.409 - 4.116)	0	
2023	River sediments	AMPSIN	Cs-137	Bq/kg	13	0		13	5.892 (3.718 - 7.125)
2023	River sediments	AMPSIN	I-131	Bq/kg	13	13	< 206.7 (104.8 - 378.7)	0	
2023	River sediments	AMPSIN	K-40	Bq/kg	13	0		13	399.7 (201.5 - 504.8)
2023	River sediments	AMPSIN	Mn-54	Bq/kg	13	13	< 3.004 (1.203 - 5.002)	0	
2023	River sediments	AMPSIN	Nb-95	Bq/kg	13	13	< 8.17 (3.801 - 13.79)	0	
2023	River sediments	AMPSIN	Ra-226	Bq/kg	13	0		13	48.93 (25.89 - 62.69)
2023	River sediments	AMPSIN	Ra-228	Bq/kg	13	1	< 22.63	12	38.04 (24.55 - 48.63)
2023	River sediments	AMPSIN	Th-228	Bq/kg	13	0		13	40.51 (15.13 - 50.03)
2023	River sediments	AMPSIN	U-238	Bq/kg	13	6	< 30.14 (25.18 - 34.74)	7	44.36 (37.54 - 53.8)
2023	River sediments	AMPSIN	Zn-65	Bq/kg	13	13	< 7.443 (3.708 - 12.34)	0	
2023	River sediments	ANDENNE (GIVES)	Ag-110m	Bq/kg	13	13	< 4.736 (1.589 - 9.065)	0	
2023	River sediments	ANDENNE (GIVES)	Be-7	Bq/kg	13	0		13	182.1 (80.49 - 289.9)
2023	River sediments	ANDENNE (GIVES)	Co-57	Bq/kg	13	13	< 1.807 (0.7761 - 3.027)	0	
2023	River sediments	ANDENNE (GIVES)	Co-58	Bq/kg	13	13	< 5.399 (1.499 - 10.11)	0	
2023	River sediments	ANDENNE (GIVES)	Co-60	Bq/kg	13	13	< 4.211 (1.102 - 8.594)	0	
2023	River sediments	ANDENNE (GIVES)	Cs-134	Bq/kg	13	13	< 3.651 (1.316 - 7.233)	0	
2023	River sediments	ANDENNE (GIVES)	Cs-137	Bq/kg	13	2	< 5.622 (4.342 - 6.903)	11	5.015 (3.912 - 7.669)
2023	River sediments	ANDENNE (GIVES)	I-131	Bq/kg	13	13	< 278.2 (93.8 - 654.8)	0	
2023	River sediments	ANDENNE (GIVES)	K-40	Bq/kg	13	0		13	376.6 (240.5 - 485.6)
2023	River sediments	ANDENNE (GIVES)	Mn-54	Bq/kg	13	13	< 3.948 (1.097 - 7.817)	0	
2023	River sediments	ANDENNE (GIVES)	Nb-95	Bq/kg	13	13	< 10.49 (3.316 - 20.86)	0	
2023	River sediments	ANDENNE (GIVES)	Ra-226	Bq/kg	13	0		13	46.02 (35.3 - 58.12)
2023	River sediments	ANDENNE (GIVES)	Ra-228	Bq/kg	13	2	< 26.81 (19.83 - 33.79)	11	39.17 (28.01 - 49.47)
2023	River sediments	ANDENNE (GIVES)	Th-228	Bq/kg	13	0		13	39.44 (24.49 - 49.67)
2023	River sediments	ANDENNE (GIVES)	U-238	Bq/kg	13	7	< 40.62 (26.01 - 55.56)	6	46.01 (35.34 - 56.61)
2023	River sediments	ANDENNE (GIVES)	Zn-65	Bq/kg	13	13	< 9.573 (3.001 - 17.8)	0	
2023	River sediments	LIXHE	Ag-110m	Bq/kg	13	13	< 5.015 (3.147 - 10.74)	0	
2023	River sediments	LIXHE	Be-7	Bq/kg	13	0		13	200.5 (121.6 - 410.4)
2023	River sediments	LIXHE	Co-57	Bq/kg	13	13	< 1.988 (1.232 - 4.171)	0	
2023	River sediments	LIXHE	Co-58	Bq/kg	13	13	< 5.789 (3.937 - 11.86)	0	
2023	River sediments	LIXHE	Co-60	Bq/kg	13	12	< 4.718 (2.931 - 9.863)	1	2.742
2023	River sediments	LIXHE	Cs-134	Bq/kg	13	13	< 3.937 (2.253 - 8.582)	0	
2023	River sediments	LIXHE	Cs-137	Bq/kg	13	3	< 6.903 (4.785 - 8.05)	10	5.096 (2.497 - 6.61)
2023	River sediments	LIXHE	I-131	Bq/kg	13	13	< 298.3 (182.1 - 512)	0	
2023	River sediments	LIXHE	K-40	Bq/kg	13	0		13	368.8 (205.2 - 509.2)
2023	River sediments	LIXHE	Mn-54	Bq/kg	13	13	< 4.16 (2.731 - 9.135)	0	
2023	River sediments	LIXHE	Nb-95	Bq/kg	13	13	< 11.17 (7.644 - 22.46)	0	
2023	River sediments	LIXHE	Ra-226	Bq/kg	13	0		13	46.42 (25.43 - 57.81)
2023	River sediments	LIXHE	Ra-228	Bq/kg	13	2	< 26.43 (19.96 - 32.9)	11	40.3 (21.36 - 51.92)
2023	River sediments	LIXHE	Th-228	Bq/kg	13	0		13	36.29 (18.26 - 54.45)
2023	River sediments	LIXHE	U-238	Bq/kg	13	8	< 40.68 (22.32 - 80.77)	5	46.08 (38.98 - 53.91)
2023	River sediments	LIXHE	Zn-65	Bq/kg	13	13	< 10.04 (6.395 - 21.38)	0	
2023	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Ag-110m	Bq/kg	4	4	< 6.525 (2.974 - 13.13)	0	
2023	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Be-7	Bq/kg	4	1	< 58.91	3	221.3 (64.06 - 394.2)
2023	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Co-57	Bq/kg	4	4	< 2.503 (1.325 - 4.752)	0	
2023	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Co-58	Bq/kg	4	4	< 7.539 (3.355 - 15.31)	0	
2023	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Co-60	Bq/kg	4	3	< 7.012 (3.152 - 12.61)	1	12.12
2023	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Cs-134	Bq/kg	4	4	< 5.18 (2.489 - 10.4)	0	
2023	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Cs-137	Bq/kg	4	2	< 6.702 (3.024 - 10.38)	2	5.434 (3.093 - 7.775)
2023	Freshwater aquatic mosses	AMPSIN-FLEMALLE	H-3	Bq/kg	4	3	< 17.07 (10.25 - 21.64)	1	41.94
2023	Freshwater aquatic mosses	AMPSIN-FLEMALLE	I-131	Bq/kg	4	4	< 218.8 (38.04 - 330.3)	0	
2023	Freshwater aquatic mosses	AMPSIN-FLEMALLE	K-40	Bq/kg	4	0		4	522.9 (282 - 902.9)
2023	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Mn-54	Bq/kg	4	4	< 5.385 (2.752 - 10.66)	0	
2023	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Nb-95	Bq/kg	4	4	< 11.86 (5.054 - 23.17)	0	
2023	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Ra-226	Bq/kg	4	2	< 14.5 (8.997 - 20)	2	34.86 (30.34 - 39.38)
2023	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Ra-228	Bq/kg	4	3	< 26.03 (13.3 - 44.98)	1	24.71
2023	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Th-228	Bq/kg	4	2	< 10.2 (6.346 - 14.05)	2	26.79 (24.67 - 28.91)

2023	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Zn-65	Bq/kg	4	4	< 13.2 (6.473 - 26.31)	0	
2023	Freshwater aquatic mosses	ANDENNE (GIVES)	Ag-110m	Bq/kg	4	4	< 6.255 (3.13 - 7.813)	0	
2023	Freshwater aquatic mosses	ANDENNE (GIVES)	Be-7	Bq/kg	4	0		4	145.6 (98.93 - 178)
2023	Freshwater aquatic mosses	ANDENNE (GIVES)	Co-57	Bq/kg	4	4	< 2.316 (1.277 - 2.887)	0	
2023	Freshwater aquatic mosses	ANDENNE (GIVES)	Co-58	Bq/kg	4	4	< 6.624 (3.215 - 8.476)	0	
2023	Freshwater aquatic mosses	ANDENNE (GIVES)	Co-60	Bq/kg	4	4	< 5.697 (2.13 - 7.946)	0	
2023	Freshwater aquatic mosses	ANDENNE (GIVES)	Cs-134	Bq/kg	4	4	< 4.884 (2.455 - 6.242)	0	
2023	Freshwater aquatic mosses	ANDENNE (GIVES)	Cs-137	Bq/kg	4	2	< 4.066 (3.722 - 4.409)	2	4.897 (3.928 - 5.866)
2023	Freshwater aquatic mosses	ANDENNE (GIVES)	H-3	Bq/kg	4	2	< 17.95 (15.13 - 20.78)	2	33.62 (31.78 - 35.46)
2023	Freshwater aquatic mosses	ANDENNE (GIVES)	I-131	Bq/kg	4	4	< 192.8 (93.3 - 354.5)	0	
2023	Freshwater aquatic mosses	ANDENNE (GIVES)	K-40	Bq/kg	4	0		4	298.3 (194.9 - 444.8)
2023	Freshwater aquatic mosses	ANDENNE (GIVES)	Mn-54	Bq/kg	4	4	< 5.279 (2.137 - 6.923)	0	
2023	Freshwater aquatic mosses	ANDENNE (GIVES)	Nb-95	Bq/kg	4	4	< 11.05 (5.776 - 14.53)	0	
2023	Freshwater aquatic mosses	ANDENNE (GIVES)	Ra-226	Bq/kg	4	0		4	27.26 (22.46 - 35.77)
2023	Freshwater aquatic mosses	ANDENNE (GIVES)	Ra-228	Bq/kg	4	3	< 20.87 (9.645 - 27.66)	1	32.51
2023	Freshwater aquatic mosses	ANDENNE (GIVES)	Th-228	Bq/kg	4	0		4	21.4 (14.35 - 34.97)
2023	Freshwater aquatic mosses	ANDENNE (GIVES)	Zn-65	Bq/kg	4	4	< 12.23 (5.801 - 15.17)	0	
2023	Freshwater aquatic mosses	HUY	Ag-110m	Bq/kg	4	4	< 8.022 (3.991 - 10.84)	0	
2023	Freshwater aquatic mosses	HUY	Be-7	Bq/kg	4	3	< 93.38 (75.57 - 106.3)	1	56.86
2023	Freshwater aquatic mosses	HUY	Co-57	Bq/kg	4	4	< 3.049 (1.58 - 4.191)	0	
2023	Freshwater aquatic mosses	HUY	Co-58	Bq/kg	4	4	< 9.361 (4.755 - 12.15)	0	
2023	Freshwater aquatic mosses	HUY	Co-60	Bq/kg	4	4	< 8.141 (3.963 - 11.41)	0	
2023	Freshwater aquatic mosses	HUY	Cs-134	Bq/kg	4	4	< 6.406 (3.297 - 8.94)	0	
2023	Freshwater aquatic mosses	HUY	Cs-137	Bq/kg	4	4	< 6.506 (3.204 - 8.81)	0	
2023	Freshwater aquatic mosses	HUY	H-3	Bq/kg	4	3	< 22.82 (20.47 - 26.23)	1	34.46
2023	Freshwater aquatic mosses	HUY	I-131	Bq/kg	4	4	< 275.4 (111.3 - 475.1)	0	
2023	Freshwater aquatic mosses	HUY	K-40	Bq/kg	4	0		4	527.4 (163.8 - 717.9)
2023	Freshwater aquatic mosses	HUY	Mn-54	Bq/kg	4	4	< 7.404 (3.51 - 10.43)	0	
2023	Freshwater aquatic mosses	HUY	Nb-95	Bq/kg	4	4	< 14.94 (6.65 - 21.15)	0	
2023	Freshwater aquatic mosses	HUY	Ra-226	Bq/kg	4	3	< 12.02 (6.584 - 17.75)	1	32.24
2023	Freshwater aquatic mosses	HUY	Ra-228	Bq/kg	4	4	< 29.21 (14.17 - 40.14)	0	
2023	Freshwater aquatic mosses	HUY	Th-228	Bq/kg	4	4	< 8.869 (4.493 - 11.9)	0	
2023	Freshwater aquatic mosses	HUY	Zn-65	Bq/kg	4	4	< 16.94 (8.739 - 23.52)	0	
2023	Freshwater aquatic mosses	WISE (LIXHE)	Ag-110m	Bq/kg	4	4	< 5.755 (3.555 - 9.776)	0	
2023	Freshwater aquatic mosses	WISE (LIXHE)	Be-7	Bq/kg	4	3	< 73.02 (51.81 - 109.1)	1	177.2
2023	Freshwater aquatic mosses	WISE (LIXHE)	Co-57	Bq/kg	4	4	< 2.287 (1.408 - 3.89)	0	
2023	Freshwater aquatic mosses	WISE (LIXHE)	Co-58	Bq/kg	4	4	< 6.791 (3.78 - 11.49)	0	
2023	Freshwater aquatic mosses	WISE (LIXHE)	Co-60	Bq/kg	4	4	< 5.888 (3.821 - 10.18)	0	
2023	Freshwater aquatic mosses	WISE (LIXHE)	Cs-134	Bq/kg	4	4	< 4.643 (2.976 - 8.079)	0	
2023	Freshwater aquatic mosses	WISE (LIXHE)	Cs-137	Bq/kg	4	3	< 5.515 (3.763 - 8.214)	1	3.101
2023	Freshwater aquatic mosses	WISE (LIXHE)	H-3	Bq/kg	4	3	< 17.08 (9.742 - 21.54)	1	34.58
2023	Freshwater aquatic mosses	WISE (LIXHE)	I-131	Bq/kg	4	4	< 207.5 (46.85 - 291.3)	0	
2023	Freshwater aquatic mosses	WISE (LIXHE)	K-40	Bq/kg	4	0		4	457.8 (258 - 899.6)
2023	Freshwater aquatic mosses	WISE (LIXHE)	Mn-54	Bq/kg	4	4	< 5.294 (3.285 - 9.016)	0	
2023	Freshwater aquatic mosses	WISE (LIXHE)	Nb-95	Bq/kg	4	4	< 11.22 (5.957 - 18.35)	0	
2023	Freshwater aquatic mosses	WISE (LIXHE)	Ra-226	Bq/kg	4	2	< 11.24 (7.623 - 14.85)	2	31.55 (31.51 - 31.6)
2023	Freshwater aquatic mosses	WISE (LIXHE)	Ra-228	Bq/kg	4	3	< 23.75 (16.15 - 36.06)	1	28.61
2023	Freshwater aquatic mosses	WISE (LIXHE)	Th-228	Bq/kg	4	2	< 8.022 (5.324 - 10.72)	2	24.19 (21.91 - 26.47)
2023	Freshwater aquatic mosses	WISE (LIXHE)	Zn-65	Bq/kg	4	4	< 12.45 (7.403 - 22.15)	0	
2023	Freshwater aquatic plants	AMPSIN-FLEMALLE	Ag-110m	Bq/kg	4	4	< 3.619 (1.715 - 6.095)	0	
2023	Freshwater aquatic plants	AMPSIN-FLEMALLE	Be-7	Bq/kg	4	1	< 38.53	3	80.02 (72.3 - 94.34)
2023	Freshwater aquatic plants	AMPSIN-FLEMALLE	Co-57	Bq/kg	4	4	< 1.493 (0.8293 - 2.391)	0	
2023	Freshwater aquatic plants	AMPSIN-FLEMALLE	Co-58	Bq/kg	4	4	< 4.46 (2.17 - 7.39)	0	
2023	Freshwater aquatic plants	AMPSIN-FLEMALLE	Co-60	Bq/kg	4	4	< 3.951 (1.919 - 6.827)	0	
2023	Freshwater aquatic plants	AMPSIN-FLEMALLE	Cs-134	Bq/kg	4	4	< 3.022 (1.535 - 5.128)	0	
2023	Freshwater aquatic plants	AMPSIN-FLEMALLE	Cs-137	Bq/kg	4	4	< 2.813 (1.234 - 5.119)	0	
2023	Freshwater aquatic plants	AMPSIN-FLEMALLE	H-3	Bq/kg	4	3	< 20.51 (18.99 - 21.65)	1	25.47
2023	Freshwater aquatic plants	AMPSIN-FLEMALLE	I-131	Bq/kg	4	4	< 173.5 (27.83 - 339.4)	0	
2023	Freshwater aquatic plants	AMPSIN-FLEMALLE	K-40	Bq/kg	4	1	< 28.51	3	405.8 (214.8 - 736.5)
2023	Freshwater aquatic plants	AMPSIN-FLEMALLE	Mn-54	Bq/kg	4	4	< 3.374 (1.589 - 5.608)	0	

2023	Freshwater aquatic plants	AMPSIN-FLEMALLE	Nb-95	Bq/kg	4	4	< 7.44 (3.149 - 12.01)	0	
2023	Freshwater aquatic plants	AMPSIN-FLEMALLE	Ra-226	Bq/kg	4	4	< 5.665 (2.992 - 9.286)	0	
2023	Freshwater aquatic plants	AMPSIN-FLEMALLE	Ra-228	Bq/kg	4	4	< 13.09 (7.034 - 21.45)	0	
2023	Freshwater aquatic plants	AMPSIN-FLEMALLE	Th-228	Bq/kg	4	4	< 4.099 (2.282 - 6.522)	0	
2023	Freshwater aquatic plants	AMPSIN-FLEMALLE	Zn-65	Bq/kg	4	4	< 7.76 (4.053 - 13.43)	0	
2023	Freshwater aquatic plants	ANDENNE (GIVES)	Ag-110m	Bq/kg	4	4	< 4.703 (2.305 - 7.154)	0	
2023	Freshwater aquatic plants	ANDENNE (GIVES)	Be-7	Bq/kg	4	1	< 55.44	3	91.56 (52.31 - 159.1)
2023	Freshwater aquatic plants	ANDENNE (GIVES)	Co-57	Bq/kg	4	4	< 1.85 (1.025 - 2.76)	0	
2023	Freshwater aquatic plants	ANDENNE (GIVES)	Co-58	Bq/kg	4	4	< 5.674 (2.809 - 8.691)	0	
2023	Freshwater aquatic plants	ANDENNE (GIVES)	Co-60	Bq/kg	4	4	< 4.703 (2.302 - 7.094)	0	
2023	Freshwater aquatic plants	ANDENNE (GIVES)	Cs-134	Bq/kg	4	4	< 3.769 (1.776 - 5.68)	0	
2023	Freshwater aquatic plants	ANDENNE (GIVES)	Cs-137	Bq/kg	4	4	< 3.825 (2.032 - 5.703)	0	
2023	Freshwater aquatic plants	ANDENNE (GIVES)	H-3	Bq/kg	4	4	< 22.11 (20.16 - 24.69)	0	
2023	Freshwater aquatic plants	ANDENNE (GIVES)	I-131	Bq/kg	4	4	< 201.4 (64.32 - 366.1)	0	
2023	Freshwater aquatic plants	ANDENNE (GIVES)	K-40	Bq/kg	4	0		4	407.6 (277.9 - 568.7)
2023	Freshwater aquatic plants	ANDENNE (GIVES)	Mn-54	Bq/kg	4	4	< 4.178 (2.04 - 6.275)	0	
2023	Freshwater aquatic plants	ANDENNE (GIVES)	Nb-95	Bq/kg	4	4	< 8.959 (4.929 - 12.77)	0	
2023	Freshwater aquatic plants	ANDENNE (GIVES)	Ra-226	Bq/kg	4	4	< 7.289 (2.931 - 11.24)	0	
2023	Freshwater aquatic plants	ANDENNE (GIVES)	Ra-228	Bq/kg	4	4	< 16.7 (7.849 - 25.42)	0	
2023	Freshwater aquatic plants	ANDENNE (GIVES)	Th-228	Bq/kg	4	4	< 5.168 (2.852 - 7.668)	0	
2023	Freshwater aquatic plants	ANDENNE (GIVES)	Zn-65	Bq/kg	4	4	< 9.915 (5.263 - 15.36)	0	
2023	Freshwater aquatic plants	HUY	Ag-110m	Bq/kg	4	4	< 3.3 (1.426 - 5)	3	
2023	Freshwater aquatic plants	HUY	Be-7	Bq/kg	4	1	< 59.53	3	110 (80.74 - 152.5)
2023	Freshwater aquatic plants	HUY	Co-57	Bq/kg	4	4	< 1.389 (0.649 - 2.064)	0	
2023	Freshwater aquatic plants	HUY	Co-58	Bq/kg	4	4	< 4.169 (1.648 - 6.136)	0	
2023	Freshwater aquatic plants	HUY	Co-60	Bq/kg	4	4	< 3.415 (1.549 - 5.213)	0	
2023	Freshwater aquatic plants	HUY	Cs-134	Bq/kg	4	4	< 2.772 (1.107 - 4.248)	0	
2023	Freshwater aquatic plants	HUY	Cs-137	Bq/kg	4	4	< 2.708 (1.336 - 3.926)	0	
2023	Freshwater aquatic plants	HUY	H-3	Bq/kg	4	3	< 20.47 (19.35 - 21.61)	1	36.4
2023	Freshwater aquatic plants	HUY	I-131	Bq/kg	4	4	< 179.6 (23.85 - 371.4)	0	
2023	Freshwater aquatic plants	HUY	K-40	Bq/kg	4	0		4	239.4 (212.6 - 265.8)
2023	Freshwater aquatic plants	HUY	Mn-54	Bq/kg	4	4	< 3.126 (1.369 - 4.722)	0	
2023	Freshwater aquatic plants	HUY	Nb-95	Bq/kg	4	4	< 6.852 (2.404 - 9.941)	0	
2023	Freshwater aquatic plants	HUY	Ra-226	Bq/kg	4	2	< 4.449 (2.457 - 6.44)	2	5.477 (3.316 - 7.638)
2023	Freshwater aquatic plants	HUY	Ra-228	Bq/kg	4	4	< 12.58 (5.5 - 19.38)	0	
2023	Freshwater aquatic plants	HUY	Th-228	Bq/kg	4	4	< 3.882 (1.813 - 5.707)	0	
2023	Freshwater aquatic plants	HUY	Zn-65	Bq/kg	4	4	< 7.201 (3.117 - 10.9)	0	
2023	Freshwater aquatic plants	WISE (LIXHE)	Ag-110m	Bq/kg	4	4	< 4.214 (3.1 - 5.378)	0	
2023	Freshwater aquatic plants	WISE (LIXHE)	Be-7	Bq/kg	4	0		4	229.3 (39.15 - 383.1)
2023	Freshwater aquatic plants	WISE (LIXHE)	Co-57	Bq/kg	4	4	< 1.709 (1.375 - 1.966)	0	
2023	Freshwater aquatic plants	WISE (LIXHE)	Co-58	Bq/kg	4	4	< 4.953 (4.126 - 5.876)	0	
2023	Freshwater aquatic plants	WISE (LIXHE)	Co-60	Bq/kg	4	4	< 4.135 (3.242 - 5.142)	0	
2023	Freshwater aquatic plants	WISE (LIXHE)	Cs-134	Bq/kg	4	4	< 3.369 (2.538 - 4.036)	0	
2023	Freshwater aquatic plants	WISE (LIXHE)	Cs-137	Bq/kg	4	4	< 3.571 (2.715 - 4.265)	0	
2023	Freshwater aquatic plants	WISE (LIXHE)	H-3	Bq/kg	4	3	< 20.28 (19.92 - 20.68)	1	65.71
2023	Freshwater aquatic plants	WISE (LIXHE)	I-131	Bq/kg	4	4	< 193.3 (72.45 - 320.8)	0	
2023	Freshwater aquatic plants	WISE (LIXHE)	K-40	Bq/kg	4	0		4	343.8 (147 - 535.4)
2023	Freshwater aquatic plants	WISE (LIXHE)	Mn-54	Bq/kg	4	4	< 3.692 (2.787 - 4.642)	0	
2023	Freshwater aquatic plants	WISE (LIXHE)	Nb-95	Bq/kg	4	4	< 8.522 (7.283 - 9.951)	0	
2023	Freshwater aquatic plants	WISE (LIXHE)	Ra-226	Bq/kg	4	3	< 6.932 (6.314 - 8.053)	1	5.307
2023	Freshwater aquatic plants	WISE (LIXHE)	Ra-228	Bq/kg	4	4	< 14.85 (11.33 - 17.22)	0	
2023	Freshwater aquatic plants	WISE (LIXHE)	Th-228	Bq/kg	4	4	< 4.762 (3.795 - 5.6)	0	
2023	Freshwater aquatic plants	WISE (LIXHE)	Zn-65	Bq/kg	4	4	< 8.898 (7.214 - 10.59)	0	
2023	Freshwater mussels	AMPSIN-FLEMALLE	Ag-110m	Bq/kg	4	4	< 2.163 (2.133 - 2.198)	0	
2023	Freshwater mussels	AMPSIN-FLEMALLE	Be-7	Bq/kg	4	3	< 21.85 (20.78 - 23.17)	1	24.64
2023	Freshwater mussels	AMPSIN-FLEMALLE	Co-57	Bq/kg	4	4	< 0.9413 (0.8493 - 1.013)	0	
2023	Freshwater mussels	AMPSIN-FLEMALLE	Co-58	Bq/kg	4	4	< 2.441 (2.291 - 2.561)	0	
2023	Freshwater mussels	AMPSIN-FLEMALLE	Co-60	Bq/kg	4	3	< 2.05 (1.888 - 2.289)	1	2.391
2023	Freshwater mussels	AMPSIN-FLEMALLE	Cs-134	Bq/kg	4	4	< 1.735 (1.591 - 1.842)	0	
2023	Freshwater mussels	AMPSIN-FLEMALLE	Cs-137	Bq/kg	4	4	< 1.631 (1.378 - 1.892)	0	

2023	Freshwater mussels	AMPSIN-FLEMALLE	H-3	Bq/kg	4	3	< 17.96 (16.77 - 19.92)	1	37.48
2023	Freshwater mussels	AMPSIN-FLEMALLE	I-131	Bq/kg	4	4	< 111 (39.36 - 153.5)	0	
2023	Freshwater mussels	AMPSIN-FLEMALLE	K-40	Bq/kg	4	1	< 26.77	3	34.34 (25.23 - 51.02)
2023	Freshwater mussels	AMPSIN-FLEMALLE	Mn-54	Bq/kg	4	4	< 1.854 (1.628 - 2.054)	0	
2023	Freshwater mussels	AMPSIN-FLEMALLE	Nb-95	Bq/kg	4	4	< 4.298 (3.861 - 4.646)	0	
2023	Freshwater mussels	AMPSIN-FLEMALLE	Ra-226	Bq/kg	4	0		4	7.596 (4.248 - 11.63)
2023	Freshwater mussels	AMPSIN-FLEMALLE	Ra-228	Bq/kg	4	4	< 6.932 (6.43 - 7.419)	0	
2023	Freshwater mussels	AMPSIN-FLEMALLE	Th-228	Bq/kg	4	0		4	3.112 (2.597 - 3.578)
2023	Freshwater mussels	AMPSIN-FLEMALLE	Zn-65	Bq/kg	4	4	< 4.116 (3.826 - 4.509)	0	
2023	Freshwater mussels	ANDENNE (GIVES)	Ag-110m	Bq/kg	4	4	< 1.452 (0.7202 - 2.112)	0	
2023	Freshwater mussels	ANDENNE (GIVES)	Be-7	Bq/kg	4	0		4	27.29 (12.72 - 36.67)
2023	Freshwater mussels	ANDENNE (GIVES)	Co-57	Bq/kg	4	4	< 0.7045 (0.4486 - 0.9713)	0	
2023	Freshwater mussels	ANDENNE (GIVES)	Co-58	Bq/kg	4	4	< 1.719 (0.8669 - 2.507)	0	
2023	Freshwater mussels	ANDENNE (GIVES)	Co-60	Bq/kg	4	4	< 1.294 (0.5863 - 1.893)	0	
2023	Freshwater mussels	ANDENNE (GIVES)	Cs-134	Bq/kg	4	4	< 1.209 (0.6829 - 1.727)	0	
2023	Freshwater mussels	ANDENNE (GIVES)	Cs-137	Bq/kg	4	4	< 1.097 (0.4507 - 1.693)	0	
2023	Freshwater mussels	ANDENNE (GIVES)	H-3	Bq/kg	4	3	< 18.89 (17.24 - 20.37)	1	39.71
2023	Freshwater mussels	ANDENNE (GIVES)	I-131	Bq/kg	4	4	< 85.58 (17.14 - 146.2)	0	
2023	Freshwater mussels	ANDENNE (GIVES)	K-40	Bq/kg	4	2	< 18.18 (8.61 - 27.76)	2	70.93 (65.78 - 76.07)
2023	Freshwater mussels	ANDENNE (GIVES)	Mn-54	Bq/kg	4	4	< 1.329 (0.5807 - 1.934)	0	
2023	Freshwater mussels	ANDENNE (GIVES)	Nb-95	Bq/kg	4	4	< 3.077 (1.632 - 4.534)	0	
2023	Freshwater mussels	ANDENNE (GIVES)	Ra-226	Bq/kg	4	0		4	8.328 (6.143 - 9.644)
2023	Freshwater mussels	ANDENNE (GIVES)	Ra-228	Bq/kg	4	2	< 8.067 (8.006 - 8.128)	2	6.945 (3.655 - 10.23)
2023	Freshwater mussels	ANDENNE (GIVES)	Th-228	Bq/kg	4	0		4	6.719 (2.094 - 10.59)
2023	Freshwater mussels	ANDENNE (GIVES)	Zn-65	Bq/kg	4	4	< 2.971 (1.498 - 4.574)	0	
2023	Freshwater mussels	WISE (LIXHE)	Ag-110m	Bq/kg	4	4	< 1.713 (0.783 - 2.12)	0	
2023	Freshwater mussels	WISE (LIXHE)	Be-7	Bq/kg	4	1	< 21.67	3	20.77 (9.083 - 29.06)
2023	Freshwater mussels	WISE (LIXHE)	Co-57	Bq/kg	4	4	< 0.7892 (0.4239 - 0.9785)	0	
2023	Freshwater mussels	WISE (LIXHE)	Co-58	Bq/kg	4	4	< 2.003 (0.9602 - 2.613)	0	
2023	Freshwater mussels	WISE (LIXHE)	Co-60	Bq/kg	4	4	< 1.483 (0.7465 - 1.906)	0	
2023	Freshwater mussels	WISE (LIXHE)	Cs-134	Bq/kg	4	4	< 1.438 (0.6957 - 1.83)	0	
2023	Freshwater mussels	WISE (LIXHE)	Cs-137	Bq/kg	4	4	< 1.334 (0.7066 - 1.799)	0	
2023	Freshwater mussels	WISE (LIXHE)	H-3	Bq/kg	4	3	< 19.52 (18.74 - 20.69)	1	46.46
2023	Freshwater mussels	WISE (LIXHE)	I-131	Bq/kg	4	4	< 107.9 (15.61 - 160.9)	0	
2023	Freshwater mussels	WISE (LIXHE)	K-40	Bq/kg	4	4	< 21.75 (10.87 - 27.57)	0	
2023	Freshwater mussels	WISE (LIXHE)	Mn-54	Bq/kg	4	4	< 1.444 (0.7145 - 1.885)	0	
2023	Freshwater mussels	WISE (LIXHE)	Nb-95	Bq/kg	4	4	< 3.565 (1.484 - 4.586)	0	
2023	Freshwater mussels	WISE (LIXHE)	Ra-226	Bq/kg	4	0		4	5.382 (2.391 - 7.691)
2023	Freshwater mussels	WISE (LIXHE)	Ra-228	Bq/kg	4	3	< 6.832 (6.08 - 8.006)	1	4.216
2023	Freshwater mussels	WISE (LIXHE)	Th-228	Bq/kg	4	2	< 2.234 (1.891 - 2.578)	2	2.107 (1.216 - 2.999)
2023	Freshwater mussels	WISE (LIXHE)	Zn-65	Bq/kg	4	4	< 3.418 (1.652 - 4.689)	0	
2023	Wastewater (NPP Tihange)	TIHANGE (Purging steam generators)	Ag-110m	Bq/l	11	11	< 1.406 (1.296 - 1.529)	0	
2023	Wastewater (NPP Tihange)	TIHANGE (Purging steam generators)	Be-7	Bq/l	11	11	< 14.42 (11.47 - 19.84)	0	
2023	Wastewater (NPP Tihange)	TIHANGE (Purging steam generators)	Ce-141	Bq/l	11	11	< 3.082 (1.998 - 4.945)	0	
2023	Wastewater (NPP Tihange)	TIHANGE (Purging steam generators)	Ce-144	Bq/l	11	11	< 6.269 (5.996 - 6.581)	0	
2023	Wastewater (NPP Tihange)	TIHANGE (Purging steam generators)	Co-57	Bq/l	11	11	< 0.7626 (0.7193 - 0.8183)	0	
2023	Wastewater (NPP Tihange)	TIHANGE (Purging steam generators)	Co-58	Bq/l	11	10	< 1.527 (1.27 - 1.869)	1	5.865
2023	Wastewater (NPP Tihange)	TIHANGE (Purging steam generators)	Co-60	Bq/l	11	11	< 1.228 (1.13 - 1.307)	0	
2023	Wastewater (NPP Tihange)	TIHANGE (Purging steam generators)	Cr-51	Bq/l	11	11	< 23.13 (13.92 - 39.1)	0	
2023	Wastewater (NPP Tihange)	TIHANGE (Purging steam generators)	Cs-134	Bq/l	11	11	< 1.26 (1.206 - 1.329)	0	
2023	Wastewater (NPP Tihange)	TIHANGE (Purging steam generators)	Cs-137	Bq/l	11	11	< 1.155 (1.095 - 1.271)	0	
2023	Wastewater (NPP Tihange)	TIHANGE (Purging steam generators)	Fe-59	Bq/l	11	11	< 3.628 (2.682 - 5.264)	0	
2023	Wastewater (NPP Tihange)	TIHANGE (Purging steam generators)	H-3	Bq/l	11	0		11	10420 (77.51 - 106700)
2023	Wastewater (NPP Tihange)	TIHANGE (Purging steam generators)	I-131	Bq/l	11	11	< 57.68 (5.024 - 211.6)	0	
2023	Wastewater (NPP Tihange)	TIHANGE (Purging steam generators)	Mn-54	Bq/l	11	11	< 1.164 (1.074 - 1.259)	0	
2023	Wastewater (NPP Tihange)	TIHANGE (Purging steam generators)	Nb-95	Bq/l	11	11	< 2.354 (1.633 - 3.557)	0	
2023	Wastewater (NPP Tihange)	TIHANGE (Purging steam generators)	Ru-103	Bq/l	11	11	< 2.035 (1.456 - 3.08)	0	
2023	Wastewater (NPP Tihange)	TIHANGE (Purging steam generators)	Ru-106	Bq/l	11	11	< 10.73 (10.11 - 11.44)	0	
2023	Wastewater (NPP Tihange)	TIHANGE (Purging steam generators)	Sb-124	Bq/l	11	10	< 1.758 (1.353 - 2.259)	1	1.792
2023	Wastewater (NPP Tihange)	TIHANGE (Purging steam generators)	Sb-125	Bq/l	11	11	< 3.396 (3.252 - 3.5)	0	



2023	Wastewater (NPP Tihange)	TIHANGE (Purging steam generators)	Sn-113	Bq/l	11	11	< 1.612 (1.461 - 1.881)	0	
2023	Wastewater (NPP Tihange)	TIHANGE (Purging steam generators)	Te-123m	Bq/l	11	11	< 0.9353 (0.8515 - 1.058)	0	
2023	Wastewater (NPP Tihange)	TIHANGE (Purging steam generators)	Zn-65	Bq/l	11	11	< 2.646 (2.498 - 2.852)	0	
2023	Wastewater (NPP Tihange)	TIHANGE (Purging steam generators)	Zr-95	Bq/l	11	11	< 2.779 (2.262 - 3.631)	0	
2023	Wastewater (NPP Tihange)	TIHANGE (Primary effluents)	Ag-108m	Bq/l	13	13	< 1.392 (1.108 - 1.622)	0	
2023	Wastewater (NPP Tihange)	TIHANGE (Primary effluents)	Ag-110m	Bq/l	13	3	< 1.782 (1.323 - 2.162)	10	4.75 (1.553 - 14.05)
2023	Wastewater (NPP Tihange)	TIHANGE (Primary effluents)	Be-7	Bq/l	13	13	< 15.57 (9.766 - 23.66)	0	
2023	Wastewater (NPP Tihange)	TIHANGE (Primary effluents)	Ce-141	Bq/l	13	13	< 2.916 (1.627 - 5.186)	0	
2023	Wastewater (NPP Tihange)	TIHANGE (Primary effluents)	Ce-144	Bq/l	13	13	< 6.505 (5.859 - 7.314)	0	
2023	Wastewater (NPP Tihange)	TIHANGE (Primary effluents)	Co-57	Bq/l	13	13	< 0.8034 (0.7055 - 0.8926)	0	
2023	Wastewater (NPP Tihange)	TIHANGE (Primary effluents)	Co-58	Bq/l	13	1	< 1.175	12	5.291 (2.283 - 11.3)
2023	Wastewater (NPP Tihange)	TIHANGE (Primary effluents)	Co-60	Bq/l	13	1	< 1.229	12	25.78 (2.808 - 91.65)
2023	Wastewater (NPP Tihange)	TIHANGE (Primary effluents)	Cr-51	Bq/l	13	13	< 22.37 (10.94 - 43.69)	0	
2023	Wastewater (NPP Tihange)	TIHANGE (Primary effluents)	Cs-134	Bq/l	13	13	< 1.548 (1.271 - 1.842)	0	
2023	Wastewater (NPP Tihange)	TIHANGE (Primary effluents)	Cs-137	Bq/l	13	1	< 1.176	12	16.5 (1.115 - 56.46)
2023	Wastewater (NPP Tihange)	TIHANGE (Primary effluents)	Fe-59	Bq/l	13	13	< 3.959 (2.368 - 6.33)	0	
2023	Wastewater (NPP Tihange)	TIHANGE (Primary effluents)	H-3	Bq/l	13	0		13	2406000 (87120 - 6704000)
2023	Wastewater (NPP Tihange)	TIHANGE (Primary effluents)	I-131	Bq/l	13	13	< 42.82 (2.306 - 221.4)	0	
2023	Wastewater (NPP Tihange)	TIHANGE (Primary effluents)	Mn-54	Bq/l	13	3	< 1.145 (1.084 - 1.193)	10	3.004 (1.375 - 4.922)
2023	Wastewater (NPP Tihange)	TIHANGE (Primary effluents)	Nb-95	Bq/l	13	13	< 2.551 (1.338 - 4.519)	0	
2023	Wastewater (NPP Tihange)	TIHANGE (Primary effluents)	Ru-103	Bq/l	13	13	< 2.122 (1.203 - 3.515)	0	
2023	Wastewater (NPP Tihange)	TIHANGE (Primary effluents)	Ru-106	Bq/l	13	13	< 12.15 (10.45 - 14.56)	0	
2023	Wastewater (NPP Tihange)	TIHANGE (Primary effluents)	Sb-124	Bq/l	13	9	< 2.168 (1.311 - 3.217)	4	3.957 (1.275 - 8.763)
2023	Wastewater (NPP Tihange)	TIHANGE (Primary effluents)	Sb-125	Bq/l	13	11	< 4.013 (3.475 - 4.7)	2	8.808 (8.614 - 9.002)
2023	Wastewater (NPP Tihange)	TIHANGE (Primary effluents)	Sn-113	Bq/l	13	13	< 1.751 (1.348 - 2.202)	0	
2023	Wastewater (NPP Tihange)	TIHANGE (Primary effluents)	Te-123m	Bq/l	13	13	< 0.9835 (0.8172 - 1.193)	0	
2023	Wastewater (NPP Tihange)	TIHANGE (Primary effluents)	Zn-65	Bq/l	13	13	< 2.997 (2.393 - 3.835)	0	
2023	Wastewater (NPP Tihange)	TIHANGE (Primary effluents)	Zr-95	Bq/l	13	13	< 3.042 (2.083 - 4.274)	0	

**Table S2. Radioactivity measurements around the nuclear site at Fleurus: atmosphere, soil and the river Sambre (fauna & flora).**

Values are expressed in Bq/kg dry matter, Bq/m<sup>2</sup> or Bq/m<sup>3</sup> (DL: detection limit).

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2023	Outdoor air	FLEURUS	Be-7	Bq/m <sup>3</sup>	13	0		13	0.002244 (0.001293 - 0.003446)
2023	Outdoor air	FLEURUS	Ce-141	Bq/m <sup>3</sup>	13	13	< 8.589e-05 (1.88e-05 - 0.000205)	0	
2023	Outdoor air	FLEURUS	Ce-144	Bq/m <sup>3</sup>	13	13	< 9.527e-05 (4.12e-05 - 0.0001255)	0	
2023	Outdoor air	FLEURUS	Cs-134	Bq/m <sup>3</sup>	13	13	< 2.658e-05 (1.45e-05 - 3.48e-05)	0	
2023	Outdoor air	FLEURUS	Cs-137	Bq/m <sup>3</sup>	13	13	< 2.199e-05 (1.18e-05 - 2.79e-05)	0	
2023	Outdoor air	FLEURUS	I-131	Bq/m <sup>3</sup>	13	13	< 0.0196 (0.000112 - 0.1511)	0	
2023	Outdoor air	FLEURUS	K-40	Bq/m <sup>3</sup>	13	1	< 0.0004221	12	0.0005663 (0.0004317 - 0.0007772)
2023	Outdoor air	FLEURUS	Nb-95	Bq/m <sup>3</sup>	13	13	< 8.335e-05 (2.05e-05 - 0.0001912)	0	
2023	Outdoor air	FLEURUS	Ru-103	Bq/m <sup>3</sup>	13	13	< 6.002e-05 (1.64e-05 - 0.0001338)	0	
2023	Outdoor air	FLEURUS	Ru-106	Bq/m <sup>3</sup>	13	13	< 0.0002129 (0.0001029 - 0.0002795)	0	
2023	Outdoor air	FLEURUS	T-Beta	Bq/m <sup>3</sup>	352	67	< 0.0001513 (0.0001377 - 0.0002985)	285	0.0004769 (0.0001524 - 0.003767)
2023	Outdoor air	FLEURUS	Zr-95	Bq/m <sup>3</sup>	13	13	< 7.754e-05 (2.6e-05 - 0.0001291)	0	
2023	Total deposition filtered	FLEURUS	Be-7	Bq/m <sup>2</sup>	13	7	< 15.25 (11.88 - 20.05)	6	37.19 (16.66 - 76.69)
2023	Total deposition filtered	FLEURUS	Ce-141	Bq/m <sup>2</sup>	13	13	< 3.248 (2.819 - 4.204)	0	
2023	Total deposition filtered	FLEURUS	Ce-144	Bq/m <sup>2</sup>	13	13	< 9.564 (8.981 - 10.11)	0	
2023	Total deposition filtered	FLEURUS	Cs-134	Bq/m <sup>2</sup>	13	13	< 1.418 (1.31 - 1.563)	0	
2023	Total deposition filtered	FLEURUS	Cs-137	Bq/m <sup>2</sup>	13	13	< 1.431 (1.228 - 1.66)	0	
2023	Total deposition filtered	FLEURUS	H-3	Bq/m <sup>2</sup>	13	13	< 281.2 (41.95 - 496.8)	0	
2023	Total deposition filtered	FLEURUS	I-131	Bq/m <sup>2</sup>	13	13	< 7.436 (4.133 - 17.88)	0	
2023	Total deposition filtered	FLEURUS	K-40	Bq/m <sup>2</sup>	13	0		13	0.6948 (0.1597 - 1.371)
2023	Total deposition filtered	FLEURUS	Nb-95	Bq/m <sup>2</sup>	13	13	< 2.064 (1.641 - 3)	0	
2023	Total deposition filtered	FLEURUS	R-Beta	Bq/l	13	1	< 0.002265	12	0.02019 (0.004624 - 0.06133)
2023	Total deposition filtered	FLEURUS	Ru-103	Bq/m <sup>2</sup>	13	13	< 1.856 (1.559 - 2.299)	0	
2023	Total deposition filtered	FLEURUS	Ru-106	Bq/m <sup>2</sup>	13	13	< 12.79 (11.39 - 15.39)	0	
2023	Total deposition filtered	FLEURUS	T-Alfa	Bq/m <sup>2</sup>	13	1	< 0.08619	12	0.3212 (0.08433 - 0.7311)
2023	Total deposition filtered	FLEURUS	T-Beta	Bq/m <sup>2</sup>	13	0		13	1.872 (0.3487 - 3.111)
2023	Total deposition filtered	FLEURUS	Zr-95	Bq/m <sup>2</sup>	13	13	< 3.045 (2.663 - 3.845)	0	
2023	Total deposition residue	FLEURUS	Be-7	Bq/m <sup>2</sup>	13	1	< 4.879	12	17.73 (7.698 - 34.33)
2023	Total deposition residue	FLEURUS	Ce-141	Bq/m <sup>2</sup>	13	13	< 1.2 (0.6457 - 2.022)	0	
2023	Total deposition residue	FLEURUS	Ce-144	Bq/m <sup>2</sup>	13	13	< 3.199 (1.866 - 4.12)	0	
2023	Total deposition residue	FLEURUS	Cs-134	Bq/m <sup>2</sup>	13	13	< 0.6373 (0.4109 - 0.867)	0	
2023	Total deposition residue	FLEURUS	Cs-137	Bq/m <sup>2</sup>	13	12	< 0.6443 (0.4152 - 0.8824)	1	0.4964
2023	Total deposition residue	FLEURUS	I-131	Bq/m <sup>2</sup>	13	13	< 3.934 (1.356 - 16.08)	0	
2023	Total deposition residue	FLEURUS	K-40	Bq/m <sup>2</sup>	13	13	< 9.068 (5.64 - 11.7)	0	
2023	Total deposition residue	FLEURUS	Nb-95	Bq/m <sup>2</sup>	13	13	< 0.8999 (0.5173 - 1.473)	0	
2023	Total deposition residue	FLEURUS	Ru-103	Bq/m <sup>2</sup>	13	13	< 0.803 (0.4471 - 1.303)	0	
2023	Total deposition residue	FLEURUS	Ru-106	Bq/m <sup>2</sup>	13	13	< 5.541 (3.627 - 7.733)	0	
2023	Total deposition residue	FLEURUS	T-Alfa	Bq/m <sup>2</sup>	13	0		13	0.6229 (0.2312 - 1.104)
2023	Total deposition residue	FLEURUS	T-Beta	Bq/m <sup>2</sup>	13	0		13	2.588 (0.968 - 4.447)
2023	Total deposition residue	FLEURUS	Zr-95	Bq/m <sup>2</sup>	13	13	< 1.266 (0.7156 - 1.897)	0	
2023	Topsoil and grass	FLEURUS	Ag-110m	Bq/kg	1	1	< 1.431	0	
2023	Topsoil and grass	FLEURUS	Be-7	Bq/kg	1	1	< 17.13	0	
2023	Topsoil and grass	FLEURUS	Co-57	Bq/kg	1	1	< 0.7517	0	
2023	Topsoil and grass	FLEURUS	Co-58	Bq/kg	1	1	< 1.805	0	
2023	Topsoil and grass	FLEURUS	Co-60	Bq/kg	1	1	< 1.235	0	
2023	Topsoil and grass	FLEURUS	Cs-134	Bq/kg	1	1	< 1.077	0	
2023	Topsoil and grass	FLEURUS	Cs-137	Bq/kg	1	0		1	3.483
2023	Topsoil and grass	FLEURUS	I-131	Bq/kg	1	1	< 223.5	0	
2023	Topsoil and grass	FLEURUS	K-40	Bq/kg	1	0		1	386.2
2023	Topsoil and grass	FLEURUS	Mn-54	Bq/kg	1	1	< 1.322	0	
2023	Topsoil and grass	FLEURUS	Ra-226	Bq/kg	1	0		1	42.44
2023	Topsoil and grass	FLEURUS	Ra-228	Bq/kg	1	0		1	28.54
2023	Topsoil and grass	FLEURUS	Ru-106	Bq/kg	1	1	< 9.746	0	
2023	Topsoil and grass	FLEURUS	Sb-125	Bq/kg	1	1	< 3.006	0	
2023	Topsoil and grass	FLEURUS	Th-228	Bq/kg	1	0		1	30.41

2023	Topsoil and grass	FLEURUS	Zn-65	Bq/kg	1	1	< 3.206	0	
2023	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Ag-110m	Bq/kg	4	4	< 6.849 (3.25 - 13.35)	0	
2023	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Be-7	Bq/kg	4	0		4	807.7 (77.83 - 2750)
2023	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Co-57	Bq/kg	4	4	< 2.673 (1.345 - 5.21)	0	
2023	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Co-58	Bq/kg	4	4	< 7.942 (3.519 - 15.86)	0	
2023	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Co-60	Bq/kg	4	4	< 6.654 (3.287 - 13.3)	0	
2023	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Cs-134	Bq/kg	4	4	< 5.578 (2.713 - 11.27)	0	
2023	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Cs-137	Bq/kg	4	3	< 3.787 (2.145 - 5.899)	1	10.47
2023	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	H-3	Bq/kg	4	3	< 16.43 (10.02 - 20.3)	1	40.96
2023	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	I-131	Bq/kg	4	4	< 224.3 (50.23 - 338.4)	0	
2023	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	K-40	Bq/kg	4	0		4	439.1 (295.9 - 801.2)
2023	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Mn-54	Bq/kg	4	4	< 6.209 (2.929 - 12.21)	0	
2023	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Nb-95	Bq/kg	4	4	< 13.16 (5.539 - 25.27)	0	
2023	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Ra-226	Bq/kg	4	0		4	48.85 (25.67 - 92.64)
2023	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Ra-228	Bq/kg	4	2	< 38.79 (17.15 - 60.43)	2	29.08 (26.29 - 31.88)
2023	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Th-228	Bq/kg	4	0		4	38.29 (24.39 - 63.81)
2023	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Zn-65	Bq/kg	4	4	< 14.35 (6.804 - 29.5)	0	
2023	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Ag-110m	Bq/kg	4	4	< 5.686 (2.949 - 7.685)	0	
2023	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Be-7	Bq/kg	4	1	< 58.41	3	195.6 (92.38 - 291.3)
2023	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Co-57	Bq/kg	4	4	< 2.195 (1.366 - 2.937)	0	
2023	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Co-58	Bq/kg	4	4	< 6.379 (3.456 - 8.32)	0	
2023	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Co-60	Bq/kg	4	4	< 5.674 (2.507 - 8.194)	0	
2023	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Cs-134	Bq/kg	4	4	< 4.505 (2.412 - 6.544)	0	
2023	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Cs-137	Bq/kg	4	4	< 4.561 (2.279 - 6.462)	0	
2023	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	H-3	Bq/kg	4	3	< 20.58 (19.9 - 21.58)	1	46.37
2023	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	I-131	Bq/kg	4	4	< 227.1 (131.8 - 397.5)	0	
2023	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	K-40	Bq/kg	4	0		4	575.5 (360.3 - 955.4)
2023	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Mn-54	Bq/kg	4	4	< 4.962 (2.365 - 6.954)	0	
2023	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Nb-95	Bq/kg	4	4	< 10.51 (6.01 - 13.02)	0	
2023	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Ra-226	Bq/kg	4	4	< 8.673 (3.534 - 12.8)	0	
2023	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Ra-228	Bq/kg	4	4	< 19.55 (9.229 - 28.26)	0	
2023	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Th-228	Bq/kg	4	4	< 6.227 (4.003 - 8.291)	0	
2023	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Zn-65	Bq/kg	4	4	< 11.89 (5.751 - 16.56)	0	

**Table S3. Radioactivity measurements of Belgian territory around the French nuclear site at Chooz: atmosphere, soil, the river Meuse (water, sediments, fauna & flora) and agricultural crop production**

Values are expressed in Bq/kg dry matter, Bq/liter, Bq/m<sup>2</sup> or Bq/m<sup>3</sup>, except C-14 that is expressed in Bq/g of stable carbone (DL: detection limit).

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2023	Total deposition filtered	HEER-AGIMONT	Be-7	Bq/m <sup>2</sup>	13	6	< 16.33 (13.62 - 19.65)	7	31.94 (17.31 - 78.39)
2023	Total deposition filtered	HEER-AGIMONT	Ce-141	Bq/m <sup>2</sup>	13	13	< 3.339 (2.862 - 4.075)	0	
2023	Total deposition filtered	HEER-AGIMONT	Ce-144	Bq/m <sup>2</sup>	13	13	< 9.738 (9.089 - 10.52)	0	
2023	Total deposition filtered	HEER-AGIMONT	Cs-134	Bq/m <sup>2</sup>	13	13	< 1.448 (1.283 - 1.584)	0	
2023	Total deposition filtered	HEER-AGIMONT	Cs-137	Bq/m <sup>2</sup>	13	13	< 1.474 (1.268 - 1.783)	0	
2023	Total deposition filtered	HEER-AGIMONT	H-3	Bq/m <sup>2</sup>	13	13	< 301.9 (81.92 - 514.6)	0	
2023	Total deposition filtered	HEER-AGIMONT	I-131	Bq/m <sup>2</sup>	13	13	< 7.879 (4.299 - 17.81)	0	
2023	Total deposition filtered	HEER-AGIMONT	K-40	Bq/m <sup>2</sup>	13	0		13	0.4469 (0.1162 - 1.034)
2023	Total deposition filtered	HEER-AGIMONT	Nb-95	Bq/m <sup>2</sup>	13	13	< 2.198 (1.747 - 3.113)	0	
2023	Total deposition filtered	HEER-AGIMONT	R-Beta	Bq/l	13	0		13	0.01814 (0.003911 - 0.03942)
2023	Total deposition filtered	HEER-AGIMONT	Ru-103	Bq/m <sup>2</sup>	13	13	< 1.942 (1.617 - 2.418)	0	
2023	Total deposition filtered	HEER-AGIMONT	Ru-106	Bq/m <sup>2</sup>	13	13	< 13.35 (11.58 - 15.48)	0	
2023	Total deposition filtered	HEER-AGIMONT	T-Alfa	Bq/m <sup>2</sup>	13	2	< 0.1178 (0.0441 - 0.1916)	11	0.3328 (0.0328 - 1.715)
2023	Total deposition filtered	HEER-AGIMONT	T-Beta	Bq/m <sup>2</sup>	13	0		13	1.972 (0.471 - 3.909)
2023	Total deposition filtered	HEER-AGIMONT	Zr-95	Bq/m <sup>2</sup>	13	13	< 3.086 (2.503 - 3.694)	0	
2023	Total deposition residue	HEER-AGIMONT	Be-7	Bq/m <sup>2</sup>	13	2	< 6.537 (5.923 - 7.151)	11	20.04 (6.245 - 39.25)
2023	Total deposition residue	HEER-AGIMONT	Ce-141	Bq/m <sup>2</sup>	13	13	< 1.186 (0.6494 - 1.507)	0	
2023	Total deposition residue	HEER-AGIMONT	Ce-144	Bq/m <sup>2</sup>	13	13	< 3.201 (1.912 - 3.892)	0	
2023	Total deposition residue	HEER-AGIMONT	Cs-134	Bq/m <sup>2</sup>	13	13	< 0.6316 (0.4075 - 0.8127)	0	
2023	Total deposition residue	HEER-AGIMONT	Cs-137	Bq/m <sup>2</sup>	13	13	< 0.6397 (0.3947 - 0.8599)	0	
2023	Total deposition residue	HEER-AGIMONT	I-131	Bq/m <sup>2</sup>	13	13	< 3.208 (1.394 - 5.471)	0	
2023	Total deposition residue	HEER-AGIMONT	K-40	Bq/m <sup>2</sup>	13	13	< 9.171 (5.711 - 11.76)	0	
2023	Total deposition residue	HEER-AGIMONT	Nb-95	Bq/m <sup>2</sup>	13	13	< 0.8926 (0.547 - 1.141)	0	
2023	Total deposition residue	HEER-AGIMONT	Ru-103	Bq/m <sup>2</sup>	13	13	< 0.7925 (0.4495 - 1.055)	0	
2023	Total deposition residue	HEER-AGIMONT	Ru-106	Bq/m <sup>2</sup>	13	13	< 5.53 (3.575 - 7.314)	0	
2023	Total deposition residue	HEER-AGIMONT	T-Alfa	Bq/m <sup>2</sup>	13	0		13	0.6585 (0.1464 - 1.97)
2023	Total deposition residue	HEER-AGIMONT	T-Beta	Bq/m <sup>2</sup>	13	0		13	2.997 (0.8301 - 5.994)
2023	Total deposition residue	HEER-AGIMONT	Zr-95	Bq/m <sup>2</sup>	13	13	< 1.294 (0.8428 - 1.666)	0	
2023	Topsoil and grass	CHOOZ	Ag-110m	Bq/kg	12	12	< 1.712 (1.56 - 1.915)	0	
2023	Topsoil and grass	CHOOZ	Am-241	Bq/kg	4	4	< 2.408 (1.171 - 4.788)	0	
2023	Topsoil and grass	CHOOZ	Be-7	Bq/kg	12	12	< 23.38 (19.2 - 30.11)	0	
2023	Topsoil and grass	CHOOZ	Co-57	Bq/kg	12	12	< 0.8683 (0.7993 - 0.9548)	0	
2023	Topsoil and grass	CHOOZ	Co-58	Bq/kg	12	12	< 2.348 (1.805 - 3.021)	0	
2023	Topsoil and grass	CHOOZ	Co-60	Bq/kg	12	12	< 1.374 (1.072 - 1.633)	0	
2023	Topsoil and grass	CHOOZ	Cs-134	Bq/kg	12	12	< 1.272 (1.162 - 1.364)	0	
2023	Topsoil and grass	CHOOZ	Cs-137	Bq/kg	12	0		12	3.934 (1.762 - 5.878)
2023	Topsoil and grass	CHOOZ	I-131	Bq/kg	12	12	< 1066 (382.3 - 3312)	0	
2023	Topsoil and grass	CHOOZ	K-40	Bq/kg	12	0		12	535.5 (334.1 - 729.1)
2023	Topsoil and grass	CHOOZ	Mn-54	Bq/kg	12	12	< 1.46 (1.161 - 1.734)	0	
2023	Topsoil and grass	CHOOZ	Pu(239+240)	Bq/kg	4	2	< 1.048 (0.8472 - 1.249)	2	1.275 (0.6076 - 1.942)
2023	Topsoil and grass	CHOOZ	Pu-238	Bq/kg	4	4	< 1.137 (0.775 - 1.497)	0	
2023	Topsoil and grass	CHOOZ	Ra-226	Bq/kg	12	0		12	43.22 (24.74 - 68.97)
2023	Topsoil and grass	CHOOZ	Ra-228	Bq/kg	12	0		12	38.9 (29.12 - 49.61)
2023	Topsoil and grass	CHOOZ	Ru-106	Bq/kg	12	12	< 11.17 (9.493 - 13.46)	0	
2023	Topsoil and grass	CHOOZ	Sb-125	Bq/kg	12	12	< 3.401 (3.083 - 3.679)	0	
2023	Topsoil and grass	CHOOZ	Sr-90	Bq/kg	12	6	< 1.831 (1.461 - 2.075)	6	3.966 (1.87 - 9.07)
2023	Topsoil and grass	CHOOZ	Th-228	Bq/kg	16	0		16	46.64 (29.78 - 80.88)
2023	Topsoil and grass	CHOOZ	Th-230	Bq/kg	4	0		4	36.66 (29.97 - 44.65)
2023	Topsoil and grass	CHOOZ	Th-232	Bq/kg	4	0		4	51.69 (39.52 - 62.61)
2023	Topsoil and grass	CHOOZ	U-234	Bq/kg	4	0		4	35.35 (27.03 - 46.79)
2023	Topsoil and grass	CHOOZ	U-235	Bq/kg	4	3	< 2.701 (0.9555 - 4.246)	1	1.051
2023	Topsoil and grass	CHOOZ	U-238	Bq/kg	4	0		4	40.21 (31.12 - 53.3)
2023	Topsoil and grass	CHOOZ	Zn-65	Bq/kg	12	12	< 3.751 (3.148 - 4.339)	0	
2023	Topsoil and grass	HEER-AGIMONT	Ag-110m	Bq/kg	1	1	< 1.465	0	
2023	Topsoil and grass	HEER-AGIMONT	Be-7	Bq/kg	1	1	< 18.78	0	

2023	Topsoil and grass	HEER-AGIMONT	Co-57	Bq/kg	1	1	< 0.7928	0	
2023	Topsoil and grass	HEER-AGIMONT	Co-58	Bq/kg	1	1	< 1.928	0	
2023	Topsoil and grass	HEER-AGIMONT	Co-60	Bq/kg	1	1	< 1.253	0	
2023	Topsoil and grass	HEER-AGIMONT	Cs-134	Bq/kg	1	1	< 1.139	0	
2023	Topsoil and grass	HEER-AGIMONT	Cs-137	Bq/kg	1	0		1	1.254
2023	Topsoil and grass	HEER-AGIMONT	I-131	Bq/kg	1	1	< 253.7	0	
2023	Topsoil and grass	HEER-AGIMONT	K-40	Bq/kg	1	0		1	356.9
2023	Topsoil and grass	HEER-AGIMONT	Mn-54	Bq/kg	1	1	< 1.379	0	
2023	Topsoil and grass	HEER-AGIMONT	Ra-226	Bq/kg	1	0		1	44.58
2023	Topsoil and grass	HEER-AGIMONT	Ra-228	Bq/kg	1	0		1	27.2
2023	Topsoil and grass	HEER-AGIMONT	Ru-106	Bq/kg	1	1	< 10.3	0	
2023	Topsoil and grass	HEER-AGIMONT	Sb-125	Bq/kg	1	1	< 2.977	0	
2023	Topsoil and grass	HEER-AGIMONT	Th-228	Bq/kg	1	0		1	29.02
2023	Topsoil and grass	HEER-AGIMONT	Zn-65	Bq/kg	1	1	< 3.413	0	
2023	Agricultural products around Chooz	CHOOZ	Ag-110m	Bq/kg	12	12	< 4.147 (1.65 - 5.739)	0	
2023	Agricultural products around Chooz	CHOOZ	Be-7	Bq/kg	12	9	< 54.64 (27.37 - 84.73)	3	85.91 (68.63 - 108.6)
2023	Agricultural products around Chooz	CHOOZ	C-14	Bq/g of stable carbon	12	0		12	0.2535 (0.2064 - 0.2788)
2023	Agricultural products around Chooz	CHOOZ	Co-57	Bq/kg	12	12	< 1.826 (0.7641 - 2.5)	0	
2023	Agricultural products around Chooz	CHOOZ	Co-58	Bq/kg	12	12	< 6.057 (2.652 - 8.839)	0	
2023	Agricultural products around Chooz	CHOOZ	Co-60	Bq/kg	12	12	< 3.804 (1.433 - 5.43)	0	
2023	Agricultural products around Chooz	CHOOZ	Cs-134	Bq/kg	12	12	< 3.188 (1.245 - 4.448)	0	
2023	Agricultural products around Chooz	CHOOZ	Cs-137	Bq/kg	12	7	< 2.538 (1.158 - 3.343)	5	4.429 (3.339 - 5.502)
2023	Agricultural products around Chooz	CHOOZ	H-3	Bq/kg	12	11	< 23.93 (19.35 - 36.7)	1	31.58
2023	Agricultural products around Chooz	CHOOZ	I-131	Bq/kg	12	12	< 2093 (835.3 - 7141)	0	
2023	Agricultural products around Chooz	CHOOZ	K-40	Bq/kg	12	0		12	568.7 (139.1 - 1096)
2023	Agricultural products around Chooz	CHOOZ	Mn-54	Bq/kg	12	12	< 3.744 (1.436 - 5.416)	0	
2023	Agricultural products around Chooz	CHOOZ	Ra-226	Bq/kg	12	7	< 7.033 (4.087 - 9.213)	5	5.609 (2.11 - 8.423)
2023	Agricultural products around Chooz	CHOOZ	Ra-228	Bq/kg	12	12	< 13.65 (5.195 - 19.89)	0	
2023	Agricultural products around Chooz	CHOOZ	Ru-106	Bq/kg	12	12	< 29.23 (11.5 - 42.15)	0	
2023	Agricultural products around Chooz	CHOOZ	Sb-125	Bq/kg	12	12	< 8.323 (3.214 - 12.32)	0	
2023	Agricultural products around Chooz	CHOOZ	Sr-90	Bq/kg	12	2	< 0.08996 (0.08508 - 0.09483)	10	0.3204 (0.1163 - 0.6653)
2023	Agricultural products around Chooz	CHOOZ	Th-228	Bq/kg	12	12	< 4.884 (1.876 - 6.802)	0	
2023	Agricultural products around Chooz	CHOOZ	Zn-65	Bq/kg	12	12	< 8.954 (3.413 - 13.69)	0	
2023	River water	HEER-AGIMONT	Be-7	Bq/l	26	26	< 1.307 (0.7396 - 1.58)	0	
2023	River water	HEER-AGIMONT	Ce-141	Bq/l	26	26	< 0.278 (0.1891 - 0.3238)	0	
2023	River water	HEER-AGIMONT	Ce-144	Bq/l	26	26	< 0.9381 (0.589 - 1.037)	0	
2023	River water	HEER-AGIMONT	Cs-134	Bq/l	26	26	< 0.1417 (0.08114 - 0.1623)	0	
2023	River water	HEER-AGIMONT	Cs-137	Bq/l	26	26	< 0.1443 (0.07828 - 0.1784)	0	
2023	River water	HEER-AGIMONT	H-3	Bq/l	26	14	< 3.19 (2.899 - 4.494)	12	28.18 (3.155 - 47.5)
2023	River water	HEER-AGIMONT	I-131	Bq/l	26	26	< 0.4117 (0.209 - 0.6682)	0	
2023	River water	HEER-AGIMONT	K-40	Bq/l	31	5	< 2.47 (2.32 - 2.889)	26	0.0671 (0.04615 - 0.09782)
2023	River water	HEER-AGIMONT	Nb-95	Bq/l	26	26	< 0.1748 (0.09496 - 0.212)	0	
2023	River water	HEER-AGIMONT	R-Beta	Bq/l	26	21	< 0.04259 (0.03866 - 0.04597)	5	0.05884 (0.04085 - 0.07133)
2023	River water	HEER-AGIMONT	Ru-103	Bq/l	26	26	< 0.163 (0.1028 - 0.1856)	0	
2023	River water	HEER-AGIMONT	Ru-106	Bq/l	26	26	< 1.271 (0.6545 - 1.561)	0	
2023	River water	HEER-AGIMONT	T-Alfa	Bq/l	26	14	< 0.02618 (0.01847 - 0.03628)	12	0.03287 (0.01942 - 0.04947)
2023	River water	HEER-AGIMONT	T-Beta	Bq/l	26	1	< 0.04597	25	0.09051 (0.04551 - 0.1512)
2023	River water	HEER-AGIMONT	Zr-95	Bq/l	26	26	< 0.2757 (0.1431 - 0.3513)	0	
2023	River sediments	HEER-AGIMONT	Ag-110m	Bq/kg	13	13	< 5.134 (3.135 - 9.933)	0	
2023	River sediments	HEER-AGIMONT	Be-7	Bq/kg	13	0		13	255.1 (139.2 - 397.8)
2023	River sediments	HEER-AGIMONT	Co-57	Bq/kg	13	13	< 1.894 (1.276 - 3.443)	0	
2023	River sediments	HEER-AGIMONT	Co-58	Bq/kg	13	13	< 5.736 (3.392 - 10.89)	0	
2023	River sediments	HEER-AGIMONT	Co-60	Bq/kg	13	11	< 4.757 (2.718 - 10.07)	2	3.919 (3.077 - 4.762)
2023	River sediments	HEER-AGIMONT	Cs-134	Bq/kg	13	13	< 3.879 (2.397 - 7.542)	0	
2023	River sediments	HEER-AGIMONT	Cs-137	Bq/kg	13	1	< 5.753	12	6.993 (4.147 - 12.3)
2023	River sediments	HEER-AGIMONT	I-131	Bq/kg	13	13	< 306 (160.4 - 635.1)	0	
2023	River sediments	HEER-AGIMONT	K-40	Bq/kg	13	0		13	385.8 (323 - 434.9)
2023	River sediments	HEER-AGIMONT	Mn-54	Bq/kg	13	13	< 4.124 (2.648 - 8.246)	0	
2023	River sediments	HEER-AGIMONT	Nb-95	Bq/kg	13	13	< 10.95 (7.276 - 20.89)	0	
2023	River sediments	HEER-AGIMONT	Ra-226	Bq/kg	13	0		13	43.1 (28.94 - 65.85)

2023	River sediments	HEER-AGIMONT	Ra-228	Bq/kg	13	1	< 36.76	12	45.75 (34.42 - 55.45)
2023	River sediments	HEER-AGIMONT	Th-228	Bq/kg	13	0		13	43.48 (31.67 - 53.42)
2023	River sediments	HEER-AGIMONT	U-238	Bq/kg	13	7	< 42.36 (27.29 - 59.7)	6	47.28 (42.5 - 60.63)
2023	River sediments	HEER-AGIMONT	Zn-65	Bq/kg	13	13	< 9.732 (6.396 - 17.73)	0	
2023	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Ag-110m	Bq/kg	4	4	< 4.973 (3.038 - 7.102)	0	
2023	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Be-7	Bq/kg	4	0		4	153.2 (111.1 - 207.5)
2023	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Co-57	Bq/kg	4	4	< 1.877 (1.224 - 2.615)	0	
2023	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Co-58	Bq/kg	4	4	< 5.567 (3.335 - 7.829)	0	
2023	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Co-60	Bq/kg	4	4	< 4.656 (2.888 - 7.109)	0	
2023	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Cs-134	Bq/kg	4	4	< 3.892 (2.345 - 5.913)	0	
2023	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Cs-137	Bq/kg	4	1	< 3.86	3	4.518 (3.324 - 5.859)
2023	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	H-3	Bq/kg	4	3	< 16.74 (10.16 - 20.63)	1	28.67
2023	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	I-131	Bq/kg	4	4	< 172 (45.69 - 273.8)	0	
2023	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	K-40	Bq/kg	4	0		4	393.4 (265.2 - 496.6)
2023	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Mn-54	Bq/kg	4	4	< 4.333 (2.675 - 6.189)	0	
2023	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Nb-95	Bq/kg	4	4	< 9.722 (5.022 - 12.99)	0	
2023	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Ra-226	Bq/kg	4	0		4	28.4 (22.72 - 34.69)
2023	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Ra-228	Bq/kg	4	3	< 22.07 (16.85 - 28.36)	1	36.85
2023	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Th-228	Bq/kg	4	0		4	27.16 (20.16 - 38.22)
2023	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Zn-65	Bq/kg	4	4	< 10.43 (6.192 - 15.58)	0	
2023	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Ag-110m	Bq/kg	4	4	< 4.124 (2.332 - 5.103)	0	
2023	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Be-7	Bq/kg	4	1	< 57.31	3	198.8 (91.67 - 283.6)
2023	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Co-57	Bq/kg	4	4	< 1.661 (1.185 - 1.977)	0	
2023	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Co-58	Bq/kg	4	4	< 4.754 (2.797 - 6.56)	0	
2023	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Co-60	Bq/kg	4	4	< 3.8 (1.829 - 4.786)	0	
2023	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Cs-134	Bq/kg	4	4	< 3.278 (1.942 - 4.025)	0	
2023	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Cs-137	Bq/kg	4	4	< 3.226 (1.585 - 3.91)	0	
2023	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	H-3	Bq/kg	4	3	< 20.27 (18.61 - 22.22)	1	52.66
2023	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	I-131	Bq/kg	4	4	< 201.5 (68.68 - 429.5)	0	
2023	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	K-40	Bq/kg	4	0		4	294.1 (206.3 - 415.6)
2023	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Mn-54	Bq/kg	4	4	< 3.557 (1.841 - 4.53)	0	
2023	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Nb-95	Bq/kg	4	4	< 8.01 (4.813 - 12)	0	
2023	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Ra-226	Bq/kg	4	3	< 7.266 (6.819 - 7.747)	1	4.264
2023	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Ra-228	Bq/kg	4	4	< 14.17 (6.906 - 17.61)	0	
2023	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Th-228	Bq/kg	4	4	< 4.688 (3.31 - 5.569)	0	
2023	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Zn-65	Bq/kg	4	4	< 8.391 (4.646 - 11.29)	0	

**Table S4. Radioactivity measurements around the nuclear site at Mol-Dessel: atmosphere, soil, the river Molsse Nete (water, sediments, fauna & flora) and liquid releases of Belgoprocess.**

Values are expressed in Bq/kg dry matter, Bq/liter, Bq/m<sup>2</sup> or Bq/m<sup>3</sup> (DL: detection limit).

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2023	Outdoor air	MOL	Be-7	Bq/m <sup>3</sup>	13	0		13	0.002802 (0.00112 - 0.0053)
2023	Outdoor air	MOL	Ce-141	Bq/m <sup>3</sup>	13	13	< 1.846e-05 (7e-06 - 5e-05)	0	
2023	Outdoor air	MOL	Ce-144	Bq/m <sup>3</sup>	13	13	< 2.754e-05 (8e-06 - 5e-05)	0	
2023	Outdoor air	MOL	Cs-134	Bq/m <sup>3</sup>	13	13	< 4e-06 (2e-06 - 7e-06)	0	
2023	Outdoor air	MOL	Cs-137	Bq/m <sup>3</sup>	13	12	< 4.167e-06 (2e-06 - 7e-06)	1	4e-06
2023	Outdoor air	MOL	I-131	Bq/m <sup>3</sup>	13	13	< 0.0009662 (8e-05 - 0.009)	0	
2023	Outdoor air	MOL	K-40	Bq/m <sup>3</sup>	13	11	< 6.609e-05 (2.7e-05 - 0.00012)	2	8.5e-05 (7e-05 - 1e-04)
2023	Outdoor air	MOL	Nb-95	Bq/m <sup>3</sup>	13	13	< 1.146e-05 (5e-06 - 3e-05)	0	
2023	Outdoor air	MOL	Ru-103	Bq/m <sup>3</sup>	13	13	< 9.769e-06 (5e-06 - 2.6e-05)	0	
2023	Outdoor air	MOL	Ru-106	Bq/m <sup>3</sup>	13	13	< 3.823e-05 (2e-05 - 7e-05)	0	
2023	Outdoor air	MOL	Se-75	Bq/m <sup>3</sup>	13	13	< 6.385e-06 (2e-06 - 1.2e-05)	0	
2023	Outdoor air	MOL	T-Alfa	Bq/m <sup>3</sup>	365	68	< 5e-06 (5e-06 - 5e-06)	297	1.553e-05 (4e-06 - 7.4e-05)
2023	Outdoor air	MOL	T-Beta	Bq/m <sup>3</sup>	365	3	< 2.367e-05 (2.3e-05 - 2.4e-05)	362	0.0002796 (2.8e-05 - 0.00181)
2023	Outdoor air	MOL	Zr-95	Bq/m <sup>3</sup>	13	13	< 1.192e-05 (7e-06 - 2.5e-05)	0	
2023	Total deposition filtered	MOL	Be-7	Bq/m <sup>2</sup>	13	1	< 17	12	43.46 (8.5 - 103)
2023	Total deposition filtered	MOL	Ce-141	Bq/m <sup>2</sup>	13	13	< 2.423 (1.6 - 5)	0	
2023	Total deposition filtered	MOL	Ce-144	Bq/m <sup>2</sup>	13	13	< 6.062 (2.6 - 13)	0	
2023	Total deposition filtered	MOL	Cs-134	Bq/m <sup>2</sup>	13	13	< 0.8538 (0.6 - 2)	0	
2023	Total deposition filtered	MOL	Cs-137	Bq/m <sup>2</sup>	13	13	< 0.8285 (0.09 - 2)	0	
2023	Total deposition filtered	MOL	H-3	Bq/m <sup>2</sup>	13	7	< 871.4 (300 - 1500)	6	757.8 (147 - 1690)
2023	Total deposition filtered	MOL	I-131	Bq/m <sup>2</sup>	13	13	< 4.981 (0.029 - 16)	0	
2023	Total deposition filtered	MOL	K-40	Bq/m <sup>2</sup>	26	13	< 13.77 (7 - 30)	13	0.4232 (0.053 - 0.76)
2023	Total deposition filtered	MOL	Nb-95	Bq/m <sup>2</sup>	13	13	< 1.338 (0.8 - 3)	0	
2023	Total deposition filtered	MOL	R-Beta	Bq/m <sup>2</sup>	13	0		13	3.324 (0.73 - 6.15)
2023	Total deposition filtered	MOL	Ru-103	Bq/m <sup>2</sup>	13	13	< 1.292 (0.8 - 2.6)	0	
2023	Total deposition filtered	MOL	Ru-106	Bq/m <sup>2</sup>	13	13	< 8 (5 - 18)	0	
2023	Total deposition filtered	MOL	Se-75	Bq/m <sup>2</sup>	13	13	< 1.315 (0.9 - 2.7)	0	
2023	Total deposition filtered	MOL	T-Alfa	Bq/m <sup>2</sup>	13	0		13	0.9192 (0.26 - 1.71)
2023	Total deposition filtered	MOL	T-Beta	Bq/m <sup>2</sup>	13	0		13	3.747 (0.84 - 6.8)
2023	Total deposition filtered	MOL	Zr-95	Bq/m <sup>2</sup>	13	13	< 1.846 (1.1 - 4)	0	
2023	Total deposition residue	MOL	Be-7	Bq/m <sup>2</sup>	13	0		13	52.33 (12.3 - 123)
2023	Total deposition residue	MOL	Ce-141	Bq/m <sup>2</sup>	13	13	< 0.5015 (0.18 - 0.9)	0	
2023	Total deposition residue	MOL	Ce-144	Bq/m <sup>2</sup>	13	13	< 1.362 (0.5 - 2.6)	0	
2023	Total deposition residue	MOL	Cs-134	Bq/m <sup>2</sup>	13	13	< 0.24 (0.12 - 0.4)	0	
2023	Total deposition residue	MOL	Cs-137	Bq/m <sup>2</sup>	13	13	< 0.2746 (0.15 - 0.5)	0	
2023	Total deposition residue	MOL	I-131	Bq/m <sup>2</sup>	13	13	< 1.662 (0.6 - 4)	0	
2023	Total deposition residue	MOL	K-40	Bq/m <sup>2</sup>	13	13	< 5.308 (1.9 - 15)	0	
2023	Total deposition residue	MOL	Nb-95	Bq/m <sup>2</sup>	13	13	< 0.3762 (0.21 - 0.8)	0	
2023	Total deposition residue	MOL	Ru-103	Bq/m <sup>2</sup>	13	13	< 0.3346 (0.17 - 0.6)	0	
2023	Total deposition residue	MOL	Ru-106	Bq/m <sup>2</sup>	13	13	< 2.292 (1.2 - 4)	0	
2023	Total deposition residue	MOL	Se-75	Bq/m <sup>2</sup>	13	13	< 0.2746 (0.1 - 0.5)	0	
2023	Total deposition residue	MOL	T-Alfa	Bq/m <sup>2</sup>	13	0		13	1.163 (0.26 - 3)
2023	Total deposition residue	MOL	T-Beta	Bq/m <sup>2</sup>	13	0		13	7.095 (2.05 - 13.2)
2023	Total deposition residue	MOL	Zr-95	Bq/m <sup>2</sup>	13	13	< 0.5462 (0.3 - 1)	0	
2023	Topsoil and grass	MOL	Ag-110m	Bq/kg	1	1	< 0.7	0	
2023	Topsoil and grass	MOL	Am-241	Bq/kg	1	1	< 0.8	0	
2023	Topsoil and grass	MOL	Be-7	Bq/kg	1	1	< 6	0	
2023	Topsoil and grass	MOL	Co-57	Bq/kg	1	1	< 0.4	0	
2023	Topsoil and grass	MOL	Co-58	Bq/kg	1	1	< 0.6	0	
2023	Topsoil and grass	MOL	Co-60	Bq/kg	1	1	< 0.5	0	
2023	Topsoil and grass	MOL	Cs-134	Bq/kg	1	1	< 0.5	0	
2023	Topsoil and grass	MOL	Cs-137	Bq/kg	1	0		1	3.3
2023	Topsoil and grass	MOL	I-131	Bq/kg	1	1	< 6	0	
2023	Topsoil and grass	MOL	K-40	Bq/kg	1	0		1	163
2023	Topsoil and grass	MOL	Mn-54	Bq/kg	1	1	< 0.6	0	

2023	Topsoil and grass	MOL	Pu(239+240)	Bq/kg	1	1	< 0.7	0	
2023	Topsoil and grass	MOL	Pu-238	Bq/kg	1	1	< 0.5	0	
2023	Topsoil and grass	MOL	Ra-226	Bq/kg	1	0		1	11.7
2023	Topsoil and grass	MOL	Ra-228	Bq/kg	1	0		1	9.7
2023	Topsoil and grass	MOL	Th-228	Bq/kg	1	0		1	9.4
2023	Topsoil and grass	MOL	U-234	Bq/kg	1	0		1	10.3
2023	Topsoil and grass	MOL	U-235	Bq/kg	1	1	< 0.6	0	
2023	Topsoil and grass	MOL	U-238	Bq/kg	1	0		1	7.8
2023	Topsoil and grass	MOL	Zn-65	Bq/kg	1	1	< 1.5	0	
2023	River water	MOL-GEEL	Am-241	Bq/l	13	1	< 0.00029	12	0.0008542 (0.00016 - 0.0022)
2023	River water	MOL-GEEL	Be-7	Bq/l	26	26	< 1.185 (0.5 - 1.8)	0	
2023	River water	MOL-GEEL	Ce-141	Bq/l	26	26	< 0.2458 (0.14 - 0.4)	0	
2023	River water	MOL-GEEL	Ce-144	Bq/l	26	26	< 0.8304 (0.24 - 1.2)	0	
2023	River water	MOL-GEEL	Cs-134	Bq/l	26	26	< 0.1192 (0.06 - 0.17)	0	
2023	River water	MOL-GEEL	Cs-137	Bq/l	26	26	< 0.1342 (0.009 - 0.2)	0	
2023	River water	MOL-GEEL	H-3	Bq/l	26	6	< 2174 (6 - 13000)	20	114.6 (6.2 - 361)
2023	River water	MOL-GEEL	I-131	Bq/l	26	26	< 0.3971 (0.002 - 1.1)	0	
2023	River water	MOL-GEEL	K-40	Bq/l	52	23	< 2.126 (0.8 - 4)	29	0.5689 (0.248 - 3)
2023	River water	MOL-GEEL	Nb-95	Bq/l	26	26	< 0.1596 (0.07 - 0.26)	0	
2023	River water	MOL-GEEL	Pu(239+240)	Bq/l	13	9	< 0.0002078 (0.00012 - 4e-04)	4	0.0008475 (0.00014 - 0.0027)
2023	River water	MOL-GEEL	Pu-238	Bq/l	13	10	< 0.000208 (1e-04 - 6e-04)	3	0.0006767 (0.00021 - 0.0016)
2023	River water	MOL-GEEL	R-Beta	Bq/l	26	13	< 0.05231 (0.04 - 0.06)	13	0.1285 (0.06 - 0.31)
2023	River water	MOL-GEEL	Rh-106	Bq/l	1	1	< 1.5	0	
2023	River water	MOL-GEEL	Ru-103	Bq/l	26	26	< 0.1519 (0.07 - 0.23)	0	
2023	River water	MOL-GEEL	Ru-106	Bq/l	26	26	< 1.123 (0.5 - 1.6)	0	
2023	River water	MOL-GEEL	Se-75	Bq/l	26	26	< 0.1662 (0.09 - 0.23)	0	
2023	River water	MOL-GEEL	T-Alfa	Bq/l	26	17	< 0.01859 (0.011 - 0.08)	9	0.018 (0.011 - 0.025)
2023	River water	MOL-GEEL	T-Beta	Bq/l	26	0		26	0.3535 (0.25 - 0.57)
2023	River water	MOL-GEEL	U-234	Bq/l	13	0		13	0.001946 (0.0014 - 0.003)
2023	River water	MOL-GEEL	U-235	Bq/l	13	8	< 0.00015 (0.00013 - 0.00018)	5	0.000212 (0.00014 - 3e-04)
2023	River water	MOL-GEEL	U-238	Bq/l	13	0		13	0.0017 (0.00091 - 0.0024)
2023	River water	MOL-GEEL	Zr-95	Bq/l	26	26	< 0.2431 (0.11 - 0.4)	0	
2023	River sediments	MOL-DESSEL-GEEL	Ag-110m	Bq/kg	13	13	< 2.454 (1.2 - 4)	0	
2023	River sediments	MOL-DESSEL-GEEL	Am-241	Bq/kg	14	0		14	18.19 (2.8 - 26)
2023	River sediments	MOL-DESSEL-GEEL	Be-7	Bq/kg	13	3	< 33.33 (20 - 40)	10	69.3 (18 - 199)
2023	River sediments	MOL-DESSEL-GEEL	Co-57	Bq/kg	13	13	< 1.438 (0.6 - 2)	0	
2023	River sediments	MOL-DESSEL-GEEL	Co-58	Bq/kg	13	13	< 2.408 (1.1 - 3)	0	
2023	River sediments	MOL-DESSEL-GEEL	Co-60	Bq/kg	13	3	< 2.233 (2.1 - 2.4)	10	3.603 (0.73 - 7.7)
2023	River sediments	MOL-DESSEL-GEEL	Cs-134	Bq/kg	13	13	< 1.885 (1 - 2.9)	0	
2023	River sediments	MOL-DESSEL-GEEL	Cs-137	Bq/kg	13	0		13	74.77 (11.2 - 130)
2023	River sediments	MOL-DESSEL-GEEL	I-131	Bq/kg	13	12	< 90.83 (40 - 150)	1	6.5
2023	River sediments	MOL-DESSEL-GEEL	K-40	Bq/kg	13	0		13	153.9 (97 - 220)
2023	River sediments	MOL-DESSEL-GEEL	Mn-54	Bq/kg	13	13	< 1.885 (0.7 - 2.5)	0	
2023	River sediments	MOL-DESSEL-GEEL	Pu(239+240)	Bq/kg	13	1	< 1.3	12	10.18 (1.3 - 14)
2023	River sediments	MOL-DESSEL-GEEL	Pu-238	Bq/kg	13	1	< 1.2	12	5.875 (2.7 - 10.7)
2023	River sediments	MOL-DESSEL-GEEL	Ra-226	Bq/kg	13	0		13	70.62 (21.8 - 105)
2023	River sediments	MOL-DESSEL-GEEL	Ra-228	Bq/kg	13	0		13	42.83 (15.8 - 62)
2023	River sediments	MOL-DESSEL-GEEL	Sr-90	Bq/kg	13	13	< 3.138 (1.7 - 6)	0	
2023	River sediments	MOL-DESSEL-GEEL	Tc-99	Bq/kg	13	8	< 57.5 (50 - 80)	5	83 (44 - 176)
2023	River sediments	MOL-DESSEL-GEEL	Th-228	Bq/kg	13	0		13	31.48 (13 - 41)
2023	River sediments	MOL-DESSEL-GEEL	U-234	Bq/kg	13	0		13	20 (16 - 24)
2023	River sediments	MOL-DESSEL-GEEL	U-235	Bq/kg	13	1	< 1	12	1.392 (0.9 - 2.3)
2023	River sediments	MOL-DESSEL-GEEL	U-238	Bq/kg	14	0		14	19.7 (12.9 - 41)
2023	River sediments	MOL-DESSEL-GEEL	Zn-65	Bq/kg	13	13	< 5.877 (2.7 - 8)	0	
2023	Freshwater aquatic plants	MOL-DESSEL-GEEL	Ag-110m	Bq/kg	4	4	< 2.75 (1.2 - 5)	0	
2023	Freshwater aquatic plants	MOL-DESSEL-GEEL	Am-241	Bq/kg	4	3	< 0.02233 (0.02 - 0.027)	1	0.04
2023	Freshwater aquatic plants	MOL-DESSEL-GEEL	Be-7	Bq/kg	4	3	< 29.33 (17 - 50)	1	112
2023	Freshwater aquatic plants	MOL-DESSEL-GEEL	Co-57	Bq/kg	4	4	< 1.175 (0.6 - 1.9)	0	
2023	Freshwater aquatic plants	MOL-DESSEL-GEEL	Co-58	Bq/kg	4	4	< 2.675 (1.1 - 5)	0	
2023	Freshwater aquatic plants	MOL-DESSEL-GEEL	Co-60	Bq/kg	4	4	< 2.55 (1 - 5)	0	



2023	Freshwater aquatic plants	MOL-DESSEL-GEEL	Cs-134	Bq/kg	4	4	< 2.025 (0.8 - 4)	0	
2023	Freshwater aquatic plants	MOL-DESSEL-GEEL	Cs-137	Bq/kg	4	0		4	3.8 (2.7 - 6.9)
2023	Freshwater aquatic plants	MOL-DESSEL-GEEL	H-3	Bq/kg	4	2	< 8.5 (7 - 10)	2	8 (8 - 8)
2023	Freshwater aquatic plants	MOL-DESSEL-GEEL	I-131	Bq/kg	4	4	< 28.25 (13 - 70)	0	
2023	Freshwater aquatic plants	MOL-DESSEL-GEEL	K-40	Bq/kg	4	0		4	620 (500 - 740)
2023	Freshwater aquatic plants	MOL-DESSEL-GEEL	Mn-54	Bq/kg	4	4	< 2.175 (1 - 4)	0	
2023	Freshwater aquatic plants	MOL-DESSEL-GEEL	Pu(239+240)	Bq/kg	4	3	< 0.03233 (0.027 - 0.04)	1	0.04
2023	Freshwater aquatic plants	MOL-DESSEL-GEEL	Pu-238	Bq/kg	4	4	< 0.0375 (0.03 - 0.04)	0	
2023	Freshwater aquatic plants	MOL-DESSEL-GEEL	Ra-226	Bq/kg	4	3	< 4.667 (3 - 7)	1	2.3
2023	Freshwater aquatic plants	MOL-DESSEL-GEEL	Ra-228	Bq/kg	4	4	< 8.75 (4 - 16)	0	
2023	Freshwater aquatic plants	MOL-DESSEL-GEEL	Sr-90	Bq/kg	4	4	< 1.65 (0.6 - 4)	0	
2023	Freshwater aquatic plants	MOL-DESSEL-GEEL	Tc-99	Bq/kg	4	4	< 26.25 (4 - 60)	0	
2023	Freshwater aquatic plants	MOL-DESSEL-GEEL	Th-228	Bq/kg	4	4	< 2.875 (1.6 - 5)	0	
2023	Freshwater aquatic plants	MOL-DESSEL-GEEL	U-234	Bq/kg	4	0		4	0.245 (0.14 - 0.31)
2023	Freshwater aquatic plants	MOL-DESSEL-GEEL	U-235	Bq/kg	4	4	< 0.03175 (0.027 - 0.04)	0	
2023	Freshwater aquatic plants	MOL-DESSEL-GEEL	U-238	Bq/kg	4	0		4	0.23 (0.16 - 0.3)
2023	Freshwater aquatic plants	MOL-DESSEL-GEEL	Zn-65	Bq/kg	4	4	< 5.9 (2.6 - 11)	0	
2023	Wastewater (BELGOPROCESS)	MOL-DESSEL	Am-241	Bq/l	104	50	< 1.475 (0.352 - 1.591)	54	0.4539 (0.01242 - 7.987)
2023	Wastewater (BELGOPROCESS)	MOL-DESSEL	Ba-133	Bq/l	52	52	< 1.741 (0.604 - 1.871)	0	
2023	Wastewater (BELGOPROCESS)	MOL-DESSEL	Be-7	Bq/l	52	52	< 13.68 (6.426 - 24.96)	0	
2023	Wastewater (BELGOPROCESS)	MOL-DESSEL	Co-57	Bq/l	52	52	< 0.7399 (0.293 - 0.8399)	0	
2023	Wastewater (BELGOPROCESS)	MOL-DESSEL	Co-58	Bq/l	52	52	< 1.434 (0.6996 - 2.276)	0	
2023	Wastewater (BELGOPROCESS)	MOL-DESSEL	Co-60	Bq/l	52	39	< 1.272 (0.8535 - 1.441)	13	1.574 (0.7707 - 2.923)
2023	Wastewater (BELGOPROCESS)	MOL-DESSEL	Cs-134	Bq/l	52	52	< 1.227 (0.6218 - 1.367)	0	
2023	Wastewater (BELGOPROCESS)	MOL-DESSEL	Cs-137	Bq/l	52	0		52	2.491 (0.8609 - 6.291)
2023	Wastewater (BELGOPROCESS)	MOL-DESSEL	H-3	Bq/l	52	0		52	145700 (145.6 - 536000)
2023	Wastewater (BELGOPROCESS)	MOL-DESSEL	I-131	Bq/l	52	52	< 80.52 (1.469 - 1538)	0	
2023	Wastewater (BELGOPROCESS)	MOL-DESSEL	Mn-54	Bq/l	52	52	< 1.116 (0.5634 - 1.261)	0	
2023	Wastewater (BELGOPROCESS)	MOL-DESSEL	Pu(239+240)	Bq/l	52	5	< 0.005015 (0.003564 - 0.006461)	47	0.1282 (0.003297 - 3.962)
2023	Wastewater (BELGOPROCESS)	MOL-DESSEL	Pu-238	Bq/l	52	31	< 0.006105 (0.003103 - 0.02136)	21	0.0405 (0.003662 - 0.2896)
2023	Wastewater (BELGOPROCESS)	MOL-DESSEL	Ru-103	Bq/l	52	52	< 1.949 (0.8801 - 4.358)	0	
2023	Wastewater (BELGOPROCESS)	MOL-DESSEL	Ru-106	Bq/l	52	52	< 10.38 (5.22 - 11.45)	0	
2023	Wastewater (BELGOPROCESS)	MOL-DESSEL	Sr-90	Bq/l	52	0		52	1.564 (0.4619 - 3.33)
2023	Wastewater (BELGOPROCESS)	MOL-DESSEL	T-Alfa	Bq/l	52	9	< 0.05438 (0.04243 - 0.07237)	43	0.4299 (0.03698 - 9.613)
2023	Wastewater (BELGOPROCESS)	MOL-DESSEL	T-Beta	Bq/l	52	0		52	6.327 (0.07145 - 17.52)
2023	Wastewater (BELGOPROCESS)	MOL-DESSEL	Tc-99	Bq/l	52	34	< 0.06368 (0.06368 - 0.06368)	18	0.3507 (0.07104 - 1.131)
2023	Wastewater (BELGOPROCESS)	MOL-DESSEL	U-234	Bq/l	52	33	< 0.008011 (0.002095 - 0.06043)	19	0.0361 (0.003645 - 0.3988)
2023	Wastewater (BELGOPROCESS)	MOL-DESSEL	U-235	Bq/l	52	52	< 0.007663 (0.001297 - 0.07605)	0	
2023	Wastewater (BELGOPROCESS)	MOL-DESSEL	U-238	Bq/l	52	40	< 0.005047 (0.001837 - 0.06)	12	0.03222 (0.001215 - 0.2373)

**Table S5. Radioactivity measurements around the nuclear site at Doel: atmosphere, soil, the river Scheldt (water, sediments, fauna & flora) and liquid releases of the nuclear power plant.**

Values are expressed in Bq/kg dry matter, Bq/liter, Bq/m<sup>2</sup> or Bq/m<sup>3</sup>. Effluents from the controlled area come from the primary circuit and are recyclable (DL: detection limit).

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2023	Outdoor air	DOEL	Be-7	Bq/m <sup>3</sup>	13	0		13	0.002204 (0.00099 - 0.004)
2023	Outdoor air	DOEL	Ce-141	Bq/m <sup>3</sup>	13	13	< 1.008e-05 (4e-06 - 1.6e-05)	0	
2023	Outdoor air	DOEL	Ce-144	Bq/m <sup>3</sup>	13	13	< 2.277e-05 (9e-06 - 4e-05)	0	
2023	Outdoor air	DOEL	Cs-134	Bq/m <sup>3</sup>	13	13	< 3.231e-06 (2e-06 - 6e-06)	0	
2023	Outdoor air	DOEL	Cs-137	Bq/m <sup>3</sup>	13	13	< 4e-06 (2e-06 - 7e-06)	0	
2023	Outdoor air	DOEL	I-131	Bq/m <sup>3</sup>	13	13	< 6.023e-05 (1.5e-05 - 0.00013)	0	
2023	Outdoor air	DOEL	K-40	Bq/m <sup>3</sup>	13	13	< 5.462e-05 (3e-05 - 0.00011)	0	
2023	Outdoor air	DOEL	Nb-95	Bq/m <sup>3</sup>	13	13	< 6.231e-06 (3e-06 - 1e-05)	0	
2023	Outdoor air	DOEL	Pb-210	Bq/m <sup>3</sup>	1	0		1	0.00027
2023	Outdoor air	DOEL	Rh-106	Bq/m <sup>3</sup>	3	3	< 2.423e-05 (1.37e-05 - 3e-05)	0	
2023	Outdoor air	DOEL	Ru-103	Bq/m <sup>3</sup>	13	13	< 5.769e-06 (3e-06 - 9e-06)	0	
2023	Outdoor air	DOEL	Ru-106	Bq/m <sup>3</sup>	10	10	< 3.17e-05 (1.7e-05 - 6e-05)	0	
2023	Outdoor air	DOEL	Se-75	Bq/m <sup>3</sup>	12	12	< 5.167e-06 (3e-06 - 9e-06)	0	
2023	Outdoor air	DOEL	T-Beta	Bq/m <sup>3</sup>	365	2	< 2.35e-05 (2.3e-05 - 2.4e-05)	363	0.0002965 (3.8e-05 - 0.00234)
2023	Outdoor air	DOEL	Zr-95	Bq/m <sup>3</sup>	13	13	< 8.385e-06 (5e-06 - 1.4e-05)	0	
2023	Total deposition filtered	DOEL	Be-7	Bq/m <sup>2</sup>	13	3	< 7 (7 - 7)	10	36.59 (8.9 - 80)
2023	Total deposition filtered	DOEL	Ce-141	Bq/m <sup>2</sup>	13	13	< 2.554 (1.6 - 4)	0	
2023	Total deposition filtered	DOEL	Ce-144	Bq/m <sup>2</sup>	13	13	< 6.831 (2.8 - 10)	0	
2023	Total deposition filtered	DOEL	Cs-134	Bq/m <sup>2</sup>	13	13	< 0.9769 (0.5 - 1.5)	0	
2023	Total deposition filtered	DOEL	Cs-137	Bq/m <sup>2</sup>	13	13	< 1.023 (0.09 - 1.7)	0	
2023	Total deposition filtered	DOEL	H-3	Bq/m <sup>2</sup>	13	12	< 712.5 (250 - 1500)	1	168
2023	Total deposition filtered	DOEL	I-131	Bq/m <sup>2</sup>	13	13	< 5.274 (0.07 - 12)	0	
2023	Total deposition filtered	DOEL	K-40	Bq/m <sup>2</sup>	26	13	< 18.77 (8 - 33)	13	0.9265 (0.17 - 3.91)
2023	Total deposition filtered	DOEL	Nb-95	Bq/m <sup>2</sup>	13	13	< 1.523 (0.8 - 2.5)	0	
2023	Total deposition filtered	DOEL	R-Beta	Bq/m <sup>2</sup>	13	0		13	2.333 (0.38 - 6.5)
2023	Total deposition filtered	DOEL	Ru-103	Bq/m <sup>2</sup>	13	13	< 1.454 (0.9 - 2.4)	0	
2023	Total deposition filtered	DOEL	Ru-106	Bq/m <sup>2</sup>	13	13	< 9.231 (5 - 14)	0	
2023	Total deposition filtered	DOEL	Se-75	Bq/m <sup>2</sup>	13	13	< 1.446 (0.9 - 2.1)	0	
2023	Total deposition filtered	DOEL	T-Alpha	Bq/m <sup>2</sup>	13	0		13	0.4332 (0.111 - 1.08)
2023	Total deposition filtered	DOEL	T-Beta	Bq/m <sup>2</sup>	13	0		13	3.255 (0.88 - 7.37)
2023	Total deposition filtered	DOEL	Zr-95	Bq/m <sup>2</sup>	13	13	< 2.308 (1.3 - 4)	0	
2023	Total deposition residue	DOEL	Be-7	Bq/m <sup>2</sup>	13	0		13	71 (20 - 152)
2023	Total deposition residue	DOEL	Ce-141	Bq/m <sup>2</sup>	13	13	< 0.7769 (0.4 - 1.1)	0	
2023	Total deposition residue	DOEL	Ce-144	Bq/m <sup>2</sup>	13	13	< 2.162 (1.2 - 3)	0	
2023	Total deposition residue	DOEL	Cs-134	Bq/m <sup>2</sup>	13	13	< 0.3415 (0.2 - 0.5)	0	
2023	Total deposition residue	DOEL	Cs-137	Bq/m <sup>2</sup>	13	13	< 0.3746 (0.22 - 0.5)	0	
2023	Total deposition residue	DOEL	I-131	Bq/m <sup>2</sup>	13	13	< 2.123 (0.8 - 4)	0	
2023	Total deposition residue	DOEL	K-40	Bq/m <sup>2</sup>	13	12	< 6.417 (3 - 11)	1	7
2023	Total deposition residue	DOEL	Nb-95	Bq/m <sup>2</sup>	13	13	< 0.5277 (0.28 - 0.8)	0	
2023	Total deposition residue	DOEL	Ru-103	Bq/m <sup>2</sup>	13	13	< 0.4923 (0.25 - 0.7)	0	
2023	Total deposition residue	DOEL	Ru-106	Bq/m <sup>2</sup>	13	13	< 3.192 (1.9 - 4)	0	
2023	Total deposition residue	DOEL	Se-75	Bq/m <sup>2</sup>	13	13	< 0.4462 (0.25 - 0.6)	0	
2023	Total deposition residue	DOEL	T-Alpha	Bq/m <sup>2</sup>	13	0		13	2.92 (0.61 - 11.9)
2023	Total deposition residue	DOEL	T-Beta	Bq/m <sup>2</sup>	13	0		13	9.284 (3.44 - 20)
2023	Total deposition residue	DOEL	Zr-95	Bq/m <sup>2</sup>	13	13	< 0.7692 (0.4 - 1.1)	0	
2023	Topsoil and grass	DOEL	Ag-110m	Bq/kg	1	1	< 1.2	0	
2023	Topsoil and grass	DOEL	Be-7	Bq/kg	1	1	< 11	0	
2023	Topsoil and grass	DOEL	Co-57	Bq/kg	1	1	< 1	0	
2023	Topsoil and grass	DOEL	Co-58	Bq/kg	1	1	< 1.2	0	
2023	Topsoil and grass	DOEL	Co-60	Bq/kg	1	1	< 1	0	
2023	Topsoil and grass	DOEL	Cs-134	Bq/kg	1	1	< 1.2	0	
2023	Topsoil and grass	DOEL	Cs-137	Bq/kg	1	0		1	3.4
2023	Topsoil and grass	DOEL	I-131	Bq/kg	1	1	< 7	0	
2023	Topsoil and grass	DOEL	K-40	Bq/kg	1	0		1	520
2023	Topsoil and grass	DOEL	Mn-54	Bq/kg	1	1	< 1.1	0	

2023	Topsoil and grass	DOEL	Ra-226	Bq/kg	1	0		1	34.4
2023	Topsoil and grass	DOEL	Ra-228	Bq/kg	1	0		1	36
2023	Topsoil and grass	DOEL	Th-228	Bq/kg	1	0		1	36
2023	Topsoil and grass	DOEL	Zn-65	Bq/kg	1	1	< 3	0	
2023	River water	DOEL (LILLO)	Am-241	Bq/l	13	13	< 0.0001231 (8e-05 - 3e-04)	0	
2023	River water	DOEL (LILLO)	Be-7	Bq/l	26	26	< 1.112 (0.6 - 1.6)	0	
2023	River water	DOEL (LILLO)	Ce-141	Bq/l	26	26	< 0.2292 (0.14 - 0.3)	0	
2023	River water	DOEL (LILLO)	Ce-144	Bq/l	26	26	< 0.7769 (0.3 - 1.1)	0	
2023	River water	DOEL (LILLO)	Cs-134	Bq/l	26	26	< 0.1096 (0.06 - 0.16)	0	
2023	River water	DOEL (LILLO)	Cs-137	Bq/l	26	26	< 0.1229 (0.011 - 0.2)	0	
2023	River water	DOEL (LILLO)	H-3	Bq/l	26	18	< 9.722 (5 - 26)	8	9.112 (6 - 14.9)
2023	River water	DOEL (LILLO)	I-131	Bq/l	26	26	< 0.3167 (0.004 - 0.8)	0	
2023	River water	DOEL (LILLO)	K-40	Bq/l	52	9	< 3.422 (2.8 - 5)	43	2.585 (0.8 - 6)
2023	River water	DOEL (LILLO)	Nb-95	Bq/l	26	26	< 0.1481 (0.07 - 0.24)	0	
2023	River water	DOEL (LILLO)	Pu(239+240)	Bq/l	13	13	< 0.0002031 (0.00014 - 3e-04)	0	
2023	River water	DOEL (LILLO)	Pu-238	Bq/l	13	13	< 0.0002023 (0.00012 - 0.00027)	0	
2023	River water	DOEL (LILLO)	R-Beta	Bq/l	26	24	< 0.4479 (0.22 - 0.8)	2	1.86 (0.42 - 3.3)
2023	River water	DOEL (LILLO)	Ra-228	Bq/l	1	1	< 0.6	0	
2023	River water	DOEL (LILLO)	Ru-103	Bq/l	26	26	< 0.1419 (0.08 - 0.21)	0	
2023	River water	DOEL (LILLO)	Ru-106	Bq/l	26	26	< 1.058 (0.5 - 1.6)	0	
2023	River water	DOEL (LILLO)	Se-75	Bq/l	26	26	< 0.1538 (0.09 - 0.22)	0	
2023	River water	DOEL (LILLO)	Sr-90	Bq/l	2	2	< 0.07 (0.07 - 0.07)	0	
2023	River water	DOEL (LILLO)	T-Alfa	Bq/l	26	7	< 0.07 (0.05 - 0.1)	19	0.05658 (0.04 - 0.075)
2023	River water	DOEL (LILLO)	T-Beta	Bq/l	26	0		26	2.684 (1.1 - 4.5)
2023	River water	DOEL (LILLO)	Th-232	Bq/l	1	1	< 0.6	0	
2023	River water	DOEL (LILLO)	U-234	Bq/l	13	0		13	0.01851 (0.0129 - 0.0228)
2023	River water	DOEL (LILLO)	U-235	Bq/l	13	0		13	0.0007692 (0.00052 - 9e-04)
2023	River water	DOEL (LILLO)	U-238	Bq/l	13	0		13	0.01615 (0.0124 - 0.0197)
2023	River water	DOEL (LILLO)	Zr-95	Bq/l	26	26	< 0.2177 (0.11 - 0.3)	0	
2023	River sediments	DOEL	Ag-110m	Bq/kg	13	13	< 1.369 (1.1 - 1.7)	0	
2023	River sediments	DOEL	Am-241	Bq/kg	7	1	< 0.22	6	0.7833 (0.4 - 1)
2023	River sediments	DOEL	Be-7	Bq/kg	13	5	< 10.4 (7 - 14)	8	17.46 (5.7 - 36)
2023	River sediments	DOEL	Co-57	Bq/kg	13	13	< 0.7538 (0.4 - 1.1)	0	
2023	River sediments	DOEL	Co-58	Bq/kg	13	13	< 1.331 (1 - 1.8)	0	
2023	River sediments	DOEL	Co-60	Bq/kg	13	13	< 1.054 (0.7 - 1.5)	0	
2023	River sediments	DOEL	Cs-134	Bq/kg	13	13	< 1.185 (0.9 - 1.5)	0	
2023	River sediments	DOEL	Cs-137	Bq/kg	13	0		13	4.877 (4.2 - 6.1)
2023	River sediments	DOEL	I-131	Bq/kg	13	13	< 21.46 (8 - 40)	0	
2023	River sediments	DOEL	K-40	Bq/kg	13	0		13	546.2 (480 - 670)
2023	River sediments	DOEL	Mn-54	Bq/kg	13	13	< 1.069 (0.6 - 1.4)	0	
2023	River sediments	DOEL	Ra-226	Bq/kg	13	0		13	33.92 (23.5 - 44)
2023	River sediments	DOEL	Ra-228	Bq/kg	13	0		13	29.36 (24.9 - 36)
2023	River sediments	DOEL	Th-228	Bq/kg	13	0		13	33.91 (30.4 - 44)
2023	River sediments	DOEL	U-235	Bq/kg	1	0		1	2.1
2023	River sediments	DOEL	U-238	Bq/kg	8	0		8	32 (18 - 44)
2023	River sediments	DOEL	Zn-65	Bq/kg	13	13	< 3.323 (2.6 - 4)	0	
2023	Oysters Scheldt	DOEL	Ag-110m	Bq/kg	1	1	< 1.7	0	
2023	Oysters Scheldt	DOEL	Am-241	Bq/kg	1	1	< 0.07	0	
2023	Oysters Scheldt	DOEL	Be-7	Bq/kg	1	1	< 19	0	
2023	Oysters Scheldt	DOEL	Co-57	Bq/kg	1	1	< 1	0	
2023	Oysters Scheldt	DOEL	Co-58	Bq/kg	1	1	< 2.1	0	
2023	Oysters Scheldt	DOEL	Co-60	Bq/kg	1	1	< 1.8	0	
2023	Oysters Scheldt	DOEL	Cs-134	Bq/kg	1	1	< 1.6	0	
2023	Oysters Scheldt	DOEL	Cs-137	Bq/kg	1	1	< 1.9	0	
2023	Oysters Scheldt	DOEL	H-3	Bq/kg	1	1	< 6	0	
2023	Oysters Scheldt	DOEL	I-131	Bq/kg	1	1	< 16	0	
2023	Oysters Scheldt	DOEL	K-40	Bq/kg	1	0		1	250
2023	Oysters Scheldt	DOEL	Mn-54	Bq/kg	1	1	< 1.9	0	
2023	Oysters Scheldt	DOEL	Pu(239+240)	Bq/kg	1	1	< 0.08	0	
2023	Oysters Scheldt	DOEL	Pu-238	Bq/kg	1	1	< 0.07	0	

2023	Oysters Scheldt	DOEL	Ra-226	Bq/kg	1	1	< 4	0	
2023	Oysters Scheldt	DOEL	Ra-228	Bq/kg	1	1	< 8	0	
2023	Oysters Scheldt	DOEL	Sr-90	Bq/kg	1	1	< 4	0	
2023	Oysters Scheldt	DOEL	Th-228	Bq/kg	1	1	< 2.9	0	
2023	Oysters Scheldt	DOEL	Zn-65	Bq/kg	1	1	< 5	0	
2023	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Ag-110m	Bq/kg	3	3	< 0.8667 (0.6 - 1.1)	0	
2023	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Am-241	Bq/kg	3	3	< 0.05 (0.04 - 0.07)	0	
2023	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Be-7	Bq/kg	3	3	< 8.333 (6 - 11)	0	
2023	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Co-57	Bq/kg	3	3	< 0.4667 (0.3 - 0.8)	0	
2023	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Co-58	Bq/kg	3	3	< 1.067 (0.8 - 1.4)	0	
2023	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Co-60	Bq/kg	3	3	< 0.9 (0.7 - 1)	0	
2023	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Cs-134	Bq/kg	3	3	< 0.8 (0.7 - 1)	0	
2023	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Cs-137	Bq/kg	3	3	< 0.8667 (0.7 - 1.1)	0	
2023	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	H-3	Bq/kg	3	3	< 6.667 (6 - 8)	0	
2023	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	I-131	Bq/kg	3	3	< 8.667 (6 - 11)	0	
2023	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	K-40	Bq/kg	3	0		3	189.3 (178 - 201)
2023	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Mn-54	Bq/kg	3	3	< 0.8333 (0.6 - 1)	0	
2023	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Pu(239+240)	Bq/kg	3	3	< 0.05667 (0.05 - 0.06)	0	
2023	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Pu-238	Bq/kg	3	3	< 0.06 (0.05 - 0.07)	0	
2023	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Ra-226	Bq/kg	3	2	< 1.35 (1.3 - 1.4)	1	3.7
2023	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Ra-228	Bq/kg	3	2	< 3.4 (2.8 - 4)	1	7
2023	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Sr-90	Bq/kg	3	3	< 4.333 (3 - 6)	0	
2023	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Th-228	Bq/kg	3	2	< 1.5 (1.1 - 1.9)	1	0.93
2023	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Zn-65	Bq/kg	3	3	< 2.067 (1.6 - 2.5)	0	
2023	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Ag-110m	Bq/kg	4	4	< 1.075 (0.9 - 1.3)	0	
2023	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Am-241	Bq/kg	4	4	< 0.095 (0.08 - 0.13)	0	
2023	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Be-7	Bq/kg	4	3	< 11.67 (9 - 14)	1	5.3
2023	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Co-57	Bq/kg	4	4	< 0.65 (0.4 - 0.9)	0	
2023	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Co-58	Bq/kg	4	4	< 1.45 (1.2 - 1.7)	0	
2023	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Co-60	Bq/kg	4	4	< 1.225 (1 - 1.4)	0	
2023	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Cs-134	Bq/kg	4	4	< 1.05 (0.8 - 1.3)	0	
2023	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Cs-137	Bq/kg	4	4	< 1.1 (0.9 - 1.4)	0	
2023	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	H-3	Bq/kg	4	3	< 6.333 (5 - 8)	1	6
2023	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	I-131	Bq/kg	4	4	< 10.75 (8 - 13)	0	
2023	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	K-40	Bq/kg	4	0		4	947.5 (860 - 1120)
2023	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Mn-54	Bq/kg	4	4	< 1.2 (1 - 1.4)	0	
2023	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Pu(239+240)	Bq/kg	4	4	< 0.1325 (0.11 - 0.16)	0	
2023	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Pu-238	Bq/kg	4	4	< 0.1425 (0.12 - 0.17)	0	
2023	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Ra-226	Bq/kg	4	0		4	4.875 (3.6 - 6.4)
2023	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Ra-228	Bq/kg	4	0		4	7.225 (5.9 - 8.7)
2023	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Sr-90	Bq/kg	4	4	< 4.4 (2.6 - 6)	0	
2023	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Tc-99	Bq/kg	4	4	< 46.25 (25 - 90)	0	
2023	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Th-228	Bq/kg	4	2	< 1.8 (1.5 - 2.1)	2	1.05 (0.8 - 1.3)
2023	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Zn-65	Bq/kg	4	4	< 3.375 (2.7 - 4)	0	
2023	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Ag-110m	Bq/kg	3	3	< 1.767 (1.5 - 2.3)	0	
2023	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Am-241	Bq/kg	3	3	< 0.07333 (0.06 - 0.08)	0	
2023	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Be-7	Bq/kg	3	3	< 19.67 (14 - 28)	0	
2023	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Co-57	Bq/kg	3	3	< 1.233 (0.9 - 1.8)	0	
2023	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Co-58	Bq/kg	3	3	< 2.067 (1.7 - 2.8)	0	
2023	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Co-60	Bq/kg	3	3	< 1.5 (1.1 - 2.1)	0	
2023	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Cs-134	Bq/kg	3	3	< 1.633 (1.3 - 2.3)	0	
2023	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Cs-137	Bq/kg	3	2	< 1.95 (1.5 - 2.4)	1	0.9
2023	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	H-3	Bq/kg	3	0		3	9.033 (6.1 - 11)
2023	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	I-131	Bq/kg	3	3	< 40 (20 - 50)	0	
2023	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	K-40	Bq/kg	3	0		3	406.7 (300 - 480)
2023	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Mn-54	Bq/kg	3	3	< 1.667 (1.3 - 2.3)	0	
2023	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Pu(239+240)	Bq/kg	3	2	< 0.065 (0.05 - 0.08)	1	0.09
2023	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Pu-238	Bq/kg	3	3	< 0.08 (0.06 - 0.12)	0	
2023	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Ra-226	Bq/kg	2	0		2	3.45 (3 - 3.9)
2023	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Ra-228	Bq/kg	3	1	< 9	2	3.75 (2.3 - 5.2)

2023	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Sr-90	Bq/kg	3	3	< 4.967 (2.9 - 7)	0	
2023	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Th-228	Bq/kg	3	3	< 2.833 (2.2 - 4)	0	
2023	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Th-232	Bq/kg	1	1	< 9	0	
2023	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Zn-65	Bq/kg	3	3	< 4 (3 - 5)	0	
2023	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Ag-110m	Bq/l	13	5	< 0.94 (0.4 - 2.2)	8	3.24 (1.52 - 8.9)
2023	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Be-7	Bq/l	13	13	< 8.692 (4 - 22)	0	
2023	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Ce-141	Bq/l	13	13	< 1.738 (0.6 - 5)	0	
2023	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Ce-144	Bq/l	13	13	< 3.938 (1.6 - 10)	0	
2023	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Co-57	Bq/l	13	12	< 0.5033 (0.19 - 1.3)	1	0.28
2023	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Co-58	Bq/l	13	5	< 1.28 (0.5 - 2.4)	8	4.306 (0.65 - 9.9)
2023	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Co-60	Bq/l	13	3	< 0.9333 (0.4 - 1.8)	10	2.566 (1.02 - 5.9)
2023	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Cr-51	Bq/l	13	13	< 11.69 (5 - 30)	0	
2023	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Cs-134	Bq/l	13	13	< 0.7692 (0.4 - 1.8)	0	
2023	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Cs-137	Bq/l	13	2	< 0.5 (0.4 - 0.6)	11	2.398 (0.88 - 5.1)
2023	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Fe-59	Bq/l	13	13	< 2.092 (1 - 6)	0	
2023	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	H-3	Bq/l	13	0		13	397400 (118000 - 1200000)
2023	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	I-131	Bq/l	13	13	< 9.969 (0.4 - 40)	0	
2023	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Mn-54	Bq/l	13	13	< 0.7615 (0.4 - 1.8)	0	
2023	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Nb-95	Bq/l	13	13	< 1.4 (0.5 - 4)	0	
2023	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Ru-103	Bq/l	13	13	< 1.162 (0.5 - 3)	0	
2023	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Ru-106	Bq/l	13	13	< 6.908 (3.8 - 17)	0	
2023	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Sb-124	Bq/l	13	7	< 1.314 (0.5 - 2.6)	6	4.728 (0.77 - 11.5)
2023	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Sb-125	Bq/l	13	3	< 2.4 (1 - 5)	10	15.77 (2.9 - 71)
2023	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Sn-113	Bq/l	13	13	< 1.038 (0.5 - 2.5)	0	
2023	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Te-123m	Bq/l	13	4	< 0.5275 (0.3 - 1)	9	3.802 (0.91 - 14.6)
2023	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Zn-65	Bq/l	13	13	< 1.677 (0.9 - 4)	0	
2023	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Zr-95	Bq/l	13	13	< 1.669 (0.9 - 4)	0	
2023	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Ag-110m	Bq/l	13	12	< 0.875 (0.4 - 1.8)	1	2.58
2023	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Be-7	Bq/l	13	13	< 9.385 (3 - 21)	0	
2023	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Ce-141	Bq/l	13	13	< 2.046 (0.4 - 5)	0	
2023	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Ce-144	Bq/l	13	13	< 5.054 (1.2 - 11)	0	
2023	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Co-57	Bq/l	13	13	< 0.6431 (0.15 - 1.4)	0	
2023	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Co-58	Bq/l	13	12	< 1 (0.4 - 2.2)	1	9
2023	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Co-60	Bq/l	13	12	< 0.8083 (0.4 - 1.7)	1	7.9
2023	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Cr-51	Bq/l	13	13	< 13.14 (2.8 - 30)	0	
2023	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Cs-134	Bq/l	13	13	< 0.8231 (0.3 - 1.7)	0	
2023	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Cs-137	Bq/l	13	13	< 0.9077 (0.4 - 1.8)	0	
2023	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Fe-59	Bq/l	13	13	< 2.292 (0.7 - 5)	0	
2023	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	H-3	Bq/l	13	2	< 12.5 (12 - 13)	11	31.95 (13.3 - 86)
2023	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	I-131	Bq/l	13	13	< 9.56 (0.28 - 28)	0	
2023	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Mn-54	Bq/l	13	12	< 0.8333 (0.4 - 1.7)	1	0.52
2023	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Nb-95	Bq/l	13	13	< 1.392 (0.4 - 3)	0	
2023	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Rh-106	Bq/l	1	1	< 6	0	
2023	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Ru-103	Bq/l	13	13	< 1.277 (0.4 - 2.9)	0	
2023	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Ru-106	Bq/l	13	13	< 7.769 (4 - 16)	0	
2023	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Sb-124	Bq/l	13	12	< 1.108 (0.4 - 2.3)	1	0.7
2023	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Sb-125	Bq/l	13	12	< 2.233 (0.8 - 5)	1	3.4
2023	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Sn-113	Bq/l	13	13	< 1.169 (0.4 - 2.5)	0	
2023	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Te-123m	Bq/l	13	12	< 0.7467 (0.21 - 1.6)	1	1.18
2023	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Zn-65	Bq/l	13	13	< 1.9 (0.8 - 4)	0	
2023	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Zr-95	Bq/l	13	13	< 1.908 (0.7 - 4)	0	

**Table S6. Radioactivity measurements around the Brussels-Capital region: atmosphere and soil.**

Values are expressed in Bq/kg dry matter, Bq/m<sup>2</sup> or Bq/m<sup>3</sup> (DL: detection limit).

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2023	Outdoor air	BRUSSELS	Be-7	Bq/m <sup>3</sup>	13	0		13	0.002334 (0.0009271 - 0.006306)
2023	Outdoor air	BRUSSELS	Ce-141	Bq/m <sup>3</sup>	13	13	< 9.179e-05 (1.93e-05 - 0.0002312)	0	
2023	Outdoor air	BRUSSELS	Ce-144	Bq/m <sup>3</sup>	13	13	< 9.999e-05 (4.37e-05 - 0.0001282)	0	
2023	Outdoor air	BRUSSELS	Cs-134	Bq/m <sup>3</sup>	13	13	< 2.85e-05 (1.51e-05 - 3.8e-05)	0	
2023	Outdoor air	BRUSSELS	Cs-137	Bq/m <sup>3</sup>	13	13	< 2.389e-05 (1.26e-05 - 3.06e-05)	0	
2023	Outdoor air	BRUSSELS	I-131	Bq/m <sup>3</sup>	13	13	< 0.0211 (0.0001069 - 0.1661)	0	
2023	Outdoor air	BRUSSELS	K-40	Bq/m <sup>3</sup>	13	2	< 0.0004234 (0.0004162 - 0.0004306)	11	0.000547 (0.0003595 - 0.0007454)
2023	Outdoor air	BRUSSELS	Nb-95	Bq/m <sup>3</sup>	13	13	< 8.982e-05 (2.12e-05 - 0.0002234)	0	
2023	Outdoor air	BRUSSELS	Ru-103	Bq/m <sup>3</sup>	13	13	< 6.471e-05 (1.71e-05 - 0.0001634)	0	
2023	Outdoor air	BRUSSELS	Ru-106	Bq/m <sup>3</sup>	13	13	< 0.000226 (0.0001106 - 0.0003149)	0	
2023	Outdoor air	BRUSSELS	T-Beta	Bq/m <sup>3</sup>	365	80	< 0.0001611 (0.0001406 - 0.0002586)	285	0.0005042 (0.0001435 - 0.004791)
2023	Outdoor air	BRUSSELS	Zr-95	Bq/m <sup>3</sup>	13	13	< 8.334e-05 (2.87e-05 - 0.0001466)	0	
2023	Total deposition filtered	BRUSSELS	Be-7	Bq/m <sup>2</sup>	13	4	< 15.13 (13.07 - 16.53)	9	29.36 (11.81 - 60.47)
2023	Total deposition filtered	BRUSSELS	Ce-141	Bq/m <sup>2</sup>	13	13	< 3.232 (2.746 - 3.949)	0	
2023	Total deposition filtered	BRUSSELS	Ce-144	Bq/m <sup>2</sup>	13	13	< 9.57 (9.127 - 10.08)	0	
2023	Total deposition filtered	BRUSSELS	Cs-134	Bq/m <sup>2</sup>	13	13	< 1.44 (1.326 - 1.673)	0	
2023	Total deposition filtered	BRUSSELS	Cs-137	Bq/m <sup>2</sup>	13	13	< 1.438 (1.286 - 1.714)	0	
2023	Total deposition filtered	BRUSSELS	H-3	Bq/m <sup>2</sup>	13	13	< 325.6 (58.1 - 626)	0	
2023	Total deposition filtered	BRUSSELS	I-131	Bq/m <sup>2</sup>	13	13	< 7.204 (3.983 - 17.4)	0	
2023	Total deposition filtered	BRUSSELS	K-40	Bq/m <sup>2</sup>	13	0		13	0.6211 (0.03449 - 1.193)
2023	Total deposition filtered	BRUSSELS	Nb-95	Bq/m <sup>2</sup>	13	13	< 2.034 (1.728 - 2.772)	0	
2023	Total deposition filtered	BRUSSELS	R-Beta	Bq/l	13	0		13	0.0153 (0.006251 - 0.03404)
2023	Total deposition filtered	BRUSSELS	Ru-103	Bq/m <sup>2</sup>	13	13	< 1.865 (1.653 - 2.296)	0	
2023	Total deposition filtered	BRUSSELS	Ru-106	Bq/m <sup>2</sup>	13	13	< 12.81 (11.29 - 15.19)	0	
2023	Total deposition filtered	BRUSSELS	T-Alfa	Bq/m <sup>2</sup>	13	2	< 0.05262 (0.04116 - 0.06407)	11	0.1674 (0.07939 - 0.4074)
2023	Total deposition filtered	BRUSSELS	T-Beta	Bq/m <sup>2</sup>	13	0		13	1.845 (0.5789 - 3.803)
2023	Total deposition filtered	BRUSSELS	Zr-95	Bq/m <sup>2</sup>	13	13	< 2.963 (2.565 - 3.587)	0	
2023	Total deposition residue	BRUSSELS	Be-7	Bq/m <sup>2</sup>	13	1	< 6.102	12	17.87 (6.584 - 26.69)
2023	Total deposition residue	BRUSSELS	Ce-141	Bq/m <sup>2</sup>	13	13	< 1.089 (0.6216 - 1.353)	0	
2023	Total deposition residue	BRUSSELS	Ce-144	Bq/m <sup>2</sup>	13	13	< 3.079 (1.873 - 4.033)	0	
2023	Total deposition residue	BRUSSELS	Cs-134	Bq/m <sup>2</sup>	13	13	< 0.6192 (0.397 - 0.8756)	0	
2023	Total deposition residue	BRUSSELS	Cs-137	Bq/m <sup>2</sup>	13	13	< 0.6188 (0.3938 - 0.8522)	0	
2023	Total deposition residue	BRUSSELS	I-131	Bq/m <sup>2</sup>	13	13	< 2.547 (1.216 - 3.792)	0	
2023	Total deposition residue	BRUSSELS	K-40	Bq/m <sup>2</sup>	13	13	< 8.767 (5.667 - 12.49)	0	
2023	Total deposition residue	BRUSSELS	Nb-95	Bq/m <sup>2</sup>	13	13	< 0.8134 (0.4953 - 1.036)	0	
2023	Total deposition residue	BRUSSELS	Ru-103	Bq/m <sup>2</sup>	13	13	< 0.7339 (0.4476 - 0.9598)	0	
2023	Total deposition residue	BRUSSELS	Ru-106	Bq/m <sup>2</sup>	13	13	< 5.357 (3.42 - 7.417)	0	
2023	Total deposition residue	BRUSSELS	T-Alfa	Bq/m <sup>2</sup>	13	0		13	0.9283 (0.2806 - 1.611)
2023	Total deposition residue	BRUSSELS	T-Beta	Bq/m <sup>2</sup>	13	0		13	3.209 (1.012 - 5.89)
2023	Total deposition residue	BRUSSELS	Zr-95	Bq/m <sup>2</sup>	13	13	< 1.192 (0.75 - 1.598)	0	
2023	Topsoil and grass	BRUSSELS	Ag-110m	Bq/kg	1	1	< 1.628	0	
2023	Topsoil and grass	BRUSSELS	Be-7	Bq/kg	1	1	< 18.44	0	
2023	Topsoil and grass	BRUSSELS	Co-57	Bq/kg	1	1	< 0.8386	0	
2023	Topsoil and grass	BRUSSELS	Co-58	Bq/kg	1	1	< 1.972	0	
2023	Topsoil and grass	BRUSSELS	Co-60	Bq/kg	1	1	< 1.342	0	
2023	Topsoil and grass	BRUSSELS	Cs-134	Bq/kg	1	1	< 1.205	0	
2023	Topsoil and grass	BRUSSELS	Cs-137	Bq/kg	1	0		1	2.434
2023	Topsoil and grass	BRUSSELS	I-131	Bq/kg	1	1	< 240.5	0	
2023	Topsoil and grass	BRUSSELS	K-40	Bq/kg	1	0		1	498.2
2023	Topsoil and grass	BRUSSELS	Mn-54	Bq/kg	1	1	< 1.443	0	
2023	Topsoil and grass	BRUSSELS	Ra-226	Bq/kg	1	0		1	46.03
2023	Topsoil and grass	BRUSSELS	Ra-228	Bq/kg	1	0		1	38.27
2023	Topsoil and grass	BRUSSELS	Ru-106	Bq/kg	1	1	< 10.95	0	
2023	Topsoil and grass	BRUSSELS	Sb-125	Bq/kg	1	1	< 3.294	0	
2023	Topsoil and grass	BRUSSELS	Th-228	Bq/kg	1	0		1	42.52

2023	Topsoil and grass	BRUSSELS	Zn-65	Bq/kg	1	1	< 3.59	0	
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**Table S7. Radioactivity measurements of the Belgian Coast: atmosphere, soil and the North Sea (water, sediments and fauna & flora).**

Values are expressed in Bq/kg dry matter, Bq/liter, Bq/m<sup>2</sup> or Bq/m<sup>3</sup> (DL: detection limit).

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2023	Outdoor air	KOKSIJDE	Be-7	Bq/m <sup>3</sup>	13	0		13	0.002456 (0.00126 - 0.0038)
2023	Outdoor air	KOKSIJDE	Ce-141	Bq/m <sup>3</sup>	13	13	< 1.985e-05 (7e-06 - 5e-05)	0	
2023	Outdoor air	KOKSIJDE	Ce-144	Bq/m <sup>3</sup>	13	13	< 2.462e-05 (9e-06 - 4e-05)	0	
2023	Outdoor air	KOKSIJDE	Cs-134	Bq/m <sup>3</sup>	13	13	< 3.308e-06 (2e-06 - 6e-06)	0	
2023	Outdoor air	KOKSIJDE	Cs-137	Bq/m <sup>3</sup>	13	13	< 3.615e-06 (2e-06 - 6e-06)	0	
2023	Outdoor air	KOKSIJDE	I-131	Bq/m <sup>3</sup>	13	13	< 0.002804 (6e-05 - 0.03)	0	
2023	Outdoor air	KOKSIJDE	K-40	Bq/m <sup>3</sup>	13	12	< 5.567e-05 (2.9e-05 - 0.00011)	1	5e-05
2023	Outdoor air	KOKSIJDE	Nb-95	Bq/m <sup>3</sup>	13	13	< 1.146e-05 (5e-06 - 3e-05)	0	
2023	Outdoor air	KOKSIJDE	Ru-103	Bq/m <sup>3</sup>	13	13	< 9.769e-06 (4e-06 - 2.4e-05)	0	
2023	Outdoor air	KOKSIJDE	Ru-106	Bq/m <sup>3</sup>	13	13	< 3.3e-05 (1.8e-05 - 6e-05)	0	
2023	Outdoor air	KOKSIJDE	Se-75	Bq/m <sup>3</sup>	13	13	< 5.615e-06 (2e-06 - 8e-06)	0	
2023	Outdoor air	KOKSIJDE	T-Beta	Bq/m <sup>3</sup>	172	1	< 1.1e-05	171	0.0003072 (3.4e-05 - 0.00234)
2023	Outdoor air	KOKSIJDE	Zr-95	Bq/m <sup>3</sup>	13	13	< 1.131e-05 (6e-06 - 2.1e-05)	0	
2023	Topsoil and grass	KOKSIJDE	Ag-110m	Bq/kg	1	1	< 0.7	0	
2023	Topsoil and grass	KOKSIJDE	Be-7	Bq/kg	1	1	< 6	0	
2023	Topsoil and grass	KOKSIJDE	Co-57	Bq/kg	1	1	< 0.5	0	
2023	Topsoil and grass	KOKSIJDE	Co-58	Bq/kg	1	1	< 0.6	0	
2023	Topsoil and grass	KOKSIJDE	Co-60	Bq/kg	1	1	< 0.5	0	
2023	Topsoil and grass	KOKSIJDE	Cs-134	Bq/kg	1	1	< 0.6	0	
2023	Topsoil and grass	KOKSIJDE	Cs-137	Bq/kg	1	0		1	3.1
2023	Topsoil and grass	KOKSIJDE	I-131	Bq/kg	1	1	< 6	0	
2023	Topsoil and grass	KOKSIJDE	K-40	Bq/kg	1	0		1	283
2023	Topsoil and grass	KOKSIJDE	Mn-54	Bq/kg	1	1	< 0.6	0	
2023	Topsoil and grass	KOKSIJDE	Ra-226	Bq/kg	1	0		1	11.9
2023	Topsoil and grass	KOKSIJDE	Ra-228	Bq/kg	1	0		1	12.1
2023	Topsoil and grass	KOKSIJDE	Th-228	Bq/kg	1	0		1	10.9
2023	Topsoil and grass	KOKSIJDE	Zn-65	Bq/kg	1	1	< 1.6	0	
2023	North Sea water	NORTH SEA	Ag-110m	Bq/l	20	20	< 0.048 (0.03 - 0.09)	0	
2023	North Sea water	NORTH SEA	Be-7	Bq/l	20	20	< 0.575 (0.4 - 1.6)	0	
2023	North Sea water	NORTH SEA	Co-57	Bq/l	20	20	< 0.0445 (0.04 - 0.07)	0	
2023	North Sea water	NORTH SEA	Co-58	Bq/l	20	20	< 0.0595 (0.04 - 0.15)	0	
2023	North Sea water	NORTH SEA	Co-60	Bq/l	20	20	< 0.0435 (0.03 - 0.08)	0	
2023	North Sea water	NORTH SEA	Cs-134	Bq/l	20	20	< 0.0284 (6e-04 - 0.5)	0	
2023	North Sea water	NORTH SEA	Cs-137	Bq/l	20	18	< 0.07684 (7e-04 - 1.3)	2	0.0012 (0.0011 - 0.0013)
2023	North Sea water	NORTH SEA	I-131	Bq/l	20	20	< 3.465 (0.008 - 40)	0	
2023	North Sea water	NORTH SEA	K-40	Bq/l	20	0		20	10.9 (9.7 - 12.1)
2023	North Sea water	NORTH SEA	Mn-54	Bq/l	20	20	< 0.045 (0.03 - 0.09)	0	
2023	North Sea water	NORTH SEA	Pu(239+240)	Bq/l	20	20	< 0.000166 (9e-05 - 0.00028)	0	
2023	North Sea water	NORTH SEA	Pu-238	Bq/l	20	20	< 0.000168 (9e-05 - 3e-04)	0	
2023	North Sea water	NORTH SEA	Ra-226	Bq/l	20	20	< 0.09 (0.06 - 0.17)	0	
2023	North Sea water	NORTH SEA	Ra-228	Bq/l	20	14	< 0.1764 (0.12 - 0.3)	6	0.4767 (0.28 - 0.6)
2023	North Sea water	NORTH SEA	T-Alfa	Bq/l	20	3	< 0.2467 (0.23 - 0.27)	17	0.08282 (0.076 - 0.091)
2023	North Sea water	NORTH SEA	T-Beta	Bq/l	20	0		20	11.47 (10.4 - 13.8)
2023	North Sea water	NORTH SEA	Th-228	Bq/l	20	20	< 0.0835 (0.06 - 0.15)	0	
2023	North Sea water	NORTH SEA	Zn-65	Bq/l	20	20	< 0.1055 (0.07 - 0.21)	0	
2023	North Sea sediments	NORTH SEA	Ag-110m	Bq/kg	12	12	< 0.5733 (0.28 - 0.9)	0	
2023	North Sea sediments	NORTH SEA	Be-7	Bq/kg	12	10	< 7.3 (4 - 10)	2	2.45 (1.6 - 3.3)
2023	North Sea sediments	NORTH SEA	Co-57	Bq/kg	12	12	< 0.485 (0.22 - 0.7)	0	
2023	North Sea sediments	NORTH SEA	Co-58	Bq/kg	12	12	< 0.7083 (0.4 - 1.1)	0	
2023	North Sea sediments	NORTH SEA	Co-60	Bq/kg	12	12	< 0.5325 (0.29 - 0.8)	0	
2023	North Sea sediments	NORTH SEA	Cs-134	Bq/kg	12	12	< 0.575 (0.3 - 0.8)	0	
2023	North Sea sediments	NORTH SEA	Cs-137	Bq/kg	12	11	< 0.5445 (0.29 - 0.8)	1	0.7
2023	North Sea sediments	NORTH SEA	I-131	Bq/kg	12	12	< 14.08 (8 - 24)	0	
2023	North Sea sediments	NORTH SEA	K-40	Bq/kg	12	0		12	193.2 (81 - 280)
2023	North Sea sediments	NORTH SEA	Mn-54	Bq/kg	12	12	< 0.5583 (0.3 - 0.8)	0	



2023	North Sea sediments	NORTH SEA	Pu(239+240)	Bq/kg	12	11	< 0.3336 (0.19 - 0.6)	1	0.31
2023	North Sea sediments	NORTH SEA	Pu-238	Bq/kg	12	12	< 0.3375 (0.04 - 0.5)	0	
2023	North Sea sediments	NORTH SEA	Ra-226	Bq/kg	12	0		12	7.408 (4.2 - 12.6)
2023	North Sea sediments	NORTH SEA	Ra-228	Bq/kg	12	1	< 4	11	6.736 (3.4 - 13.2)
2023	North Sea sediments	NORTH SEA	Th-228	Bq/kg	12	0		12	6.933 (2.8 - 14.7)
2023	North Sea sediments	NORTH SEA	Th-232	Bq/kg	1	0		1	13.2
2023	North Sea sediments	NORTH SEA	Zn-65	Bq/kg	12	12	< 1.483 (0.8 - 2.4)	0	
2023	North Sea mussels	OOSTENDE	Ag-110m	Bq/kg	4	4	< 1 (0.8 - 1.2)	0	
2023	North Sea mussels	OOSTENDE	Am-241	Bq/kg	4	3	< 0.03467 (0.024 - 0.05)	1	0.07
2023	North Sea mussels	OOSTENDE	Be-7	Bq/kg	4	4	< 10.25 (9 - 12)	0	
2023	North Sea mussels	OOSTENDE	Co-57	Bq/kg	4	4	< 0.625 (0.5 - 0.7)	0	
2023	North Sea mussels	OOSTENDE	Co-58	Bq/kg	4	4	< 1.25 (1.1 - 1.5)	0	
2023	North Sea mussels	OOSTENDE	Co-60	Bq/kg	4	4	< 1.025 (0.8 - 1.3)	0	
2023	North Sea mussels	OOSTENDE	Cs-134	Bq/kg	4	4	< 0.925 (0.8 - 1.1)	0	
2023	North Sea mussels	OOSTENDE	Cs-137	Bq/kg	4	4	< 1.075 (0.9 - 1.3)	0	
2023	North Sea mussels	OOSTENDE	H-3	Bq/kg	4	4	< 7 (6 - 10)	0	
2023	North Sea mussels	OOSTENDE	I-131	Bq/kg	4	4	< 12.75 (8 - 19)	0	
2023	North Sea mussels	OOSTENDE	K-40	Bq/kg	4	0		4	219.5 (138 - 280)
2023	North Sea mussels	OOSTENDE	Mn-54	Bq/kg	4	4	< 1.05 (0.9 - 1.3)	0	
2023	North Sea mussels	OOSTENDE	Pu(239+240)	Bq/kg	4	4	< 0.0475 (0.03 - 0.07)	0	
2023	North Sea mussels	OOSTENDE	Pu-238	Bq/kg	4	4	< 0.05 (0.03 - 0.09)	0	
2023	North Sea mussels	OOSTENDE	Ra-226	Bq/kg	4	4	< 1.95 (1.7 - 2.4)	0	
2023	North Sea mussels	OOSTENDE	Ra-228	Bq/kg	4	3	< 4.333 (4 - 5)	1	12
2023	North Sea mussels	OOSTENDE	Sr-90	Bq/kg	4	4	< 3.825 (1.3 - 5)	0	
2023	North Sea mussels	OOSTENDE	Th-228	Bq/kg	4	4	< 1.575 (1.3 - 1.8)	0	
2023	North Sea mussels	OOSTENDE	Zn-65	Bq/kg	4	4	< 2.45 (2.1 - 3)	0	
2023	North Sea fish	NORTH SEA	Ag-110m	Bq/kg	20	20	< 1.715 (0.7 - 4)	0	
2023	North Sea fish	NORTH SEA	Am-241	Bq/kg	20	18	< 0.05722 (0.03 - 0.1)	2	0.525 (0.1 - 0.95)
2023	North Sea fish	NORTH SEA	Be-7	Bq/kg	20	20	< 23.45 (9 - 60)	0	
2023	North Sea fish	NORTH SEA	Co-57	Bq/kg	20	20	< 1.179 (0.28 - 3)	0	
2023	North Sea fish	NORTH SEA	Co-58	Bq/kg	20	20	< 2.51 (1 - 6)	0	
2023	North Sea fish	NORTH SEA	Co-60	Bq/kg	20	20	< 1.665 (0.8 - 4)	0	
2023	North Sea fish	NORTH SEA	Cs-134	Bq/kg	20	20	< 1.485 (0.7 - 4)	0	
2023	North Sea fish	NORTH SEA	Cs-137	Bq/kg	20	20	< 1.64 (0.7 - 4)	0	
2023	North Sea fish	NORTH SEA	H-3	Bq/kg	20	15	< 9.667 (7 - 13)	5	12.14 (7.8 - 19)
2023	North Sea fish	NORTH SEA	I-131	Bq/kg	20	20	< 160.3 (23 - 500)	0	
2023	North Sea fish	NORTH SEA	K-40	Bq/kg	20	0		20	425 (340 - 520)
2023	North Sea fish	NORTH SEA	Mn-54	Bq/kg	20	20	< 1.69 (0.8 - 4)	0	
2023	North Sea fish	NORTH SEA	Pu(239+240)	Bq/kg	20	20	< 0.053 (0.03 - 0.12)	0	
2023	North Sea fish	NORTH SEA	Pu-238	Bq/kg	20	20	< 0.055 (0.03 - 0.11)	0	
2023	North Sea fish	NORTH SEA	Ra-226	Bq/kg	20	20	< 2.97 (1.3 - 7)	0	
2023	North Sea fish	NORTH SEA	Ra-228	Bq/kg	20	20	< 6.35 (3 - 15)	0	
2023	North Sea fish	NORTH SEA	Sr-90	Bq/kg	20	20	< 3.99 (2.1 - 5)	0	
2023	North Sea fish	NORTH SEA	Tc-99	Bq/kg	20	18	< 7.6 (2.8 - 15)	2	14.65 (14.2 - 15.1)
2023	North Sea fish	NORTH SEA	Th-228	Bq/kg	20	20	< 2.605 (0.9 - 6)	0	
2023	North Sea fish	NORTH SEA	Zn-65	Bq/kg	20	20	< 4.45 (2.2 - 11)	0	
2023	North Sea aquatic plants	OOSTENDE	Ag-110m	Bq/kg	4	4	< 0.85 (0.5 - 1.2)	0	
2023	North Sea aquatic plants	OOSTENDE	Am-241	Bq/kg	4	4	< 0.1225 (0.03 - 0.2)	0	
2023	North Sea aquatic plants	OOSTENDE	Be-7	Bq/kg	4	1	< 10	3	14.03 (9.1 - 20)
2023	North Sea aquatic plants	OOSTENDE	Co-57	Bq/kg	4	4	< 0.75 (0.5 - 1)	0	
2023	North Sea aquatic plants	OOSTENDE	Co-58	Bq/kg	4	4	< 1.05 (0.6 - 1.4)	0	
2023	North Sea aquatic plants	OOSTENDE	Co-60	Bq/kg	4	4	< 0.85 (0.5 - 1.2)	0	
2023	North Sea aquatic plants	OOSTENDE	Cs-134	Bq/kg	4	4	< 0.85 (0.5 - 1.1)	0	
2023	North Sea aquatic plants	OOSTENDE	Cs-137	Bq/kg	4	4	< 0.875 (0.5 - 1.2)	0	
2023	North Sea aquatic plants	OOSTENDE	H-3	Bq/kg	4	3	< 7.667 (7 - 8)	1	6.5
2023	North Sea aquatic plants	OOSTENDE	I-131	Bq/kg	4	2	< 17.5 (15 - 20)	2	10 (8 - 12)
2023	North Sea aquatic plants	OOSTENDE	K-40	Bq/kg	4	0		4	1025 (900 - 1220)
2023	North Sea aquatic plants	OOSTENDE	Mn-54	Bq/kg	4	4	< 0.875 (0.5 - 1.2)	0	
2023	North Sea aquatic plants	OOSTENDE	Pu(239+240)	Bq/kg	4	4	< 0.1975 (0.04 - 0.4)	0	
2023	North Sea aquatic plants	OOSTENDE	Pu-238	Bq/kg	4	4	< 0.165 (0.04 - 0.28)	0	

2023	North Sea aquatic plants	OOSTENDE	Ra-226	Bq/kg	4	0		4	2.975 (1.8 - 4.3)
2023	North Sea aquatic plants	OOSTENDE	Ra-228	Bq/kg	4	1	< 5	3	6.133 (4.4 - 7.6)
2023	North Sea aquatic plants	OOSTENDE	Sr-90	Bq/kg	4	4	< 5.85 (2.4 - 9)	0	
2023	North Sea aquatic plants	OOSTENDE	Tc-99	Bq/kg	4	3	< 35.67 (27 - 40)	1	54
2023	North Sea aquatic plants	OOSTENDE	Th-228	Bq/kg	4	4	< 1.85 (1.4 - 2.5)	0	
2023	North Sea aquatic plants	OOSTENDE	Zn-65	Bq/kg	4	4	< 2.25 (1.3 - 3)	0	
2023	North Sea shrimps	OOSTENDE	Ag-110m	Bq/kg	4	4	< 0.725 (0.3 - 1.1)	0	
2023	North Sea shrimps	OOSTENDE	Am-241	Bq/kg	4	4	< 0.0455 (0.022 - 0.08)	0	
2023	North Sea shrimps	OOSTENDE	Be-7	Bq/kg	4	4	< 8.025 (2.1 - 12)	0	
2023	North Sea shrimps	OOSTENDE	Co-57	Bq/kg	4	4	< 0.5075 (0.13 - 0.8)	0	
2023	North Sea shrimps	OOSTENDE	Co-58	Bq/kg	4	4	< 0.875 (0.4 - 1.3)	0	
2023	North Sea shrimps	OOSTENDE	Co-60	Bq/kg	4	4	< 0.775 (0.4 - 1.1)	0	
2023	North Sea shrimps	OOSTENDE	Cs-134	Bq/kg	4	4	< 0.69 (0.26 - 1.1)	0	
2023	North Sea shrimps	OOSTENDE	Cs-137	Bq/kg	4	4	< 0.775 (0.3 - 1.2)	0	
2023	North Sea shrimps	OOSTENDE	H-3	Bq/kg	4	3	< 7.333 (6 - 9)	1	12.6
2023	North Sea shrimps	OOSTENDE	I-131	Bq/kg	4	4	< 11.75 (3 - 20)	0	
2023	North Sea shrimps	OOSTENDE	K-40	Bq/kg	4	0		4	157 (116 - 195)
2023	North Sea shrimps	OOSTENDE	Mn-54	Bq/kg	4	4	< 0.725 (0.3 - 1.1)	0	
2023	North Sea shrimps	OOSTENDE	Pu(239+240)	Bq/kg	4	4	< 0.035 (0.03 - 0.04)	0	
2023	North Sea shrimps	OOSTENDE	Pu-238	Bq/kg	4	4	< 0.0375 (0.03 - 0.04)	0	
2023	North Sea shrimps	OOSTENDE	Ra-226	Bq/kg	4	4	< 1.425 (0.5 - 2.2)	0	
2023	North Sea shrimps	OOSTENDE	Ra-228	Bq/kg	4	4	< 2.85 (1.3 - 4)	0	
2023	North Sea shrimps	OOSTENDE	Sr-90	Bq/kg	4	4	< 3.375 (1.5 - 5)	0	
2023	North Sea shrimps	OOSTENDE	Th-228	Bq/kg	4	4	< 1.2 (0.3 - 2)	0	
2023	North Sea shrimps	OOSTENDE	Zn-65	Bq/kg	4	4	< 1.875 (0.9 - 2.9)	0	

**Table S8. Radioactivity measurements of the food chain: drinking water, foodstuffs (fish, fruits & vegetables and meat), milk cow and control meals.**

Values are expressed in Bq/kg dry matter or Bq/liter. For control meals, all values are expressed in Bq/day per person, except C-14 that is expressed in Bq/g of stable carbone.

An assumption is made that, on average, an adult eats 2,5 kg of food per day (DL: detection limit).

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2023	Drinking water	BRUSSELS	H-3	Bq/l	4	2	< 6 (5 - 7)	2	16.5 (10.1 - 22.9)
2023	Drinking water	BRUSSELS	K-40	Bq/l	4	0		4	0.068 (0.055 - 0.078)
2023	Drinking water	BRUSSELS	R-Beta	Bq/l	4	3	< 0.03667 (0.03 - 0.04)	1	0.05
2023	Drinking water	BRUSSELS	Rn-222	Bq/l	4	1	< 0.9	3	1.79 (1.42 - 2.5)
2023	Drinking water	BRUSSELS	T-Alfa	Bq/l	4	3	< 0.015 (0.014 - 0.016)	1	0.029
2023	Drinking water	BRUSSELS	T-Beta	Bq/l	4	0		4	0.0775 (0.06 - 0.1)
2023	Drinking water	FLEURUS	H-3	Bq/l	4	2	< 3.073 (2.933 - 3.213)	2	8.316 (7.736 - 8.897)
2023	Drinking water	FLEURUS	K-40	Bq/l	4	0		4	0.05106 (0.04874 - 0.05513)
2023	Drinking water	FLEURUS	R-Beta	Bq/l	4	1	< 0.0399	3	0.06851 (0.05653 - 0.08253)
2023	Drinking water	FLEURUS	Ra-226	Bq/l	4	0		4	0.06224 (0.04592 - 0.07229)
2023	Drinking water	FLEURUS	Rn-222	Bq/l	4	0		4	6.962 (2.951 - 12.5)
2023	Drinking water	FLEURUS	T-Alfa	Bq/l	4	0		4	0.1514 (0.1238 - 0.1796)
2023	Drinking water	FLEURUS	T-Beta	Bq/l	4	0		4	0.1385 (0.1053 - 0.1944)
2023	Drinking water	GENT-SCHELDEWINDEKE	H-3	Bq/l	4	0		4	13.8 (5.8 - 18.8)
2023	Drinking water	GENT-SCHELDEWINDEKE	K-40	Bq/l	4	0		4	0.1278 (0.101 - 0.151)
2023	Drinking water	GENT-SCHELDEWINDEKE	R-Beta	Bq/l	4	4	< 0.035 (0.03 - 0.04)	0	
2023	Drinking water	GENT-SCHELDEWINDEKE	Rn-222	Bq/l	4	4	< 0.845 (0.28 - 1.1)	0	
2023	Drinking water	GENT-SCHELDEWINDEKE	T-Alfa	Bq/l	4	4	< 0.014 (0.012 - 0.015)	0	
2023	Drinking water	GENT-SCHELDEWINDEKE	T-Beta	Bq/l	4	0		4	0.125 (0.09 - 0.15)
2023	Drinking water	HASSELT-ZEPPEREN	H-3	Bq/l	4	4	< 5 (4 - 7)	0	
2023	Drinking water	HASSELT-ZEPPEREN	K-40	Bq/l	4	0		4	0.127 (0.08 - 0.24)
2023	Drinking water	HASSELT-ZEPPEREN	R-Beta	Bq/l	4	2	< 0.05 (0.04 - 0.06)	2	0.05 (0.05 - 0.05)
2023	Drinking water	HASSELT-ZEPPEREN	Rn-222	Bq/l	4	0		4	1.758 (1.12 - 2.3)
2023	Drinking water	HASSELT-ZEPPEREN	T-Alfa	Bq/l	4	4	< 0.013 (0.01 - 0.016)	0	
2023	Drinking water	HASSELT-ZEPPEREN	T-Beta	Bq/l	4	1	< 0.06	3	0.17 (0.09 - 0.29)
2023	Drinking water	LEUVEN	H-3	Bq/l	4	4	< 5 (4 - 7)	0	
2023	Drinking water	LEUVEN	K-40	Bq/l	4	0		4	0.08025 (0.076 - 0.09)
2023	Drinking water	LEUVEN	R-Beta	Bq/l	4	3	< 0.05333 (0.04 - 0.08)	1	0.04
2023	Drinking water	LEUVEN	Rn-222	Bq/l	4	1	< 0.3	3	2.467 (1.8 - 3.8)
2023	Drinking water	LEUVEN	T-Alfa	Bq/l	4	0		4	0.03475 (0.025 - 0.04)
2023	Drinking water	LEUVEN	T-Beta	Bq/l	4	0		4	0.095 (0.06 - 0.12)
2023	Drinking water	LIBRAMONT-CHEVIGNY	H-3	Bq/l	4	4	< 3.2 (2.842 - 3.556)	0	
2023	Drinking water	LIBRAMONT-CHEVIGNY	K-40	Bq/l	4	0		4	0.01926 (0.01428 - 0.02734)
2023	Drinking water	LIBRAMONT-CHEVIGNY	R-Beta	Bq/l	4	2	< 0.04402 (0.04149 - 0.04656)	2	0.04814 (0.04427 - 0.052)
2023	Drinking water	LIBRAMONT-CHEVIGNY	Ra-226	Bq/l	4	3	< 0.004249 (0.004039 - 0.004484)	1	0.009282
2023	Drinking water	LIBRAMONT-CHEVIGNY	Rn-222	Bq/l	4	0		4	18.93 (2.052 - 27.5)
2023	Drinking water	LIBRAMONT-CHEVIGNY	T-Alfa	Bq/l	4	3	< 0.01519 (0.01377 - 0.01662)	1	0.02907
2023	Drinking water	LIBRAMONT-CHEVIGNY	T-Beta	Bq/l	4	0		4	0.06401 (0.05464 - 0.07934)
2023	Drinking water	LIEGE	H-3	Bq/l	4	4	< 3.003 (2.934 - 3.113)	0	
2023	Drinking water	LIEGE	K-40	Bq/l	4	0		4	0.07749 (0.07583 - 0.07876)
2023	Drinking water	LIEGE	R-Beta	Bq/l	4	4	< 0.0425 (0.03847 - 0.04478)	0	
2023	Drinking water	LIEGE	Ra-226	Bq/l	4	2	< 0.007297 (0.007224 - 0.007369)	2	0.00601 (0.005476 - 0.006544)
2023	Drinking water	LIEGE	Rn-222	Bq/l	4	1	< 0.5459	3	0.7569 (0.6445 - 0.9788)
2023	Drinking water	LIEGE	T-Alfa	Bq/l	4	1	< 0.03602	3	0.03764 (0.034 - 0.04131)
2023	Drinking water	LIEGE	T-Beta	Bq/l	4	0		4	0.08432 (0.06794 - 0.09691)
2023	Drinking water	MOL	H-3	Bq/l	4	4	< 5 (4 - 7)	0	
2023	Drinking water	MOL	K-40	Bq/l	4	0		4	0.1332 (0.126 - 0.14)
2023	Drinking water	MOL	R-Beta	Bq/l	4	4	< 0.04 (0.04 - 0.04)	0	
2023	Drinking water	MOL	Rn-222	Bq/l	4	1	< 1.1	3	1.3 (0.89 - 1.64)
2023	Drinking water	MOL	T-Alfa	Bq/l	4	3	< 0.012 (0.01 - 0.013)	1	0.018
2023	Drinking water	MOL	T-Beta	Bq/l	4	0		4	0.1475 (0.13 - 0.16)
2023	Drinking water	NAMUR	H-3	Bq/l	4	3	< 2.979 (2.846 - 3.21)	1	41.69
2023	Drinking water	NAMUR	K-40	Bq/l	4	0		4	0.07173 (0.0534 - 0.08225)
2023	Drinking water	NAMUR	R-Beta	Bq/l	4	4	< 0.04082 (0.03947 - 0.04393)	0	

2023	Drinking water	NAMUR	Ra-226	Bq/l	4	3	< 0.005708 (0.003678 - 0.007783)	1	0.004251
2023	Drinking water	NAMUR	Rn-222	Bq/l	4	3	< 0.5645 (0.5435 - 0.6007)	1	0.6933
2023	Drinking water	NAMUR	T-Alfa	Bq/l	4	4	< 0.02384 (0.01877 - 0.02727)	0	
2023	Drinking water	NAMUR	T-Beta	Bq/l	4	0		4	0.08437 (0.06857 - 0.09872)
2023	Drinking water	POPERINGE	H-3	Bq/l	4	4	< 6.25 (4 - 10)	0	
2023	Drinking water	POPERINGE	K-40	Bq/l	4	0		4	0.06225 (0.017 - 0.134)
2023	Drinking water	POPERINGE	R-Beta	Bq/l	4	2	< 0.055 (0.05 - 0.06)	2	0.09 (0.07 - 0.11)
2023	Drinking water	POPERINGE	Rn-222	Bq/l	4	3	< 1.033 (1 - 1.1)	1	0.5
2023	Drinking water	POPERINGE	T-Alfa	Bq/l	4	4	< 0.01275 (0.011 - 0.015)	0	
2023	Drinking water	POPERINGE	T-Beta	Bq/l	4	2	< 0.055 (0.05 - 0.06)	2	0.175 (0.15 - 0.2)
2023	Drinking water	RENINGELST	H-3	Bq/l	4	4	< 6.25 (4 - 10)	0	
2023	Drinking water	RENINGELST	K-40	Bq/l	4	0		4	0.2202 (0.173 - 0.259)
2023	Drinking water	RENINGELST	R-Beta	Bq/l	4	2	< 0.06 (0.06 - 0.06)	2	0.09 (0.09 - 0.09)
2023	Drinking water	RENINGELST	Ra-226	Bq/l	2	0		2	0.109 (0.093 - 0.125)
2023	Drinking water	RENINGELST	Rn-222	Bq/l	4	2	< 1 (1 - 1)	2	2.44 (1.48 - 3.4)
2023	Drinking water	RENINGELST	T-Alfa	Bq/l	4	0		4	0.1182 (0.093 - 0.17)
2023	Drinking water	RENINGELST	T-Beta	Bq/l	4	0		4	0.29 (0.26 - 0.31)
2023	Drinking water	WAVRE	H-3	Bq/l	4	4	< 3.011 (2.845 - 3.21)	0	
2023	Drinking water	WAVRE	K-40	Bq/l	4	0		4	0.1544 (0.1396 - 0.1643)
2023	Drinking water	WAVRE	R-Beta	Bq/l	4	3	< 0.0433 (0.04115 - 0.04598)	1	0.04874
2023	Drinking water	WAVRE	Ra-226	Bq/l	4	0		4	0.01071 (0.009786 - 0.01161)
2023	Drinking water	WAVRE	Rn-222	Bq/l	4	0		4	16.33 (13.02 - 18.49)
2023	Drinking water	WAVRE	T-Alfa	Bq/l	4	0		4	0.04974 (0.03153 - 0.06427)
2023	Drinking water	WAVRE	T-Beta	Bq/l	4	0		4	0.1838 (0.1437 - 0.2091)
2023	Milk cow	BEERSEL	Cs-137	Bq/l	51	51	< 0.1738 (0.012 - 0.29)	0	
2023	Milk cow	BEERSEL	I-131	Bq/l	51	51	< 1.437 (0.0015 - 7)	0	
2023	Milk cow	BEERSEL	K-40	Bq/l	51	0		51	50.71 (44 - 61)
2023	Milk cow	BEERSEL	Sr-90	Bq/l	13	13	< 0.04462 (0.02 - 0.07)	0	
2023	Milk cow	BEVEREN	Cs-137	Bq/l	51	51	< 0.2057 (0.09 - 0.3)	0	
2023	Milk cow	BEVEREN	I-131	Bq/l	51	51	< 0.2531 (0.11 - 0.4)	0	
2023	Milk cow	BEVEREN	K-40	Bq/l	51	0		51	46.31 (41 - 53)
2023	Milk cow	BEVEREN	Sr-90	Bq/l	13	13	< 0.04615 (0.02 - 0.07)	0	
2023	Milk cow	CHOOZ	Cs-137	Bq/l	51	51	< 0.7334 (0.3854 - 2.469)	0	
2023	Milk cow	CHOOZ	I-131	Bq/l	51	51	< 1.933 (0.8889 - 4.835)	0	
2023	Milk cow	CHOOZ	K-40	Bq/l	51	1	< 56.48	50	47.23 (39.8 - 58.46)
2023	Milk cow	CHOOZ	Sr-90	Bq/l	12	12	< 0.03557 (0.02389 - 0.09845)	0	
2023	Milk cow	FLEURUS	Cs-137	Bq/l	51	51	< 0.7034 (0.4905 - 0.8075)	0	
2023	Milk cow	FLEURUS	I-131	Bq/l	51	51	< 1.933 (0.8603 - 4.894)	0	
2023	Milk cow	FLEURUS	K-40	Bq/l	51	0		51	46.17 (20.58 - 53.57)
2023	Milk cow	FLEURUS	Sr-90	Bq/l	12	12	< 0.02792 (0.02206 - 0.03696)	0	
2023	Milk cow	MOL-DESSEL	Cs-137	Bq/l	52	52	< 0.2028 (0.016 - 0.29)	0	
2023	Milk cow	MOL-DESSEL	I-131	Bq/l	52	52	< 0.2345 (0.0018 - 0.4)	0	
2023	Milk cow	MOL-DESSEL	K-40	Bq/l	52	0		52	46.98 (36 - 52)
2023	Milk cow	MOL-DESSEL	Sr-90	Bq/l	13	13	< 0.04538 (0.02 - 0.07)	0	
2023	Milk cow	TIHANGE	Cs-137	Bq/l	51	51	< 0.6988 (0.3615 - 0.8207)	0	
2023	Milk cow	TIHANGE	I-131	Bq/l	51	51	< 1.969 (0.9481 - 4.831)	0	
2023	Milk cow	TIHANGE	K-40	Bq/l	51	1	< 12.27	50	48.71 (30.35 - 56.44)
2023	Milk cow	TIHANGE	Sr-90	Bq/l	12	12	< 0.02957 (0.02297 - 0.03679)	0	
2023	Fish (from fresh and sea water)	DROGENBOS	Ag-110m	Bq/kg	13	13	< 0.9923 (0.5 - 2.1)	0	
2023	Fish (from fresh and sea water)	DROGENBOS	Be-7	Bq/kg	13	13	< 10.54 (6 - 20)	0	
2023	Fish (from fresh and sea water)	DROGENBOS	Co-57	Bq/kg	13	13	< 0.6585 (0.28 - 1.2)	0	
2023	Fish (from fresh and sea water)	DROGENBOS	Co-58	Bq/kg	13	13	< 1.2 (0.7 - 2.2)	0	
2023	Fish (from fresh and sea water)	DROGENBOS	Co-60	Bq/kg	13	13	< 0.9231 (0.5 - 1.7)	0	
2023	Fish (from fresh and sea water)	DROGENBOS	Cs-134	Bq/kg	13	13	< 0.8154 (0.4 - 1.5)	0	
2023	Fish (from fresh and sea water)	DROGENBOS	Cs-137	Bq/kg	13	10	< 1.06 (0.6 - 2.1)	3	0.7367 (0.44 - 0.97)
2023	Fish (from fresh and sea water)	DROGENBOS	K-40	Bq/kg	13	0		13	423.1 (320 - 520)
2023	Fish (from fresh and sea water)	DROGENBOS	Mn-54	Bq/kg	13	13	< 0.9077 (0.5 - 1.6)	0	
2023	Fish (from fresh and sea water)	DROGENBOS	Ra-226	Bq/kg	13	13	< 1.685 (0.9 - 3)	0	
2023	Fish (from fresh and sea water)	DROGENBOS	Ra-228	Bq/kg	13	12	< 3.617 (1.8 - 7)	1	8
2023	Fish (from fresh and sea water)	DROGENBOS	Sr-90	Bq/kg	4	4	< 2.425 (1.5 - 3)	0	

2023	Fish (from fresh and sea water)	DROGENBOS	Th-228	Bq/kg	13	12	< 1.4 (0.7 - 2.7)	1	14
2023	Fish (from fresh and sea water)	DROGENBOS	Zn-65	Bq/kg	13	13	< 2.431 (1.4 - 4)	0	
2023	Fish (from fresh and sea water)	FLEURUS	Ag-110m	Bq/kg	13	13	< 2.157 (1.889 - 2.493)	0	
2023	Fish (from fresh and sea water)	FLEURUS	Be-7	Bq/kg	13	13	< 26.59 (22.79 - 30.12)	0	
2023	Fish (from fresh and sea water)	FLEURUS	Co-57	Bq/kg	13	13	< 0.9458 (0.8229 - 1.058)	0	
2023	Fish (from fresh and sea water)	FLEURUS	Co-58	Bq/kg	13	13	< 2.954 (2.479 - 3.493)	0	
2023	Fish (from fresh and sea water)	FLEURUS	Co-60	Bq/kg	13	13	< 2.118 (1.439 - 2.51)	0	
2023	Fish (from fresh and sea water)	FLEURUS	Cs-134	Bq/kg	13	13	< 1.675 (1.461 - 1.852)	0	
2023	Fish (from fresh and sea water)	FLEURUS	Cs-137	Bq/kg	13	11	< 1.654 (1.203 - 2.121)	2	1.354 (1.236 - 1.472)
2023	Fish (from fresh and sea water)	FLEURUS	K-40	Bq/kg	13	0		13	424.6 (347.1 - 543.4)
2023	Fish (from fresh and sea water)	FLEURUS	Mn-54	Bq/kg	13	13	< 1.962 (1.439 - 2.299)	0	
2023	Fish (from fresh and sea water)	FLEURUS	Ra-226	Bq/kg	13	13	< 3.123 (2.293 - 3.656)	0	
2023	Fish (from fresh and sea water)	FLEURUS	Ra-228	Bq/kg	13	13	< 7.403 (5.623 - 8.495)	0	
2023	Fish (from fresh and sea water)	FLEURUS	Sr-90	Bq/kg	4	4	< 0.08111 (0.05342 - 0.1115)	0	
2023	Fish (from fresh and sea water)	FLEURUS	Th-228	Bq/kg	13	13	< 2.476 (1.97 - 2.861)	0	
2023	Fish (from fresh and sea water)	FLEURUS	Zn-65	Bq/kg	13	13	< 4.865 (3.888 - 5.379)	0	
2023	Fish (from fresh and sea water)	MOL	Ag-110m	Bq/kg	13	13	< 0.7077 (0.4 - 1.5)	0	
2023	Fish (from fresh and sea water)	MOL	Be-7	Bq/kg	13	13	< 8.538 (5 - 16)	0	
2023	Fish (from fresh and sea water)	MOL	Co-57	Bq/kg	13	13	< 0.42 (0.16 - 0.9)	0	
2023	Fish (from fresh and sea water)	MOL	Co-58	Bq/kg	13	13	< 0.9769 (0.6 - 1.7)	0	
2023	Fish (from fresh and sea water)	MOL	Co-60	Bq/kg	13	13	< 0.7615 (0.5 - 1.2)	0	
2023	Fish (from fresh and sea water)	MOL	Cs-134	Bq/kg	13	13	< 0.6308 (0.4 - 1.1)	0	
2023	Fish (from fresh and sea water)	MOL	Cs-137	Bq/kg	13	12	< 0.7233 (0.29 - 1.4)	1	0.39
2023	Fish (from fresh and sea water)	MOL	K-40	Bq/kg	13	0		13	414.2 (215 - 510)
2023	Fish (from fresh and sea water)	MOL	Mn-54	Bq/kg	13	13	< 0.7385 (0.4 - 1.3)	0	
2023	Fish (from fresh and sea water)	MOL	Ra-226	Bq/kg	13	13	< 1.254 (0.6 - 2.3)	0	
2023	Fish (from fresh and sea water)	MOL	Ra-228	Bq/kg	13	13	< 2.9 (1.8 - 5)	0	
2023	Fish (from fresh and sea water)	MOL	Sr-90	Bq/kg	4	4	< 2.325 (1.6 - 3)	0	
2023	Fish (from fresh and sea water)	MOL	Th-228	Bq/kg	13	13	< 1.008 (0.5 - 2)	0	
2023	Fish (from fresh and sea water)	MOL	Zn-65	Bq/kg	13	13	< 1.977 (1.2 - 3)	0	
2023	Fruits & vegetables	DROGENBOS	Ag-110m	Bq/kg	13	13	< 1.038 (0.7 - 1.3)	0	
2023	Fruits & vegetables	DROGENBOS	Be-7	Bq/kg	13	11	< 11.09 (7 - 15)	2	16 (14 - 18)
2023	Fruits & vegetables	DROGENBOS	Co-57	Bq/kg	13	13	< 0.7385 (0.3 - 1.3)	0	
2023	Fruits & vegetables	DROGENBOS	Co-58	Bq/kg	13	13	< 1.362 (0.9 - 1.9)	0	
2023	Fruits & vegetables	DROGENBOS	Co-60	Bq/kg	13	13	< 1.138 (0.7 - 1.5)	0	
2023	Fruits & vegetables	DROGENBOS	Cs-134	Bq/kg	13	13	< 0.9615 (0.7 - 1.3)	0	
2023	Fruits & vegetables	DROGENBOS	Cs-137	Bq/kg	13	13	< 1.062 (0.7 - 1.3)	0	
2023	Fruits & vegetables	DROGENBOS	K-40	Bq/kg	13	0		13	946.2 (250 - 2000)
2023	Fruits & vegetables	DROGENBOS	Mn-54	Bq/kg	13	13	< 1.085 (0.7 - 1.4)	0	
2023	Fruits & vegetables	DROGENBOS	Ra-226	Bq/kg	13	13	< 1.977 (1.3 - 3)	0	
2023	Fruits & vegetables	DROGENBOS	Ra-228	Bq/kg	13	13	< 4.146 (2.9 - 5)	0	
2023	Fruits & vegetables	DROGENBOS	Sr-90	Bq/kg	4	4	< 5.225 (2.9 - 9)	0	
2023	Fruits & vegetables	DROGENBOS	Th-228	Bq/kg	13	13	< 1.692 (0.8 - 2.4)	0	
2023	Fruits & vegetables	DROGENBOS	Zn-65	Bq/kg	13	13	< 3.023 (1.7 - 4)	0	
2023	Fruits & vegetables	FLEURUS	Ag-110m	Bq/kg	13	13	< 3.644 (0.6961 - 6.42)	0	
2023	Fruits & vegetables	FLEURUS	Be-7	Bq/kg	13	13	< 37.64 (7.484 - 67.21)	0	
2023	Fruits & vegetables	FLEURUS	Co-57	Bq/kg	13	13	< 1.544 (0.3176 - 2.733)	0	
2023	Fruits & vegetables	FLEURUS	Co-58	Bq/kg	13	13	< 4.437 (0.8086 - 7.863)	0	
2023	Fruits & vegetables	FLEURUS	Co-60	Bq/kg	13	13	< 3.559 (0.6425 - 6.341)	0	
2023	Fruits & vegetables	FLEURUS	Cs-134	Bq/kg	13	13	< 2.922 (0.5856 - 5.053)	0	
2023	Fruits & vegetables	FLEURUS	Cs-137	Bq/kg	13	12	< 2.775 (0.546 - 5.028)	1	2.813
2023	Fruits & vegetables	FLEURUS	K-40	Bq/kg	13	0		13	791.2 (80.69 - 1232)
2023	Fruits & vegetables	FLEURUS	Mn-54	Bq/kg	13	13	< 3.208 (0.574 - 5.792)	0	
2023	Fruits & vegetables	FLEURUS	Ra-226	Bq/kg	13	13	< 5.553 (1.121 - 9.456)	0	
2023	Fruits & vegetables	FLEURUS	Ra-228	Bq/kg	13	13	< 12.36 (2.171 - 21.16)	0	
2023	Fruits & vegetables	FLEURUS	Sr-90	Bq/kg	4	1	< 0.07883	3	0.225 (0.1626 - 0.3229)
2023	Fruits & vegetables	FLEURUS	Th-228	Bq/kg	13	13	< 4.216 (0.9371 - 7.809)	0	
2023	Fruits & vegetables	FLEURUS	Zn-65	Bq/kg	13	13	< 7.962 (1.387 - 14.24)	0	
2023	Fruits & vegetables	MOL	Ag-110m	Bq/kg	13	13	< 0.9462 (0.6 - 1.5)	0	
2023	Fruits & vegetables	MOL	Be-7	Bq/kg	13	13	< 11.38 (7 - 17)	0	

2023	Fruits & vegetables	MOL	Co-57	Bq/kg	13	13	< 0.5538 (0.3 - 1)	0	
2023	Fruits & vegetables	MOL	Co-58	Bq/kg	13	13	< 1.346 (0.7 - 1.9)	0	
2023	Fruits & vegetables	MOL	Co-60	Bq/kg	13	13	< 1.038 (0.5 - 1.4)	0	
2023	Fruits & vegetables	MOL	Cs-134	Bq/kg	13	13	< 0.8538 (0.5 - 1.3)	0	
2023	Fruits & vegetables	MOL	Cs-137	Bq/kg	13	13	< 0.9615 (0.6 - 1.6)	0	
2023	Fruits & vegetables	MOL	K-40	Bq/kg	13	0		13	720.1 (181 - 1080)
2023	Fruits & vegetables	MOL	Mn-54	Bq/kg	13	13	< 0.9769 (0.5 - 1.4)	0	
2023	Fruits & vegetables	MOL	Ra-226	Bq/kg	13	11	< 1.6 (1.1 - 2.6)	2	3.15 (3 - 3.3)
2023	Fruits & vegetables	MOL	Ra-228	Bq/kg	13	13	< 3.985 (2.3 - 6)	0	
2023	Fruits & vegetables	MOL	Sr-90	Bq/kg	4	4	< 3.825 (2.3 - 5)	0	
2023	Fruits & vegetables	MOL	Th-228	Bq/kg	13	13	< 1.315 (0.8 - 2.2)	0	
2023	Fruits & vegetables	MOL	Zn-65	Bq/kg	13	13	< 2.769 (1.3 - 4)	0	
2023	Meat	DROGENBOS	Ag-110m	Bq/kg	13	13	< 0.9769 (0.5 - 2.4)	0	
2023	Meat	DROGENBOS	Be-7	Bq/kg	13	13	< 10.69 (5 - 25)	0	
2023	Meat	DROGENBOS	Co-57	Bq/kg	13	13	< 0.6115 (0.2 - 1.9)	0	
2023	Meat	DROGENBOS	Co-58	Bq/kg	13	13	< 1.223 (0.7 - 3)	0	
2023	Meat	DROGENBOS	Co-60	Bq/kg	13	13	< 0.9769 (0.5 - 2.2)	0	
2023	Meat	DROGENBOS	Cs-134	Bq/kg	13	13	< 0.8154 (0.4 - 2.1)	0	
2023	Meat	DROGENBOS	Cs-137	Bq/kg	13	12	< 0.9583 (0.4 - 2.4)	1	26
2023	Meat	DROGENBOS	K-40	Bq/kg	13	0		13	425.4 (310 - 480)
2023	Meat	DROGENBOS	Mn-54	Bq/kg	13	13	< 0.9385 (0.6 - 2.2)	0	
2023	Meat	DROGENBOS	Ra-226	Bq/kg	13	13	< 1.669 (0.8 - 4)	0	
2023	Meat	DROGENBOS	Ra-228	Bq/kg	13	13	< 3.869 (2.1 - 10)	0	
2023	Meat	DROGENBOS	Sr-90	Bq/kg	4	4	< 2.9 (1.6 - 4)	0	
2023	Meat	DROGENBOS	Th-228	Bq/kg	13	13	< 1.415 (0.6 - 4)	0	
2023	Meat	DROGENBOS	Zn-65	Bq/kg	13	13	< 2.738 (1.4 - 7)	0	
2023	Meat	FLEURUS	Ag-110m	Bq/kg	13	13	< 1.988 (0.9873 - 2.597)	0	
2023	Meat	FLEURUS	Be-7	Bq/kg	13	13	< 22.32 (11.41 - 26.44)	0	
2023	Meat	FLEURUS	Co-57	Bq/kg	13	13	< 0.8852 (0.5688 - 1.12)	0	
2023	Meat	FLEURUS	Co-58	Bq/kg	13	13	< 2.644 (1.178 - 3.406)	0	
2023	Meat	FLEURUS	Co-60	Bq/kg	13	13	< 2.033 (0.9234 - 2.605)	0	
2023	Meat	FLEURUS	Cs-134	Bq/kg	13	13	< 1.559 (0.7685 - 2.04)	0	
2023	Meat	FLEURUS	Cs-137	Bq/kg	13	10	< 1.523 (0.7428 - 2.196)	3	1.463 (1.192 - 1.802)
2023	Meat	FLEURUS	K-40	Bq/kg	13	0		13	396.6 (166.7 - 497.5)
2023	Meat	FLEURUS	Mn-54	Bq/kg	13	13	< 1.821 (0.9411 - 2.447)	0	
2023	Meat	FLEURUS	Ra-226	Bq/kg	13	13	< 3.056 (1.594 - 4.368)	0	
2023	Meat	FLEURUS	Ra-228	Bq/kg	13	13	< 6.954 (3.345 - 9.275)	0	
2023	Meat	FLEURUS	Sr-90	Bq/kg	4	4	< 0.1157 (0.06298 - 0.2339)	0	
2023	Meat	FLEURUS	Th-228	Bq/kg	13	13	< 2.302 (1.41 - 2.684)	0	
2023	Meat	FLEURUS	Zn-65	Bq/kg	13	13	< 4.436 (2.053 - 5.672)	0	
2023	Meat	MOL	Ag-110m	Bq/kg	13	13	< 0.8231 (0.5 - 2.1)	0	
2023	Meat	MOL	Be-7	Bq/kg	13	13	< 9.462 (6 - 25)	0	
2023	Meat	MOL	Co-57	Bq/kg	13	13	< 0.5269 (0.25 - 1.4)	0	
2023	Meat	MOL	Co-58	Bq/kg	13	13	< 1.108 (0.7 - 3)	0	
2023	Meat	MOL	Co-60	Bq/kg	13	13	< 0.8231 (0.5 - 2.2)	0	
2023	Meat	MOL	Cs-134	Bq/kg	13	13	< 0.7077 (0.5 - 1.7)	0	
2023	Meat	MOL	Cs-137	Bq/kg	13	12	< 0.8083 (0.4 - 2.1)	1	2
2023	Meat	MOL	K-40	Bq/kg	13	0		13	441.5 (330 - 490)
2023	Meat	MOL	Mn-54	Bq/kg	13	13	< 0.8077 (0.5 - 2.2)	0	
2023	Meat	MOL	Ra-226	Bq/kg	13	11	< 1.264 (0.9 - 1.7)	2	2.1 (2 - 2.2)
2023	Meat	MOL	Ra-228	Bq/kg	13	12	< 3.233 (2.1 - 9)	1	1.4
2023	Meat	MOL	Sr-90	Bq/kg	4	4	< 2.475 (1.8 - 2.9)	0	
2023	Meat	MOL	Th-228	Bq/kg	13	12	< 1.05 (0.5 - 1.9)	1	1
2023	Meat	MOL	Zn-65	Bq/kg	13	13	< 2.215 (1.4 - 6)	0	
2023	Mixed diet	DROGENBOS	Ag-110m	BQ/D	13	13	< 0.4311 (0.2449 - 1.145)	0	
2023	Mixed diet	DROGENBOS	Ag-110m	Bq/kg	13	13	< 0.7231 (0.4 - 2)	0	
2023	Mixed diet	DROGENBOS	Ag-110m	Bq/meal	13	13	< 0.1437 (0.08165 - 0.3817)	0	
2023	Mixed diet	DROGENBOS	Be-7	BQ/D	13	13	< 5.08 (2.469 - 14.31)	0	
2023	Mixed diet	DROGENBOS	Be-7	Bq/kg	13	13	< 8.538 (4 - 25)	0	
2023	Mixed diet	DROGENBOS	Be-7	Bq/meal	13	13	< 1.693 (0.823 - 4.771)	0	

2023	Mixed diet	DROGENBOS	C-14	Bq/g of stable carbon	4	0		4	0.2275 (0.203 - 0.259)
2023	Mixed diet	DROGENBOS	Co-57	BQ/D	13	13	< 0.2746 (0.1111 - 0.7443)	0	
2023	Mixed diet	DROGENBOS	Co-57	Bq/kg	13	13	< 0.4631 (0.18 - 1.3)	0	
2023	Mixed diet	DROGENBOS	Co-57	Bq/meal	13	13	< 0.09154 (0.03704 - 0.2481)	0	
2023	Mixed diet	DROGENBOS	Co-58	BQ/D	13	13	< 0.5687 (0.3062 - 1.546)	0	
2023	Mixed diet	DROGENBOS	Co-58	Bq/kg	13	13	< 0.9538 (0.5 - 2.7)	0	
2023	Mixed diet	DROGENBOS	Co-58	Bq/meal	13	13	< 0.1896 (0.1021 - 0.5153)	0	
2023	Mixed diet	DROGENBOS	Co-60	BQ/D	13	13	< 0.4515 (0.2449 - 1.111)	0	
2023	Mixed diet	DROGENBOS	Co-60	Bq/kg	13	13	< 0.7538 (0.4 - 1.9)	0	
2023	Mixed diet	DROGENBOS	Co-60	Bq/meal	13	13	< 0.1505 (0.08165 - 0.3704)	0	
2023	Mixed diet	DROGENBOS	Cs-134	BQ/D	13	13	< 0.3947 (0.2402 - 1.088)	0	
2023	Mixed diet	DROGENBOS	Cs-134	Bq/kg	13	13	< 0.6615 (0.4 - 1.9)	0	
2023	Mixed diet	DROGENBOS	Cs-134	Bq/meal	13	13	< 0.1316 (0.08006 - 0.3626)	0	
2023	Mixed diet	DROGENBOS	Cs-137	BQ/D	13	13	< 0.441 (0.2449 - 1.145)	0	
2023	Mixed diet	DROGENBOS	Cs-137	Bq/kg	13	13	< 0.7385 (0.4 - 2)	0	
2023	Mixed diet	DROGENBOS	Cs-137	Bq/meal	13	13	< 0.147 (0.08165 - 0.3817)	0	
2023	Mixed diet	DROGENBOS	K-40	BQ/D	13	0		13	133.7 (64.85 - 167.9)
2023	Mixed diet	DROGENBOS	K-40	Bq/kg	13	0		13	221.6 (119 - 280)
2023	Mixed diet	DROGENBOS	K-40	Bq/meal	13	0		13	44.57 (21.62 - 55.97)
2023	Mixed diet	DROGENBOS	Mn-54	BQ/D	13	13	< 0.4458 (0.2449 - 1.202)	0	
2023	Mixed diet	DROGENBOS	Mn-54	Bq/kg	13	13	< 0.7462 (0.4 - 2.1)	0	
2023	Mixed diet	DROGENBOS	Mn-54	Bq/meal	13	13	< 0.1486 (0.08165 - 0.4008)	0	
2023	Mixed diet	DROGENBOS	Ra-226	BQ/D	13	13	< 0.8267 (0.4899 - 2.29)	0	
2023	Mixed diet	DROGENBOS	Ra-226	Bq/kg	13	13	< 1.385 (0.8 - 4)	0	
2023	Mixed diet	DROGENBOS	Ra-226	Bq/meal	13	13	< 0.2756 (0.1633 - 0.7633)	0	
2023	Mixed diet	DROGENBOS	Ra-228	BQ/D	13	13	< 1.741 (0.9798 - 4.58)	0	
2023	Mixed diet	DROGENBOS	Ra-228	Bq/kg	13	13	< 2.915 (1.6 - 8)	0	
2023	Mixed diet	DROGENBOS	Ra-228	Bq/meal	13	13	< 0.5803 (0.3266 - 1.527)	0	
2023	Mixed diet	DROGENBOS	Sr-90	BQ/D	4	4	< 0.04523 (0.0327 - 0.05544)	0	
2023	Mixed diet	DROGENBOS	Sr-90	Bq/kg	4	4	< 0.08 (0.06 - 0.1)	0	
2023	Mixed diet	DROGENBOS	Sr-90	Bq/meal	4	4	< 0.01508 (0.0109 - 0.01848)	0	
2023	Mixed diet	DROGENBOS	Th-228	BQ/D	13	13	< 0.6976 (0.3086 - 2.29)	0	
2023	Mixed diet	DROGENBOS	Th-228	Bq/kg	13	13	< 1.177 (0.5 - 4)	0	
2023	Mixed diet	DROGENBOS	Th-228	Bq/meal	13	13	< 0.2325 (0.1029 - 0.7633)	0	
2023	Mixed diet	DROGENBOS	Zn-65	BQ/D	13	13	< 1.178 (0.6653 - 2.924)	0	
2023	Mixed diet	DROGENBOS	Zn-65	Bq/kg	13	13	< 1.969 (1.1 - 5)	0	
2023	Mixed diet	DROGENBOS	Zn-65	Bq/meal	13	13	< 0.3926 (0.2218 - 0.9746)	0	
2023	Mixed diet	FLEURUS	Ag-110m	BQ/D	13	13	< 1.747 (1.043 - 2.907)	0	
2023	Mixed diet	FLEURUS	Ag-110m	Bq/kg	13	13	< 2.758 (1.667 - 7.04)	0	
2023	Mixed diet	FLEURUS	Ag-110m	Bq/meal	13	13	< 0.5822 (0.3478 - 0.9689)	0	
2023	Mixed diet	FLEURUS	Be-7	BQ/D	13	13	< 22.89 (11.63 - 39.02)	0	
2023	Mixed diet	FLEURUS	Be-7	Bq/kg	13	13	< 34.96 (19.54 - 82.66)	0	
2023	Mixed diet	FLEURUS	Be-7	Bq/meal	13	13	< 7.631 (3.877 - 13.01)	0	
2023	Mixed diet	FLEURUS	C-14	Bq/g of stable carbon	4	0		4	0.3615 (0.2569 - 0.4436)
2023	Mixed diet	FLEURUS	Co-57	BQ/D	13	13	< 0.7738 (0.4771 - 1.157)	0	
2023	Mixed diet	FLEURUS	Co-57	Bq/kg	13	13	< 1.201 (0.8016 - 2.733)	0	
2023	Mixed diet	FLEURUS	Co-57	Bq/meal	13	13	< 0.2579 (0.159 - 0.3856)	0	
2023	Mixed diet	FLEURUS	Co-58	BQ/D	13	13	< 2.413 (1.286 - 3.643)	0	
2023	Mixed diet	FLEURUS	Co-58	Bq/kg	13	13	< 3.761 (2.228 - 9.733)	0	
2023	Mixed diet	FLEURUS	Co-58	Bq/meal	13	13	< 0.8045 (0.4288 - 1.214)	0	
2023	Mixed diet	FLEURUS	Co-60	BQ/D	13	13	< 1.574 (0.8527 - 2.813)	0	
2023	Mixed diet	FLEURUS	Co-60	Bq/kg	13	13	< 2.509 (1.362 - 6.642)	0	
2023	Mixed diet	FLEURUS	Co-60	Bq/meal	13	13	< 0.5245 (0.2842 - 0.9377)	0	
2023	Mixed diet	FLEURUS	Cs-134	BQ/D	13	13	< 1.39 (0.804 - 2.35)	0	
2023	Mixed diet	FLEURUS	Cs-134	Bq/kg	13	13	< 2.204 (1.285 - 5.768)	0	
2023	Mixed diet	FLEURUS	Cs-134	Bq/meal	13	13	< 0.4633 (0.268 - 0.7832)	0	
2023	Mixed diet	FLEURUS	Cs-137	BQ/D	13	10	< 1.405 (0.6757 - 2.426)	3	0.9066 (0.7125 - 1.182)
2023	Mixed diet	FLEURUS	Cs-137	Bq/kg	13	10	< 2.25 (1.174 - 5.367)	3	1.418 (1.189 - 1.714)
2023	Mixed diet	FLEURUS	Cs-137	Bq/meal	13	10	< 0.4682 (0.2252 - 0.8085)	3	0.3022 (0.2375 - 0.394)
2023	Mixed diet	FLEURUS	I-131	BQ/D	13	13	< 834.7 (31.79 - 3981)	0	

2023	Mixed diet	FLEURUS	I-131	Bq/kg	13	13	< 1027 (53.41 - 4912)	0	
2023	Mixed diet	FLEURUS	I-131	Bq/meal	13	13	< 278.2 (10.6 - 1327)	0	
2023	Mixed diet	FLEURUS	K-40	BQ/D	13	0		13	164.6 (106.1 - 293.2)
2023	Mixed diet	FLEURUS	K-40	Bq/kg	13	0		13	250.7 (157.1 - 410.4)
2023	Mixed diet	FLEURUS	K-40	Bq/meal	13	0		13	54.87 (35.38 - 97.75)
2023	Mixed diet	FLEURUS	Mn-54	BQ/D	13	13	< 1.5 (0.8588 - 2.386)	0	
2023	Mixed diet	FLEURUS	Mn-54	Bq/kg	13	13	< 2.368 (1.372 - 5.979)	0	
2023	Mixed diet	FLEURUS	Mn-54	Bq/meal	13	13	< 0.5001 (0.2863 - 0.7954)	0	
2023	Mixed diet	FLEURUS	Nb-95	BQ/D	13	13	< 5.011 (2.286 - 9.226)	0	
2023	Mixed diet	FLEURUS	Nb-95	Bq/kg	13	13	< 7.606 (3.964 - 19.15)	0	
2023	Mixed diet	FLEURUS	Nb-95	Bq/meal	13	13	< 1.67 (0.7618 - 3.075)	0	
2023	Mixed diet	FLEURUS	Ra-226	BQ/D	13	13	< 2.577 (1.261 - 4.402)	0	
2023	Mixed diet	FLEURUS	Ra-226	Bq/kg	13	13	< 4.096 (2.014 - 11.03)	0	
2023	Mixed diet	FLEURUS	Ra-226	Bq/meal	13	13	< 0.8591 (0.4203 - 1.467)	0	
2023	Mixed diet	FLEURUS	Ra-228	BQ/D	13	13	< 5.555 (3.034 - 8.949)	0	
2023	Mixed diet	FLEURUS	Ra-228	Bq/kg	13	13	< 8.813 (4.848 - 23.05)	0	
2023	Mixed diet	FLEURUS	Ra-228	Bq/meal	13	13	< 1.85 (1.011 - 2.983)	0	
2023	Mixed diet	FLEURUS	Sr-90	BQ/D	4	4	< 0.06888 (0.03756 - 0.09369)	0	
2023	Mixed diet	FLEURUS	Sr-90	Bq/kg	4	4	< 0.1006 (0.05896 - 0.1251)	0	
2023	Mixed diet	FLEURUS	Sr-90	Bq/meal	4	4	< 0.02296 (0.01252 - 0.03123)	0	
2023	Mixed diet	FLEURUS	Th-228	BQ/D	13	13	< 2.053 (1.239 - 3.014)	0	
2023	Mixed diet	FLEURUS	Th-228	Bq/kg	13	13	< 3.203 (2.067 - 7.392)	0	
2023	Mixed diet	FLEURUS	Th-228	Bq/meal	13	13	< 0.6843 (0.413 - 1.005)	0	
2023	Mixed diet	FLEURUS	Zn-65	BQ/D	13	13	< 3.67 (2.074 - 5.591)	0	
2023	Mixed diet	FLEURUS	Zn-65	Bq/kg	13	13	< 5.772 (3.313 - 14.47)	0	
2023	Mixed diet	FLEURUS	Zn-65	Bq/meal	13	13	< 1.223 (0.6912 - 1.864)	0	
2023	Mixed diet	MOL-TESSENDERLO-HASSEL	Ag-110m	BQ/D	13	13	< 0.3505 (0.2178 - 0.6925)	0	
2023	Mixed diet	MOL-TESSENDERLO-HASSEL	Ag-110m	Bq/kg	13	13	< 0.6231 (0.4 - 1.3)	0	
2023	Mixed diet	MOL-TESSENDERLO-HASSEL	Ag-110m	Bq/meal	13	13	< 0.1168 (0.07261 - 0.2308)	0	
2023	Mixed diet	MOL-TESSENDERLO-HASSEL	Be-7	BQ/D	13	13	< 3.559 (2.178 - 6.925)	0	
2023	Mixed diet	MOL-TESSENDERLO-HASSEL	Be-7	Bq/kg	13	13	< 6.385 (4 - 14)	0	
2023	Mixed diet	MOL-TESSENDERLO-HASSEL	Be-7	Bq/meal	13	13	< 1.186 (0.7261 - 2.308)	0	
2023	Mixed diet	MOL-TESSENDERLO-HASSEL	C-14	Bq/g of stable carbon	4	0		4	0.2082 (0.178 - 0.238)
2023	Mixed diet	MOL-TESSENDERLO-HASSEL	Co-57	BQ/D	13	13	< 0.2088 (0.09481 - 0.4794)	0	
2023	Mixed diet	MOL-TESSENDERLO-HASSEL	Co-57	Bq/kg	13	13	< 0.3754 (0.16 - 0.9)	0	
2023	Mixed diet	MOL-TESSENDERLO-HASSEL	Co-57	Bq/meal	13	13	< 0.06959 (0.0316 - 0.1598)	0	
2023	Mixed diet	MOL-TESSENDERLO-HASSEL	Co-58	BQ/D	13	13	< 0.4223 (0.2723 - 0.7905)	0	
2023	Mixed diet	MOL-TESSENDERLO-HASSEL	Co-58	Bq/kg	13	13	< 0.7538 (0.5 - 1.6)	0	
2023	Mixed diet	MOL-TESSENDERLO-HASSEL	Co-58	Bq/meal	13	13	< 0.1408 (0.09076 - 0.2635)	0	
2023	Mixed diet	MOL-TESSENDERLO-HASSEL	Co-60	BQ/D	13	13	< 0.3642 (0.2178 - 0.6392)	0	
2023	Mixed diet	MOL-TESSENDERLO-HASSEL	Co-60	Bq/kg	13	13	< 0.6462 (0.4 - 1.2)	0	
2023	Mixed diet	MOL-TESSENDERLO-HASSEL	Co-60	Bq/meal	13	13	< 0.1214 (0.07261 - 0.2131)	0	
2023	Mixed diet	MOL-TESSENDERLO-HASSEL	Cs-134	BQ/D	13	13	< 0.2972 (0.1778 - 0.5859)	0	
2023	Mixed diet	MOL-TESSENDERLO-HASSEL	Cs-134	Bq/kg	13	13	< 0.5308 (0.3 - 1.1)	0	
2023	Mixed diet	MOL-TESSENDERLO-HASSEL	Cs-134	Bq/meal	13	13	< 0.09906 (0.05926 - 0.1953)	0	
2023	Mixed diet	MOL-TESSENDERLO-HASSEL	Cs-137	BQ/D	13	13	< 0.3546 (0.2178 - 0.7457)	0	
2023	Mixed diet	MOL-TESSENDERLO-HASSEL	Cs-137	Bq/kg	13	13	< 0.6308 (0.4 - 1.4)	0	
2023	Mixed diet	MOL-TESSENDERLO-HASSEL	Cs-137	Bq/meal	13	13	< 0.1182 (0.07261 - 0.2486)	0	
2023	Mixed diet	MOL-TESSENDERLO-HASSEL	K-40	BQ/D	13	0		13	113.3 (82.03 - 162.6)
2023	Mixed diet	MOL-TESSENDERLO-HASSEL	K-40	Bq/kg	13	0		13	199.4 (143 - 269)
2023	Mixed diet	MOL-TESSENDERLO-HASSEL	K-40	Bq/meal	13	0		13	37.77 (27.34 - 54.2)
2023	Mixed diet	MOL-TESSENDERLO-HASSEL	Mn-54	BQ/D	13	13	< 0.3467 (0.2178 - 0.5929)	0	
2023	Mixed diet	MOL-TESSENDERLO-HASSEL	Mn-54	Bq/kg	13	13	< 0.6154 (0.4 - 1.2)	0	
2023	Mixed diet	MOL-TESSENDERLO-HASSEL	Mn-54	Bq/meal	13	13	< 0.1156 (0.07261 - 0.1976)	0	
2023	Mixed diet	MOL-TESSENDERLO-HASSEL	Ra-226	BQ/D	13	13	< 0.6276 (0.4148 - 1.186)	0	
2023	Mixed diet	MOL-TESSENDERLO-HASSEL	Ra-226	Bq/kg	13	13	< 1.123 (0.7 - 2.4)	0	
2023	Mixed diet	MOL-TESSENDERLO-HASSEL	Ra-226	Bq/meal	13	13	< 0.2092 (0.1383 - 0.3953)	0	
2023	Mixed diet	MOL-TESSENDERLO-HASSEL	Ra-228	BQ/D	13	13	< 1.305 (0.8713 - 2.47)	0	
2023	Mixed diet	MOL-TESSENDERLO-HASSEL	Ra-228	Bq/kg	13	13	< 2.323 (1.6 - 5)	0	
2023	Mixed diet	MOL-TESSENDERLO-HASSEL	Ra-228	Bq/meal	13	13	< 0.435 (0.2904 - 0.8234)	0	



2023	Mixed diet	MOL-TESENDERLO-HASSELT	Sr-90	BQ/D	4	4	< 0.05592 (0.03953 - 0.07111)	0	
2023	Mixed diet	MOL-TESENDERLO-HASSELT	Sr-90	Bq/kg	4	4	< 0.1 (0.08 - 0.12)	0	
2023	Mixed diet	MOL-TESENDERLO-HASSELT	Sr-90	Bq/meal	4	4	< 0.01864 (0.01318 - 0.0237)	0	
2023	Mixed diet	MOL-TESENDERLO-HASSELT	Th-228	BQ/D	13	13	< 0.5392 (0.237 - 1.385)	0	
2023	Mixed diet	MOL-TESENDERLO-HASSELT	Th-228	Bq/kg	13	13	< 0.9692 (0.4 - 2.6)	0	
2023	Mixed diet	MOL-TESENDERLO-HASSELT	Th-228	Bq/meal	13	13	< 0.1797 (0.07901 - 0.4616)	0	
2023	Mixed diet	MOL-TESENDERLO-HASSELT	Zn-65	BQ/D	13	13	< 0.8724 (0.5445 - 1.482)	0	
2023	Mixed diet	MOL-TESENDERLO-HASSELT	Zn-65	Bq/kg	13	13	< 1.546 (1 - 3)	0	
2023	Mixed diet	MOL-TESENDERLO-HASSELT	Zn-65	Bq/meal	13	13	< 0.2908 (0.1815 - 0.4941)	0	