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Radiological surveillance of the territory and discharges of Class I and Class IIA nuclear facilities

2024: Annexes

Surveillance radiologique du territoire et des effluents des établissements nucléaires de classe I et de classe IIA

2024 : Annexes

Radiologisch toezicht op het grondgebied en de effluenten van nucleaire inrichtingen klasse I en klasse IIA

2024: Bijlagen

Table S1. Radioactivity measurements around the Tihange nuclear site: atmosphere, soil, the Meuse River (water, sediments, fauna and flora), and liquid discharges from the nuclear power plant.

Values are expressed in Bq/kg dry matter, Bq/liter, Bq/m² or Bq/m³ (DL: detection limit).

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2024	Outdoor air	LIXHE	Be-7	Bq/m³	13	1	< 0.0003423	12	0.002051 (0.0005842 - 0.003045)
2024	Outdoor air	LIXHE	Ce-141	Bq/m³	13	13	< 4.571e-05 (2.82e-05 - 7.98e-05)	0	
2024	Outdoor air	LIXHE	Ce-144	Bq/m³	13	13	< 0.0001054 (6.18e-05 - 0.0001531)	0	
2024	Outdoor air	LIXHE	Cs-134	Bq/m³	13	13	< 2.916e-05 (2.12e-05 - 4.22e-05)	0	
2024	Outdoor air	LIXHE	Cs-137	Bq/m³	13	13	< 2.228e-05 (1.82e-05 - 3.26e-05)	0	
2024	Outdoor air	LIXHE	I-131	Bq/m³	13	13	< 0.000371 (0.0001216 - 0.00214)	0	
2024	Outdoor air	LIXHE	K-40	Bq/m³	13	5	< 0.0003728 (0.0003159 - 0.0005502)	8	0.0004946 (0.0003456 - 0.0007652)
2024	Outdoor air	LIXHE	Nb-95	Bq/m³	13	13	< 4.206e-05 (2.93e-05 - 7.22e-05)	0	
2024	Outdoor air	LIXHE	Ru-103	Bq/m³	13	13	< 3.227e-05 (2.57e-05 - 5.26e-05)	0	
2024	Outdoor air	LIXHE	Ru-106	Bq/m³	13	13	< 0.0001987 (0.0001564 - 0.0002899)	0	
2024	Outdoor air	LIXHE	T-Beta	Bq/m³	358	134	< 0.0001716 (0.0001434 - 0.00028)	224	0.0004829 (0.0001455 - 0.001921)
2024	Outdoor air	LIXHE	Zr-95	Bq/m³	13	13	< 5.345e-05 (3.9e-05 - 7.42e-05)	0	
2024	Outdoor air	TIHANGE	Be-7	Bq/m³	13	0		13	0.001836 (0.001036 - 0.002691)
2024	Outdoor air	TIHANGE	Ce-141	Bq/m³	13	13	< 4.559e-05 (3.7e-05 - 7.47e-05)	0	
2024	Outdoor air	TIHANGE	Ce-144	Bq/m³	13	13	< 0.0001039 (8.8e-05 - 0.0001354)	0	
2024	Outdoor air	TIHANGE	Cs-134	Bq/m³	13	13	< 2.83e-05 (2.37e-05 - 3.71e-05)	0	
2024	Outdoor air	TIHANGE	Cs-137	Bq/m³	13	13	< 2.185e-05 (1.85e-05 - 2.92e-05)	0	
2024	Outdoor air	TIHANGE	I-131	Bq/m³	13	13	< 0.0003667 (0.0001257 - 0.002039)	0	
2024	Outdoor air	TIHANGE	K-40	Bq/m³	13	3	< 0.0003237 (0.0003226 - 0.0003251)	10	0.0004385 (0.0003444 - 0.0005959)
2024	Outdoor air	TIHANGE	Nb-95	Bq/m³	13	13	< 4.128e-05 (3.49e-05 - 6.46e-05)	0	
2024	Outdoor air	TIHANGE	Ru-103	Bq/m³	13	13	< 3.136e-05 (2.67e-05 - 4.71e-05)	0	
2024	Outdoor air	TIHANGE	Ru-106	Bq/m³	13	13	< 0.0001927 (0.000162 - 0.0002449)	0	
2024	Outdoor air	TIHANGE	T-Beta	Bq/m³	363	119	< 0.0001634 (0.0001439 - 0.0002393)	244	0.0004268 (0.0001453 - 0.001804)
2024	Outdoor air	TIHANGE	Zr-95	Bq/m³	13	13	< 5.322e-05 (4.64e-05 - 7.12e-05)	0	
2024	Total deposition filtered	LIXHE	Be-7	Bq/m²	13	9	< 15.88 (11.45 - 19.59)	4	25.28 (23.3 - 26.73)
2024	Total deposition filtered	LIXHE	Ce-141	Bq/m²	13	13	< 3.538 (3.026 - 4.72)	0	
2024	Total deposition filtered	LIXHE	Ce-144	Bq/m²	13	13	< 10.28 (9.307 - 11.46)	0	
2024	Total deposition filtered	LIXHE	Cs-134	Bq/m²	13	13	< 1.517 (1.404 - 1.603)	0	
2024	Total deposition filtered	LIXHE	Cs-137	Bq/m²	13	13	< 1.602 (1.308 - 1.849)	0	
2024	Total deposition filtered	LIXHE	H-3	Bq/m²	13	12	< 169.8 (77.15 - 317.4)	1	148.5
2024	Total deposition filtered	LIXHE	I-131	Bq/m²	13	13	< 8.801 (5.328 - 21.21)	0	
2024	Total deposition filtered	LIXHE	K-40	Bq/m²	13	0		13	0.4642 (0.1423 - 0.6685)
2024	Total deposition filtered	LIXHE	Nb-95	Bq/m²	13	13	< 2.281 (1.78 - 2.489)	0	
2024	Total deposition filtered	LIXHE	R-Beta	Bq/l	13	0		13	0.02004 (0.01139 - 0.03925)
2024	Total deposition filtered	LIXHE	Ru-103	Bq/m²	13	13	< 2.117 (1.653 - 2.37)	0	
2024	Total deposition filtered	LIXHE	Ru-106	Bq/m²	13	13	< 13.63 (11.43 - 15.37)	0	
2024	Total deposition filtered	LIXHE	T-Alfa	Bq/m²	13	0		13	0.3236 (0.1034 - 0.6218)
2024	Total deposition filtered	LIXHE	T-Beta	Bq/m²	13	0		13	1.902 (0.8179 - 3.179)
2024	Total deposition filtered	LIXHE	Zr-95	Bq/m²	13	13	< 3.306 (2.602 - 3.776)	0	
2024	Total deposition filtered	TIHANGE	Be-7	Bq/m²	13	8	< 17.15 (13.01 - 19.57)	5	21.21 (12.04 - 33.85)
2024	Total deposition filtered	TIHANGE	Ce-141	Bq/m²	13	13	< 3.555 (3.002 - 4.679)	0	
2024	Total deposition filtered	TIHANGE	Ce-144	Bq/m²	13	13	< 10.29 (9.461 - 11.52)	0	
2024	Total deposition filtered	TIHANGE	Cs-134	Bq/m²	13	13	< 1.523 (1.348 - 1.63)	0	
2024	Total deposition filtered	TIHANGE	Cs-137	Bq/m²	13	13	< 1.626 (1.289 - 1.822)	0	
2024	Total deposition filtered	TIHANGE	H-3	Bq/m²	13	11	< 193 (91.77 - 367.3)	2	166.1 (150.4 - 181.7)
2024	Total deposition filtered	TIHANGE	I-131	Bq/m²	13	13	< 8.942 (5.717 - 20.38)	0	
2024	Total deposition filtered	TIHANGE	K-40	Bq/m²	13	0		13	1.501 (0.1761 - 2.898)
2024	Total deposition filtered	TIHANGE	Nb-95	Bq/m²	13	13	< 2.292 (1.747 - 2.692)	0	
2024	Total deposition filtered	TIHANGE	R-Beta	Bq/l	13	0		13	0.01866 (0.009014 - 0.03318)
2024	Total deposition filtered	TIHANGE	Ru-103	Bq/m²	13	13	< 2.136 (1.661 - 2.355)	0	
2024	Total deposition filtered	TIHANGE	Ru-106	Bq/m²	13	13	< 13.55 (11.58 - 14.53)	0	
2024	Total deposition filtered	TIHANGE	T-Alfa	Bq/m²	13	1	< 0.1626	12	0.2747 (0.09181 - 0.4685)
2024	Total deposition filtered	TIHANGE	T-Beta	Bq/m²	13	0		13	2.987 (0.8961 - 4.083)
2024	Total deposition filtered	TIHANGE	Zr-95	Bq/m²	13	13	< 3.406 (2.723 - 3.894)	0	
2024	Total deposition residue	LIXHE	Be-7	Bq/m²	13	3	< 5.772 (5.053 - 6.222)	10	15.56 (9.616 - 26.74)

2024	Total deposition residue	LIXHE	Ce-141	Bq/m²	13	13	< 1.252 (0.8332 - 1.423)	0	
2024	Total deposition residue	LIXHE	Ce-144	Bq/m²	13	13	< 3.16 (1.999 - 3.706)	0	
2024	Total deposition residue	LIXHE	Cs-134	Bq/m²	13	13	< 0.6288 (0.4041 - 0.7131)	0	
2024	Total deposition residue	LIXHE	Cs-137	Bq/m²	13	13	< 0.5911 (0.4097 - 0.725)	0	
2024	Total deposition residue	LIXHE	I-131	Bq/m²	13	13	< 4.3 (3.026 - 6.345)	0	
2024	Total deposition residue	LIXHE	K-40	Bq/m²	13	13	< 8.689 (5.638 - 9.598)	0	
2024	Total deposition residue	LIXHE	Nb-95	Bq/m²	13	13	< 0.8969 (0.6559 - 1.049)	0	
2024	Total deposition residue	LIXHE	Ru-103	Bq/m²	13	13	< 0.8183 (0.5676 - 0.9052)	0	
2024	Total deposition residue	LIXHE	Ru-106	Bq/m²	13	13	< 5.386 (3.651 - 6.109)	0	
2024	Total deposition residue	LIXHE	T-Alfa	Bq/m²	13	0		13	0.7166 (0.1551 - 2.595)
2024	Total deposition residue	LIXHE	T-Beta	Bq/m²	13	0		13	3.618 (0.9318 - 11.75)
2024	Total deposition residue	LIXHE	Zr-95	Bq/m²	13	13	< 1.257 (0.8695 - 1.44)	0	
2024	Total deposition residue	TIHANGE	Be-7	Bq/m²	13	3	< 6.592 (5.382 - 8.689)	10	20.03 (5.304 - 53.12)
2024	Total deposition residue	TIHANGE	Ce-141	Bq/m²	13	13	< 1.323 (0.8062 - 1.802)	0	
2024	Total deposition residue	TIHANGE	Ce-144	Bq/m²	13	13	< 3.263 (1.94 - 4.332)	0	
2024	Total deposition residue	TIHANGE	Cs-134	Bq/m²	13	13	< 0.6623 (0.4049 - 0.9042)	0	
2024	Total deposition residue	TIHANGE	Cs-137	Bq/m²	13	13	< 0.6178 (0.3963 - 0.8758)	0	
2024	Total deposition residue	TIHANGE	I-131	Bq/m²	13	13	< 5.251 (3.1 - 8.309)	0	
2024	Total deposition residue	TIHANGE	K-40	Bq/m²	13	13	< 9.432 (5.813 - 12.55)	0	
2024	Total deposition residue	TIHANGE	Nb-95	Bq/m²	13	13	< 0.979 (0.5923 - 1.304)	0	
2024	Total deposition residue	TIHANGE	Ru-103	Bq/m²	13	13	< 0.9027 (0.5357 - 1.219)	0	
2024	Total deposition residue	TIHANGE	Ru-106	Bq/m²	13	13	< 5.634 (3.411 - 7.743)	0	
2024	Total deposition residue	TIHANGE	T-Alfa	Bq/m²	13	0		13	0.892 (0.2309 - 1.9)
2024	Total deposition residue	TIHANGE	T-Beta	Bq/m²	13	0		13	3.323 (1.31 - 7.957)
2024	Total deposition residue	TIHANGE	Zr-95	Bq/m²	13	13	< 1.341 (0.8253 - 1.865)	0	
2024	Topsoil and grass	LIXHE	Ag-110m	Bq/kg	1	1	< 1.191	0	
2024	Topsoil and grass	LIXHE	Be-7	Bq/kg	1	1	< 11.08	0	
2024	Topsoil and grass	LIXHE	Co-57	Bq/kg	1	1	< 0.66	0	
2024	Topsoil and grass	LIXHE	Co-58	Bq/kg	1	1	< 1.305	0	
2024	Topsoil and grass	LIXHE	Co-60	Bq/kg	1	1	< 0.9622	0	
2024	Topsoil and grass	LIXHE	Cs-134	Bq/kg	1	1	< 0.8833	0	
2024	Topsoil and grass	LIXHE	Cs-137	Bq/kg	1	0		1	0.8824
2024	Topsoil and grass	LIXHE	I-131	Bq/kg	1	1	< 23.13	0	
2024	Topsoil and grass	LIXHE	K-40	Bq/kg	1	0		1	348.1
2024	Topsoil and grass	LIXHE	Mn-54	Bq/kg	1	1	< 0.9955	0	
2024	Topsoil and grass	LIXHE	Ra-226	Bq/kg	1	0		1	30.37
2024	Topsoil and grass	LIXHE	Ra-228	Bq/kg	1	0		1	26.87
2024	Topsoil and grass	LIXHE	Ru-106	Bq/kg	1	1	< 7.951	0	
2024	Topsoil and grass	LIXHE	Sb-125	Bq/kg	1	1	< 2.501	0	
2024	Topsoil and grass	LIXHE	Th-228	Bq/kg	1	0		1	28.63
2024	Topsoil and grass	LIXHE	Zn-65	Bq/kg	1	1	< 2.869	0	
2024	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Ag-110m	Bq/kg	1	1	< 1.329	0	
2024	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Be-7	Bq/kg	1	1	< 12.71	0	
2024	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Co-57	Bq/kg	1	1	< 0.6951	0	
2024	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Co-58	Bq/kg	1	1	< 1.315	0	
2024	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Co-60	Bq/kg	1	1	< 1.01	0	
2024	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Cs-134	Bq/kg	1	1	< 0.9495	0	
2024	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Cs-137	Bq/kg	1	0		1	1.8
2024	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	I-131	Bq/kg	1	1	< 25.64	0	
2024	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	K-40	Bq/kg	1	0		1	353.7
2024	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Mn-54	Bq/kg	1	1	< 1.062	0	
2024	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Ra-226	Bq/kg	1	0		1	34.88
2024	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Ra-228	Bq/kg	1	0		1	35.67
2024	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Ru-106	Bq/kg	1	1	< 8.299	0	
2024	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Sb-125	Bq/kg	1	1	< 2.606	0	
2024	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Th-228	Bq/kg	1	0		1	37.46
2024	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Zn-65	Bq/kg	1	1	< 2.877	0	
2024	River water	AMPSIN	Be-7	Bq/l	26	26	< 1.398 (1.181 - 1.701)	0	
2024	River water	AMPSIN	Ce-141	Bq/l	26	26	< 0.2978 (0.2619 - 0.3536)	0	

2024	River water	AMPSIN	Ce-144	Bq/l	26	26	< 1.063 (0.9386 - 1.179)	0	
2024	River water	AMPSIN	Cs-134	Bq/l	26	26	< 0.1536 (0.1355 - 0.164)	0	
2024	River water	AMPSIN	Cs-137	Bq/l	26	26	< 0.1607 (0.1342 - 0.1932)	0	
2024	River water	AMPSIN	H-3	Bq/l	26	5	< 3.099 (2.267 - 5.207)	21	10.08 (1.529 - 51.87)
2024	River water	AMPSIN	I-131	Bq/l	26	26	< 0.4127 (0.2851 - 1.013)	0	
2024	River water	AMPSIN	K-40	Bq/l	26	0		26	0.07409 (0.04093 - 0.1037)
2024	River water	AMPSIN	Nb-95	Bq/l	26	26	< 0.1884 (0.1551 - 0.2634)	0	
2024	River water	AMPSIN	R-Beta	Bq/l	26	21	< 0.0428 (0.01833 - 0.0837)	5	0.05141 (0.04021 - 0.06899)
2024	River water	AMPSIN	Ru-103	Bq/l	26	26	< 0.1784 (0.1446 - 0.2332)	0	
2024	River water	AMPSIN	Ru-106	Bq/l	26	26	< 1.327 (1.131 - 1.523)	0	
2024	River water	AMPSIN	T-Alfa	Bq/l	26	20	< 0.02664 (0.01488 - 0.03416)	6	0.02788 (0.02294 - 0.03724)
2024	River water	AMPSIN	T-Beta	Bq/l	26	2	< 0.05101 (0.01833 - 0.0837)	24	0.09977 (0.05266 - 0.1511)
2024	River water	AMPSIN	Zr-95	Bq/l	26	26	< 0.2985 (0.2438 - 0.3701)	0	
2024	River water	ANDENNE (GIVES)	Be-7	Bq/l	26	26	< 1.425 (1.182 - 1.808)	0	
2024	River water	ANDENNE (GIVES)	Ce-141	Bq/l	26	26	< 0.3032 (0.2688 - 0.3749)	0	
2024	River water	ANDENNE (GIVES)	Ce-144	Bq/l	26	26	< 1.054 (0.9408 - 1.204)	0	
2024	River water	ANDENNE (GIVES)	Cs-134	Bq/l	26	26	< 0.1556 (0.1367 - 0.1699)	0	
2024	River water	ANDENNE (GIVES)	Cs-137	Bq/l	26	26	< 0.1601 (0.1263 - 0.1905)	0	
2024	River water	ANDENNE (GIVES)	H-3	Bq/l	26	12	< 2.874 (2.02 - 5.207)	14	6.93 (2.745 - 15.99)
2024	River water	ANDENNE (GIVES)	I-131	Bq/l	26	26	< 0.4436 (0.2932 - 1.175)	0	
2024	River water	ANDENNE (GIVES)	K-40	Bq/l	26	0		26	0.07196 (0.03474 - 0.09316)
2024	River water	ANDENNE (GIVES)	Nb-95	Bq/l	26	26	< 0.1942 (0.1516 - 0.2767)	0	
2024	River water	ANDENNE (GIVES)	R-Beta	Bq/l	26	19	< 0.04026 (0.01969 - 0.04387)	7	0.04706 (0.04352 - 0.05187)
2024	River water	ANDENNE (GIVES)	Ru-103	Bq/l	26	26	< 0.1829 (0.1466 - 0.2432)	0	
2024	River water	ANDENNE (GIVES)	Ru-106	Bq/l	26	26	< 1.342 (1.116 - 1.509)	0	
2024	River water	ANDENNE (GIVES)	T-Alfa	Bq/l	26	15	< 0.02752 (0.02165 - 0.03546)	11	0.03745 (0.02361 - 0.07562)
2024	River water	ANDENNE (GIVES)	T-Beta	Bq/l	26	2	< 0.03045 (0.01969 - 0.04122)	24	0.09787 (0.06173 - 0.1393)
2024	River water	ANDENNE (GIVES)	Zr-95	Bq/l	26	26	< 0.3104 (0.2363 - 0.3892)	0	
2024	River water	HUY	Be-7	Bq/l	26	26	< 1.359 (0.8026 - 1.782)	0	
2024	River water	HUY	Ce-141	Bq/l	26	26	< 0.2966 (0.2183 - 0.3624)	0	
2024	River water	HUY	Ce-144	Bq/l	26	26	< 1.058 (0.7855 - 1.194)	0	
2024	River water	HUY	Cs-134	Bq/l	26	26	< 0.1509 (0.09654 - 0.1618)	0	
2024	River water	HUY	Cs-137	Bq/l	26	26	< 0.1532 (0.09599 - 0.1889)	0	
2024	River water	HUY	H-3	Bq/l	26	9	< 3.025 (2.225 - 5.207)	17	6.236 (2.377 - 16.98)
2024	River water	HUY	I-131	Bq/l	26	26	< 0.4089 (0.2349 - 1.059)	0	
2024	River water	HUY	K-40	Bq/l	26	0		26	0.07342 (0.03716 - 0.09461)
2024	River water	HUY	Nb-95	Bq/l	26	26	< 0.1817 (0.1027 - 0.2552)	0	
2024	River water	HUY	R-Beta	Bq/l	26	24	< 0.04057 (0.01937 - 0.04406)	2	0.05034 (0.04851 - 0.05217)
2024	River water	HUY	Ru-103	Bq/l	26	26	< 0.1721 (0.102 - 0.2434)	0	
2024	River water	HUY	Ru-106	Bq/l	26	26	< 1.284 (0.7472 - 1.53)	0	
2024	River water	HUY	T-Alfa	Bq/l	26	21	< 0.02739 (0.0178 - 0.03428)	5	0.02664 (0.02319 - 0.03406)
2024	River water	HUY	T-Beta	Bq/l	26	1	< 0.01937	25	0.09469 (0.05933 - 0.1431)
2024	River water	HUY	Zr-95	Bq/l	26	26	< 0.2881 (0.1581 - 0.375)	0	
2024	River water	LIXHE	Be-7	Bq/l	26	26	< 1.421 (1.179 - 1.831)	0	
2024	River water	LIXHE	Ce-141	Bq/l	26	26	< 0.299 (0.2681 - 0.3709)	0	
2024	River water	LIXHE	Ce-144	Bq/l	26	26	< 1.063 (0.9407 - 1.183)	0	
2024	River water	LIXHE	Cs-134	Bq/l	26	26	< 0.1553 (0.145 - 0.1708)	0	
2024	River water	LIXHE	Cs-137	Bq/l	26	26	< 0.1608 (0.1341 - 0.1858)	0	
2024	River water	LIXHE	H-3	Bq/l	26	5	< 3.492 (2.365 - 5.207)	21	8.539 (2.494 - 23.03)
2024	River water	LIXHE	I-131	Bq/l	26	26	< 0.4237 (0.2741 - 1.128)	0	
2024	River water	LIXHE	K-40	Bq/l	26	0		26	0.07872 (0.03833 - 0.1133)
2024	River water	LIXHE	Nb-95	Bq/l	26	26	< 0.1919 (0.1494 - 0.2685)	0	
2024	River water	LIXHE	R-Beta	Bq/l	26	21	< 0.0411 (0.01961 - 0.04598)	5	0.05113 (0.04589 - 0.05658)
2024	River water	LIXHE	Ru-103	Bq/l	26	26	< 0.1804 (0.1395 - 0.2524)	0	
2024	River water	LIXHE	Ru-106	Bq/l	26	26	< 1.35 (1.13 - 1.527)	0	
2024	River water	LIXHE	T-Alfa	Bq/l	26	17	< 0.02593 (0.01467 - 0.03355)	9	0.03607 (0.02355 - 0.04776)
2024	River water	LIXHE	T-Beta	Bq/l	26	1	< 0.01961	25	0.1056 (0.06968 - 0.1547)
2024	River water	LIXHE	Zr-95	Bq/l	26	26	< 0.3049 (0.2427 - 0.3946)	0	
2024	River sediments	AMPSIN	Ag-110m	Bq/kg	13	13	< 3.941 (1.797 - 5.243)	0	

2024	River sediments	AMPSIN	Be-7	Bq/kg	13	2	< 41.01 (36.84 - 45.18)	11	151.6 (39 - 243.7)
2024	River sediments	AMPSIN	Co-57	Bq/kg	13	13	< 1.537 (0.923 - 2.293)	0	
2024	River sediments	AMPSIN	Co-58	Bq/kg	13	13	< 4.01 (1.495 - 5.57)	0	
2024	River sediments	AMPSIN	Co-60	Bq/kg	13	9	< 3.16 (1.742 - 4.214)	4	4.079 (2.133 - 6.729)
2024	River sediments	AMPSIN	Cs-134	Bq/kg	13	13	< 2.834 (1.43 - 3.89)	0	
2024	River sediments	AMPSIN	Cs-137	Bq/kg	13	1	< 2.953	12	5.433 (2.533 - 7.352)
2024	River sediments	AMPSIN	I-131	Bq/kg	13	13	< 174 (41.5 - 250.8)	0	
2024	River sediments	AMPSIN	K-40	Bq/kg	13	0		13	421 (254.9 - 515.1)
2024	River sediments	AMPSIN	Mn-54	Bq/kg	13	13	< 2.836 (1.168 - 3.817)	0	
2024	River sediments	AMPSIN	Nb-95	Bq/kg	13	13	< 7.748 (2.922 - 10.44)	0	
2024	River sediments	AMPSIN	Ra-226	Bq/kg	13	0		13	47.76 (30.59 - 75.2)
2024	River sediments	AMPSIN	Ra-228	Bq/kg	13	0		13	37.89 (20.66 - 45.65)
2024	River sediments	AMPSIN	Th-228	Bq/kg	13	0		13	41.48 (28.16 - 50.15)
2024	River sediments	AMPSIN	U-238	Bq/kg	13	3	< 31.44 (27.46 - 34.13)	10	48.61 (37.53 - 60.99)
2024	River sediments	AMPSIN	Zn-65	Bq/kg	13	13	< 7.622 (3.543 - 10.43)	0	
2024	River sediments	ANDENNE (GIVES)	Ag-110m	Bq/kg	13	13	< 3.843 (2.993 - 5.181)	0	
2024	River sediments	ANDENNE (GIVES)	Be-7	Bq/kg	13	0		13	156.7 (99.32 - 231.7)
2024	River sediments	ANDENNE (GIVES)	Co-57	Bq/kg	13	13	< 1.597 (1.266 - 2.401)	0	
2024	River sediments	ANDENNE (GIVES)	Co-58	Bq/kg	13	13	< 4.094 (3.185 - 5.517)	0	
2024	River sediments	ANDENNE (GIVES)	Co-60	Bq/kg	13	13	< 2.954 (2.176 - 3.925)	0	
2024	River sediments	ANDENNE (GIVES)	Cs-134	Bq/kg	13	13	< 2.899 (2.265 - 4.276)	0	
2024	River sediments	ANDENNE (GIVES)	Cs-137	Bq/kg	13	0		13	3.948 (2.518 - 5.912)
2024	River sediments	ANDENNE (GIVES)	I-131	Bq/kg	13	13	< 178.2 (85.74 - 259.3)	0	
2024	River sediments	ANDENNE (GIVES)	K-40	Bq/kg	13	0		13	412.1 (351.3 - 506.1)
2024	River sediments	ANDENNE (GIVES)	Mn-54	Bq/kg	13	13	< 2.86 (2.333 - 3.834)	0	
2024	River sediments	ANDENNE (GIVES)	Nb-95	Bq/kg	13	13	< 7.941 (5.788 - 10.38)	0	
2024	River sediments	ANDENNE (GIVES)	Ra-226	Bq/kg	13	0		13	47.59 (38.14 - 63.7)
2024	River sediments	ANDENNE (GIVES)	Ra-228	Bq/kg	13	0		13	41.65 (35.04 - 52.18)
2024	River sediments	ANDENNE (GIVES)	Th-228	Bq/kg	13	0		13	42.94 (34.11 - 56.96)
2024	River sediments	ANDENNE (GIVES)	U-238	Bq/kg	13	1	< 36.56	12	48.3 (38.32 - 67.15)
2024	River sediments	ANDENNE (GIVES)	Zn-65	Bq/kg	13	13	< 8.097 (6.787 - 10.11)	0	
2024	River sediments	LIXHE	Ag-110m	Bq/kg	13	13	< 5.406 (3.608 - 10.37)	0	
2024	River sediments	LIXHE	Be-7	Bq/kg	13	1	< 162.7	12	193.6 (108.8 - 365.8)
2024	River sediments	LIXHE	Co-57	Bq/kg	13	13	< 2.656 (1.301 - 11.6)	0	
2024	River sediments	LIXHE	Co-58	Bq/kg	13	13	< 6.452 (3.528 - 16.01)	0	
2024	River sediments	LIXHE	Co-60	Bq/kg	13	13	< 4.633 (2.642 - 9.911)	0	
2024	River sediments	LIXHE	Cs-134	Bq/kg	13	13	< 4.123 (2.287 - 10.62)	0	
2024	River sediments	LIXHE	Cs-137	Bq/kg	13	2	< 7.842 (5.433 - 10.25)	11	5.104 (3.859 - 6.516)
2024	River sediments	LIXHE	I-131	Bq/kg	13	13	< 302.9 (138.1 - 978.4)	0	
2024	River sediments	LIXHE	K-40	Bq/kg	13	0		13	758.3 (314.9 - 4494)
2024	River sediments	LIXHE	Mn-54	Bq/kg	13	13	< 4.382 (2.593 - 10.58)	0	
2024	River sediments	LIXHE	Nb-95	Bq/kg	13	13	< 12.06 (7.262 - 30.91)	0	
2024	River sediments	LIXHE	Ra-226	Bq/kg	13	1	< 95	12	67.17 (38.1 - 280.4)
2024	River sediments	LIXHE	Ra-228	Bq/kg	13	0		13	53.67 (28.14 - 201.8)
2024	River sediments	LIXHE	Th-228	Bq/kg	13	0		13	45.82 (24.85 - 99.26)
2024	River sediments	LIXHE	U-238	Bq/kg	13	4	< 72.07 (27.79 - 160)	9	53.18 (36.45 - 71.74)
2024	River sediments	LIXHE	Zn-65	Bq/kg	13	13	< 11.6 (7.551 - 25.69)	0	
2024	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Ag-110m	Bq/kg	4	4	< 3.63 (2.896 - 4.489)	0	
2024	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Be-7	Bq/kg	4	0		4	111.8 (55.65 - 201.9)
2024	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Co-57	Bq/kg	4	4	< 1.504 (1.198 - 1.707)	0	
2024	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Co-58	Bq/kg	4	4	< 3.82 (2.627 - 4.625)	0	
2024	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Co-60	Bq/kg	4	4	< 3.186 (2.432 - 3.873)	0	
2024	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Cs-134	Bq/kg	4	4	< 2.826 (2.227 - 3.268)	0	
2024	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Cs-137	Bq/kg	4	2	< 2.544 (1.744 - 3.344)	2	3.697 (2.332 - 5.063)
2024	Freshwater aquatic mosses	AMPSIN-FLEMALLE	H-3	Bq/kg	4	1	< 20.27	3	19.85 (12.78 - 31.18)
2024	Freshwater aquatic mosses	AMPSIN-FLEMALLE	I-131	Bq/kg	4	4	< 65.57 (46.44 - 74.41)	0	
2024	Freshwater aquatic mosses	AMPSIN-FLEMALLE	K-40	Bq/kg	4	0		4	393.9 (250.9 - 583.1)
2024	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Mn-54	Bq/kg	4	4	< 3.013 (2.03 - 3.764)	0	
2024	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Nb-95	Bq/kg	4	4	< 6.198 (4.332 - 7.889)	0	

2024	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Ra-226	Bq/kg	4	1	< 6.286	3	36.56 (24.32 - 52.65)
2024	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Ra-228	Bq/kg	4	1	< 17.01	3	26.6 (20.55 - 33.47)
2024	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Th-228	Bq/kg	4	1	< 22.5	3	27.91 (24.32 - 34.64)
2024	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Zn-65	Bq/kg	4	4	< 7.77 (5.722 - 9.656)	0	
2024	Freshwater aquatic mosses	ANDENNE (GIVES)	Ag-110m	Bq/kg	4	4	< 4.109 (2.805 - 7.757)	0	
2024	Freshwater aquatic mosses	ANDENNE (GIVES)	Be-7	Bq/kg	4	0		4	102.2 (37.98 - 181.9)
2024	Freshwater aquatic mosses	ANDENNE (GIVES)	Co-57	Bq/kg	4	4	< 2.624 (1.112 - 5.111)	0	
2024	Freshwater aquatic mosses	ANDENNE (GIVES)	Co-58	Bq/kg	4	4	< 4.95 (2.704 - 7.712)	0	
2024	Freshwater aquatic mosses	ANDENNE (GIVES)	Co-60	Bq/kg	4	4	< 4.141 (2.458 - 7.24)	0	
2024	Freshwater aquatic mosses	ANDENNE (GIVES)	Cs-134	Bq/kg	4	4	< 3.326 (1.972 - 5.632)	0	
2024	Freshwater aquatic mosses	ANDENNE (GIVES)	Cs-137	Bq/kg	4	2	< 4.131 (1.835 - 6.428)	2	4.693 (2.092 - 7.294)
2024	Freshwater aquatic mosses	ANDENNE (GIVES)	H-3	Bq/kg	4	1	< 47.87	3	17.54 (11.82 - 22.76)
2024	Freshwater aquatic mosses	ANDENNE (GIVES)	I-131	Bq/kg	4	4	< 77.09 (52.05 - 116.5)	0	
2024	Freshwater aquatic mosses	ANDENNE (GIVES)	K-40	Bq/kg	4	0		4	252.7 (3.443 - 500.4)
2024	Freshwater aquatic mosses	ANDENNE (GIVES)	Mn-54	Bq/kg	4	4	< 3.848 (2.183 - 5.755)	0	
2024	Freshwater aquatic mosses	ANDENNE (GIVES)	Nb-95	Bq/kg	4	4	< 6.702 (4.668 - 11.94)	0	
2024	Freshwater aquatic mosses	ANDENNE (GIVES)	Ra-226	Bq/kg	4	0		4	30.61 (17.01 - 54.26)
2024	Freshwater aquatic mosses	ANDENNE (GIVES)	Ra-228	Bq/kg	4	0		4	25.57 (12.29 - 43.64)
2024	Freshwater aquatic mosses	ANDENNE (GIVES)	Th-228	Bq/kg	4	0		4	24.58 (11.75 - 37.85)
2024	Freshwater aquatic mosses	ANDENNE (GIVES)	Zn-65	Bq/kg	4	4	< 8.857 (6.005 - 16.05)	0	
2024	Freshwater aquatic mosses	HUY	Ag-110m	Bq/kg	4	4	< 7.67 (5.576 - 10.96)	0	
2024	Freshwater aquatic mosses	HUY	Be-7	Bq/kg	4	2	< 82.75 (47.5 - 118)	2	168.3 (66.96 - 269.7)
2024	Freshwater aquatic mosses	HUY	Co-57	Bq/kg	4	4	< 2.652 (1.985 - 3.842)	0	
2024	Freshwater aquatic mosses	HUY	Co-58	Bq/kg	4	4	< 8.349 (6.001 - 12.84)	0	
2024	Freshwater aquatic mosses	HUY	Co-60	Bq/kg	4	4	< 7.24 (5.226 - 11.24)	0	
2024	Freshwater aquatic mosses	HUY	Cs-134	Bq/kg	4	4	< 5.668 (4.337 - 8.281)	0	
2024	Freshwater aquatic mosses	HUY	Cs-137	Bq/kg	4	3	< 5.542 (3.492 - 8.564)	1	6.03
2024	Freshwater aquatic mosses	HUY	H-3	Bq/kg	4	2	< 18.68 (15.49 - 21.87)	2	16.02 (13.21 - 18.84)
2024	Freshwater aquatic mosses	HUY	I-131	Bq/kg	4	4	< 179.9 (92.8 - 406.5)	0	
2024	Freshwater aquatic mosses	HUY	K-40	Bq/kg	4	0		4	350 (239.3 - 426.6)
2024	Freshwater aquatic mosses	HUY	Mn-54	Bq/kg	4	4	< 6.368 (4.773 - 9.482)	0	
2024	Freshwater aquatic mosses	HUY	Nb-95	Bq/kg	4	4	< 13.45 (9.572 - 21.58)	0	
2024	Freshwater aquatic mosses	HUY	Ra-226	Bq/kg	4	1	< 16.9	3	31.72 (22.5 - 45.17)
2024	Freshwater aquatic mosses	HUY	Ra-228	Bq/kg	4	3	< 28.29 (20.9 - 39.03)	1	19.85
2024	Freshwater aquatic mosses	HUY	Th-228	Bq/kg	4	1	< 13.32	3	14.93 (13.61 - 17.4)
2024	Freshwater aquatic mosses	HUY	Zn-65	Bq/kg	4	4	< 15.67 (11.39 - 23.76)	0	
2024	Freshwater aquatic mosses	VISE (LIXHE)	Ag-110m	Bq/kg	4	4	< 5.15 (4.28 - 6.238)	0	
2024	Freshwater aquatic mosses	VISE (LIXHE)	Be-7	Bq/kg	4	0		4	103.1 (49.52 - 199.6)
2024	Freshwater aquatic mosses	VISE (LIXHE)	Co-57	Bq/kg	4	4	< 1.853 (1.618 - 2.144)	0	
2024	Freshwater aquatic mosses	VISE (LIXHE)	Co-58	Bq/kg	4	4	< 5.726 (4.853 - 6.495)	0	
2024	Freshwater aquatic mosses	VISE (LIXHE)	Co-60	Bq/kg	4	4	< 4.934 (4.05 - 5.797)	0	
2024	Freshwater aquatic mosses	VISE (LIXHE)	Cs-134	Bq/kg	4	4	< 3.758 (2.986 - 4.763)	0	
2024	Freshwater aquatic mosses	VISE (LIXHE)	Cs-137	Bq/kg	4	3	< 4.577 (3.725 - 5.388)	1	3.465
2024	Freshwater aquatic mosses	VISE (LIXHE)	H-3	Bq/kg	4	2	< 20.94 (20.6 - 21.28)	2	24.14 (22.53 - 25.75)
2024	Freshwater aquatic mosses	VISE (LIXHE)	I-131	Bq/kg	4	4	< 110.2 (75.52 - 166.9)	0	
2024	Freshwater aquatic mosses	VISE (LIXHE)	K-40	Bq/kg	4	0		4	391.5 (254.3 - 652.4)
2024	Freshwater aquatic mosses	VISE (LIXHE)	Mn-54	Bq/kg	4	4	< 4.323 (3.658 - 5.236)	0	
2024	Freshwater aquatic mosses	VISE (LIXHE)	Nb-95	Bq/kg	4	4	< 9.038 (7.213 - 10.53)	0	
2024	Freshwater aquatic mosses	VISE (LIXHE)	Ra-226	Bq/kg	4	1	< 6.428	3	27.54 (22.49 - 30.24)
2024	Freshwater aquatic mosses	VISE (LIXHE)	Ra-228	Bq/kg	4	3	< 17.26 (14.15 - 21.8)	1	28.12
2024	Freshwater aquatic mosses	VISE (LIXHE)	Th-228	Bq/kg	4	3	< 6.733 (5.421 - 7.544)	1	30.61
2024	Freshwater aquatic mosses	VISE (LIXHE)	Zn-65	Bq/kg	4	4	< 10.9 (8.916 - 12.52)	0	
2024	Freshwater aquatic plants	AMPSIN-FLEMALLE	Ag-110m	Bq/kg	4	4	< 3.687 (1.928 - 5.534)	0	
2024	Freshwater aquatic plants	AMPSIN-FLEMALLE	Be-7	Bq/kg	4	1	< 19.58	3	77.4 (49.22 - 132.6)
2024	Freshwater aquatic plants	AMPSIN-FLEMALLE	Co-57	Bq/kg	4	4	< 1.396 (0.78 - 2.17)	0	
2024	Freshwater aquatic plants	AMPSIN-FLEMALLE	Co-58	Bq/kg	4	4	< 3.924 (2.179 - 6.104)	0	
2024	Freshwater aquatic plants	AMPSIN-FLEMALLE	Co-60	Bq/kg	4	4	< 3.487 (1.855 - 5.319)	0	
2024	Freshwater aquatic plants	AMPSIN-FLEMALLE	Cs-134	Bq/kg	4	4	< 2.745 (1.526 - 4.177)	0	
2024	Freshwater aquatic plants	AMPSIN-FLEMALLE	Cs-137	Bq/kg	4	3	< 2.231 (1.08 - 4.05)	1	3.47

2024	Freshwater aquatic plants	AMPSIN-FLEMALLE	H-3	Bq/kg	4	3	< 18.04 (11.3 - 23.23)	1	35.73
2024	Freshwater aquatic plants	AMPSIN-FLEMALLE	I-131	Bq/kg	4	4	< 56.95 (32.01 - 80.5)	0	
2024	Freshwater aquatic plants	AMPSIN-FLEMALLE	K-40	Bq/kg	4	1	< 30.51	3	520.3 (348.5 - 770.4)
2024	Freshwater aquatic plants	AMPSIN-FLEMALLE	Mn-54	Bq/kg	4	4	< 3.094 (1.708 - 4.981)	0	
2024	Freshwater aquatic plants	AMPSIN-FLEMALLE	Nb-95	Bq/kg	4	4	< 5.981 (3.294 - 9.308)	0	
2024	Freshwater aquatic plants	AMPSIN-FLEMALLE	Ra-226	Bq/kg	4	4	< 5.789 (3.04 - 9.23)	0	
2024	Freshwater aquatic plants	AMPSIN-FLEMALLE	Ra-228	Bq/kg	4	4	< 12.24 (6.644 - 18.69)	0	
2024	Freshwater aquatic plants	AMPSIN-FLEMALLE	Th-228	Bq/kg	4	4	< 4.372 (2.495 - 6.303)	0	
2024	Freshwater aquatic plants	AMPSIN-FLEMALLE	Zn-65	Bq/kg	4	4	< 7.957 (3.751 - 12.24)	0	
2024	Freshwater aquatic plants	ANDENNE (GIVES)	Ag-110m	Bq/kg	4	4	< 4.883 (2.023 - 10.15)	0	
2024	Freshwater aquatic plants	ANDENNE (GIVES)	Be-7	Bq/kg	4	1	< 21.63	3	113.1 (87.26 - 143.3)
2024	Freshwater aquatic plants	ANDENNE (GIVES)	Co-57	Bq/kg	4	4	< 1.797 (0.9087 - 3.457)	0	
2024	Freshwater aquatic plants	ANDENNE (GIVES)	Co-58	Bq/kg	4	4	< 5.493 (2.548 - 11.38)	0	
2024	Freshwater aquatic plants	ANDENNE (GIVES)	Co-60	Bq/kg	4	4	< 4.69 (1.992 - 9.574)	0	
2024	Freshwater aquatic plants	ANDENNE (GIVES)	Cs-134	Bq/kg	4	4	< 3.724 (1.707 - 7.366)	0	
2024	Freshwater aquatic plants	ANDENNE (GIVES)	Cs-137	Bq/kg	4	4	< 3.942 (1.694 - 8.431)	0	
2024	Freshwater aquatic plants	ANDENNE (GIVES)	H-3	Bq/kg	4	3	< 18.94 (11.41 - 25.48)	1	20.64
2024	Freshwater aquatic plants	ANDENNE (GIVES)	I-131	Bq/kg	4	4	< 77.63 (48.05 - 142.3)	0	
2024	Freshwater aquatic plants	ANDENNE (GIVES)	K-40	Bq/kg	4	1	< 35.17	3	557.9 (261.2 - 938.9)
2024	Freshwater aquatic plants	ANDENNE (GIVES)	Mn-54	Bq/kg	4	4	< 4.09 (1.934 - 8.451)	0	
2024	Freshwater aquatic plants	ANDENNE (GIVES)	Nb-95	Bq/kg	4	4	< 7.717 (4.03 - 14.75)	0	
2024	Freshwater aquatic plants	ANDENNE (GIVES)	Ra-226	Bq/kg	4	3	< 7.504 (3.203 - 14.2)	1	7.697
2024	Freshwater aquatic plants	ANDENNE (GIVES)	Ra-228	Bq/kg	4	4	< 16.64 (7.638 - 33.48)	0	
2024	Freshwater aquatic plants	ANDENNE (GIVES)	Th-228	Bq/kg	4	4	< 5.946 (2.932 - 11.36)	0	
2024	Freshwater aquatic plants	ANDENNE (GIVES)	Zn-65	Bq/kg	4	4	< 10.24 (4.388 - 19.79)	0	
2024	Freshwater aquatic plants	HUY	Ag-110m	Bq/kg	4	4	< 3.537 (1.677 - 5.306)	0	
2024	Freshwater aquatic plants	HUY	Be-7	Bq/kg	4	1	< 18.18	3	98.22 (43.99 - 128.5)
2024	Freshwater aquatic plants	HUY	Co-57	Bq/kg	4	4	< 1.36 (0.8112 - 1.838)	0	
2024	Freshwater aquatic plants	HUY	Co-58	Bq/kg	4	4	< 4.07 (2.282 - 5.987)	0	
2024	Freshwater aquatic plants	HUY	Co-60	Bq/kg	4	4	< 3.407 (1.703 - 5.038)	0	
2024	Freshwater aquatic plants	HUY	Cs-134	Bq/kg	4	4	< 2.634 (1.409 - 3.911)	0	
2024	Freshwater aquatic plants	HUY	Cs-137	Bq/kg	4	3	< 2.888 (1.461 - 4.341)	1	2.731
2024	Freshwater aquatic plants	HUY	H-3	Bq/kg	4	3	< 16.5 (12.05 - 21.62)	1	21.1
2024	Freshwater aquatic plants	HUY	I-131	Bq/kg	4	4	< 61.17 (49.81 - 78.14)	0	
2024	Freshwater aquatic plants	HUY	K-40	Bq/kg	4	1	< 28.98	3	454.4 (399 - 531.3)
2024	Freshwater aquatic plants	HUY	Mn-54	Bq/kg	4	4	< 3.07 (1.643 - 4.64)	0	
2024	Freshwater aquatic plants	HUY	Nb-95	Bq/kg	4	4	< 5.644 (3.393 - 7.847)	0	
2024	Freshwater aquatic plants	HUY	Ra-226	Bq/kg	4	3	< 4.511 (2.712 - 5.71)	1	8.892
2024	Freshwater aquatic plants	HUY	Ra-228	Bq/kg	4	4	< 12.07 (6.515 - 17.98)	0	
2024	Freshwater aquatic plants	HUY	Th-228	Bq/kg	4	4	< 4.472 (2.527 - 6.228)	0	
2024	Freshwater aquatic plants	HUY	Zn-65	Bq/kg	4	4	< 7.425 (3.988 - 10.82)	0	
2024	Freshwater aquatic plants	VISE (LIXHE)	Ag-110m	Bq/kg	4	4	< 4.812 (2.399 - 7.07)	0	
2024	Freshwater aquatic plants	VISE (LIXHE)	Be-7	Bq/kg	4	1	< 23.56	3	128.4 (69.7 - 170.7)
2024	Freshwater aquatic plants	VISE (LIXHE)	Co-57	Bq/kg	4	4	< 1.766 (0.9615 - 2.464)	0	
2024	Freshwater aquatic plants	VISE (LIXHE)	Co-58	Bq/kg	4	4	< 5.317 (2.735 - 7.851)	0	
2024	Freshwater aquatic plants	VISE (LIXHE)	Co-60	Bq/kg	4	4	< 4.551 (2.129 - 7.113)	0	
2024	Freshwater aquatic plants	VISE (LIXHE)	Cs-134	Bq/kg	4	4	< 3.588 (1.832 - 5.404)	0	
2024	Freshwater aquatic plants	VISE (LIXHE)	Cs-137	Bq/kg	4	4	< 3.304 (2.045 - 3.885)	0	
2024	Freshwater aquatic plants	VISE (LIXHE)	H-3	Bq/kg	4	2	< 18.93 (15.7 - 22.15)	2	20.5 (13.76 - 27.25)
2024	Freshwater aquatic plants	VISE (LIXHE)	I-131	Bq/kg	4	4	< 83.7 (63.2 - 105.4)	0	
2024	Freshwater aquatic plants	VISE (LIXHE)	K-40	Bq/kg	4	1	< 37.25	3	579.9 (459.6 - 708.9)
2024	Freshwater aquatic plants	VISE (LIXHE)	Mn-54	Bq/kg	4	4	< 3.908 (2.124 - 5.454)	0	
2024	Freshwater aquatic plants	VISE (LIXHE)	Nb-95	Bq/kg	4	4	< 8.054 (4.471 - 11.59)	0	
2024	Freshwater aquatic plants	VISE (LIXHE)	Ra-226	Bq/kg	4	4	< 6.5 (3.321 - 8.371)	0	
2024	Freshwater aquatic plants	VISE (LIXHE)	Ra-228	Bq/kg	4	4	< 16.18 (8.22 - 24.5)	0	
2024	Freshwater aquatic plants	VISE (LIXHE)	Th-228	Bq/kg	4	4	< 5.925 (3.086 - 8.299)	0	
2024	Freshwater aquatic plants	VISE (LIXHE)	Zn-65	Bq/kg	4	4	< 9.893 (5.053 - 14.6)	0	
2024	Freshwater mussels	AMPSIN-FLEMALLE	Ag-110m	Bq/kg	4	4	< 1.469 (1.029 - 2.045)	0	
2024	Freshwater mussels	AMPSIN-FLEMALLE	Be-7	Bq/kg	4	2	< 12.43 (7.488 - 17.37)	2	16.39 (15.14 - 17.65)

2024	Freshwater mussels	AMPSIN-FLEMALLE	Co-57	Bq/kg	4	4	< 0.818 (0.4435 - 1.151)	0	
2024	Freshwater mussels	AMPSIN-FLEMALLE	Co-58	Bq/kg	4	4	< 1.419 (0.8271 - 2.059)	0	
2024	Freshwater mussels	AMPSIN-FLEMALLE	Co-60	Bq/kg	4	3	< 1.332 (0.894 - 1.659)	1	0.9458
2024	Freshwater mussels	AMPSIN-FLEMALLE	Cs-134	Bq/kg	4	4	< 1.287 (0.7064 - 1.892)	0	
2024	Freshwater mussels	AMPSIN-FLEMALLE	Cs-137	Bq/kg	4	3	< 1.213 (0.9128 - 1.414)	1	0.7228
2024	Freshwater mussels	AMPSIN-FLEMALLE	H-3	Bq/kg	4	2	< 18 (14.42 - 21.58)	2	18.03 (14.1 - 21.96)
2024	Freshwater mussels	AMPSIN-FLEMALLE	I-131	Bq/kg	4	4	< 26.36 (15 - 34.59)	0	
2024	Freshwater mussels	AMPSIN-FLEMALLE	K-40	Bq/kg	4	2	< 20.91 (19.89 - 21.93)	2	47.77 (29.94 - 65.59)
2024	Freshwater mussels	AMPSIN-FLEMALLE	Mn-54	Bq/kg	4	4	< 1.114 (0.6982 - 1.618)	0	
2024	Freshwater mussels	AMPSIN-FLEMALLE	Nb-95	Bq/kg	4	4	< 2.235 (1.428 - 3.019)	0	
2024	Freshwater mussels	AMPSIN-FLEMALLE	Ra-226	Bq/kg	4	0		4	9.493 (5.989 - 13.87)
2024	Freshwater mussels	AMPSIN-FLEMALLE	Ra-228	Bq/kg	4	3	< 5.125 (3.538 - 6.273)	1	4.78
2024	Freshwater mussels	AMPSIN-FLEMALLE	Th-228	Bq/kg	4	2	< 2.569 (2.417 - 2.722)	2	4.862 (4.736 - 4.988)
2024	Freshwater mussels	AMPSIN-FLEMALLE	Zn-65	Bq/kg	4	4	< 2.815 (1.905 - 3.923)	0	
2024	Freshwater mussels	ANDENNE (GIVES)	Ag-110m	Bq/kg	4	4	< 1.168 (0.852 - 1.921)	0	
2024	Freshwater mussels	ANDENNE (GIVES)	Be-7	Bq/kg	4	3	< 11.03 (7.35 - 16.21)	1	39.46
2024	Freshwater mussels	ANDENNE (GIVES)	Co-57	Bq/kg	4	4	< 0.6658 (0.44 - 1.109)	0	
2024	Freshwater mussels	ANDENNE (GIVES)	Co-58	Bq/kg	4	4	< 1.116 (0.8012 - 1.809)	0	
2024	Freshwater mussels	ANDENNE (GIVES)	Co-60	Bq/kg	4	4	< 0.9552 (0.699 - 1.611)	0	
2024	Freshwater mussels	ANDENNE (GIVES)	Cs-134	Bq/kg	4	4	< 1.045 (0.6382 - 1.901)	0	
2024	Freshwater mussels	ANDENNE (GIVES)	Cs-137	Bq/kg	4	4	< 0.9007 (0.6269 - 1.546)	0	
2024	Freshwater mussels	ANDENNE (GIVES)	H-3	Bq/kg	4	3	< 14.39 (10.76 - 20.23)	1	21.36
2024	Freshwater mussels	ANDENNE (GIVES)	I-131	Bq/kg	4	4	< 21.87 (14.74 - 36.92)	0	
2024	Freshwater mussels	ANDENNE (GIVES)	K-40	Bq/kg	4	2	< 16.85 (12.76 - 20.94)	2	60.54 (22.55 - 98.53)
2024	Freshwater mussels	ANDENNE (GIVES)	Mn-54	Bq/kg	4	4	< 0.8711 (0.5961 - 1.43)	0	
2024	Freshwater mussels	ANDENNE (GIVES)	Nb-95	Bq/kg	4	4	< 1.809 (1.227 - 2.944)	0	
2024	Freshwater mussels	ANDENNE (GIVES)	Ra-226	Bq/kg	4	1	< 1.35	3	10.11 (6.446 - 17.14)
2024	Freshwater mussels	ANDENNE (GIVES)	Ra-228	Bq/kg	4	3	< 3.887 (2.602 - 5.752)	1	11.34
2024	Freshwater mussels	ANDENNE (GIVES)	Th-228	Bq/kg	4	2	< 1.689 (1.052 - 2.326)	2	7.1 (3.442 - 10.76)
2024	Freshwater mussels	ANDENNE (GIVES)	Zn-65	Bq/kg	4	4	< 2.284 (1.709 - 3.525)	0	
2024	Freshwater mussels	VISE (LIXHE)	Ag-110m	Bq/kg	4	4	< 1.065 (0.7948 - 1.663)	0	
2024	Freshwater mussels	VISE (LIXHE)	Be-7	Bq/kg	4	2	< 12.08 (7.78 - 16.39)	2	9.268 (8.029 - 10.51)
2024	Freshwater mussels	VISE (LIXHE)	Co-57	Bq/kg	4	4	< 0.6432 (0.4588 - 1.019)	0	
2024	Freshwater mussels	VISE (LIXHE)	Co-58	Bq/kg	4	4	< 1.105 (0.732 - 1.757)	0	
2024	Freshwater mussels	VISE (LIXHE)	Co-60	Bq/kg	4	4	< 0.8737 (0.595 - 1.411)	0	
2024	Freshwater mussels	VISE (LIXHE)	Cs-134	Bq/kg	4	4	< 0.9386 (0.7 - 1.584)	0	
2024	Freshwater mussels	VISE (LIXHE)	Cs-137	Bq/kg	4	4	< 0.7431 (0.4831 - 1.303)	0	
2024	Freshwater mussels	VISE (LIXHE)	H-3	Bq/kg	4	3	< 15.12 (11.94 - 19.26)	1	19.84
2024	Freshwater mussels	VISE (LIXHE)	I-131	Bq/kg	4	4	< 22.08 (13.72 - 35.74)	0	
2024	Freshwater mussels	VISE (LIXHE)	K-40	Bq/kg	4	1	< 19.19	3	18.61 (9.425 - 32.26)
2024	Freshwater mussels	VISE (LIXHE)	Mn-54	Bq/kg	4	4	< 0.8328 (0.5489 - 1.377)	0	
2024	Freshwater mussels	VISE (LIXHE)	Nb-95	Bq/kg	4	4	< 1.744 (1.164 - 2.785)	0	
2024	Freshwater mussels	VISE (LIXHE)	Ra-226	Bq/kg	4	0		4	8.549 (7.152 - 11.2)
2024	Freshwater mussels	VISE (LIXHE)	Ra-228	Bq/kg	4	3	< 3.81 (2.59 - 5.29)	1	2.358
2024	Freshwater mussels	VISE (LIXHE)	Th-228	Bq/kg	4	1	< 1.898	3	2.467 (1.819 - 3.234)
2024	Freshwater mussels	VISE (LIXHE)	Zn-65	Bq/kg	4	4	< 2.156 (1.458 - 3.41)	0	
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Purging steam generators)	Ag-110m	Bq/l	13	12	< 1.26 (0.7269 - 1.472)	1	10.46
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Purging steam generators)	Be-7	Bq/l	13	13	< 11.73 (6.723 - 16.04)	0	
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Purging steam generators)	Ce-141	Bq/l	13	13	< 2.499 (1.072 - 4.164)	0	
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Purging steam generators)	Ce-144	Bq/l	13	13	< 6.572 (2.48 - 8.078)	0	
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Purging steam generators)	Co-57	Bq/l	13	13	< 0.7946 (0.2945 - 0.9713)	0	
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Purging steam generators)	Co-58	Bq/l	13	12	< 1.22 (0.7065 - 1.634)	1	7.142
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Purging steam generators)	Co-60	Bq/l	13	12	< 1.107 (0.6678 - 1.244)	1	1.859
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Purging steam generators)	Cr-51	Bq/l	13	13	< 15.94 (7.811 - 27.94)	0	
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Purging steam generators)	Cs-134	Bq/l	13	13	< 1.279 (0.5789 - 1.722)	0	
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Purging steam generators)	Cs-137	Bq/l	13	13	< 1.094 (0.5847 - 1.566)	0	
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Purging steam generators)	Fe-59	Bq/l	13	13	< 2.759 (1.62 - 3.98)	0	
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Purging steam generators)	H-3	Bq/l	13	3	< 217.7 (3.962 - 326.2)	10	3873 (11.44 - 25870)
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Purging steam generators)	I-131	Bq/l	13	13	< 20.22 (2.681 - 66.49)	0	

2024	Wastewater (NPP-TIHANGE)	TIHANGE (Purging steam generators)	Mn-54	Bq/l	13	13	< 1.064 (0.5874 - 1.414)	0	
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Purging steam generators)	Nb-95	Bq/l	13	13	< 1.772 (0.9637 - 2.801)	0	
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Purging steam generators)	Ru-103	Bq/l	13	13	< 1.597 (0.9192 - 2.463)	0	
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Purging steam generators)	Ru-106	Bq/l	13	13	< 9.725 (5.499 - 13.36)	0	
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Purging steam generators)	Sb-124	Bq/l	13	13	< 1.636 (0.8172 - 2.284)	0	
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Purging steam generators)	Sb-125	Bq/l	13	13	< 3.147 (1.667 - 4.266)	0	
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Purging steam generators)	Sn-113	Bq/l	13	13	< 1.498 (0.7936 - 1.836)	0	
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Purging steam generators)	Te-123m	Bq/l	13	13	< 0.9419 (0.3803 - 1.16)	0	
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Purging steam generators)	Zn-65	Bq/l	13	13	< 2.422 (1.351 - 3.158)	0	
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Purging steam generators)	Zr-95	Bq/l	13	13	< 2.401 (1.284 - 3.367)	0	
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Primary effluents)	Ag-108m	Bq/l	14	10	< 1.509 (1.079 - 1.816)	4	1.991 (1.517 - 2.386)
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Primary effluents)	Ag-110m	Bq/l	14	1	< 2.221	13	17.46 (3.112 - 34.25)
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Primary effluents)	Be-7	Bq/l	14	14	< 16.53 (11.45 - 28.73)	0	
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Primary effluents)	Ce-141	Bq/l	14	14	< 3.211 (2.039 - 7.784)	0	
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Primary effluents)	Ce-144	Bq/l	14	14	< 8.317 (6.438 - 11.67)	0	
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Primary effluents)	Co-57	Bq/l	14	14	< 1.013 (0.8075 - 1.408)	0	
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Primary effluents)	Co-58	Bq/l	14	0		14	16.4 (1.301 - 46.66)
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Primary effluents)	Co-60	Bq/l	14	0		14	97.31 (13.46 - 814.4)
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Primary effluents)	Cr-51	Bq/l	14	14	< 20.7 (12.09 - 54.37)	0	
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Primary effluents)	Cs-134	Bq/l	14	14	< 1.791 (1.517 - 3.073)	0	
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Primary effluents)	Cs-137	Bq/l	14	0		14	9.876 (1.929 - 55.93)
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Primary effluents)	Fe-59	Bq/l	14	14	< 4.23 (2.503 - 8.066)	0	
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Primary effluents)	H-3	Bq/l	14	0		14	2510000 (37000 - 5999000)
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Primary effluents)	I-131	Bq/l	14	14	< 15.46 (2.966 - 76.86)	0	
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Primary effluents)	Mn-54	Bq/l	14	1	< 1.265	13	3.897 (0.9919 - 23.39)
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Primary effluents)	Nb-95	Bq/l	14	8	< 2.398 (1.42 - 4.468)	6	5.921 (3.124 - 8.686)
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Primary effluents)	Ru-103	Bq/l	14	14	< 2.243 (1.415 - 4.541)	0	
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Primary effluents)	Ru-106	Bq/l	14	14	< 14.45 (11.59 - 27.62)	0	
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Primary effluents)	Sb-124	Bq/l	14	4	< 2.554 (1.746 - 3.636)	10	4.531 (2.012 - 8.227)
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Primary effluents)	Sb-125	Bq/l	14	11	< 4.832 (3.767 - 8.074)	3	13.04 (6.21 - 17.21)
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Primary effluents)	Sn-113	Bq/l	14	14	< 2.056 (1.641 - 3.288)	0	
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Primary effluents)	Te-123m	Bq/l	14	9	< 1.158 (0.9268 - 1.65)	5	4.709 (1.033 - 9.067)
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Primary effluents)	Zn-65	Bq/l	14	14	< 3.561 (2.591 - 8.056)	0	
2024	Wastewater (NPP-TIHANGE)	TIHANGE (Primary effluents)	Zr-95	Bq/l	14	14	< 3.752 (2.355 - 6.791)	0	

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

Values are expressed in Bq/kg dry matter, Bq/m² or Bq/m³ (DL: detection limit).

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2024	Outdoor air	FLEURUS	Be-7	Bq/m³	13	1	< 0.0003803	12	0.001909 (0.0009134 - 0.002798)
2024	Outdoor air	FLEURUS	Ce-141	Bq/m³	13	13	< 4.942e-05 (3.6e-05 - 0.0001109)	0	
2024	Outdoor air	FLEURUS	Ce-144	Bq/m³	13	13	< 0.000117 (9.81e-05 - 0.0002866)	0	
2024	Outdoor air	FLEURUS	Cs-134	Bq/m³	13	13	< 2.992e-05 (2.63e-05 - 5.11e-05)	0	
2024	Outdoor air	FLEURUS	Cs-137	Bq/m³	13	13	< 2.292e-05 (1.98e-05 - 3.78e-05)	0	
2024	Outdoor air	FLEURUS	I-131	Bq/m³	13	13	< 0.0003342 (0.0001323 - 0.001792)	0	
2024	Outdoor air	FLEURUS	K-40	Bq/m³	13	3	< 0.0003536 (0.0003177 - 0.0004139)	10	0.002079 (0.0004144 - 0.01628)
2024	Outdoor air	FLEURUS	Nb-95	Bq/m³	13	13	< 4.209e-05 (3.3e-05 - 6.84e-05)	0	
2024	Outdoor air	FLEURUS	Ru-103	Bq/m³	13	13	< 3.239e-05 (2.58e-05 - 5.19e-05)	0	
2024	Outdoor air	FLEURUS	Ru-106	Bq/m³	13	13	< 0.0001988 (0.0001793 - 0.0003169)	0	
2024	Outdoor air	FLEURUS	T-Beta	Bq/m³	360	136	< 0.0001551 (0.0001427 - 0.0002552)	224	0.0004092 (0.0001485 - 0.004148)
2024	Outdoor air	FLEURUS	Zr-95	Bq/m³	13	13	< 5.502e-05 (4.86e-05 - 8.51e-05)	0	
2024	Total deposition filtered	FLEURUS	Be-7	Bq/m²	13	8	< 16.48 (12.25 - 18.61)	5	22.99 (15.54 - 33.5)
2024	Total deposition filtered	FLEURUS	Ce-141	Bq/m²	13	13	< 3.457 (3.02 - 4.64)	0	
2024	Total deposition filtered	FLEURUS	Ce-144	Bq/m²	13	13	< 10.23 (8.954 - 11.29)	0	
2024	Total deposition filtered	FLEURUS	Cs-134	Bq/m²	13	13	< 1.502 (1.39 - 1.58)	0	
2024	Total deposition filtered	FLEURUS	Cs-137	Bq/m²	13	13	< 1.579 (1.243 - 1.775)	0	
2024	Total deposition filtered	FLEURUS	H-3	Bq/m²	13	11	< 187.9 (102 - 435.8)	2	151.8 (143.6 - 160)
2024	Total deposition filtered	FLEURUS	I-131	Bq/m²	13	13	< 8.178 (5.027 - 18.87)	0	
2024	Total deposition filtered	FLEURUS	K-40	Bq/m²	13	0		13	1.509 (0.2739 - 5.834)
2024	Total deposition filtered	FLEURUS	Nb-95	Bq/m²	13	13	< 2.258 (1.731 - 2.667)	0	
2024	Total deposition filtered	FLEURUS	R-Beta	Bq/l	13	0		13	0.02665 (0.01585 - 0.04757)
2024	Total deposition filtered	FLEURUS	Ru-103	Bq/m²	13	13	< 2.11 (1.644 - 2.372)	0	
2024	Total deposition filtered	FLEURUS	Ru-106	Bq/m²	13	13	< 13.59 (11.32 - 15.55)	0	
2024	Total deposition filtered	FLEURUS	T-Alfa	Bq/m²	13	0		13	0.4075 (0.1758 - 0.6249)
2024	Total deposition filtered	FLEURUS	T-Beta	Bq/m²	13	0		13	3.515 (2.091 - 7.71)
2024	Total deposition filtered	FLEURUS	Zr-95	Bq/m²	13	13	< 3.336 (2.565 - 4.032)	0	
2024	Total deposition residue	FLEURUS	Be-7	Bq/m²	13	2	< 6.194 (5.179 - 7.209)	11	20.31 (7.862 - 44.01)
2024	Total deposition residue	FLEURUS	Ce-141	Bq/m²	13	13	< 1.212 (0.7125 - 2.155)	0	
2024	Total deposition residue	FLEURUS	Ce-144	Bq/m²	13	13	< 3.278 (1.9 - 5.631)	0	
2024	Total deposition residue	FLEURUS	Cs-134	Bq/m²	13	13	< 0.669 (0.3993 - 1.196)	0	
2024	Total deposition residue	FLEURUS	Cs-137	Bq/m²	13	13	< 0.6707 (0.4094 - 1.268)	0	
2024	Total deposition residue	FLEURUS	I-131	Bq/m²	13	13	< 3.33 (1.849 - 6.848)	0	
2024	Total deposition residue	FLEURUS	K-40	Bq/m²	13	13	< 9.389 (5.535 - 16.7)	0	
2024	Total deposition residue	FLEURUS	Nb-95	Bq/m²	13	13	< 0.9093 (0.5364 - 1.73)	0	
2024	Total deposition residue	FLEURUS	Ru-103	Bq/m²	13	13	< 0.8294 (0.5051 - 1.493)	0	
2024	Total deposition residue	FLEURUS	Ru-106	Bq/m²	13	13	< 5.722 (3.371 - 10.58)	0	
2024	Total deposition residue	FLEURUS	T-Alfa	Bq/m²	13	0		13	0.5485 (0.3005 - 1.225)
2024	Total deposition residue	FLEURUS	T-Beta	Bq/m²	13	0		13	3.436 (1.554 - 7.792)
2024	Total deposition residue	FLEURUS	Zr-95	Bq/m²	13	13	< 1.298 (0.7756 - 2.218)	0	
2024	Topsoil and grass	FLEURUS	Ag-110m	Bq/kg	1	1	< 1.519	0	
2024	Topsoil and grass	FLEURUS	Be-7	Bq/kg	1	1	< 13.05	0	
2024	Topsoil and grass	FLEURUS	Co-57	Bq/kg	1	1	< 0.7361	0	
2024	Topsoil and grass	FLEURUS	Co-58	Bq/kg	1	1	< 1.498	0	
2024	Topsoil and grass	FLEURUS	Co-60	Bq/kg	1	1	< 1.202	0	
2024	Topsoil and grass	FLEURUS	Cs-134	Bq/kg	1	1	< 1.08	0	
2024	Topsoil and grass	FLEURUS	Cs-137	Bq/kg	1	0		1	3.289
2024	Topsoil and grass	FLEURUS	I-131	Bq/kg	1	1	< 23.58	0	
2024	Topsoil and grass	FLEURUS	K-40	Bq/kg	1	0		1	438.7
2024	Topsoil and grass	FLEURUS	Mn-54	Bq/kg	1	1	< 1.248	0	
2024	Topsoil and grass	FLEURUS	Ra-226	Bq/kg	1	0		1	37.38
2024	Topsoil and grass	FLEURUS	Ra-228	Bq/kg	1	0		1	37.44
2024	Topsoil and grass	FLEURUS	Ru-106	Bq/kg	1	1	< 9.513	0	
2024	Topsoil and grass	FLEURUS	Sb-125	Bq/kg	1	1	< 2.882	0	
2024	Topsoil and grass	FLEURUS	Th-228	Bq/kg	1	0		1	42.07

2024	Topsoil and grass	FLEURUS	Zn-65	Bq/kg	1	1	< 3.454	0	
2024	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Ag-110m	Bq/kg	4	4	< 3.776 (3.012 - 4.214)	0	
2024	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Be-7	Bq/kg	4	0		4	175.5 (131.6 - 223.5)
2024	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Co-57	Bq/kg	4	4	< 1.561 (1.211 - 2.074)	0	
2024	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Co-58	Bq/kg	4	4	< 3.884 (3.228 - 4.331)	0	
2024	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Co-60	Bq/kg	4	4	< 3.219 (2.743 - 3.53)	0	
2024	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Cs-134	Bq/kg	4	4	< 2.829 (2.11 - 3.747)	0	
2024	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Cs-137	Bq/kg	4	2	< 3.08 (2.923 - 3.236)	2	3.889 (3.74 - 4.038)
2024	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	H-3	Bq/kg	4	2	< 19.68 (19.41 - 19.94)	2	17.86 (13.6 - 22.12)
2024	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	I-131	Bq/kg	4	4	< 83.31 (58.36 - 129.4)	0	
2024	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	K-40	Bq/kg	4	0		4	394.4 (289 - 473.9)
2024	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Mn-54	Bq/kg	4	4	< 3.024 (2.389 - 3.492)	0	
2024	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Nb-95	Bq/kg	4	4	< 6.53 (5.03 - 7.49)	0	
2024	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Ra-226	Bq/kg	4	0		4	45.81 (21.89 - 66.97)
2024	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Ra-228	Bq/kg	4	1	< 10.77	3	40.1 (26.57 - 51.26)
2024	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Th-228	Bq/kg	4	0		4	32.21 (14.33 - 45.36)
2024	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Zn-65	Bq/kg	4	4	< 8.286 (6.799 - 9.328)	0	
2024	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Ag-110m	Bq/kg	4	4	< 4.755 (2.241 - 8.338)	0	
2024	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Be-7	Bq/kg	4	1	< 24.37	3	133.8 (69.64 - 201.5)
2024	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Co-57	Bq/kg	4	4	< 1.808 (0.9717 - 3.084)	0	
2024	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Co-58	Bq/kg	4	4	< 5.633 (2.801 - 10.23)	0	
2024	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Co-60	Bq/kg	4	4	< 4.979 (2.105 - 9.075)	0	
2024	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Cs-134	Bq/kg	4	4	< 3.686 (1.906 - 6.448)	0	
2024	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Cs-137	Bq/kg	4	4	< 3.947 (1.907 - 6.798)	0	
2024	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	H-3	Bq/kg	4	3	< 16.54 (10.72 - 22.12)	1	20.72
2024	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	I-131	Bq/kg	4	4	< 85.43 (65.85 - 128)	0	
2024	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	K-40	Bq/kg	4	1	< 36.4	3	815.9 (365.5 - 1264)
2024	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Mn-54	Bq/kg	4	4	< 4.085 (2.063 - 7.044)	0	
2024	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Nb-95	Bq/kg	4	4	< 8.138 (4.304 - 14.35)	0	
2024	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Ra-226	Bq/kg	4	4	< 6.961 (3.923 - 13.1)	0	
2024	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Ra-228	Bq/kg	4	4	< 16.51 (8.29 - 29.55)	0	
2024	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Th-228	Bq/kg	4	4	< 5.98 (3.195 - 10.61)	0	
2024	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Zn-65	Bq/kg	4	4	< 10.91 (5.24 - 19.73)	0	

Table S3. Radioactivity measurements on Belgian territory near the French nuclear site at Chooz: atmosphere, soil, the Meuse River (water, sediments, fauna and flora), and agricultural crop production.

Values are expressed in Bq/kg dry matter, Bq/liter, Bq/m² or Bq/m³, 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)
2024	Total deposition filtered	HEER-AGIMONT	Be-7	Bq/m²	13	6	< 16.31 (9.734 - 19.46)	7	33.62 (20.13 - 52.98)
2024	Total deposition filtered	HEER-AGIMONT	Ce-141	Bq/m²	13	13	< 3.527 (2.995 - 4.763)	0	
2024	Total deposition filtered	HEER-AGIMONT	Ce-144	Bq/m²	13	13	< 10.31 (9.23 - 11.64)	0	
2024	Total deposition filtered	HEER-AGIMONT	Cs-134	Bq/m²	13	13	< 1.499 (1.312 - 1.586)	0	
2024	Total deposition filtered	HEER-AGIMONT	Cs-137	Bq/m²	13	13	< 1.607 (1.272 - 1.791)	0	
2024	Total deposition filtered	HEER-AGIMONT	H-3	Bq/m²	13	11	< 217.4 (116.6 - 398.7)	2	132.9 (94.6 - 171.2)
2024	Total deposition filtered	HEER-AGIMONT	I-131	Bq/m²	13	13	< 8.362 (5.066 - 19.68)	0	
2024	Total deposition filtered	HEER-AGIMONT	K-40	Bq/m²	13	0		13	0.8681 (0.1114 - 2.189)
2024	Total deposition filtered	HEER-AGIMONT	Nb-95	Bq/m²	13	13	< 2.287 (1.801 - 2.564)	0	
2024	Total deposition filtered	HEER-AGIMONT	R-Beta	Bq/l	13	0		13	0.02521 (0.01589 - 0.03359)
2024	Total deposition filtered	HEER-AGIMONT	Ru-103	Bq/m²	13	13	< 2.126 (1.632 - 2.445)	0	
2024	Total deposition filtered	HEER-AGIMONT	Ru-106	Bq/m²	13	13	< 13.39 (10.98 - 15.06)	0	
2024	Total deposition filtered	HEER-AGIMONT	T-Alfa	Bq/m²	13	1	< 0.1539	12	0.2834 (0.04976 - 1.056)
2024	Total deposition filtered	HEER-AGIMONT	T-Beta	Bq/m²	13	0		13	3.215 (1.394 - 5.233)
2024	Total deposition filtered	HEER-AGIMONT	Zr-95	Bq/m²	13	13	< 3.372 (2.542 - 3.858)	0	
2024	Total deposition residue	HEER-AGIMONT	Be-7	Bq/m²	13	2	< 6.36 (5.276 - 7.445)	11	16.54 (5.663 - 31.87)
2024	Total deposition residue	HEER-AGIMONT	Ce-141	Bq/m²	13	13	< 1.333 (0.7435 - 1.83)	0	
2024	Total deposition residue	HEER-AGIMONT	Ce-144	Bq/m²	13	13	< 3.426 (1.959 - 4.374)	0	
2024	Total deposition residue	HEER-AGIMONT	Cs-134	Bq/m²	13	13	< 0.6915 (0.3982 - 0.9045)	0	
2024	Total deposition residue	HEER-AGIMONT	Cs-137	Bq/m²	13	13	< 0.6922 (0.3853 - 0.8756)	0	
2024	Total deposition residue	HEER-AGIMONT	I-131	Bq/m²	13	13	< 4.295 (2.159 - 6.72)	0	
2024	Total deposition residue	HEER-AGIMONT	K-40	Bq/m²	13	13	< 9.786 (5.986 - 13.05)	0	
2024	Total deposition residue	HEER-AGIMONT	Nb-95	Bq/m²	13	13	< 0.9716 (0.5701 - 1.332)	0	
2024	Total deposition residue	HEER-AGIMONT	Ru-103	Bq/m²	13	13	< 0.9061 (0.5067 - 1.236)	0	
2024	Total deposition residue	HEER-AGIMONT	Ru-106	Bq/m²	13	13	< 6.018 (3.546 - 7.953)	0	
2024	Total deposition residue	HEER-AGIMONT	T-Alfa	Bq/m²	13	0		13	0.6559 (0.2228 - 1.132)
2024	Total deposition residue	HEER-AGIMONT	T-Beta	Bq/m²	13	0		13	2.947 (1.299 - 4.587)
2024	Total deposition residue	HEER-AGIMONT	Zr-95	Bq/m²	13	13	< 1.364 (0.7993 - 1.821)	0	
2024	Topsoil and grass	CHOOZ	Ag-110m	Bq/kg	12	12	< 1.922 (1.669 - 2.158)	0	
2024	Topsoil and grass	CHOOZ	Am-241	Bq/kg	4	4	< 1.538 (0.8265 - 3.134)	0	
2024	Topsoil and grass	CHOOZ	Be-7	Bq/kg	12	12	< 20.88 (15.43 - 26.45)	0	
2024	Topsoil and grass	CHOOZ	Co-57	Bq/kg	12	12	< 0.9351 (0.8073 - 1.069)	0	
2024	Topsoil and grass	CHOOZ	Co-58	Bq/kg	12	12	< 2.077 (1.589 - 2.602)	0	
2024	Topsoil and grass	CHOOZ	Co-60	Bq/kg	12	12	< 1.253 (0.9898 - 1.517)	0	
2024	Topsoil and grass	CHOOZ	Cs-134	Bq/kg	12	12	< 1.351 (1.205 - 1.664)	0	
2024	Topsoil and grass	CHOOZ	Cs-137	Bq/kg	12	0		12	5.517 (2.084 - 20.38)
2024	Topsoil and grass	CHOOZ	I-131	Bq/kg	12	12	< 427.3 (144.5 - 830.5)	0	
2024	Topsoil and grass	CHOOZ	K-40	Bq/kg	12	0		12	551.4 (425.9 - 771.8)
2024	Topsoil and grass	CHOOZ	Mn-54	Bq/kg	12	12	< 1.351 (1.122 - 1.643)	0	
2024	Topsoil and grass	CHOOZ	Pu(239+240)	Bq/kg	4	1	< 0.4181	3	0.6174 (0.5486 - 0.7293)
2024	Topsoil and grass	CHOOZ	Pu-238	Bq/kg	4	4	< 0.6499 (0.5736 - 0.7457)	0	
2024	Topsoil and grass	CHOOZ	Ra-226	Bq/kg	12	0		12	40.68 (31.42 - 51.78)
2024	Topsoil and grass	CHOOZ	Ra-228	Bq/kg	12	0		12	38.77 (30.05 - 43.89)
2024	Topsoil and grass	CHOOZ	Ru-106	Bq/kg	12	12	< 10.55 (9.018 - 12.07)	0	
2024	Topsoil and grass	CHOOZ	Sb-125	Bq/kg	12	12	< 3.254 (2.88 - 3.6)	0	
2024	Topsoil and grass	CHOOZ	Sr-90	Bq/kg	12	12	< 3.554 (1.759 - 5.328)	0	
2024	Topsoil and grass	CHOOZ	Th-228	Bq/kg	16	0		16	44.9 (29.1 - 68.54)
2024	Topsoil and grass	CHOOZ	Th-230	Bq/kg	4	0		4	35.42 (22.82 - 43.63)
2024	Topsoil and grass	CHOOZ	Th-232	Bq/kg	4	0		4	37.94 (26.6 - 53.61)
2024	Topsoil and grass	CHOOZ	U-234	Bq/kg	4	0		4	37.26 (25.43 - 59.44)
2024	Topsoil and grass	CHOOZ	U-235	Bq/kg	4	2	< 2.426 (0.8999 - 3.953)	2	1.95 (1.931 - 1.969)
2024	Topsoil and grass	CHOOZ	U-238	Bq/kg	4	0		4	35.68 (26.69 - 55.5)
2024	Topsoil and grass	CHOOZ	Zn-65	Bq/kg	12	12	< 4.016 (3.472 - 4.54)	0	
2024	Topsoil and grass	HEER-AGIMONT	Ag-110m	Bq/kg	1	1	< 1.59	0	
2024	Topsoil and grass	HEER-AGIMONT	Be-7	Bq/kg	1	1	< 12.26	0	

2024	Topsoil and grass	HEER-AGIMONT	Co-57	Bq/kg	1	1	< 0.6848	0	
2024	Topsoil and grass	HEER-AGIMONT	Co-58	Bq/kg	1	1	< 1.343	0	
2024	Topsoil and grass	HEER-AGIMONT	Co-60	Bq/kg	1	1	< 1.084	0	
2024	Topsoil and grass	HEER-AGIMONT	Cs-134	Bq/kg	1	1	< 0.9659	0	
2024	Topsoil and grass	HEER-AGIMONT	Cs-137	Bq/kg	1	0		1	5.981
2024	Topsoil and grass	HEER-AGIMONT	I-131	Bq/kg	1	1	< 24.05	0	
2024	Topsoil and grass	HEER-AGIMONT	K-40	Bq/kg	1	0		1	400.9
2024	Topsoil and grass	HEER-AGIMONT	Mn-54	Bq/kg	1	1	< 1.061	0	
2024	Topsoil and grass	HEER-AGIMONT	Ra-226	Bq/kg	1	0		1	27.9
2024	Topsoil and grass	HEER-AGIMONT	Ra-228	Bq/kg	1	0		1	31.06
2024	Topsoil and grass	HEER-AGIMONT	Ru-106	Bq/kg	1	1	< 8.082	0	
2024	Topsoil and grass	HEER-AGIMONT	Sb-125	Bq/kg	1	1	< 2.622	0	
2024	Topsoil and grass	HEER-AGIMONT	Th-228	Bq/kg	1	0		1	34.45
2024	Topsoil and grass	HEER-AGIMONT	Zn-65	Bq/kg	1	1	< 3.026	0	
2024	Agricultural products around Chooz	CHOOZ	Ag-110m	Bq/kg	12	12	< 4.466 (1.938 - 5.824)	0	
2024	Agricultural products around Chooz	CHOOZ	Be-7	Bq/kg	12	4	< 48.93 (23.83 - 59.48)	8	161.2 (59.76 - 392.3)
2024	Agricultural products around Chooz	CHOOZ	C-14	Bq/g of stable carbon	12	0		12	0.3216 (0.2279 - 0.5816)
2024	Agricultural products around Chooz	CHOOZ	Co-57	Bq/kg	12	12	< 1.776 (0.8394 - 2.278)	0	
2024	Agricultural products around Chooz	CHOOZ	Co-58	Bq/kg	12	12	< 6.142 (2.792 - 7.903)	0	
2024	Agricultural products around Chooz	CHOOZ	Co-60	Bq/kg	12	12	< 3.986 (1.671 - 5.416)	0	
2024	Agricultural products around Chooz	CHOOZ	Cs-134	Bq/kg	12	12	< 3.238 (1.532 - 4.086)	0	
2024	Agricultural products around Chooz	CHOOZ	Cs-137	Bq/kg	12	11	< 3.306 (1.644 - 4.927)	1	4.906
2024	Agricultural products around Chooz	CHOOZ	H-3	Bq/kg	12	12	< 18.86 (13.77 - 23.24)	0	
2024	Agricultural products around Chooz	CHOOZ	I-131	Bq/kg	12	12	< 992.7 (271.3 - 1703)	0	
2024	Agricultural products around Chooz	CHOOZ	K-40	Bq/kg	12	0		12	459.6 (119.1 - 774.5)
2024	Agricultural products around Chooz	CHOOZ	Mn-54	Bq/kg	12	12	< 3.769 (1.67 - 5.017)	0	
2024	Agricultural products around Chooz	CHOOZ	Ra-226	Bq/kg	12	8	< 6.26 (3.031 - 8.857)	4	6.382 (5.032 - 7.075)
2024	Agricultural products around Chooz	CHOOZ	Ra-228	Bq/kg	12	12	< 14.49 (6.436 - 20.11)	0	
2024	Agricultural products around Chooz	CHOOZ	Ru-106	Bq/kg	12	12	< 29.89 (13.44 - 39.69)	0	
2024	Agricultural products around Chooz	CHOOZ	Sb-125	Bq/kg	12	12	< 8.46 (3.723 - 11.51)	0	
2024	Agricultural products around Chooz	CHOOZ	Sr-90	Bq/kg	12	8	< 0.4455 (0.1077 - 1.073)	4	0.5184 (0.3694 - 0.7316)
2024	Agricultural products around Chooz	CHOOZ	Th-228	Bq/kg	12	12	< 5.693 (2.51 - 7.537)	0	
2024	Agricultural products around Chooz	CHOOZ	Zn-65	Bq/kg	12	12	< 9.84 (4.467 - 12.7)	0	
2024	River water	HEER-AGIMONT	Be-7	Bq/l	26	26	< 1.439 (1.222 - 1.872)	0	
2024	River water	HEER-AGIMONT	Ce-141	Bq/l	26	26	< 0.3039 (0.2585 - 0.3731)	0	
2024	River water	HEER-AGIMONT	Ce-144	Bq/l	26	26	< 1.056 (0.9162 - 1.208)	0	
2024	River water	HEER-AGIMONT	Cs-134	Bq/l	26	26	< 0.1539 (0.1345 - 0.1705)	0	
2024	River water	HEER-AGIMONT	Cs-137	Bq/l	26	26	< 0.159 (0.1312 - 0.1897)	0	
2024	River water	HEER-AGIMONT	H-3	Bq/l	26	10	< 2.554 (1.149 - 3.452)	16	10.77 (3.778 - 25.04)
2024	River water	HEER-AGIMONT	I-131	Bq/l	26	26	< 0.4553 (0.2954 - 1.228)	0	
2024	River water	HEER-AGIMONT	K-40	Bq/l	26	0		26	0.05937 (0.02207 - 0.08323)
2024	River water	HEER-AGIMONT	Nb-95	Bq/l	26	26	< 0.1932 (0.1532 - 0.2779)	0	
2024	River water	HEER-AGIMONT	R-Beta	Bq/l	26	20	< 0.04001 (0.01926 - 0.04493)	6	0.04609 (0.04115 - 0.05261)
2024	River water	HEER-AGIMONT	Ru-103	Bq/l	26	26	< 0.1812 (0.1465 - 0.2497)	0	
2024	River water	HEER-AGIMONT	Ru-106	Bq/l	26	26	< 1.325 (1.148 - 1.505)	0	
2024	River water	HEER-AGIMONT	T-Alfa	Bq/l	26	18	< 0.02668 (0.02022 - 0.03533)	8	0.03731 (0.0277 - 0.06911)
2024	River water	HEER-AGIMONT	T-Beta	Bq/l	26	1	< 0.01926	25	0.08364 (0.04523 - 0.1283)
2024	River water	HEER-AGIMONT	Zr-95	Bq/l	26	26	< 0.3016 (0.2387 - 0.3916)	0	
2024	River sediments	HEER-AGIMONT	Ag-110m	Bq/kg	13	13	< 4.032 (2.306 - 5.025)	0	
2024	River sediments	HEER-AGIMONT	Be-7	Bq/kg	13	0		13	209.9 (113.9 - 352.9)
2024	River sediments	HEER-AGIMONT	Co-57	Bq/kg	13	13	< 1.568 (0.9539 - 2.216)	0	
2024	River sediments	HEER-AGIMONT	Co-58	Bq/kg	13	13	< 4.222 (2.432 - 6.39)	0	
2024	River sediments	HEER-AGIMONT	Co-60	Bq/kg	13	13	< 3.04 (1.711 - 4.159)	0	
2024	River sediments	HEER-AGIMONT	Cs-134	Bq/kg	13	13	< 2.848 (1.5 - 3.881)	0	
2024	River sediments	HEER-AGIMONT	Cs-137	Bq/kg	13	0		13	6.013 (4.416 - 8.679)
2024	River sediments	HEER-AGIMONT	I-131	Bq/kg	13	13	< 185.6 (91.11 - 244.6)	0	
2024	River sediments	HEER-AGIMONT	K-40	Bq/kg	13	0		13	392.8 (277.1 - 518.1)
2024	River sediments	HEER-AGIMONT	Mn-54	Bq/kg	13	13	< 2.94 (1.709 - 4.181)	0	
2024	River sediments	HEER-AGIMONT	Nb-95	Bq/kg	13	13	< 8.045 (4.852 - 11.36)	0	

2024	River sediments	HEER-AGIMONT	Ra-226	Bq/kg	13	0		13	46.07 (28.3 - 74.8)
2024	River sediments	HEER-AGIMONT	Ra-228	Bq/kg	13	0		13	44.23 (36.04 - 48.22)
2024	River sediments	HEER-AGIMONT	Th-228	Bq/kg	13	0		13	44.4 (35.1 - 53.8)
2024	River sediments	HEER-AGIMONT	U-238	Bq/kg	13	4	< 30.85 (24.4 - 39.37)	9	51.06 (38.14 - 59.29)
2024	River sediments	HEER-AGIMONT	Zn-65	Bq/kg	13	13	< 7.864 (5.16 - 10.99)	0	
2024	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Ag-110m	Bq/kg	4	4	< 5.721 (2.274 - 11.31)	0	
2024	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Be-7	Bq/kg	4	0		4	143.6 (82.55 - 191.6)
2024	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Co-57	Bq/kg	4	4	< 2.039 (0.9114 - 3.841)	0	
2024	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Co-58	Bq/kg	4	4	< 6.076 (2.325 - 12.02)	0	
2024	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Co-60	Bq/kg	4	4	< 5.33 (1.941 - 11.11)	0	
2024	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Cs-134	Bq/kg	4	4	< 4.123 (1.619 - 8.297)	0	
2024	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Cs-137	Bq/kg	4	2	< 4.848 (2.578 - 7.117)	2	3.062 (2.409 - 3.716)
2024	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	H-3	Bq/kg	4	3	< 16.66 (10.67 - 20.77)	1	13.85
2024	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	I-131	Bq/kg	4	4	< 115.8 (48.51 - 172.3)	0	
2024	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	K-40	Bq/kg	4	0		4	422.6 (330.3 - 562.5)
2024	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Mn-54	Bq/kg	4	4	< 4.665 (1.878 - 9.224)	0	
2024	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Nb-95	Bq/kg	4	4	< 9.798 (3.981 - 18.75)	0	
2024	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Ra-226	Bq/kg	4	0		4	36.5 (20.44 - 51.89)
2024	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Ra-228	Bq/kg	4	2	< 29.31 (17.56 - 41.06)	2	33.4 (26.2 - 40.6)
2024	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Th-228	Bq/kg	4	0		4	21.02 (7.322 - 33.13)
2024	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Zn-65	Bq/kg	4	4	< 12.08 (5.183 - 24.01)	0	
2024	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Ag-110m	Bq/kg	4	4	< 4.868 (2.758 - 8.73)	0	
2024	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Be-7	Bq/kg	4	1	< 30.84	3	176.6 (96.79 - 255.5)
2024	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Co-57	Bq/kg	4	4	< 1.814 (1.174 - 3.084)	0	
2024	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Co-58	Bq/kg	4	4	< 5.547 (3.374 - 9.622)	0	
2024	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Co-60	Bq/kg	4	4	< 4.602 (2.674 - 8.116)	0	
2024	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Cs-134	Bq/kg	4	4	< 3.652 (2.151 - 6.548)	0	
2024	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Cs-137	Bq/kg	4	4	< 3.982 (2.412 - 6.906)	0	
2024	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	H-3	Bq/kg	4	2	< 19.82 (17.41 - 22.23)	2	14.26 (10.15 - 18.36)
2024	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	I-131	Bq/kg	4	4	< 93.94 (47.71 - 124.7)	0	
2024	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	K-40	Bq/kg	4	1	< 36.53	3	571 (253.2 - 829.6)
2024	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Mn-54	Bq/kg	4	4	< 4.317 (2.56 - 7.784)	0	
2024	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Nb-95	Bq/kg	4	4	< 8.038 (4.897 - 13.25)	0	
2024	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Ra-226	Bq/kg	4	4	< 7.286 (4.457 - 12.98)	0	
2024	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Ra-228	Bq/kg	4	4	< 16.18 (10.04 - 27.78)	0	
2024	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Th-228	Bq/kg	4	4	< 5.877 (3.654 - 10.16)	0	
2024	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Zn-65	Bq/kg	4	4	< 10.93 (6.674 - 20.03)	0	

Table S4. Radioactivity measurements around the Mol-Dessel nuclear site: atmosphere, soil, the Molse Nete River (water, sediments, fauna and flora), and liquid discharges from Belgoprocess.

Values are expressed in Bq/kg dry matter, Bq/liter, Bq/m² or Bq/m³ (DL: detection limit).

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2024	Outdoor air	MOL	Be-7	Bq/m³	13	0		13	0.002087 (0.00117 - 0.0032)
2024	Outdoor air	MOL	Ce-141	Bq/m³	13	13	< 2.124e-05 (6.6e-06 - 3.69e-05)	0	
2024	Outdoor air	MOL	Ce-144	Bq/m³	13	13	< 3.446e-05 (9e-06 - 6e-05)	0	
2024	Outdoor air	MOL	Cs-134	Bq/m³	13	13	< 4.515e-06 (2e-06 - 7e-06)	0	
2024	Outdoor air	MOL	Cs-137	Bq/m³	13	13	< 4.885e-06 (2e-06 - 8e-06)	0	
2024	Outdoor air	MOL	I-131	Bq/m³	13	13	< 0.0007344 (5e-05 - 0.004)	0	
2024	Outdoor air	MOL	K-40	Bq/m³	13	13	< 7.775e-05 (3e-05 - 0.0001318)	0	
2024	Outdoor air	MOL	Nb-95	Bq/m³	13	13	< 1.309e-05 (5.3e-06 - 2.24e-05)	0	
2024	Outdoor air	MOL	Ru-103	Bq/m³	13	13	< 1.099e-05 (4e-06 - 1.84e-05)	0	
2024	Outdoor air	MOL	Ru-106	Bq/m³	13	13	< 4.297e-05 (1.9e-05 - 7e-05)	0	
2024	Outdoor air	MOL	Se-75	Bq/m³	13	13	< 7.515e-06 (2e-06 - 1.3e-05)	0	
2024	Outdoor air	MOL	T-Alfa	Bq/m³	363	105	< 5e-06 (5e-06 - 5e-06)	258	1.281e-05 (5e-06 - 6.6e-05)
2024	Outdoor air	MOL	T-Beta	Bq/m³	363	2	< 2.3e-05 (2.3e-05 - 2.3e-05)	361	0.0002525 (2.8e-05 - 0.00139)
2024	Outdoor air	MOL	Zr-95	Bq/m³	13	13	< 1.374e-05 (6.6e-06 - 2.3e-05)	0	
2024	Total deposition filtered	MOL	Be-7	Bq/m²	13	0		13	37.62 (15 - 66)
2024	Total deposition filtered	MOL	Ce-141	Bq/m²	13	13	< 2.269 (1.6 - 4)	0	
2024	Total deposition filtered	MOL	Ce-144	Bq/m²	13	13	< 5.762 (2.6 - 11)	0	
2024	Total deposition filtered	MOL	Cs-134	Bq/m²	13	13	< 0.7923 (0.5 - 1.6)	0	
2024	Total deposition filtered	MOL	Cs-137	Bq/m²	13	13	< 0.7754 (0.09 - 1.7)	0	
2024	Total deposition filtered	MOL	H-3	Bq/m²	13	9	< 676.7 (190 - 1400)	4	880 (600 - 1120)
2024	Total deposition filtered	MOL	I-131	Bq/m²	13	13	< 4.209 (0.027 - 9)	0	
2024	Total deposition filtered	MOL	K-40	Bq/m²	26	13	< 12.38 (7 - 32)	13	0.3958 (0.031 - 1.05)
2024	Total deposition filtered	MOL	Nb-95	Bq/m²	13	13	< 1.246 (0.7 - 2.6)	0	
2024	Total deposition filtered	MOL	R-Beta	Bq/m²	13	0		13	3.338 (0.31 - 4.76)
2024	Total deposition filtered	MOL	Ru-103	Bq/m²	13	13	< 1.185 (0.8 - 2.2)	0	
2024	Total deposition filtered	MOL	Ru-106	Bq/m²	13	13	< 7.692 (5 - 15)	0	
2024	Total deposition filtered	MOL	Se-75	Bq/m²	13	13	< 1.238 (0.9 - 2.2)	0	
2024	Total deposition filtered	MOL	T-Alfa	Bq/m²	13	0		13	0.8378 (0.161 - 1.6)
2024	Total deposition filtered	MOL	T-Beta	Bq/m²	13	0		13	3.734 (0.34 - 5.4)
2024	Total deposition filtered	MOL	Zr-95	Bq/m²	13	13	< 1.808 (1.1 - 4)	0	
2024	Total deposition residue	MOL	Be-7	Bq/m²	13	0		13	61.77 (12.6 - 137)
2024	Total deposition residue	MOL	Ce-141	Bq/m²	13	13	< 0.7231 (0.3 - 1.7)	0	
2024	Total deposition residue	MOL	Ce-144	Bq/m²	13	13	< 1.977 (0.9 - 4)	0	
2024	Total deposition residue	MOL	Cs-134	Bq/m²	13	13	< 0.2854 (0.19 - 0.6)	0	
2024	Total deposition residue	MOL	Cs-137	Bq/m²	13	13	< 0.3277 (0.21 - 0.8)	0	
2024	Total deposition residue	MOL	I-131	Bq/m²	13	13	< 1.962 (1 - 6)	0	
2024	Total deposition residue	MOL	K-40	Bq/m²	13	12	< 4.992 (2.9 - 12)	1	6
2024	Total deposition residue	MOL	Nb-95	Bq/m²	13	13	< 0.4662 (0.27 - 1.2)	0	
2024	Total deposition residue	MOL	Ra-226	Bq/m²	1	0		1	0.6
2024	Total deposition residue	MOL	Ru-103	Bq/m²	13	13	< 0.4246 (0.26 - 1.1)	0	
2024	Total deposition residue	MOL	Ru-106	Bq/m²	13	13	< 2.631 (1.7 - 6)	0	
2024	Total deposition residue	MOL	Se-75	Bq/m²	13	13	< 0.39 (0.19 - 0.9)	0	
2024	Total deposition residue	MOL	T-Alfa	Bq/m²	13	0		13	1.007 (0.33 - 2.02)
2024	Total deposition residue	MOL	T-Beta	Bq/m²	13	0		13	10.52 (3.5 - 20.9)
2024	Total deposition residue	MOL	Zr-95	Bq/m²	13	13	< 0.6385 (0.4 - 1.6)	0	
2024	Topsoil and grass	MOL	Ag-110m	Bq/kg	1	1	< 0.9	0	
2024	Topsoil and grass	MOL	Am-241	Bq/kg	1	1	< 0.8	0	
2024	Topsoil and grass	MOL	Be-7	Bq/kg	1	1	< 7	0	
2024	Topsoil and grass	MOL	Co-57	Bq/kg	1	1	< 0.5	0	
2024	Topsoil and grass	MOL	Co-58	Bq/kg	1	1	< 0.7	0	
2024	Topsoil and grass	MOL	Co-60	Bq/kg	1	1	< 0.6	0	
2024	Topsoil and grass	MOL	Cs-134	Bq/kg	1	1	< 0.7	0	
2024	Topsoil and grass	MOL	Cs-137	Bq/kg	1	0		1	9.5
2024	Topsoil and grass	MOL	I-131	Bq/kg	1	1	< 6	0	
2024	Topsoil and grass	MOL	K-40	Bq/kg	1	0		1	164

2024	Topsoil and grass	MOL	Mn-54	Bq/kg	1	1	< 0.6	0	
2024	Topsoil and grass	MOL	Pu(239+240)	Bq/kg	1	1	< 0.5	0	
2024	Topsoil and grass	MOL	Pu-238	Bq/kg	1	1	< 0.5	0	
2024	Topsoil and grass	MOL	Ra-226	Bq/kg	1	0		1	17.4
2024	Topsoil and grass	MOL	Ra-228	Bq/kg	1	0		1	13.6
2024	Topsoil and grass	MOL	Th-228	Bq/kg	1	0		1	12.1
2024	Topsoil and grass	MOL	U-234	Bq/kg	1	0		1	16.1
2024	Topsoil and grass	MOL	U-235	Bq/kg	1	1	< 0.5	0	
2024	Topsoil and grass	MOL	U-238	Bq/kg	1	0		1	14.9
2024	Topsoil and grass	MOL	Zn-65	Bq/kg	1	1	< 1.8	0	
2024	River water	MOL-GEEL	Am-241	Bq/l	13	3	< 0.00014 (9e-05 - 0.00023)	10	9e-04 (0.00015 - 0.0019)
2024	River water	MOL-GEEL	Be-7	Bq/l	26	26	< 1.296 (0.6 - 2)	0	
2024	River water	MOL-GEEL	Ce-141	Bq/l	26	26	< 0.2585 (0.14 - 0.4)	0	
2024	River water	MOL-GEEL	Ce-144	Bq/l	26	26	< 0.9346 (0.5 - 1.3)	0	
2024	River water	MOL-GEEL	Cs-134	Bq/l	26	26	< 0.1323 (0.06 - 0.22)	0	
2024	River water	MOL-GEEL	Cs-137	Bq/l	26	26	< 0.1488 (0.07 - 0.22)	0	
2024	River water	MOL-GEEL	H-3	Bq/l	26	6	< 7.5 (4 - 13)	20	63.12 (10 - 229)
2024	River water	MOL-GEEL	I-131	Bq/l	26	26	< 0.3692 (0.14 - 0.7)	0	
2024	River water	MOL-GEEL	K-40	Bq/l	52	25	< 2.496 (0.9 - 5)	27	0.3813 (0.095 - 3)
2024	River water	MOL-GEEL	Nb-95	Bq/l	26	26	< 0.1696 (0.08 - 0.26)	0	
2024	River water	MOL-GEEL	Pu(239+240)	Bq/l	13	9	< 0.0001367 (8e-05 - 3e-04)	4	0.0001775 (1e-04 - 0.00022)
2024	River water	MOL-GEEL	Pu-238	Bq/l	13	12	< 0.0001283 (9e-05 - 0.00018)	1	0.00022
2024	River water	MOL-GEEL	R-Beta	Bq/l	26	4	< 0.0625 (0.05 - 0.1)	22	0.1423 (0.06 - 0.25)
2024	River water	MOL-GEEL	Ru-103	Bq/l	26	26	< 0.1608 (0.08 - 0.25)	0	
2024	River water	MOL-GEEL	Ru-106	Bq/l	26	26	< 1.238 (0.6 - 1.8)	0	
2024	River water	MOL-GEEL	Se-75	Bq/l	26	26	< 0.1808 (0.09 - 0.27)	0	
2024	River water	MOL-GEEL	T-Alfa	Bq/l	26	13	< 0.014 (0.012 - 0.016)	13	0.02 (0.014 - 0.029)
2024	River water	MOL-GEEL	T-Beta	Bq/l	26	0		26	0.4038 (0.19 - 0.56)
2024	River water	MOL-GEEL	U-234	Bq/l	13	0		13	0.002262 (0.0012 - 0.0031)
2024	River water	MOL-GEEL	U-235	Bq/l	13	6	< 0.0001367 (8e-05 - 0.00026)	7	0.00021 (0.00015 - 0.00029)
2024	River water	MOL-GEEL	U-238	Bq/l	13	0		13	0.002146 (0.0012 - 0.0032)
2024	River water	MOL-GEEL	Zr-95	Bq/l	26	26	< 0.2662 (0.13 - 0.4)	0	
2024	River sediments	MOL-DESSEL-GEEL	Ag-110m	Bq/kg	13	13	< 2.754 (1.4 - 4)	0	
2024	River sediments	MOL-DESSEL-GEEL	Am-241	Bq/kg	15	0		15	17.29 (11.3 - 27)
2024	River sediments	MOL-DESSEL-GEEL	Be-7	Bq/kg	13	0		13	106.7 (28 - 174)
2024	River sediments	MOL-DESSEL-GEEL	Co-57	Bq/kg	13	13	< 1.546 (0.5 - 2.6)	0	
2024	River sediments	MOL-DESSEL-GEEL	Co-58	Bq/kg	13	13	< 2.754 (1.3 - 5)	0	
2024	River sediments	MOL-DESSEL-GEEL	Co-60	Bq/kg	13	0		13	12.82 (2.6 - 26.5)
2024	River sediments	MOL-DESSEL-GEEL	Cs-134	Bq/kg	13	13	< 2.123 (0.8 - 4)	0	
2024	River sediments	MOL-DESSEL-GEEL	Cs-137	Bq/kg	13	0		13	50.15 (37 - 63)
2024	River sediments	MOL-DESSEL-GEEL	I-131	Bq/kg	13	13	< 119.2 (30 - 400)	0	
2024	River sediments	MOL-DESSEL-GEEL	K-40	Bq/kg	13	0		13	135.8 (88 - 180)
2024	River sediments	MOL-DESSEL-GEEL	Mn-54	Bq/kg	13	12	< 2.1 (0.9 - 3)	1	0.9
2024	River sediments	MOL-DESSEL-GEEL	Pu(239+240)	Bq/kg	13	0		13	8.338 (5 - 10.7)
2024	River sediments	MOL-DESSEL-GEEL	Pu-238	Bq/kg	13	0		13	3.723 (2.7 - 6)
2024	River sediments	MOL-DESSEL-GEEL	Ra-226	Bq/kg	13	0		13	84.15 (49 - 105)
2024	River sediments	MOL-DESSEL-GEEL	Ra-228	Bq/kg	13	0		13	44.15 (25 - 52)
2024	River sediments	MOL-DESSEL-GEEL	Sr-90	Bq/kg	13	13	< 2.8 (0.8 - 6)	0	
2024	River sediments	MOL-DESSEL-GEEL	Tc-99	Bq/kg	13	7	< 50 (40 - 60)	6	80.67 (63 - 93)
2024	River sediments	MOL-DESSEL-GEEL	Th-228	Bq/kg	13	0		13	31.22 (20.4 - 39)
2024	River sediments	MOL-DESSEL-GEEL	Tl-208	Bq/kg	1	0		1	11.1
2024	River sediments	MOL-DESSEL-GEEL	U-234	Bq/kg	13	0		13	21.85 (18 - 32)
2024	River sediments	MOL-DESSEL-GEEL	U-235	Bq/kg	13	2	< 0.95 (0.9 - 1)	11	1.382 (1 - 2)
2024	River sediments	MOL-DESSEL-GEEL	U-238	Bq/kg	15	0		15	20.06 (15 - 30)
2024	River sediments	MOL-DESSEL-GEEL	Zn-65	Bq/kg	13	13	< 6.385 (3 - 9)	0	
2024	Freshwater aquatic plants	MOL-DESSEL-GEEL	Ag-110m	Bq/kg	4	4	< 1.4 (1 - 1.6)	0	
2024	Freshwater aquatic plants	MOL-DESSEL-GEEL	Am-241	Bq/kg	4	0		4	0.07275 (0.041 - 0.13)
2024	Freshwater aquatic plants	MOL-DESSEL-GEEL	Be-7	Bq/kg	4	0		4	46.75 (18 - 114)
2024	Freshwater aquatic plants	MOL-DESSEL-GEEL	Co-57	Bq/kg	4	4	< 0.475 (0.3 - 0.6)	0	

2024	Freshwater aquatic plants	MOL-DESSEL-GEEL	Co-58	Bq/kg	4	4	< 1.625 (1.1 - 1.8)	0	
2024	Freshwater aquatic plants	MOL-DESSEL-GEEL	Co-60	Bq/kg	4	4	< 1.675 (1.2 - 2)	0	
2024	Freshwater aquatic plants	MOL-DESSEL-GEEL	Cs-134	Bq/kg	4	4	< 1.075 (0.7 - 1.2)	0	
2024	Freshwater aquatic plants	MOL-DESSEL-GEEL	Cs-137	Bq/kg	4	0		4	3.3 (2.1 - 4.2)
2024	Freshwater aquatic plants	MOL-DESSEL-GEEL	H-3	Bq/kg	4	3	< 11.33 (9 - 15)	1	10
2024	Freshwater aquatic plants	MOL-DESSEL-GEEL	I-131	Bq/kg	4	4	< 14 (8 - 17)	0	
2024	Freshwater aquatic plants	MOL-DESSEL-GEEL	K-40	Bq/kg	4	0		4	670 (580 - 850)
2024	Freshwater aquatic plants	MOL-DESSEL-GEEL	Mn-54	Bq/kg	4	4	< 1.325 (0.9 - 1.5)	0	
2024	Freshwater aquatic plants	MOL-DESSEL-GEEL	Pu(239+240)	Bq/kg	4	1	< 0.04	3	0.049 (0.027 - 0.07)
2024	Freshwater aquatic plants	MOL-DESSEL-GEEL	Pu-238	Bq/kg	4	4	< 0.037 (0.028 - 0.05)	0	
2024	Freshwater aquatic plants	MOL-DESSEL-GEEL	Ra-226	Bq/kg	4	3	< 2.433 (2.3 - 2.5)	1	1.2
2024	Freshwater aquatic plants	MOL-DESSEL-GEEL	Ra-228	Bq/kg	4	4	< 5.25 (3 - 6)	0	
2024	Freshwater aquatic plants	MOL-DESSEL-GEEL	Sr-90	Bq/kg	4	4	< 0.725 (0.4 - 1.1)	0	
2024	Freshwater aquatic plants	MOL-DESSEL-GEEL	Tc-99	Bq/kg	4	4	< 26 (23 - 30)	0	
2024	Freshwater aquatic plants	MOL-DESSEL-GEEL	Th-228	Bq/kg	4	4	< 1.425 (1 - 1.6)	0	
2024	Freshwater aquatic plants	MOL-DESSEL-GEEL	U-234	Bq/kg	4	0		4	0.22 (0.19 - 0.28)
2024	Freshwater aquatic plants	MOL-DESSEL-GEEL	U-235	Bq/kg	4	4	< 0.032 (0.023 - 0.05)	0	
2024	Freshwater aquatic plants	MOL-DESSEL-GEEL	U-238	Bq/kg	4	0		4	0.205 (0.16 - 0.31)
2024	Freshwater aquatic plants	MOL-DESSEL-GEEL	Zn-65	Bq/kg	4	4	< 3.675 (2.7 - 4)	0	
2024	Wastewater (BELGOPROCESS)	MOL-DESSEL	Am-241	Bq/l	98	49	< 1.398 (0.006606 - 1.746)	49	0.3342 (0.01188 - 2.59)
2024	Wastewater (BELGOPROCESS)	MOL-DESSEL	Ba-133	Bq/l	49	49	< 1.713 (0.6146 - 2.1)	0	
2024	Wastewater (BELGOPROCESS)	MOL-DESSEL	Be-7	Bq/l	49	49	< 11.93 (4.773 - 16.46)	0	
2024	Wastewater (BELGOPROCESS)	MOL-DESSEL	Co-57	Bq/l	49	49	< 0.8118 (0.2738 - 0.9709)	0	
2024	Wastewater (BELGOPROCESS)	MOL-DESSEL	Co-58	Bq/l	49	49	< 1.306 (0.5765 - 1.75)	0	
2024	Wastewater (BELGOPROCESS)	MOL-DESSEL	Co-60	Bq/l	49	14	< 1.245 (0.8187 - 1.383)	35	4.104 (0.6702 - 10.26)
2024	Wastewater (BELGOPROCESS)	MOL-DESSEL	Cs-134	Bq/l	49	49	< 1.293 (0.5813 - 1.558)	0	
2024	Wastewater (BELGOPROCESS)	MOL-DESSEL	Cs-137	Bq/l	49	0		49	2.772 (1.748 - 6.659)
2024	Wastewater (BELGOPROCESS)	MOL-DESSEL	H-3	Bq/l	49	0		49	103900 (238.1 - 363100)
2024	Wastewater (BELGOPROCESS)	MOL-DESSEL	I-131	Bq/l	49	49	< 16.29 (0.9834 - 62.34)	0	
2024	Wastewater (BELGOPROCESS)	MOL-DESSEL	Mn-54	Bq/l	49	48	< 1.119 (0.5672 - 1.482)	1	0.832
2024	Wastewater (BELGOPROCESS)	MOL-DESSEL	Pu(239+240)	Bq/l	49	2	< 0.01141 (0.005556 - 0.01726)	47	0.03658 (0.005692 - 0.1665)
2024	Wastewater (BELGOPROCESS)	MOL-DESSEL	Pu-238	Bq/l	49	24	< 0.004377 (0.002565 - 0.01628)	25	0.02026 (0.003277 - 0.1068)
2024	Wastewater (BELGOPROCESS)	MOL-DESSEL	Ru-103	Bq/l	49	49	< 1.61 (0.5919 - 2.393)	0	
2024	Wastewater (BELGOPROCESS)	MOL-DESSEL	Ru-106	Bq/l	49	49	< 10.06 (5.251 - 13.26)	0	
2024	Wastewater (BELGOPROCESS)	MOL-DESSEL	Sr-90	Bq/l	49	1	< 0.4209	48	1.47 (0.4658 - 3.055)
2024	Wastewater (BELGOPROCESS)	MOL-DESSEL	T-Alfa	Bq/l	49	12	< 0.05518 (0.042 - 0.07558)	37	0.3596 (0.03988 - 1.68)
2024	Wastewater (BELGOPROCESS)	MOL-DESSEL	T-Beta	Bq/l	49	0		49	6.572 (2.763 - 14.92)
2024	Wastewater (BELGOPROCESS)	MOL-DESSEL	Tc-99	Bq/l	49	44	< 0.06368 (0.06368 - 0.06368)	5	0.1051 (0.08176 - 0.1346)
2024	Wastewater (BELGOPROCESS)	MOL-DESSEL	U-234	Bq/l	49	19	< 0.006099 (0.00169 - 0.02229)	30	0.01196 (0.002033 - 0.0856)
2024	Wastewater (BELGOPROCESS)	MOL-DESSEL	U-235	Bq/l	49	46	< 0.00468 (0.001866 - 0.01594)	3	0.003481 (0.001424 - 0.006358)
2024	Wastewater (BELGOPROCESS)	MOL-DESSEL	U-238	Bq/l	49	22	< 0.00365 (0.001667 - 0.01262)	27	0.007697 (0.002274 - 0.05593)

Table S5. Radioactivity measurements around the Doel nuclear site: atmosphere, soil, the Scheldt River (water, sediments, fauna and flora), and liquid discharges from the nuclear power plant.

Values are expressed in Bq/kg dry matter, Bq/liter, Bq/m² or Bq/m³. 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)
2024	Outdoor air	DOEL	Be-7	Bq/m³	13	0		13	0.001891 (0.00122 - 0.002502)
2024	Outdoor air	DOEL	Ce-141	Bq/m³	13	13	< 1.325e-05 (4e-06 - 2.4e-05)	0	
2024	Outdoor air	DOEL	Ce-144	Bq/m³	13	13	< 2.858e-05 (7e-06 - 5.27e-05)	0	
2024	Outdoor air	DOEL	Cs-134	Bq/m³	13	13	< 3.977e-06 (2e-06 - 7e-06)	0	
2024	Outdoor air	DOEL	Cs-137	Bq/m³	13	13	< 4.562e-06 (1.7e-06 - 9e-06)	0	
2024	Outdoor air	DOEL	I-131	Bq/m³	13	13	< 0.0001106 (1.6e-05 - 4e-04)	0	
2024	Outdoor air	DOEL	K-40	Bq/m³	13	13	< 6.795e-05 (2.9e-05 - 0.0001317)	0	
2024	Outdoor air	DOEL	Nb-95	Bq/m³	13	13	< 7.938e-06 (3.8e-06 - 1.32e-05)	0	
2024	Outdoor air	DOEL	Ru-103	Bq/m³	13	13	< 7.054e-06 (3e-06 - 1.32e-05)	0	
2024	Outdoor air	DOEL	Ru-106	Bq/m³	13	13	< 3.835e-05 (1.7e-05 - 7e-05)	0	
2024	Outdoor air	DOEL	Se-75	Bq/m³	13	13	< 6.146e-06 (2e-06 - 1.19e-05)	0	
2024	Outdoor air	DOEL	T-Beta	Bq/m³	365	3	< 2.333e-05 (2.3e-05 - 2.4e-05)	362	0.0003014 (1.5e-05 - 0.00162)
2024	Outdoor air	DOEL	Th-228	Bq/m³	1	1	< 9e-06	0	
2024	Outdoor air	DOEL	Zr-95	Bq/m³	13	13	< 1.007e-05 (4e-06 - 1.84e-05)	0	
2024	Total deposition filtered	DOEL	Be-7	Bq/m²	13	0		13	25.43 (6.6 - 59)
2024	Total deposition filtered	DOEL	Ce-141	Bq/m²	13	13	< 2.023 (1.6 - 3)	0	
2024	Total deposition filtered	DOEL	Ce-144	Bq/m²	13	13	< 5.054 (2.5 - 10)	0	
2024	Total deposition filtered	DOEL	Cs-134	Bq/m²	13	13	< 0.7077 (0.5 - 1.5)	0	
2024	Total deposition filtered	DOEL	Cs-137	Bq/m²	13	13	< 0.6538 (0.09 - 1.7)	0	
2024	Total deposition filtered	DOEL	H-3	Bq/m²	13	11	< 640 (240 - 1400)	2	560 (420 - 700)
2024	Total deposition filtered	DOEL	I-131	Bq/m²	13	13	< 3.281 (0.03 - 8)	0	
2024	Total deposition filtered	DOEL	K-40	Bq/m²	26	13	< 11.23 (7 - 30)	13	0.5853 (0.04 - 1.31)
2024	Total deposition filtered	DOEL	Nb-95	Bq/m²	13	13	< 1.115 (0.8 - 2.3)	0	
2024	Total deposition filtered	DOEL	R-Beta	Bq/m²	13	0		13	2.726 (0.22 - 5.5)
2024	Total deposition filtered	DOEL	Ru-103	Bq/m²	13	13	< 1.069 (0.8 - 2.1)	0	
2024	Total deposition filtered	DOEL	Ru-106	Bq/m²	13	13	< 6.769 (5 - 14)	0	
2024	Total deposition filtered	DOEL	Se-75	Bq/m²	13	13	< 1.115 (0.8 - 2.1)	0	
2024	Total deposition filtered	DOEL	T-Alfa	Bq/m²	13	0		13	0.6223 (0.027 - 1.33)
2024	Total deposition filtered	DOEL	T-Beta	Bq/m²	13	0		13	3.315 (0.27 - 6.86)
2024	Total deposition filtered	DOEL	Zr-95	Bq/m²	13	13	< 1.554 (1.2 - 3)	0	
2024	Total deposition residue	DOEL	Be-7	Bq/m²	13	0		13	66 (36 - 132)
2024	Total deposition residue	DOEL	Ce-141	Bq/m²	13	13	< 0.8585 (0.18 - 1.9)	0	
2024	Total deposition residue	DOEL	Ce-144	Bq/m²	13	13	< 2.346 (0.5 - 5)	0	
2024	Total deposition residue	DOEL	Cs-134	Bq/m²	13	13	< 0.35 (0.12 - 0.7)	0	
2024	Total deposition residue	DOEL	Cs-137	Bq/m²	13	13	< 0.3646 (0.14 - 0.8)	0	
2024	Total deposition residue	DOEL	I-131	Bq/m²	13	13	< 2.777 (0.4 - 12)	0	
2024	Total deposition residue	DOEL	K-40	Bq/m²	13	9	< 5.511 (2.1 - 12)	4	8.4 (3 - 17)
2024	Total deposition residue	DOEL	Nb-95	Bq/m²	13	13	< 0.54 (0.19 - 1.1)	0	
2024	Total deposition residue	DOEL	Ra-226	Bq/m²	1	1	< 0.7	0	
2024	Total deposition residue	DOEL	Ru-103	Bq/m²	13	13	< 0.4985 (0.16 - 1)	0	
2024	Total deposition residue	DOEL	Ru-106	Bq/m²	13	13	< 3.046 (1.1 - 6)	0	
2024	Total deposition residue	DOEL	Se-75	Bq/m²	13	13	< 0.4523 (0.11 - 1)	0	
2024	Total deposition residue	DOEL	T-Alfa	Bq/m²	13	0		13	2.215 (0.54 - 4.1)
2024	Total deposition residue	DOEL	T-Beta	Bq/m²	13	0		13	9.072 (3.2 - 14.7)
2024	Total deposition residue	DOEL	Zr-95	Bq/m²	13	13	< 0.7692 (0.3 - 1.6)	0	
2024	Topsoil and grass	DOEL	Ag-110m	Bq/kg	1	1	< 1.3	0	
2024	Topsoil and grass	DOEL	Be-7	Bq/kg	1	1	< 12	0	
2024	Topsoil and grass	DOEL	Co-57	Bq/kg	1	1	< 0.8	0	
2024	Topsoil and grass	DOEL	Co-58	Bq/kg	1	1	< 1.4	0	
2024	Topsoil and grass	DOEL	Co-60	Bq/kg	1	1	< 1.2	0	
2024	Topsoil and grass	DOEL	Cs-134	Bq/kg	1	1	< 1	0	
2024	Topsoil and grass	DOEL	Cs-137	Bq/kg	1	0		1	3.7
2024	Topsoil and grass	DOEL	I-131	Bq/kg	1	1	< 11	0	
2024	Topsoil and grass	DOEL	K-40	Bq/kg	1	0		1	540
2024	Topsoil and grass	DOEL	Mn-54	Bq/kg	1	1	< 0.9	0	

2024	Topsoil and grass	DOEL	Ra-226	Bq/kg	1	0		1	24.2
2024	Topsoil and grass	DOEL	Ra-228	Bq/kg	1	0		1	32.7
2024	Topsoil and grass	DOEL	Th-228	Bq/kg	1	0		1	28.2
2024	Topsoil and grass	DOEL	Zn-65	Bq/kg	1	1	< 4	0	
2024	River water	DOEL (LILLO)	Am-241	Bq/l	13	12	< 0.0001642 (9e-05 - 3e-04)	1	0.00016
2024	River water	DOEL (LILLO)	Be-7	Bq/l	26	26	< 1.373 (0.6 - 1.9)	0	
2024	River water	DOEL (LILLO)	Ce-141	Bq/l	26	26	< 0.2873 (0.14 - 0.4)	0	
2024	River water	DOEL (LILLO)	Ce-144	Bq/l	26	26	< 0.9623 (0.26 - 1.3)	0	
2024	River water	DOEL (LILLO)	Cs-134	Bq/l	26	26	< 0.1446 (0.06 - 0.22)	0	
2024	River water	DOEL (LILLO)	Cs-137	Bq/l	26	26	< 0.1518 (0.009 - 0.22)	0	
2024	River water	DOEL (LILLO)	H-3	Bq/l	26	20	< 8.6 (5 - 15)	6	8.783 (4.8 - 12)
2024	River water	DOEL (LILLO)	I-131	Bq/l	26	26	< 0.3525 (0.0026 - 0.7)	0	
2024	River water	DOEL (LILLO)	K-40	Bq/l	52	13	< 3.092 (0.8 - 5)	39	2.454 (0.37 - 8)
2024	River water	DOEL (LILLO)	Nb-95	Bq/l	26	26	< 0.1765 (0.07 - 0.25)	0	
2024	River water	DOEL (LILLO)	Pu(239+240)	Bq/l	13	12	< 0.0001458 (1e-04 - 0.00023)	1	0.00013
2024	River water	DOEL (LILLO)	Pu-238	Bq/l	13	13	< 0.00016 (8e-05 - 3e-04)	0	
2024	River water	DOEL (LILLO)	R-Beta	Bq/l	26	26	< 0.4577 (0.3 - 0.7)	0	
2024	River water	DOEL (LILLO)	Ru-103	Bq/l	26	26	< 0.165 (0.07 - 0.23)	0	
2024	River water	DOEL (LILLO)	Ru-106	Bq/l	26	26	< 1.331 (0.5 - 1.9)	0	
2024	River water	DOEL (LILLO)	Se-75	Bq/l	26	26	< 0.1927 (0.09 - 0.27)	0	
2024	River water	DOEL (LILLO)	T-Alfa	Bq/l	26	4	< 0.0375 (0.03 - 0.04)	22	0.05182 (0.043 - 0.063)
2024	River water	DOEL (LILLO)	T-Beta	Bq/l	26	1	< 0.6	25	1.932 (0.7 - 3.5)
2024	River water	DOEL (LILLO)	U-234	Bq/l	13	0		13	0.01715 (0.01 - 0.0224)
2024	River water	DOEL (LILLO)	U-235	Bq/l	13	0		13	0.0008423 (0.00031 - 0.002)
2024	River water	DOEL (LILLO)	U-238	Bq/l	13	0		13	0.02114 (0.0128 - 0.087)
2024	River water	DOEL (LILLO)	Zr-95	Bq/l	26	26	< 0.2827 (0.12 - 0.4)	0	
2024	River sediments	DOEL (LILLO)	Ag-110m	Bq/kg	13	13	< 0.9462 (0.3 - 1.5)	0	
2024	River sediments	DOEL (LILLO)	Am-241	Bq/kg	7	3	< 0.6667 (0.5 - 0.9)	4	0.6525 (0.51 - 0.8)
2024	River sediments	DOEL (LILLO)	Be-7	Bq/kg	13	3	< 11.33 (8 - 17)	10	16.52 (4.3 - 39)
2024	River sediments	DOEL (LILLO)	Co-57	Bq/kg	13	13	< 0.6946 (0.23 - 1.3)	0	
2024	River sediments	DOEL (LILLO)	Co-58	Bq/kg	13	13	< 1.015 (0.4 - 1.7)	0	
2024	River sediments	DOEL (LILLO)	Co-60	Bq/kg	13	12	< 0.8 (0.4 - 1.2)	1	0.8
2024	River sediments	DOEL (LILLO)	Cs-134	Bq/kg	13	13	< 0.8538 (0.3 - 1.4)	0	
2024	River sediments	DOEL (LILLO)	Cs-137	Bq/kg	13	1	< 1	12	3.663 (0.43 - 6.8)
2024	River sediments	DOEL (LILLO)	I-131	Bq/kg	13	13	< 19.46 (6 - 70)	0	
2024	River sediments	DOEL (LILLO)	K-40	Bq/kg	13	0		13	477.7 (310 - 560)
2024	River sediments	DOEL (LILLO)	Mn-54	Bq/kg	13	13	< 0.7692 (0.4 - 1.3)	0	
2024	River sediments	DOEL (LILLO)	Ra-226	Bq/kg	13	0		13	31.71 (16 - 39)
2024	River sediments	DOEL (LILLO)	Ra-228	Bq/kg	13	0		13	27.25 (13.5 - 36)
2024	River sediments	DOEL (LILLO)	Th-228	Bq/kg	13	0		13	29.14 (13.7 - 36)
2024	River sediments	DOEL (LILLO)	U-235	Bq/kg	1	0		1	1.6
2024	River sediments	DOEL (LILLO)	U-238	Bq/kg	9	0		9	32.67 (17 - 46)
2024	River sediments	DOEL (LILLO)	Zn-65	Bq/kg	13	13	< 2.5 (1.1 - 4)	0	
2024	Oysters (Scheldt)	DOEL	Ag-110m	Bq/kg	1	1	< 1.5	0	
2024	Oysters (Scheldt)	DOEL	Am-241	Bq/kg	1	1	< 0.06	0	
2024	Oysters (Scheldt)	DOEL	Be-7	Bq/kg	1	1	< 15	0	
2024	Oysters (Scheldt)	DOEL	Co-57	Bq/kg	1	1	< 0.8	0	
2024	Oysters (Scheldt)	DOEL	Co-58	Bq/kg	1	1	< 1.8	0	
2024	Oysters (Scheldt)	DOEL	Co-60	Bq/kg	1	1	< 1.5	0	
2024	Oysters (Scheldt)	DOEL	Cs-134	Bq/kg	1	1	< 1.3	0	
2024	Oysters (Scheldt)	DOEL	Cs-137	Bq/kg	1	1	< 1.5	0	
2024	Oysters (Scheldt)	DOEL	H-3	Bq/kg	1	0		1	10
2024	Oysters (Scheldt)	DOEL	I-131	Bq/kg	1	1	< 13	0	
2024	Oysters (Scheldt)	DOEL	K-40	Bq/kg	1	0		1	160
2024	Oysters (Scheldt)	DOEL	Mn-54	Bq/kg	1	1	< 1.6	0	
2024	Oysters (Scheldt)	DOEL	Pu(239+240)	Bq/kg	1	1	< 0.05	0	
2024	Oysters (Scheldt)	DOEL	Pu-238	Bq/kg	1	1	< 0.07	0	
2024	Oysters (Scheldt)	DOEL	Ra-226	Bq/kg	1	1	< 2.7	0	
2024	Oysters (Scheldt)	DOEL	Ra-228	Bq/kg	1	1	< 6	0	

2024	Oysters (Scheldt)	DOEL	Sr-90	Bq/kg	1	1	< 3	0	
2024	Oysters (Scheldt)	DOEL	Th-228	Bq/kg	1	1	< 2.2	0	
2024	Oysters (Scheldt)	DOEL	Zn-65	Bq/kg	1	1	< 4	0	
2024	Oysters (Scheldt)	HOOFDPLAAT-KLOOSTERZANDE	Ag-110m	Bq/kg	3	3	< 0.7667 (0.5 - 1.2)	0	
2024	Oysters (Scheldt)	HOOFDPLAAT-KLOOSTERZANDE	Am-241	Bq/kg	3	2	< 0.06 (0.05 - 0.07)	1	0.04
2024	Oysters (Scheldt)	HOOFDPLAAT-KLOOSTERZANDE	Be-7	Bq/kg	3	3	< 8.667 (6 - 11)	0	
2024	Oysters (Scheldt)	HOOFDPLAAT-KLOOSTERZANDE	Co-57	Bq/kg	3	3	< 0.5733 (0.22 - 0.8)	0	
2024	Oysters (Scheldt)	HOOFDPLAAT-KLOOSTERZANDE	Co-58	Bq/kg	3	3	< 1 (0.8 - 1.3)	0	
2024	Oysters (Scheldt)	HOOFDPLAAT-KLOOSTERZANDE	Co-60	Bq/kg	3	3	< 0.9 (0.7 - 1.2)	0	
2024	Oysters (Scheldt)	HOOFDPLAAT-KLOOSTERZANDE	Cs-134	Bq/kg	3	3	< 0.8 (0.5 - 1.1)	0	
2024	Oysters (Scheldt)	HOOFDPLAAT-KLOOSTERZANDE	Cs-137	Bq/kg	3	3	< 0.9 (0.6 - 1.3)	0	
2024	Oysters (Scheldt)	HOOFDPLAAT-KLOOSTERZANDE	H-3	Bq/kg	3	3	< 11 (6 - 20)	0	
2024	Oysters (Scheldt)	HOOFDPLAAT-KLOOSTERZANDE	I-131	Bq/kg	3	3	< 10.67 (7 - 13)	0	
2024	Oysters (Scheldt)	HOOFDPLAAT-KLOOSTERZANDE	K-40	Bq/kg	3	0		3	224.7 (169 - 294)
2024	Oysters (Scheldt)	HOOFDPLAAT-KLOOSTERZANDE	Mn-54	Bq/kg	3	3	< 0.7667 (0.6 - 1)	0	
2024	Oysters (Scheldt)	HOOFDPLAAT-KLOOSTERZANDE	Pu(239+240)	Bq/kg	3	3	< 0.07 (0.04 - 0.11)	0	
2024	Oysters (Scheldt)	HOOFDPLAAT-KLOOSTERZANDE	Pu-238	Bq/kg	3	2	< 0.0385 (0.027 - 0.05)	1	0.16
2024	Oysters (Scheldt)	HOOFDPLAAT-KLOOSTERZANDE	Ra-226	Bq/kg	3	2	< 1.3 (1 - 1.6)	1	2.9
2024	Oysters (Scheldt)	HOOFDPLAAT-KLOOSTERZANDE	Ra-228	Bq/kg	3	3	< 3.467 (2.4 - 5)	0	
2024	Oysters (Scheldt)	HOOFDPLAAT-KLOOSTERZANDE	Sr-90	Bq/kg	3	3	< 5.867 (2.6 - 12)	0	
2024	Oysters (Scheldt)	HOOFDPLAAT-KLOOSTERZANDE	Th-228	Bq/kg	3	2	< 1.2 (0.7 - 1.7)	1	2.9
2024	Oysters (Scheldt)	HOOFDPLAAT-KLOOSTERZANDE	Zn-65	Bq/kg	3	3	< 2.067 (1.6 - 2.8)	0	
2024	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Ag-110m	Bq/kg	4	4	< 0.9 (0.4 - 1.5)	0	
2024	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Am-241	Bq/kg	4	4	< 0.1075 (0.06 - 0.16)	0	
2024	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Be-7	Bq/kg	4	3	< 9.667 (4 - 16)	1	20
2024	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Co-57	Bq/kg	4	4	< 0.575 (0.2 - 1)	0	
2024	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Co-58	Bq/kg	4	4	< 1.175 (0.6 - 1.9)	0	
2024	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Co-60	Bq/kg	4	4	< 1.025 (0.6 - 1.6)	0	
2024	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Cs-134	Bq/kg	4	4	< 0.85 (0.3 - 1.4)	0	
2024	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Cs-137	Bq/kg	4	4	< 0.925 (0.4 - 1.6)	0	
2024	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	H-3	Bq/kg	4	4	< 9 (7 - 12)	0	
2024	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	I-131	Bq/kg	4	4	< 10.5 (5 - 17)	0	
2024	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	K-40	Bq/kg	4	0		4	1000 (850 - 1140)
2024	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Mn-54	Bq/kg	4	4	< 0.975 (0.5 - 1.6)	0	
2024	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Pu(239+240)	Bq/kg	4	4	< 0.1025 (0.06 - 0.19)	0	
2024	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Pu-238	Bq/kg	4	4	< 0.1 (0.05 - 0.14)	0	
2024	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Ra-226	Bq/kg	4	0		4	6.4 (3.4 - 8.7)
2024	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Ra-228	Bq/kg	4	0		4	9.575 (5.8 - 11.2)
2024	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Sr-90	Bq/kg	4	4	< 4.3 (1.7 - 7)	0	
2024	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Tc-99	Bq/kg	4	3	< 33 (29 - 40)	1	41
2024	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Th-228	Bq/kg	4	0		4	1.708 (0.93 - 2.2)
2024	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Zn-65	Bq/kg	4	4	< 2.625 (1.4 - 4)	0	
2024	North Sea shrimps	DOEL-KIELDRECHT-KLOOSTERZANDE	Ag-110m	Bq/kg	4	4	< 0.775 (0.4 - 1.3)	0	
2024	North Sea shrimps	DOEL-KIELDRECHT-KLOOSTERZANDE	Am-241	Bq/kg	4	4	< 0.07 (0.04 - 0.11)	0	
2024	North Sea shrimps	DOEL-KIELDRECHT-KLOOSTERZANDE	Be-7	Bq/kg	4	4	< 11 (5 - 22)	0	
2024	North Sea shrimps	DOEL-KIELDRECHT-KLOOSTERZANDE	Co-57	Bq/kg	4	4	< 0.5225 (0.19 - 0.9)	0	
2024	North Sea shrimps	DOEL-KIELDRECHT-KLOOSTERZANDE	Co-58	Bq/kg	4	4	< 1.15 (0.7 - 2)	0	
2024	North Sea shrimps	DOEL-KIELDRECHT-KLOOSTERZANDE	Co-60	Bq/kg	4	4	< 0.8 (0.6 - 1.2)	0	
2024	North Sea shrimps	DOEL-KIELDRECHT-KLOOSTERZANDE	Cs-134	Bq/kg	4	4	< 0.725 (0.4 - 1.1)	0	
2024	North Sea shrimps	DOEL-KIELDRECHT-KLOOSTERZANDE	Cs-137	Bq/kg	4	4	< 0.775 (0.4 - 1.2)	0	
2024	North Sea shrimps	DOEL-KIELDRECHT-KLOOSTERZANDE	H-3	Bq/kg	4	4	< 8.25 (6 - 9)	0	
2024	North Sea shrimps	DOEL-KIELDRECHT-KLOOSTERZANDE	I-131	Bq/kg	4	4	< 163.5 (8 - 600)	0	
2024	North Sea shrimps	DOEL-KIELDRECHT-KLOOSTERZANDE	K-40	Bq/kg	4	0		4	362.5 (340 - 390)
2024	North Sea shrimps	DOEL-KIELDRECHT-KLOOSTERZANDE	Mn-54	Bq/kg	4	4	< 0.8 (0.5 - 1.3)	0	
2024	North Sea shrimps	DOEL-KIELDRECHT-KLOOSTERZANDE	Pu(239+240)	Bq/kg	4	4	< 0.065 (0.04 - 0.1)	0	
2024	North Sea shrimps	DOEL-KIELDRECHT-KLOOSTERZANDE	Pu-238	Bq/kg	4	4	< 0.09 (0.05 - 0.17)	0	
2024	North Sea shrimps	DOEL-KIELDRECHT-KLOOSTERZANDE	Ra-226	Bq/kg	4	0		4	2.508 (1.8 - 3)
2024	North Sea shrimps	DOEL-KIELDRECHT-KLOOSTERZANDE	Ra-228	Bq/kg	4	2	< 4 (4 - 4)	2	3.2 (3 - 3.4)
2024	North Sea shrimps	DOEL-KIELDRECHT-KLOOSTERZANDE	Sr-90	Bq/kg	4	4	< 5 (3 - 6)	0	

2024	North Sea shrimps	DOEL-KIELDRECHT-KLOOSTERZANDE	Th-228	Bq/kg	4	4	< 1.25 (0.4 - 2.1)	0	
2024	North Sea shrimps	DOEL-KIELDRECHT-KLOOSTERZANDE	Zn-65	Bq/kg	4	4	< 2.05 (1.4 - 3)	0	
2024	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Ag-110m	Bq/l	13	1	< 0.5	12	5.333 (0.72 - 14.5)
2024	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Be-7	Bq/l	13	10	< 12.9 (4 - 40)	3	53.53 (3.6 - 98)
2024	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Ce-141	Bq/l	13	13	< 2.085 (0.4 - 8)	0	
2024	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Ce-144	Bq/l	13	13	< 4.954 (1.4 - 16)	0	
2024	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Co-57	Bq/l	13	9	< 0.52 (0.19 - 0.9)	4	1.618 (0.47 - 2.5)
2024	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Co-58	Bq/l	13	0		13	19.01 (0.58 - 90)
2024	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Co-60	Bq/l	13	0		13	12.12 (1.8 - 38)
2024	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Cr-51	Bq/l	13	13	< 14.85 (4 - 50)	0	
2024	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Cs-134	Bq/l	13	12	< 0.9417 (0.4 - 3)	1	1.6
2024	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Cs-137	Bq/l	13	1	< 0.9	12	15.53 (0.7 - 58)
2024	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Fe-59	Bq/l	13	13	< 2.523 (1.1 - 8)	0	
2024	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	H-3	Bq/l	13	0		13	499500 (6000 - 1170000)
2024	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	I-131	Bq/l	13	13	< 12.87 (1.1 - 70)	0	
2024	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Mn-54	Bq/l	13	8	< 0.7125 (0.5 - 0.9)	5	1.88 (0.4 - 2.9)
2024	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Nb-95	Bq/l	13	13	< 1.731 (0.6 - 5)	0	
2024	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Rh-106	Bq/l	1	1	< 9	0	
2024	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Ru-103	Bq/l	13	13	< 1.515 (0.5 - 5)	0	
2024	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Ru-106	Bq/l	13	13	< 9 (4 - 26)	0	
2024	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Sb-124	Bq/l	13	9	< 1.567 (0.5 - 5)	4	3.075 (2.1 - 6)
2024	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Sb-125	Bq/l	13	3	< 2.133 (1.9 - 2.6)	10	20.98 (2.5 - 53)
2024	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Sn-113	Bq/l	13	13	< 1.338 (0.5 - 4)	0	
2024	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Te-123m	Bq/l	13	4	< 1.15 (0.4 - 2.6)	9	1.202 (0.25 - 2.6)
2024	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Zn-65	Bq/l	13	13	< 2.023 (1 - 6)	0	
2024	Wastewater (NPP DOEL)	DOEL (Mixture controlled area)	Zr-95	Bq/l	13	13	< 2.085 (0.8 - 7)	0	
2024	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Ag-110m	Bq/l	13	13	< 0.7385 (0.4 - 1.4)	0	
2024	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Be-7	Bq/l	13	13	< 8.154 (5 - 18)	0	
2024	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Ce-141	Bq/l	13	13	< 1.7 (0.7 - 4)	0	
2024	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Ce-144	Bq/l	13	13	< 4.185 (1.8 - 8)	0	
2024	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Co-57	Bq/l	13	13	< 0.5323 (0.22 - 1)	0	
2024	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Co-58	Bq/l	13	13	< 0.8692 (0.6 - 1.9)	0	
2024	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Co-60	Bq/l	13	13	< 0.6846 (0.5 - 1.3)	0	
2024	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Cr-51	Bq/l	13	13	< 11.54 (6 - 27)	0	
2024	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Cs-134	Bq/l	13	13	< 0.6923 (0.4 - 1.5)	0	
2024	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Cs-137	Bq/l	13	13	< 0.7538 (0.5 - 1.4)	0	
2024	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Fe-59	Bq/l	13	13	< 1.915 (1.2 - 4)	0	
2024	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	H-3	Bq/l	13	2	< 8.5 (7 - 10)	11	30.64 (10 - 52)
2024	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	I-131	Bq/l	13	13	< 8.777 (1.5 - 30)	0	
2024	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Mn-54	Bq/l	13	13	< 0.7077 (0.5 - 1.4)	0	
2024	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Nb-95	Bq/l	13	13	< 1.2 (0.6 - 2.8)	0	
2024	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Rh-106	Bq/l	1	1	< 6	0	
2024	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Ru-103	Bq/l	13	13	< 1.115 (0.6 - 2.5)	0	
2024	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Ru-106	Bq/l	13	13	< 6.692 (4 - 13)	0	
2024	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Sb-124	Bq/l	13	13	< 0.9385 (0.6 - 2)	0	
2024	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Sb-125	Bq/l	13	13	< 1.962 (1.2 - 4)	0	
2024	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Sn-113	Bq/l	13	13	< 1.023 (0.6 - 2.1)	0	
2024	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Te-123m	Bq/l	13	13	< 0.6223 (0.29 - 1.3)	0	
2024	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Zn-65	Bq/l	13	13	< 1.592 (1.1 - 3)	0	
2024	Wastewater (NPP DOEL)	DOEL (Mixture secondary circuit)	Zr-95	Bq/l	13	13	< 1.692 (1 - 4)	0	

Table S6. Radioactivity measurements in the Brussels-Capital Region: atmosphere and soil.

Values are expressed in Bq/kg dry matter, Bq/m² or Bq/m³ (DL: detection limit).

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2024	Outdoor air	BRUSSELS	Be-7	Bq/m³	13	0		13	0.001635 (0.0004764 - 0.002586)
2024	Outdoor air	BRUSSELS	Ce-141	Bq/m³	13	13	< 4.218e-05 (3.47e-05 - 6.85e-05)	0	
2024	Outdoor air	BRUSSELS	Ce-144	Bq/m³	13	13	< 0.0001005 (9.66e-05 - 0.0001058)	0	
2024	Outdoor air	BRUSSELS	Cs-134	Bq/m³	13	13	< 2.756e-05 (2.6e-05 - 2.92e-05)	0	
2024	Outdoor air	BRUSSELS	Cs-137	Bq/m³	13	13	< 2.108e-05 (1.95e-05 - 2.28e-05)	0	
2024	Outdoor air	BRUSSELS	I-131	Bq/m³	13	13	< 0.0003047 (0.0001081 - 0.001737)	0	
2024	Outdoor air	BRUSSELS	K-40	Bq/m³	13	5	< 0.0003246 (0.0003151 - 0.0003357)	8	0.0004434 (0.0003452 - 0.0005257)
2024	Outdoor air	BRUSSELS	Nb-95	Bq/m³	13	13	< 3.868e-05 (3.23e-05 - 6.13e-05)	0	
2024	Outdoor air	BRUSSELS	Ru-103	Bq/m³	13	13	< 2.933e-05 (2.49e-05 - 4.34e-05)	0	
2024	Outdoor air	BRUSSELS	Ru-106	Bq/m³	13	13	< 0.0001877 (0.0001823 - 0.0001959)	0	
2024	Outdoor air	BRUSSELS	T-Beta	Bq/m³	366	156	< 0.0001574 (2.19e-05 - 0.0001892)	210	0.0004006 (0.0001481 - 0.001697)
2024	Outdoor air	BRUSSELS	Zr-95	Bq/m³	13	13	< 5.108e-05 (4.46e-05 - 6.57e-05)	0	
2024	Total deposition filtered	BRUSSELS	Be-7	Bq/m²	13	4	< 16.89 (13.94 - 18.22)	9	26.78 (14.58 - 46.78)
2024	Total deposition filtered	BRUSSELS	Ce-141	Bq/m²	13	13	< 3.434 (2.859 - 4.701)	0	
2024	Total deposition filtered	BRUSSELS	Ce-144	Bq/m²	13	13	< 10.29 (9.427 - 11.48)	0	
2024	Total deposition filtered	BRUSSELS	Cs-134	Bq/m²	13	13	< 1.52 (1.369 - 1.658)	0	
2024	Total deposition filtered	BRUSSELS	Cs-137	Bq/m²	13	13	< 1.584 (1.31 - 1.787)	0	
2024	Total deposition filtered	BRUSSELS	H-3	Bq/m²	13	12	< 226 (120.9 - 431.6)	1	156.5
2024	Total deposition filtered	BRUSSELS	I-131	Bq/m²	13	13	< 7.951 (4.761 - 17.55)	0	
2024	Total deposition filtered	BRUSSELS	K-40	Bq/m²	13	0		13	0.9644 (0.2036 - 2.933)
2024	Total deposition filtered	BRUSSELS	Nb-95	Bq/m²	13	13	< 2.239 (1.694 - 2.55)	0	
2024	Total deposition filtered	BRUSSELS	R-Beta	Bq/l	13	1	< 0.00279	12	0.01766 (0.01179 - 0.02813)
2024	Total deposition filtered	BRUSSELS	Ru-103	Bq/m²	13	13	< 2.062 (1.659 - 2.308)	0	
2024	Total deposition filtered	BRUSSELS	Ru-106	Bq/m²	13	13	< 13.61 (11.6 - 15.66)	0	
2024	Total deposition filtered	BRUSSELS	T-Alfa	Bq/m²	13	0		13	0.3276 (0.1586 - 1.075)
2024	Total deposition filtered	BRUSSELS	T-Beta	Bq/m²	13	0		13	2.809 (1.644 - 4.643)
2024	Total deposition filtered	BRUSSELS	Zr-95	Bq/m²	13	13	< 3.337 (2.663 - 3.856)	0	
2024	Total deposition residue	BRUSSELS	Be-7	Bq/m²	13	0		13	18.89 (7.15 - 31.84)
2024	Total deposition residue	BRUSSELS	Ce-141	Bq/m²	13	13	< 1.244 (1.029 - 1.562)	0	
2024	Total deposition residue	BRUSSELS	Ce-144	Bq/m²	13	13	< 3.483 (3.118 - 4.148)	0	
2024	Total deposition residue	BRUSSELS	Cs-134	Bq/m²	13	13	< 0.7059 (0.6068 - 0.8767)	0	
2024	Total deposition residue	BRUSSELS	Cs-137	Bq/m²	13	12	< 0.7011 (0.4545 - 0.8787)	1	0.4168
2024	Total deposition residue	BRUSSELS	I-131	Bq/m²	13	13	< 3.191 (1.862 - 5.048)	0	
2024	Total deposition residue	BRUSSELS	K-40	Bq/m²	13	13	< 9.862 (8.67 - 12.3)	0	
2024	Total deposition residue	BRUSSELS	Nb-95	Bq/m²	13	13	< 0.925 (0.7228 - 1.195)	0	
2024	Total deposition residue	BRUSSELS	Ru-103	Bq/m²	13	13	< 0.8529 (0.6978 - 1.117)	0	
2024	Total deposition residue	BRUSSELS	Ru-106	Bq/m²	13	13	< 6.094 (5.172 - 7.429)	0	
2024	Total deposition residue	BRUSSELS	T-Alfa	Bq/m²	13	0		13	0.7808 (0.1975 - 1.901)
2024	Total deposition residue	BRUSSELS	T-Beta	Bq/m²	13	0		13	3.699 (1.098 - 7.933)
2024	Total deposition residue	BRUSSELS	Zr-95	Bq/m²	13	13	< 1.353 (1.141 - 1.771)	0	
2024	Topsoil and grass	BRUSSELS	Ag-110m	Bq/kg	1	1	< 1.466	0	
2024	Topsoil and grass	BRUSSELS	Be-7	Bq/kg	1	1	< 11.99	0	
2024	Topsoil and grass	BRUSSELS	Co-57	Bq/kg	1	1	< 0.6941	0	
2024	Topsoil and grass	BRUSSELS	Co-58	Bq/kg	1	1	< 1.36	0	
2024	Topsoil and grass	BRUSSELS	Co-60	Bq/kg	1	1	< 1.056	0	
2024	Topsoil and grass	BRUSSELS	Cs-134	Bq/kg	1	1	< 1.001	0	
2024	Topsoil and grass	BRUSSELS	Cs-137	Bq/kg	1	0		1	2.592
2024	Topsoil and grass	BRUSSELS	I-131	Bq/kg	1	1	< 21.47	0	
2024	Topsoil and grass	BRUSSELS	K-40	Bq/kg	1	0		1	414.4
2024	Topsoil and grass	BRUSSELS	Mn-54	Bq/kg	1	1	< 1.142	0	
2024	Topsoil and grass	BRUSSELS	Ra-226	Bq/kg	1	0		1	36.99
2024	Topsoil and grass	BRUSSELS	Ra-228	Bq/kg	1	0		1	34.53
2024	Topsoil and grass	BRUSSELS	Ru-106	Bq/kg	1	1	< 8.653	0	
2024	Topsoil and grass	BRUSSELS	Sb-125	Bq/kg	1	1	< 2.68	0	
2024	Topsoil and grass	BRUSSELS	Th-228	Bq/kg	1	0		1	36.94

2024	Topsoil and grass	BRUSSELS	Zn-65	Bq/kg	1	1	< 3.253	0	

Table S7. Radioactivity measurements along the Belgian coast: atmosphere, soil, and the North Sea (water, sediments, and fauna and flora).

Values are expressed in Bq/kg dry matter, Bq/liter, Bq/m² or Bq/m³ (DL: detection limit).

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2024	Outdoor air	KOKSIJDE	Be-7	Bq/m³	13	1	< 0.00019	12	0.00187 (0.0013 - 0.0023)
2024	Outdoor air	KOKSIJDE	Ce-141	Bq/m³	13	13	< 2.184e-05 (9e-06 - 7e-05)	0	
2024	Outdoor air	KOKSIJDE	Ce-144	Bq/m³	13	13	< 2.519e-05 (1.1e-05 - 5e-05)	0	
2024	Outdoor air	KOKSIJDE	Cs-134	Bq/m³	13	13	< 3.877e-06 (2.7e-06 - 7e-06)	0	
2024	Outdoor air	KOKSIJDE	Cs-137	Bq/m³	13	13	< 4.085e-06 (2.6e-06 - 7e-06)	0	
2024	Outdoor air	KOKSIJDE	I-131	Bq/m³	13	13	< 0.002168 (3.8e-05 - 0.017)	0	
2024	Outdoor air	KOKSIJDE	K-40	Bq/m³	13	12	< 6.297e-05 (3.5e-05 - 0.00012)	1	0.00012
2024	Outdoor air	KOKSIJDE	Nb-95	Bq/m³	13	13	< 1.351e-05 (5.2e-06 - 4e-05)	0	
2024	Outdoor air	KOKSIJDE	Ru-103	Bq/m³	13	13	< 1.101e-05 (5.2e-06 - 3e-05)	0	
2024	Outdoor air	KOKSIJDE	Ru-106	Bq/m³	13	13	< 3.727e-05 (2.59e-05 - 7e-05)	0	
2024	Outdoor air	KOKSIJDE	Se-75	Bq/m³	13	13	< 6.046e-06 (3e-06 - 1.3e-05)	0	
2024	Outdoor air	KOKSIJDE	T-Beta	Bq/m³	169	0		169	0.0002811 (1.5e-05 - 0.00179)
2024	Outdoor air	KOKSIJDE	Zr-95	Bq/m³	13	13	< 1.306e-05 (7.5e-06 - 3e-05)	0	
2024	Topsoil and grass	KOKSIJDE	Ag-110m	Bq/kg	1	1	< 1	0	
2024	Topsoil and grass	KOKSIJDE	Be-7	Bq/kg	1	1	< 9	0	
2024	Topsoil and grass	KOKSIJDE	Co-57	Bq/kg	1	1	< 0.6	0	
2024	Topsoil and grass	KOKSIJDE	Co-58	Bq/kg	1	1	< 1	0	
2024	Topsoil and grass	KOKSIJDE	Co-60	Bq/kg	1	1	< 0.9	0	
2024	Topsoil and grass	KOKSIJDE	Cs-134	Bq/kg	1	1	< 0.7	0	
2024	Topsoil and grass	KOKSIJDE	Cs-137	Bq/kg	1	0		1	2.7
2024	Topsoil and grass	KOKSIJDE	I-131	Bq/kg	1	1	< 8	0	
2024	Topsoil and grass	KOKSIJDE	K-40	Bq/kg	1	0		1	280
2024	Topsoil and grass	KOKSIJDE	Mn-54	Bq/kg	1	1	< 0.9	0	
2024	Topsoil and grass	KOKSIJDE	Ra-226	Bq/kg	1	0		1	11
2024	Topsoil and grass	KOKSIJDE	Ra-228	Bq/kg	1	0		1	10.4
2024	Topsoil and grass	KOKSIJDE	Th-228	Bq/kg	1	0		1	10.5
2024	Topsoil and grass	KOKSIJDE	Zn-65	Bq/kg	1	1	< 2.1	0	
2024	North Sea water	NORTH SEA	Ag-110m	Bq/l	4	4	< 0.065 (0.04 - 0.09)	0	
2024	North Sea water	NORTH SEA	Be-7	Bq/l	4	4	< 0.825 (0.5 - 1.1)	0	
2024	North Sea water	NORTH SEA	Co-57	Bq/l	4	4	< 0.0575 (0.04 - 0.08)	0	
2024	North Sea water	NORTH SEA	Co-58	Bq/l	4	4	< 0.0875 (0.05 - 0.12)	0	
2024	North Sea water	NORTH SEA	Co-60	Bq/l	4	4	< 0.0625 (0.04 - 0.09)	0	
2024	North Sea water	NORTH SEA	Cs-134	Bq/l	4	4	< 0.0018 (0.0012 - 0.0026)	0	
2024	North Sea water	NORTH SEA	Cs-137	Bq/l	4	4	< 0.00205 (0.0012 - 0.003)	0	
2024	North Sea water	NORTH SEA	I-131	Bq/l	4	4	< 2.6 (1.9 - 4)	0	
2024	North Sea water	NORTH SEA	K-40	Bq/l	4	0		4	10.1 (7.7 - 11.4)
2024	North Sea water	NORTH SEA	Mn-54	Bq/l	4	4	< 0.0625 (0.04 - 0.09)	0	
2024	North Sea water	NORTH SEA	Pu(239+240)	Bq/l	4	4	< 9.75e-05 (8e-05 - 0.00013)	0	
2024	North Sea water	NORTH SEA	Pu-238	Bq/l	4	4	< 0.00011 (8e-05 - 0.00018)	0	
2024	North Sea water	NORTH SEA	Ra-226	Bq/l	4	4	< 0.13 (0.07 - 0.19)	0	
2024	North Sea water	NORTH SEA	Ra-228	Bq/l	4	2	< 0.235 (0.17 - 0.3)	2	0.43 (0.26 - 0.6)
2024	North Sea water	NORTH SEA	T-Alfa	Bq/l	4	0		4	0.07375 (0.073 - 0.075)
2024	North Sea water	NORTH SEA	T-Beta	Bq/l	4	0		4	9.9 (8.7 - 11)
2024	North Sea water	NORTH SEA	Th-228	Bq/l	4	4	< 0.115 (0.08 - 0.16)	0	
2024	North Sea water	NORTH SEA	U-238	Bq/l	1	1	< 1.6	0	
2024	North Sea water	NORTH SEA	Zn-65	Bq/l	4	4	< 0.15 (0.09 - 0.22)	0	
2024	North Sea sediments	NORTH SEA	Ag-110m	Bq/kg	4	4	< 0.475 (0.3 - 0.8)	0	
2024	North Sea sediments	NORTH SEA	Be-7	Bq/kg	4	4	< 7 (5 - 11)	0	
2024	North Sea sediments	NORTH SEA	Co-57	Bq/kg	4	4	< 0.425 (0.3 - 0.6)	0	
2024	North Sea sediments	NORTH SEA	Co-58	Bq/kg	4	4	< 0.65 (0.5 - 1)	0	
2024	North Sea sediments	NORTH SEA	Co-60	Bq/kg	4	4	< 0.425 (0.3 - 0.6)	0	
2024	North Sea sediments	NORTH SEA	Cs-134	Bq/kg	4	4	< 0.475 (0.3 - 0.8)	0	
2024	North Sea sediments	NORTH SEA	Cs-137	Bq/kg	4	4	< 0.4 (0.3 - 0.5)	0	
2024	North Sea sediments	NORTH SEA	I-131	Bq/kg	4	4	< 43.75 (27 - 90)	0	
2024	North Sea sediments	NORTH SEA	K-40	Bq/kg	4	0		4	228 (199 - 258)

2024	North Sea sediments	NORTH SEA	Mn-54	Bq/kg	4	4	< 0.45 (0.3 - 0.7)	0	
2024	North Sea sediments	NORTH SEA	Pu(239+240)	Bq/kg	4	4	< 0.31 (0.25 - 0.4)	0	
2024	North Sea sediments	NORTH SEA	Pu-238	Bq/kg	4	3	< 0.3033 (0.21 - 0.4)	1	0.5
2024	North Sea sediments	NORTH SEA	Ra-226	Bq/kg	4	0		4	9.825 (4.7 - 14)
2024	North Sea sediments	NORTH SEA	Ra-228	Bq/kg	4	0		4	10.55 (5 - 16.8)
2024	North Sea sediments	NORTH SEA	Th-228	Bq/kg	4	0		4	10.78 (5.1 - 17.7)
2024	North Sea sediments	NORTH SEA	U-238	Bq/kg	1	0		1	17
2024	North Sea sediments	NORTH SEA	Zn-65	Bq/kg	4	4	< 1.35 (0.9 - 2)	0	
2024	North Sea mussels	OOSTENDE	Ag-110m	Bq/kg	4	3	< 0.7667 (0.6 - 1)	1	0.67
2024	North Sea mussels	OOSTENDE	Am-241	Bq/kg	4	3	< 0.06 (0.03 - 0.08)	1	0.07
2024	North Sea mussels	OOSTENDE	Be-7	Bq/kg	4	4	< 8 (6 - 10)	0	
2024	North Sea mussels	OOSTENDE	Co-57	Bq/kg	4	4	< 0.515 (0.26 - 0.7)	0	
2024	North Sea mussels	OOSTENDE	Co-58	Bq/kg	4	4	< 0.875 (0.7 - 1)	0	
2024	North Sea mussels	OOSTENDE	Co-60	Bq/kg	4	4	< 0.75 (0.6 - 0.9)	0	
2024	North Sea mussels	OOSTENDE	Cs-134	Bq/kg	4	4	< 0.65 (0.5 - 0.8)	0	
2024	North Sea mussels	OOSTENDE	Cs-137	Bq/kg	4	4	< 0.8 (0.6 - 1.1)	0	
2024	North Sea mussels	OOSTENDE	H-3	Bq/kg	4	3	< 12.33 (6 - 23)	1	8
2024	North Sea mussels	OOSTENDE	I-131	Bq/kg	4	4	< 10.5 (7 - 15)	0	
2024	North Sea mussels	OOSTENDE	K-40	Bq/kg	4	0		4	230 (197 - 278)
2024	North Sea mussels	OOSTENDE	Mn-54	Bq/kg	4	4	< 0.725 (0.6 - 0.9)	0	
2024	North Sea mussels	OOSTENDE	Pu(239+240)	Bq/kg	4	3	< 0.045 (0.025 - 0.08)	1	0.6
2024	North Sea mussels	OOSTENDE	Pu-238	Bq/kg	4	4	< 0.05 (0.03 - 0.08)	0	
2024	North Sea mussels	OOSTENDE	Ra-226	Bq/kg	4	4	< 1.35 (1 - 1.8)	0	
2024	North Sea mussels	OOSTENDE	Ra-228	Bq/kg	4	3	< 3.033 (2.1 - 4)	1	5
2024	North Sea mussels	OOSTENDE	Sr-90	Bq/kg	4	4	< 3.475 (1.9 - 5)	0	
2024	North Sea mussels	OOSTENDE	Th-228	Bq/kg	4	3	< 1.5 (1 - 1.9)	1	0.81
2024	North Sea mussels	OOSTENDE	Zn-65	Bq/kg	4	4	< 1.75 (1.4 - 2.2)	0	
2024	North Sea fish	NORTH SEA	Ag-110m	Bq/kg	8	8	< 0.9375 (0.7 - 1.3)	0	
2024	North Sea fish	NORTH SEA	Am-241	Bq/kg	8	8	< 0.04 (0.03 - 0.05)	0	
2024	North Sea fish	NORTH SEA	Be-7	Bq/kg	8	8	< 14 (10 - 20)	0	
2024	North Sea fish	NORTH SEA	Co-57	Bq/kg	8	8	< 0.4612 (0.29 - 1)	0	
2024	North Sea fish	NORTH SEA	Co-58	Bq/kg	8	8	< 1.562 (1.3 - 2.1)	0	
2024	North Sea fish	NORTH SEA	Co-60	Bq/kg	8	8	< 1 (0.8 - 1.5)	0	
2024	North Sea fish	NORTH SEA	Cs-134	Bq/kg	8	8	< 0.8 (0.6 - 1.1)	0	
2024	North Sea fish	NORTH SEA	Cs-137	Bq/kg	8	8	< 0.8875 (0.7 - 1.1)	0	
2024	North Sea fish	NORTH SEA	H-3	Bq/kg	8	8	< 13.75 (11 - 19)	0	
2024	North Sea fish	NORTH SEA	I-131	Bq/kg	8	8	< 285 (200 - 400)	0	
2024	North Sea fish	NORTH SEA	K-40	Bq/kg	8	0		8	388.8 (350 - 430)
2024	North Sea fish	NORTH SEA	Mn-54	Bq/kg	8	8	< 0.9875 (0.9 - 1.3)	0	
2024	North Sea fish	NORTH SEA	Pu(239+240)	Bq/kg	8	8	< 0.04625 (0.04 - 0.06)	0	
2024	North Sea fish	NORTH SEA	Pu-238	Bq/kg	8	8	< 0.04875 (0.04 - 0.06)	0	
2024	North Sea fish	NORTH SEA	Ra-226	Bq/kg	8	5	< 1.46 (0.9 - 2.1)	3	10.03 (1.5 - 26.7)
2024	North Sea fish	NORTH SEA	Ra-228	Bq/kg	8	7	< 3.429 (3 - 5)	1	11
2024	North Sea fish	NORTH SEA	Sr-90	Bq/kg	8	8	< 2.425 (1.8 - 3)	0	
2024	North Sea fish	NORTH SEA	Tc-99	Bq/kg	8	7	< 6.371 (2.6 - 8)	1	2.7
2024	North Sea fish	NORTH SEA	Th-228	Bq/kg	8	8	< 1.2 (0.8 - 2.1)	0	
2024	North Sea fish	NORTH SEA	Zn-65	Bq/kg	8	8	< 2.838 (2.3 - 4)	0	
2024	North Sea fish	OOSTENDE	Ag-110m	Bq/kg	12	12	< 0.95 (0.7 - 1.7)	0	
2024	North Sea fish	OOSTENDE	Am-241	Bq/kg	12	12	< 0.05 (0.02 - 0.09)	0	
2024	North Sea fish	OOSTENDE	Be-7	Bq/kg	12	12	< 10.67 (7 - 19)	0	
2024	North Sea fish	OOSTENDE	Co-57	Bq/kg	12	12	< 0.615 (0.28 - 1.2)	0	
2024	North Sea fish	OOSTENDE	Co-58	Bq/kg	12	12	< 1.217 (0.9 - 2.1)	0	
2024	North Sea fish	OOSTENDE	Co-60	Bq/kg	12	12	< 0.9917 (0.7 - 1.6)	0	
2024	North Sea fish	OOSTENDE	Cs-134	Bq/kg	12	12	< 0.8583 (0.6 - 1.4)	0	
2024	North Sea fish	OOSTENDE	Cs-137	Bq/kg	12	11	< 1.018 (0.8 - 1.8)	1	0.8
2024	North Sea fish	OOSTENDE	H-3	Bq/kg	12	12	< 11.17 (9 - 16)	0	
2024	North Sea fish	OOSTENDE	I-131	Bq/kg	12	12	< 17.17 (9 - 40)	0	
2024	North Sea fish	OOSTENDE	K-40	Bq/kg	12	0		12	421.7 (320 - 530)
2024	North Sea fish	OOSTENDE	Mn-54	Bq/kg	12	12	< 0.95 (0.7 - 1.6)	0	

2024	North Sea fish	OOSTENDE	Pu(239+240)	Bq/kg	12	12	< 0.03625 (0.02 - 0.06)	0	
2024	North Sea fish	OOSTENDE	Pu-238	Bq/kg	12	12	< 0.0435 (0.02 - 0.08)	0	
2024	North Sea fish	OOSTENDE	Ra-226	Bq/kg	12	12	< 1.75 (1.1 - 3)	0	
2024	North Sea fish	OOSTENDE	Ra-228	Bq/kg	12	11	< 3.727 (3 - 6)	1	12
2024	North Sea fish	OOSTENDE	Sr-90	Bq/kg	12	12	< 3.15 (1.4 - 5)	0	
2024	North Sea fish	OOSTENDE	Tc-99	Bq/kg	12	12	< 12.92 (4 - 40)	0	
2024	North Sea fish	OOSTENDE	Th-228	Bq/kg	12	12	< 1.467 (0.8 - 2.6)	0	
2024	North Sea fish	OOSTENDE	Zn-65	Bq/kg	12	12	< 2.492 (1.8 - 4)	0	
2024	North Sea aquatic plants	OOSTENDE	Ag-110m	Bq/kg	4	4	< 0.7 (0.5 - 0.9)	0	
2024	North Sea aquatic plants	OOSTENDE	Am-241	Bq/kg	4	4	< 0.1225 (0.1 - 0.16)	0	
2024	North Sea aquatic plants	OOSTENDE	Be-7	Bq/kg	4	1	< 10	3	10.03 (5.8 - 17)
2024	North Sea aquatic plants	OOSTENDE	Co-57	Bq/kg	4	4	< 0.5 (0.4 - 0.6)	0	
2024	North Sea aquatic plants	OOSTENDE	Co-58	Bq/kg	4	4	< 1 (0.7 - 1.3)	0	
2024	North Sea aquatic plants	OOSTENDE	Co-60	Bq/kg	4	4	< 0.8 (0.5 - 1.1)	0	
2024	North Sea aquatic plants	OOSTENDE	Cs-134	Bq/kg	4	4	< 0.675 (0.5 - 0.8)	0	
2024	North Sea aquatic plants	OOSTENDE	Cs-137	Bq/kg	4	4	< 0.725 (0.5 - 1)	0	
2024	North Sea aquatic plants	OOSTENDE	H-3	Bq/kg	4	3	< 8 (6 - 9)	1	20
2024	North Sea aquatic plants	OOSTENDE	I-131	Bq/kg	4	4	< 11.25 (9 - 16)	0	
2024	North Sea aquatic plants	OOSTENDE	K-40	Bq/kg	4	0		4	1132 (950 - 1460)
2024	North Sea aquatic plants	OOSTENDE	Mn-54	Bq/kg	4	4	< 0.775 (0.5 - 1.1)	0	
2024	North Sea aquatic plants	OOSTENDE	Pu(239+240)	Bq/kg	4	4	< 0.115 (0.09 - 0.17)	0	
2024	North Sea aquatic plants	OOSTENDE	Pu-238	Bq/kg	4	4	< 0.115 (0.09 - 0.15)	0	
2024	North Sea aquatic plants	OOSTENDE	Ra-226	Bq/kg	4	0		4	2.625 (1.6 - 3.8)
2024	North Sea aquatic plants	OOSTENDE	Ra-228	Bq/kg	4	0		4	4.925 (3.6 - 7.7)
2024	North Sea aquatic plants	OOSTENDE	Sr-90	Bq/kg	4	4	< 4.75 (2 - 7)	0	
2024	North Sea aquatic plants	OOSTENDE	Tc-99	Bq/kg	4	3	< 30 (30 - 30)	1	54
2024	North Sea aquatic plants	OOSTENDE	Th-228	Bq/kg	4	4	< 1.15 (1 - 1.3)	0	
2024	North Sea aquatic plants	OOSTENDE	Zn-65	Bq/kg	4	4	< 2.225 (1.4 - 3)	0	
2024	North Sea shrimps	OOSTENDE	Ag-110m	Bq/kg	4	4	< 0.55 (0.4 - 0.8)	0	
2024	North Sea shrimps	OOSTENDE	Am-241	Bq/kg	4	4	< 0.0825 (0.06 - 0.1)	0	
2024	North Sea shrimps	OOSTENDE	Be-7	Bq/kg	4	4	< 6.25 (4 - 9)	0	
2024	North Sea shrimps	OOSTENDE	Co-57	Bq/kg	4	4	< 0.3075 (0.18 - 0.5)	0	
2024	North Sea shrimps	OOSTENDE	Co-58	Bq/kg	4	4	< 0.75 (0.5 - 1)	0	
2024	North Sea shrimps	OOSTENDE	Co-60	Bq/kg	4	4	< 0.65 (0.5 - 0.8)	0	
2024	North Sea shrimps	OOSTENDE	Cs-134	Bq/kg	4	4	< 0.5 (0.4 - 0.7)	0	
2024	North Sea shrimps	OOSTENDE	Cs-137	Bq/kg	4	4	< 0.575 (0.4 - 0.8)	0	
2024	North Sea shrimps	OOSTENDE	H-3	Bq/kg	4	2	< 20 (19 - 21)	2	11.3 (9.6 - 13)
2024	North Sea shrimps	OOSTENDE	I-131	Bq/kg	4	4	< 9.5 (5 - 14)	0	
2024	North Sea shrimps	OOSTENDE	K-40	Bq/kg	4	0		4	218.5 (118 - 290)
2024	North Sea shrimps	OOSTENDE	Mn-54	Bq/kg	4	4	< 0.575 (0.4 - 0.7)	0	
2024	North Sea shrimps	OOSTENDE	Pu(239+240)	Bq/kg	4	4	< 0.07225 (0.029 - 0.11)	0	
2024	North Sea shrimps	OOSTENDE	Pu-238	Bq/kg	4	4	< 0.0675 (0.04 - 0.11)	0	
2024	North Sea shrimps	OOSTENDE	Ra-226	Bq/kg	4	4	< 1.1 (0.8 - 1.6)	0	
2024	North Sea shrimps	OOSTENDE	Ra-228	Bq/kg	4	4	< 2.3 (1.6 - 3)	0	
2024	North Sea shrimps	OOSTENDE	Sr-90	Bq/kg	4	4	< 5.05 (2.3 - 11)	0	
2024	North Sea shrimps	OOSTENDE	Th-228	Bq/kg	4	4	< 2.225 (0.5 - 7)	0	
2024	North Sea shrimps	OOSTENDE	Zn-65	Bq/kg	4	4	< 1.525 (1.1 - 2)	0	

Table S8. Radioactivity measurements in the food chain: drinking water, foodstuffs (fish, fruits and vegetables, and meat), cow's milk, 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.

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2024	Drinking water	BRUSSELS	H-3	Bq/l	4	2	< 7.5 (5 - 10)	2	9.5 (7 - 12)
2024	Drinking water	BRUSSELS	K-40	Bq/l	4	0		4	0.103 (0.085 - 0.123)
2024	Drinking water	BRUSSELS	R-Beta	Bq/l	4	4	< 0.0475 (0.03 - 0.08)	0	
2024	Drinking water	BRUSSELS	Rn-222	Bq/l	4	4	< 0.7 (0.4 - 1.1)	0	
2024	Drinking water	BRUSSELS	T-Alfa	Bq/l	4	3	< 0.013 (0.012 - 0.014)	1	0.014
2024	Drinking water	BRUSSELS	T-Beta	Bq/l	4	0		4	0.13 (0.11 - 0.16)
2024	Drinking water	FLEURUS	H-3	Bq/l	4	3	< 1.843 (0.9003 - 2.388)	1	4.663
2024	Drinking water	FLEURUS	K-40	Bq/l	4	0		4	0.04058 (0.03423 - 0.04682)
2024	Drinking water	FLEURUS	R-Beta	Bq/l	4	2	< 0.04209 (0.0413 - 0.04289)	2	0.06288 (0.06214 - 0.06361)
2024	Drinking water	FLEURUS	Ra-226	Bq/l	4	0		4	0.06914 (0.05902 - 0.07887)
2024	Drinking water	FLEURUS	Rn-222	Bq/l	4	0		4	7.144 (4.412 - 12.61)
2024	Drinking water	FLEURUS	T-Alfa	Bq/l	4	1	< 0.01784	3	0.1222 (0.09284 - 0.14)
2024	Drinking water	FLEURUS	T-Beta	Bq/l	4	1	< 0.0413	3	0.08524 (0.04614 - 0.1104)
2024	Drinking water	GENT-SCHELDEWINDEKE	H-3	Bq/l	4	1	< 10	3	14.97 (8 - 19.9)
2024	Drinking water	GENT-SCHELDEWINDEKE	K-40	Bq/l	4	0		4	0.1068 (0.096 - 0.115)
2024	Drinking water	GENT-SCHELDEWINDEKE	R-Beta	Bq/l	4	3	< 0.05 (0.03 - 0.08)	1	0.07
2024	Drinking water	GENT-SCHELDEWINDEKE	Rn-222	Bq/l	4	3	< 0.5533 (0.26 - 1)	1	0.65
2024	Drinking water	GENT-SCHELDEWINDEKE	T-Alfa	Bq/l	4	3	< 0.013 (0.011 - 0.014)	1	0.044
2024	Drinking water	GENT-SCHELDEWINDEKE	T-Beta	Bq/l	4	0		4	0.15 (0.12 - 0.19)
2024	Drinking water	HASSELT-ZEPPEREN	H-3	Bq/l	4	4	< 6.25 (5 - 10)	0	
2024	Drinking water	HASSELT-ZEPPEREN	K-40	Bq/l	4	0		4	0.1122 (0.089 - 0.146)
2024	Drinking water	HASSELT-ZEPPEREN	R-Beta	Bq/l	4	4	< 0.0375 (0.03 - 0.04)	0	
2024	Drinking water	HASSELT-ZEPPEREN	Rn-222	Bq/l	4	0		4	2.85 (2.1 - 4.1)
2024	Drinking water	HASSELT-ZEPPEREN	T-Alfa	Bq/l	4	2	< 0.0135 (0.013 - 0.014)	2	0.0175 (0.017 - 0.018)
2024	Drinking water	HASSELT-ZEPPEREN	T-Beta	Bq/l	4	0		4	0.1225 (0.09 - 0.17)
2024	Drinking water	LEUVEN	H-3	Bq/l	4	4	< 6.25 (5 - 10)	0	
2024	Drinking water	LEUVEN	K-40	Bq/l	4	0		4	0.07925 (0.078 - 0.081)
2024	Drinking water	LEUVEN	R-Beta	Bq/l	4	4	< 0.04 (0.04 - 0.04)	0	
2024	Drinking water	LEUVEN	Rn-222	Bq/l	4	0		4	4.9 (2 - 7.3)
2024	Drinking water	LEUVEN	T-Alfa	Bq/l	4	1	< 0.019	3	0.03567 (0.021 - 0.049)
2024	Drinking water	LEUVEN	T-Beta	Bq/l	4	0		4	0.1025 (0.08 - 0.11)
2024	Drinking water	LIBRAMONT-CHEVIGNY	H-3	Bq/l	4	4	< 1.618 (0.8995 - 2.308)	0	
2024	Drinking water	LIBRAMONT-CHEVIGNY	K-40	Bq/l	4	0		4	0.0172 (0.01423 - 0.0233)
2024	Drinking water	LIBRAMONT-CHEVIGNY	R-Beta	Bq/l	4	4	< 0.04126 (0.03914 - 0.04234)	0	
2024	Drinking water	LIBRAMONT-CHEVIGNY	Ra-226	Bq/l	4	4	< 0.004983 (0.004327 - 0.00555)	0	
2024	Drinking water	LIBRAMONT-CHEVIGNY	Rn-222	Bq/l	4	0		4	27.77 (23.42 - 30.97)
2024	Drinking water	LIBRAMONT-CHEVIGNY	T-Alfa	Bq/l	4	2	< 0.01736 (0.01563 - 0.01909)	2	0.02403 (0.02303 - 0.02502)
2024	Drinking water	LIBRAMONT-CHEVIGNY	T-Beta	Bq/l	4	3	< 0.04196 (0.04126 - 0.04234)	1	0.05027
2024	Drinking water	LIEGE	H-3	Bq/l	4	4	< 1.913 (1.172 - 2.241)	0	
2024	Drinking water	LIEGE	K-40	Bq/l	4	0		4	0.07045 (0.0671 - 0.07407)
2024	Drinking water	LIEGE	R-Beta	Bq/l	4	4	< 0.04133 (0.04092 - 0.04206)	0	
2024	Drinking water	LIEGE	Ra-226	Bq/l	4	2	< 0.005816 (0.005394 - 0.006238)	2	0.007882 (0.007833 - 0.007932)
2024	Drinking water	LIEGE	Rn-222	Bq/l	4	1	< 0.3923	3	0.9397 (0.7797 - 1.252)
2024	Drinking water	LIEGE	T-Alfa	Bq/l	4	1	< 0.03468	3	0.04876 (0.04247 - 0.05261)
2024	Drinking water	LIEGE	T-Beta	Bq/l	4	0		4	0.09131 (0.07887 - 0.1073)
2024	Drinking water	MOL	H-3	Bq/l	4	4	< 6.25 (5 - 10)	0	
2024	Drinking water	MOL	K-40	Bq/l	4	0		4	0.127 (0.11 - 0.134)
2024	Drinking water	MOL	R-Beta	Bq/l	4	4	< 0.05 (0.04 - 0.08)	0	
2024	Drinking water	MOL	Rn-222	Bq/l	4	2	< 0.65 (0.4 - 0.9)	2	1.525 (1.49 - 1.56)
2024	Drinking water	MOL	T-Alfa	Bq/l	4	4	< 0.00975 (0.009 - 0.011)	0	
2024	Drinking water	MOL	T-Beta	Bq/l	4	0		4	0.1475 (0.13 - 0.17)
2024	Drinking water	NAMUR	H-3	Bq/l	4	1	< 2.251	3	17.69 (10.77 - 22.37)
2024	Drinking water	NAMUR	K-40	Bq/l	4	0		4	0.05843 (0.04885 - 0.07527)
2024	Drinking water	NAMUR	R-Beta	Bq/l	4	4	< 0.04156 (0.03861 - 0.04461)	0	
2024	Drinking water	NAMUR	Ra-226	Bq/l	4	4	< 0.005325 (0.004478 - 0.006723)	0	

2024	Drinking water	NAMUR	Rn-222	Bq/l	4	3	< 0.4256 (0.3944 - 0.4698)	1	0.3179
2024	Drinking water	NAMUR	T-Alfa	Bq/l	4	4	< 0.02411 (0.01857 - 0.02721)	0	
2024	Drinking water	NAMUR	T-Beta	Bq/l	4	0		4	0.07896 (0.06267 - 0.09611)
2024	Drinking water	POPERINGE	H-3	Bq/l	4	2	< 6 (5 - 7)	2	13.65 (8.3 - 19)
2024	Drinking water	POPERINGE	K-40	Bq/l	4	0		4	0.244 (0.049 - 0.67)
2024	Drinking water	POPERINGE	R-Beta	Bq/l	4	4	< 0.0625 (0.03 - 0.12)	0	
2024	Drinking water	POPERINGE	Rn-222	Bq/l	4	2	< 0.7 (0.4 - 1)	2	0.75 (0.32 - 1.18)
2024	Drinking water	POPERINGE	T-Alfa	Bq/l	4	4	< 0.015 (0.014 - 0.017)	0	
2024	Drinking water	POPERINGE	T-Beta	Bq/l	4	1	< 0.06	3	0.3333 (0.09 - 0.73)
2024	Drinking water	RENINGELST	H-3	Bq/l	4	3	< 7.333 (5 - 10)	1	11
2024	Drinking water	RENINGELST	K-40	Bq/l	4	0		4	0.168 (0.147 - 0.184)
2024	Drinking water	RENINGELST	R-Beta	Bq/l	4	2	< 0.045 (0.04 - 0.05)	2	0.075 (0.07 - 0.08)
2024	Drinking water	RENINGELST	Ra-226	Bq/l	4	0		4	0.09675 (0.079 - 0.116)
2024	Drinking water	RENINGELST	Rn-222	Bq/l	4	0		4	2.422 (1.7 - 3)
2024	Drinking water	RENINGELST	T-Alfa	Bq/l	4	0		4	0.1238 (0.107 - 0.15)
2024	Drinking water	RENINGELST	T-Beta	Bq/l	4	0		4	0.2175 (0.15 - 0.25)
2024	Drinking water	WAVRE	H-3	Bq/l	4	3	< 1.815 (0.9902 - 2.242)	1	5.96
2024	Drinking water	WAVRE	K-40	Bq/l	4	0		4	0.09865 (0.05184 - 0.1402)
2024	Drinking water	WAVRE	R-Beta	Bq/l	4	3	< 0.0361 (0.02431 - 0.04423)	1	0.06092
2024	Drinking water	WAVRE	Ra-226	Bq/l	4	0		4	0.00934 (0.006011 - 0.01222)
2024	Drinking water	WAVRE	Rn-222	Bq/l	4	0		4	9.628 (1.039 - 17.36)
2024	Drinking water	WAVRE	T-Alfa	Bq/l	4	3	< 0.03373 (0.02988 - 0.03682)	1	0.0374
2024	Drinking water	WAVRE	T-Beta	Bq/l	4	1	< 0.02431	3	0.1153 (0.06887 - 0.1642)
2024	Milk cow	BEERSEL	Cs-137	Bq/l	51	51	< 0.1879 (0.011 - 0.6)	0	
2024	Milk cow	BEERSEL	I-131	Bq/l	51	51	< 1.13 (0.0023 - 6)	0	
2024	Milk cow	BEERSEL	K-40	Bq/l	51	0		51	50.16 (43 - 56)
2024	Milk cow	BEERSEL	Sr-90	Bq/l	13	13	< 0.05385 (0.03 - 0.07)	0	
2024	Milk cow	BEVEREN	Cs-137	Bq/l	51	51	< 0.2073 (0.011 - 0.27)	0	
2024	Milk cow	BEVEREN	I-131	Bq/l	51	51	< 0.2599 (0.0013 - 0.3)	0	
2024	Milk cow	BEVEREN	K-40	Bq/l	51	0		51	46.94 (35 - 60)
2024	Milk cow	BEVEREN	Sr-90	Bq/l	13	13	< 0.05538 (0.04 - 0.07)	0	
2024	Milk cow	CHOOZ	Cs-137	Bq/l	52	52	< 0.7485 (0.479 - 1.913)	0	
2024	Milk cow	CHOOZ	I-131	Bq/l	52	52	< 1.971 (1.013 - 7.537)	0	
2024	Milk cow	CHOOZ	K-40	Bq/l	52	1	< 12.19	51	47.9 (38.23 - 58.9)
2024	Milk cow	CHOOZ	Sr-90	Bq/l	13	13	< 0.05902 (0.03045 - 0.1015)	0	
2024	Milk cow	FLEURUS	Cs-137	Bq/l	52	52	< 0.7848 (0.3721 - 2.17)	0	
2024	Milk cow	FLEURUS	I-131	Bq/l	52	52	< 2.132 (0.697 - 7.624)	0	
2024	Milk cow	FLEURUS	K-40	Bq/l	52	0		52	47.67 (39.55 - 77.6)
2024	Milk cow	FLEURUS	Sr-90	Bq/l	13	13	< 0.05925 (0.03252 - 0.1103)	0	
2024	Milk cow	MOL-DESSEL	Cs-137	Bq/l	51	51	< 0.2065 (0.011 - 0.25)	0	
2024	Milk cow	MOL-DESSEL	I-131	Bq/l	51	51	< 0.2487 (0.0013 - 0.3)	0	
2024	Milk cow	MOL-DESSEL	K-40	Bq/l	51	0		51	48.31 (39 - 56)
2024	Milk cow	MOL-DESSEL	Sr-90	Bq/l	13	13	< 0.05538 (0.03 - 0.07)	0	
2024	Milk cow	TIHANGE	Cs-137	Bq/l	52	52	< 0.7512 (0.3823 - 2.361)	0	
2024	Milk cow	TIHANGE	I-131	Bq/l	52	52	< 2.1 (0.7791 - 8.52)	0	
2024	Milk cow	TIHANGE	K-40	Bq/l	52	1	< 11.17	51	46.47 (33.46 - 53.88)
2024	Milk cow	TIHANGE	Sr-90	Bq/l	13	13	< 0.05844 (0.02975 - 0.09593)	0	
2024	Fish (from fresh and sea water)	DROGENBOS	Ag-110m	Bq/kg	14	14	< 1.157 (0.4 - 4)	0	
2024	Fish (from fresh and sea water)	DROGENBOS	Be-7	Bq/kg	14	14	< 12.07 (4 - 40)	0	
2024	Fish (from fresh and sea water)	DROGENBOS	Co-57	Bq/kg	14	14	< 0.7407 (0.18 - 2.9)	0	
2024	Fish (from fresh and sea water)	DROGENBOS	Co-58	Bq/kg	14	14	< 1.343 (0.6 - 4)	0	
2024	Fish (from fresh and sea water)	DROGENBOS	Co-60	Bq/kg	14	14	< 1.093 (0.6 - 3)	0	
2024	Fish (from fresh and sea water)	DROGENBOS	Cs-134	Bq/kg	14	14	< 0.95 (0.4 - 3)	0	
2024	Fish (from fresh and sea water)	DROGENBOS	Cs-137	Bq/kg	14	11	< 1.336 (0.5 - 4)	3	0.7167 (0.66 - 0.8)
2024	Fish (from fresh and sea water)	DROGENBOS	K-40	Bq/kg	14	0		14	453.6 (400 - 520)
2024	Fish (from fresh and sea water)	DROGENBOS	Mn-54	Bq/kg	14	14	< 1.029 (0.5 - 3)	0	
2024	Fish (from fresh and sea water)	DROGENBOS	Ra-226	Bq/kg	14	14	< 2.05 (0.7 - 7)	0	
2024	Fish (from fresh and sea water)	DROGENBOS	Ra-228	Bq/kg	14	14	< 4.379 (1.9 - 15)	0	
2024	Fish (from fresh and sea water)	DROGENBOS	Sr-90	Bq/kg	3	3	< 1.367 (1 - 1.9)	0	

2024	Fish (from fresh and sea water)	DROGENBOS	Th-228	Bq/kg	14	13	< 1.715 (0.5 - 6)	1	4.9
2024	Fish (from fresh and sea water)	DROGENBOS	Zn-65	Bq/kg	14	14	< 2.85 (1.5 - 9)	0	
2024	Fish (from fresh and sea water)	FLEURUS	Ag-110m	Bq/kg	13	13	< 2.387 (1.827 - 2.927)	0	
2024	Fish (from fresh and sea water)	FLEURUS	Be-7	Bq/kg	13	13	< 28.71 (20.35 - 38.87)	0	
2024	Fish (from fresh and sea water)	FLEURUS	Co-57	Bq/kg	13	13	< 0.9987 (0.815 - 1.111)	0	
2024	Fish (from fresh and sea water)	FLEURUS	Co-58	Bq/kg	13	13	< 3.169 (2.09 - 4.097)	0	
2024	Fish (from fresh and sea water)	FLEURUS	Co-60	Bq/kg	13	13	< 2.138 (1.482 - 2.715)	0	
2024	Fish (from fresh and sea water)	FLEURUS	Cs-134	Bq/kg	13	13	< 1.757 (1.373 - 2.014)	0	
2024	Fish (from fresh and sea water)	FLEURUS	Cs-137	Bq/kg	13	12	< 1.766 (1.075 - 2.28)	1	2.274
2024	Fish (from fresh and sea water)	FLEURUS	K-40	Bq/kg	13	0		13	434.1 (354 - 533.7)
2024	Fish (from fresh and sea water)	FLEURUS	Mn-54	Bq/kg	13	13	< 1.992 (1.387 - 2.407)	0	
2024	Fish (from fresh and sea water)	FLEURUS	Ra-226	Bq/kg	13	13	< 3.308 (2.386 - 3.936)	0	
2024	Fish (from fresh and sea water)	FLEURUS	Ra-228	Bq/kg	13	13	< 7.47 (5.007 - 9.072)	0	
2024	Fish (from fresh and sea water)	FLEURUS	Sr-90	Bq/kg	4	4	< 0.1763 (0.0679 - 0.361)	0	
2024	Fish (from fresh and sea water)	FLEURUS	Th-228	Bq/kg	13	13	< 2.904 (2.138 - 3.445)	0	
2024	Fish (from fresh and sea water)	FLEURUS	Zn-65	Bq/kg	13	13	< 5.253 (3.462 - 6.475)	0	
2024	Fish (from fresh and sea water)	MOL	Ag-110m	Bq/kg	13	13	< 0.8931 (0.11 - 3)	0	
2024	Fish (from fresh and sea water)	MOL	Be-7	Bq/kg	13	13	< 11.22 (0.8 - 40)	0	
2024	Fish (from fresh and sea water)	MOL	Co-57	Bq/kg	13	13	< 0.5738 (0.05 - 2)	0	
2024	Fish (from fresh and sea water)	MOL	Co-58	Bq/kg	13	13	< 1.225 (0.13 - 4)	0	
2024	Fish (from fresh and sea water)	MOL	Co-60	Bq/kg	13	13	< 0.9515 (0.17 - 3)	0	
2024	Fish (from fresh and sea water)	MOL	Cs-134	Bq/kg	13	13	< 0.7931 (0.11 - 2.9)	0	
2024	Fish (from fresh and sea water)	MOL	Cs-137	Bq/kg	13	10	< 0.973 (0.13 - 2.9)	3	0.71 (0.59 - 0.84)
2024	Fish (from fresh and sea water)	MOL	K-40	Bq/kg	13	0		13	378.9 (86 - 530)
2024	Fish (from fresh and sea water)	MOL	Mn-54	Bq/kg	13	13	< 0.91 (0.13 - 3)	0	
2024	Fish (from fresh and sea water)	MOL	Ra-226	Bq/kg	13	13	< 1.754 (0.2 - 7)	0	
2024	Fish (from fresh and sea water)	MOL	Ra-228	Bq/kg	13	12	< 3.817 (1.9 - 13)	1	0.9
2024	Fish (from fresh and sea water)	MOL	Sr-90	Bq/kg	4	4	< 1.625 (0.7 - 2.5)	0	
2024	Fish (from fresh and sea water)	MOL	Th-228	Bq/kg	13	13	< 1.372 (0.14 - 5)	0	
2024	Fish (from fresh and sea water)	MOL	Zn-65	Bq/kg	13	13	< 2.5 (0.4 - 8)	0	
2024	Fruits & vegetables	DROGENBOS	Ag-110m	Bq/kg	14	14	< 0.8286 (0.4 - 1.4)	0	
2024	Fruits & vegetables	DROGENBOS	Be-7	Bq/kg	14	13	< 8.769 (5 - 14)	1	12
2024	Fruits & vegetables	DROGENBOS	Co-57	Bq/kg	14	14	< 0.6007 (0.23 - 1.2)	0	
2024	Fruits & vegetables	DROGENBOS	Co-58	Bq/kg	14	14	< 1.057 (0.6 - 1.6)	0	
2024	Fruits & vegetables	DROGENBOS	Co-60	Bq/kg	14	14	< 0.8857 (0.4 - 1.5)	0	
2024	Fruits & vegetables	DROGENBOS	Cs-134	Bq/kg	14	14	< 0.7286 (0.4 - 1.1)	0	
2024	Fruits & vegetables	DROGENBOS	Cs-137	Bq/kg	14	14	< 0.8357 (0.4 - 1.4)	0	
2024	Fruits & vegetables	DROGENBOS	K-40	Bq/kg	14	0		14	929.1 (298 - 1970)
2024	Fruits & vegetables	DROGENBOS	Mn-54	Bq/kg	14	14	< 0.8429 (0.5 - 1.3)	0	
2024	Fruits & vegetables	DROGENBOS	Ra-226	Bq/kg	14	14	< 1.5 (0.8 - 2.3)	0	
2024	Fruits & vegetables	DROGENBOS	Ra-228	Bq/kg	14	14	< 3.307 (1.8 - 5)	0	
2024	Fruits & vegetables	DROGENBOS	Sr-90	Bq/kg	3	3	< 2.2 (0.9 - 3)	0	
2024	Fruits & vegetables	DROGENBOS	Th-228	Bq/kg	14	14	< 1.314 (0.6 - 2.1)	0	
2024	Fruits & vegetables	DROGENBOS	Zn-65	Bq/kg	14	14	< 2.371 (1.1 - 4)	0	
2024	Fruits & vegetables	FLEURUS	Ag-110m	Bq/kg	13	13	< 5.306 (1.67 - 10.38)	0	
2024	Fruits & vegetables	FLEURUS	Be-7	Bq/kg	13	13	< 54.29 (17.68 - 112.7)	0	
2024	Fruits & vegetables	FLEURUS	Co-57	Bq/kg	13	13	< 1.991 (0.7185 - 3.432)	0	
2024	Fruits & vegetables	FLEURUS	Co-58	Bq/kg	13	13	< 6.449 (2.218 - 13.26)	0	
2024	Fruits & vegetables	FLEURUS	Co-60	Bq/kg	13	13	< 5.082 (1.727 - 8.548)	0	
2024	Fruits & vegetables	FLEURUS	Cs-134	Bq/kg	13	13	< 3.986 (1.357 - 7.166)	0	
2024	Fruits & vegetables	FLEURUS	Cs-137	Bq/kg	13	13	< 4.142 (1.391 - 7.687)	0	
2024	Fruits & vegetables	FLEURUS	K-40	Bq/kg	13	0		13	807.2 (629 - 1083)
2024	Fruits & vegetables	FLEURUS	Mn-54	Bq/kg	13	13	< 4.427 (1.465 - 8.196)	0	
2024	Fruits & vegetables	FLEURUS	Ra-226	Bq/kg	13	13	< 7.364 (2.362 - 13.36)	0	
2024	Fruits & vegetables	FLEURUS	Ra-228	Bq/kg	13	13	< 17.08 (5.845 - 31.14)	0	
2024	Fruits & vegetables	FLEURUS	Sr-90	Bq/kg	4	3	< 0.2059 (0.09832 - 0.265)	1	0.1269
2024	Fruits & vegetables	FLEURUS	Th-228	Bq/kg	13	13	< 6.095 (2.156 - 10.73)	0	
2024	Fruits & vegetables	FLEURUS	Zn-65	Bq/kg	13	13	< 11.6 (4.278 - 20.39)	0	
2024	Fruits & vegetables	MOL	Ag-110m	Bq/kg	13	13	< 0.8615 (0.5 - 2.1)	0	

2024	Fruits & vegetables	MOL	Be-7	Bq/kg	13	12	< 9.917 (5 - 22)	1	50
2024	Fruits & vegetables	MOL	Co-57	Bq/kg	13	13	< 0.5785 (0.21 - 1.5)	0	
2024	Fruits & vegetables	MOL	Co-58	Bq/kg	13	13	< 1.185 (0.7 - 2.8)	0	
2024	Fruits & vegetables	MOL	Co-60	Bq/kg	13	13	< 0.9077 (0.6 - 2.2)	0	
2024	Fruits & vegetables	MOL	Cs-134	Bq/kg	13	13	< 0.7615 (0.4 - 1.8)	0	
2024	Fruits & vegetables	MOL	Cs-137	Bq/kg	13	13	< 0.8462 (0.5 - 2)	0	
2024	Fruits & vegetables	MOL	I-131	Bq/kg	1	1	< 15	0	
2024	Fruits & vegetables	MOL	K-40	Bq/kg	13	0		13	758.5 (340 - 1130)
2024	Fruits & vegetables	MOL	Mn-54	Bq/kg	13	13	< 0.8769 (0.6 - 2)	0	
2024	Fruits & vegetables	MOL	Ra-226	Bq/kg	13	12	< 1.65 (0.8 - 4)	1	1
2024	Fruits & vegetables	MOL	Ra-228	Bq/kg	13	12	< 3.592 (2.1 - 8)	1	3.1
2024	Fruits & vegetables	MOL	Sr-90	Bq/kg	4	4	< 1.975 (1.1 - 4)	0	
2024	Fruits & vegetables	MOL	Th-228	Bq/kg	13	13	< 1.262 (0.6 - 3)	0	
2024	Fruits & vegetables	MOL	U-238	Bq/kg	1	0		1	16
2024	Fruits & vegetables	MOL	Zn-65	Bq/kg	13	13	< 2.523 (1.7 - 6)	0	
2024	Meat	DROGENBOS	Ag-110m	Bq/kg	14	14	< 0.8357 (0.4 - 1.6)	0	
2024	Meat	DROGENBOS	Be-7	Bq/kg	14	14	< 8.786 (4 - 17)	0	
2024	Meat	DROGENBOS	Co-57	Bq/kg	14	14	< 0.5057 (0.17 - 1.1)	0	
2024	Meat	DROGENBOS	Co-58	Bq/kg	14	14	< 1.029 (0.6 - 1.8)	0	
2024	Meat	DROGENBOS	Co-60	Bq/kg	14	14	< 0.8429 (0.5 - 1.5)	0	
2024	Meat	DROGENBOS	Cs-134	Bq/kg	14	14	< 0.7071 (0.4 - 1.4)	0	
2024	Meat	DROGENBOS	Cs-137	Bq/kg	14	13	< 0.8462 (0.3 - 1.8)	1	2.2
2024	Meat	DROGENBOS	K-40	Bq/kg	14	0		14	406.9 (286 - 480)
2024	Meat	DROGENBOS	Mn-54	Bq/kg	14	14	< 0.8143 (0.5 - 1.5)	0	
2024	Meat	DROGENBOS	Ra-226	Bq/kg	14	14	< 1.45 (0.7 - 3)	0	
2024	Meat	DROGENBOS	Ra-228	Bq/kg	14	14	< 3.3 (1.9 - 6)	0	
2024	Meat	DROGENBOS	Sr-90	Bq/kg	3	3	< 1.367 (0.9 - 2)	0	
2024	Meat	DROGENBOS	Th-228	Bq/kg	14	13	< 1.154 (0.5 - 2.5)	1	1.4
2024	Meat	DROGENBOS	Zn-65	Bq/kg	14	14	< 2.193 (1.3 - 4)	0	
2024	Meat	FLEURUS	Ag-110m	Bq/kg	13	13	< 1.931 (1.422 - 2.453)	0	
2024	Meat	FLEURUS	Be-7	Bq/kg	13	13	< 21.72 (16.18 - 27.56)	0	
2024	Meat	FLEURUS	Co-57	Bq/kg	13	13	< 0.9606 (0.8491 - 1.151)	0	
2024	Meat	FLEURUS	Co-58	Bq/kg	13	13	< 2.41 (1.619 - 3.298)	0	
2024	Meat	FLEURUS	Co-60	Bq/kg	13	13	< 1.734 (1.108 - 2.48)	0	
2024	Meat	FLEURUS	Cs-134	Bq/kg	13	13	< 1.604 (1.287 - 1.944)	0	
2024	Meat	FLEURUS	Cs-137	Bq/kg	13	13	< 1.444 (0.7778 - 2.132)	0	
2024	Meat	FLEURUS	K-40	Bq/kg	13	0		13	376.8 (245.4 - 454)
2024	Meat	FLEURUS	Mn-54	Bq/kg	13	13	< 1.618 (1.122 - 2.198)	0	
2024	Meat	FLEURUS	Ra-226	Bq/kg	13	13	< 2.853 (1.992 - 3.571)	0	
2024	Meat	FLEURUS	Ra-228	Bq/kg	13	13	< 6.017 (4.057 - 8.578)	0	
2024	Meat	FLEURUS	Sr-90	Bq/kg	4	4	< 0.1694 (0.06162 - 0.2844)	0	
2024	Meat	FLEURUS	Th-228	Bq/kg	13	13	< 2.434 (1.722 - 3.239)	0	
2024	Meat	FLEURUS	Zn-65	Bq/kg	13	13	< 4.175 (2.605 - 5.79)	0	
2024	Meat	MOL	Ag-110m	Bq/kg	13	13	< 0.7538 (0.5 - 1.1)	0	
2024	Meat	MOL	Be-7	Bq/kg	13	13	< 8.769 (4 - 13)	0	
2024	Meat	MOL	Co-57	Bq/kg	13	13	< 0.4738 (0.18 - 0.8)	0	
2024	Meat	MOL	Co-58	Bq/kg	13	13	< 1.015 (0.6 - 1.3)	0	
2024	Meat	MOL	Co-60	Bq/kg	13	13	< 0.7769 (0.5 - 1.2)	0	
2024	Meat	MOL	Cs-134	Bq/kg	13	13	< 0.6462 (0.4 - 0.9)	0	
2024	Meat	MOL	Cs-137	Bq/kg	13	13	< 0.7462 (0.5 - 1.1)	0	
2024	Meat	MOL	K-40	Bq/kg	13	0		13	424.6 (370 - 510)
2024	Meat	MOL	Mn-54	Bq/kg	13	13	< 0.7846 (0.5 - 1)	0	
2024	Meat	MOL	Ra-226	Bq/kg	13	13	< 1.315 (0.7 - 1.9)	0	
2024	Meat	MOL	Ra-228	Bq/kg	13	12	< 2.925 (2 - 4)	1	4
2024	Meat	MOL	Sr-90	Bq/kg	4	4	< 2.025 (0.8 - 4)	0	
2024	Meat	MOL	Th-228	Bq/kg	13	13	< 1.1 (0.5 - 1.6)	0	
2024	Meat	MOL	Zn-65	Bq/kg	13	13	< 2.015 (1.5 - 2.7)	0	
2024	Mixed diet	DROGENBOS	Ag-110m	Bq/day per person	14	14	< 0.308 (0.2025 - 0.525)	0	
2024	Mixed diet	DROGENBOS	Ag-110m	Bq/kg	14	14	< 0.5429 (0.4 - 0.9)	0	

2024	Mixed diet	DROGENBOS	Ag-110m	Bq/meal	14	14	< 0.1027 (0.0675 - 0.175)	0	
2024	Mixed diet	DROGENBOS	Be-7	Bq/day per person	14	14	< 3.318 (2.025 - 6.417)	0	
2024	Mixed diet	DROGENBOS	Be-7	Bq/kg	14	14	< 5.857 (4 - 11)	0	
2024	Mixed diet	DROGENBOS	Be-7	Bq/meal	14	14	< 1.106 (0.675 - 2.139)	0	
2024	Mixed diet	DROGENBOS	C-14	Bq/g of stable carbon	4	0		4	0.1968 (0.181 - 0.203)
2024	Mixed diet	DROGENBOS	Co-57	Bq/day per person	14	14	< 0.2035 (0.081 - 0.35)	0	
2024	Mixed diet	DROGENBOS	Co-57	Bq/kg	14	14	< 0.3571 (0.16 - 0.6)	0	
2024	Mixed diet	DROGENBOS	Co-57	Bq/meal	14	14	< 0.06782 (0.027 - 0.1167)	0	
2024	Mixed diet	DROGENBOS	Co-58	Bq/day per person	14	14	< 0.3886 (0.2531 - 0.6417)	0	
2024	Mixed diet	DROGENBOS	Co-58	Bq/kg	14	14	< 0.6857 (0.5 - 1.1)	0	
2024	Mixed diet	DROGENBOS	Co-58	Bq/meal	14	14	< 0.1295 (0.08437 - 0.2139)	0	
2024	Mixed diet	DROGENBOS	Co-60	Bq/day per person	14	14	< 0.3206 (0.1671 - 0.4127)	0	
2024	Mixed diet	DROGENBOS	Co-60	Bq/kg	14	14	< 0.5643 (0.3 - 0.7)	0	
2024	Mixed diet	DROGENBOS	Co-60	Bq/meal	14	14	< 0.1069 (0.05569 - 0.1376)	0	
2024	Mixed diet	DROGENBOS	Cs-134	Bq/day per person	14	14	< 0.2639 (0.1519 - 0.4083)	0	
2024	Mixed diet	DROGENBOS	Cs-134	Bq/kg	14	14	< 0.4643 (0.3 - 0.7)	0	
2024	Mixed diet	DROGENBOS	Cs-134	Bq/meal	14	14	< 0.08797 (0.05062 - 0.1361)	0	
2024	Mixed diet	DROGENBOS	Cs-137	Bq/day per person	14	14	< 0.3038 (0.2025 - 0.4717)	0	
2024	Mixed diet	DROGENBOS	Cs-137	Bq/kg	14	14	< 0.5357 (0.4 - 0.8)	0	
2024	Mixed diet	DROGENBOS	Cs-137	Bq/meal	14	14	< 0.1013 (0.0675 - 0.1572)	0	
2024	Mixed diet	DROGENBOS	K-40	Bq/day per person	14	0		14	130 (94.72 - 173.1)
2024	Mixed diet	DROGENBOS	K-40	Bq/kg	14	0		14	230.3 (168 - 310)
2024	Mixed diet	DROGENBOS	K-40	Bq/meal	14	0		14	43.34 (31.57 - 57.69)
2024	Mixed diet	DROGENBOS	Mn-54	Bq/day per person	14	14	< 0.3083 (0.2025 - 0.4667)	0	
2024	Mixed diet	DROGENBOS	Mn-54	Bq/kg	14	14	< 0.5429 (0.4 - 0.8)	0	
2024	Mixed diet	DROGENBOS	Mn-54	Bq/meal	14	14	< 0.1028 (0.0675 - 0.1556)	0	
2024	Mixed diet	DROGENBOS	Ra-226	Bq/day per person	14	14	< 0.5763 (0.3544 - 0.875)	0	
2024	Mixed diet	DROGENBOS	Ra-226	Bq/kg	14	14	< 1.014 (0.7 - 1.5)	0	
2024	Mixed diet	DROGENBOS	Ra-226	Bq/meal	14	14	< 0.1921 (0.1181 - 0.2917)	0	
2024	Mixed diet	DROGENBOS	Ra-228	Bq/day per person	14	14	< 1.196 (0.8354 - 1.692)	0	
2024	Mixed diet	DROGENBOS	Ra-228	Bq/kg	14	14	< 2.107 (1.5 - 2.9)	0	
2024	Mixed diet	DROGENBOS	Ra-228	Bq/meal	14	14	< 0.3985 (0.2785 - 0.5639)	0	
2024	Mixed diet	DROGENBOS	Sr-90	Bq/day per person	4	4	< 0.1297 (0.06766 - 0.1649)	0	
2024	Mixed diet	DROGENBOS	Sr-90	Bq/kg	4	4	< 0.235 (0.12 - 0.3)	0	
2024	Mixed diet	DROGENBOS	Sr-90	Bq/meal	4	4	< 0.04323 (0.02255 - 0.05497)	0	
2024	Mixed diet	DROGENBOS	Th-228	Bq/day per person	14	14	< 0.4674 (0.2531 - 0.7075)	0	
2024	Mixed diet	DROGENBOS	Th-228	Bq/kg	14	14	< 0.8214 (0.5 - 1.2)	0	
2024	Mixed diet	DROGENBOS	Th-228	Bq/meal	14	14	< 0.1558 (0.08437 - 0.2358)	0	
2024	Mixed diet	DROGENBOS	Zn-65	Bq/day per person	14	14	< 0.8097 (0.5569 - 1.167)	0	
2024	Mixed diet	DROGENBOS	Zn-65	Bq/kg	14	14	< 1.429 (1 - 2)	0	
2024	Mixed diet	DROGENBOS	Zn-65	Bq/meal	14	14	< 0.2699 (0.1856 - 0.3889)	0	
2024	Mixed diet	FLEURUS	Ag-110m	Bq/day per person	13	13	< 1.62 (1.128 - 3.21)	0	
2024	Mixed diet	FLEURUS	Ag-110m	Bq/kg	13	13	< 2.499 (1.665 - 6.429)	0	
2024	Mixed diet	FLEURUS	Ag-110m	Bq/meal	13	13	< 0.54 (0.3759 - 1.07)	0	
2024	Mixed diet	FLEURUS	Be-7	Bq/day per person	13	13	< 19.34 (13.13 - 35.35)	0	
2024	Mixed diet	FLEURUS	Be-7	Bq/kg	13	13	< 29.82 (16.39 - 70.81)	0	
2024	Mixed diet	FLEURUS	Be-7	Bq/meal	13	13	< 6.446 (4.377 - 11.78)	0	
2024	Mixed diet	FLEURUS	C-14	Bq/g of stable carbon	4	0		4	0.354 (0.1513 - 0.5432)
2024	Mixed diet	FLEURUS	Co-57	Bq/day per person	13	13	< 0.6735 (0.4444 - 1.071)	0	
2024	Mixed diet	FLEURUS	Co-57	Bq/kg	13	13	< 1.023 (0.7841 - 2.146)	0	
2024	Mixed diet	FLEURUS	Co-57	Bq/meal	13	13	< 0.2245 (0.1481 - 0.3571)	0	
2024	Mixed diet	FLEURUS	Co-58	Bq/day per person	13	13	< 2.142 (1.402 - 3.887)	0	
2024	Mixed diet	FLEURUS	Co-58	Bq/kg	13	13	< 3.291 (1.812 - 7.786)	0	
2024	Mixed diet	FLEURUS	Co-58	Bq/meal	13	13	< 0.7141 (0.4673 - 1.296)	0	
2024	Mixed diet	FLEURUS	Co-60	Bq/day per person	13	13	< 1.391 (0.9478 - 2.728)	0	
2024	Mixed diet	FLEURUS	Co-60	Bq/kg	13	13	< 2.148 (1.277 - 5.464)	0	
2024	Mixed diet	FLEURUS	Co-60	Bq/meal	13	13	< 0.4635 (0.3159 - 0.9094)	0	
2024	Mixed diet	FLEURUS	Cs-134	Bq/day per person	13	13	< 1.194 (0.7742 - 2.195)	0	
2024	Mixed diet	FLEURUS	Cs-134	Bq/kg	13	13	< 1.828 (1.408 - 4.397)	0	

2024	Mixed diet	FLEURUS	Cs-134	Bq/meal	13	13	< 0.398 (0.2581 - 0.7318)	0	
2024	Mixed diet	FLEURUS	Cs-137	Bq/day per person	13	13	< 1.224 (0.6985 - 2.354)	0	
2024	Mixed diet	FLEURUS	Cs-137	Bq/kg	13	13	< 1.873 (1.154 - 4.715)	0	
2024	Mixed diet	FLEURUS	Cs-137	Bq/meal	13	13	< 0.4081 (0.2328 - 0.7846)	0	
2024	Mixed diet	FLEURUS	I-131	Bq/day per person	13	13	< 303.6 (38.51 - 975.2)	0	
2024	Mixed diet	FLEURUS	I-131	Bq/kg	13	13	< 476.5 (44.62 - 1455)	0	
2024	Mixed diet	FLEURUS	I-131	Bq/meal	13	13	< 101.2 (12.84 - 325.1)	0	
2024	Mixed diet	FLEURUS	K-40	Bq/day per person	13	0		13	185.3 (91.82 - 266.6)
2024	Mixed diet	FLEURUS	K-40	Bq/kg	13	0		13	278 (122.1 - 380.2)
2024	Mixed diet	FLEURUS	K-40	Bq/meal	13	0		13	61.77 (30.61 - 88.86)
2024	Mixed diet	FLEURUS	Mn-54	Bq/day per person	13	13	< 1.351 (0.9399 - 2.409)	0	
2024	Mixed diet	FLEURUS	Mn-54	Bq/kg	13	13	< 2.069 (1.358 - 4.825)	0	
2024	Mixed diet	FLEURUS	Mn-54	Bq/meal	13	13	< 0.4504 (0.3133 - 0.803)	0	
2024	Mixed diet	FLEURUS	Nb-95	Bq/day per person	13	13	< 4.185 (2.492 - 7.734)	0	
2024	Mixed diet	FLEURUS	Nb-95	Bq/kg	13	13	< 6.478 (2.887 - 15.49)	0	
2024	Mixed diet	FLEURUS	Nb-95	Bq/meal	13	13	< 1.395 (0.8306 - 2.578)	0	
2024	Mixed diet	FLEURUS	Ra-226	Bq/day per person	13	13	< 2.18 (1.608 - 3.628)	0	
2024	Mixed diet	FLEURUS	Ra-226	Bq/kg	13	13	< 3.327 (2.402 - 7.266)	0	
2024	Mixed diet	FLEURUS	Ra-226	Bq/meal	13	13	< 0.7267 (0.5358 - 1.209)	0	
2024	Mixed diet	FLEURUS	Ra-228	Bq/day per person	13	13	< 4.994 (3.465 - 9.876)	0	
2024	Mixed diet	FLEURUS	Ra-228	Bq/kg	13	13	< 7.706 (4.592 - 19.78)	0	
2024	Mixed diet	FLEURUS	Ra-228	Bq/meal	13	13	< 1.665 (1.155 - 3.292)	0	
2024	Mixed diet	FLEURUS	Sr-90	Bq/day per person	4	4	< 0.657 (0.07439 - 2.079)	0	
2024	Mixed diet	FLEURUS	Sr-90	Bq/kg	4	4	< 0.9106 (0.09888 - 2.799)	0	
2024	Mixed diet	FLEURUS	Sr-90	Bq/meal	4	4	< 0.219 (0.0248 - 0.6929)	0	
2024	Mixed diet	FLEURUS	Th-228	Bq/day per person	13	13	< 1.965 (1.38 - 3.501)	0	
2024	Mixed diet	FLEURUS	Th-228	Bq/kg	13	13	< 3.008 (2.133 - 7.012)	0	
2024	Mixed diet	FLEURUS	Th-228	Bq/meal	13	13	< 0.6549 (0.46 - 1.167)	0	
2024	Mixed diet	FLEURUS	Zn-65	Bq/day per person	13	13	< 3.402 (2.457 - 6.659)	0	
2024	Mixed diet	FLEURUS	Zn-65	Bq/kg	13	13	< 5.257 (3.119 - 13.34)	0	
2024	Mixed diet	FLEURUS	Zn-65	Bq/meal	13	13	< 1.134 (0.8189 - 2.22)	0	
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Ag-110m	Bq/day per person	13	13	< 0.3923 (0.1013 - 1.407)	0	
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Ag-110m	Bq/kg	13	13	< 0.5831 (0.18 - 1.3)	0	
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Ag-110m	Bq/meal	13	13	< 0.1308 (0.03377 - 0.4689)	0	
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Be-7	Bq/day per person	13	13	< 4.165 (1.351 - 14.07)	0	
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Be-7	Bq/kg	13	13	< 6.262 (2.4 - 11)	0	
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Be-7	Bq/meal	13	13	< 1.388 (0.4503 - 4.689)	0	
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	C-14	Bq/g of stable carbon	4	0		4	0.23 (0.2 - 0.259)
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Co-57	Bq/day per person	13	13	< 0.2319 (0.0394 - 0.5275)	0	
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Co-57	Bq/kg	13	13	< 0.3723 (0.07 - 0.8)	0	
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Co-57	Bq/meal	13	13	< 0.07728 (0.01313 - 0.1758)	0	
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Co-58	Bq/day per person	13	13	< 0.5116 (0.1689 - 2.11)	0	
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Co-58	Bq/kg	13	13	< 0.7308 (0.3 - 1.2)	0	
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Co-58	Bq/meal	13	13	< 0.1705 (0.05629 - 0.7033)	0	
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Co-60	Bq/day per person	13	13	< 0.4024 (0.1182 - 1.582)	0	
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Co-60	Bq/kg	13	13	< 0.5854 (0.21 - 1)	0	
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Co-60	Bq/meal	13	13	< 0.1341 (0.0394 - 0.5275)	0	
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Cs-134	Bq/day per person	13	13	< 0.3682 (0.07881 - 1.407)	0	
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Cs-134	Bq/kg	13	13	< 0.5408 (0.14 - 0.9)	0	
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Cs-134	Bq/meal	13	13	< 0.1227 (0.02627 - 0.4689)	0	
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Cs-137	Bq/day per person	13	13	< 0.3798 (0.0957 - 1.407)	0	
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Cs-137	Bq/kg	13	13	< 0.5592 (0.17 - 1)	0	
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Cs-137	Bq/meal	13	13	< 0.1266 (0.0319 - 0.4689)	0	
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	K-40	Bq/day per person	13	0		13	140.9 (65.06 - 404.4)
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	K-40	Bq/kg	13	0		13	216.7 (181 - 330)
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	K-40	Bq/meal	13	0		13	46.97 (21.69 - 134.8)
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Mn-54	Bq/day per person	13	13	< 0.4065 (0.1126 - 1.582)	0	
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Mn-54	Bq/kg	13	13	< 0.5923 (0.2 - 1)	0	
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Mn-54	Bq/meal	13	13	< 0.1355 (0.03753 - 0.5275)	0	

2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Ra-226	Bq/day per person	13	11	< 0.7307 (0.1407 - 2.813)	2	1.353 (1.081 - 1.624)
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Ra-226	Bq/kg	13	11	< 1.041 (0.25 - 1.9)	2	2.3 (2 - 2.6)
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Ra-226	Bq/meal	13	11	< 0.2436 (0.04691 - 0.9377)	2	0.4509 (0.3604 - 0.5413)
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Ra-228	Bq/day per person	13	13	< 1.51 (0.394 - 5.275)	0	
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Ra-228	Bq/kg	13	13	< 2.246 (0.7 - 4)	0	
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Ra-228	Bq/meal	13	13	< 0.5034 (0.1313 - 1.758)	0	
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Sr-90	Bq/day per person	4	4	< 0.08141 (0.03498 - 0.1758)	0	
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Sr-90	Bq/kg	4	4	< 0.1 (0.08 - 0.12)	0	
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Sr-90	Bq/meal	4	4	< 0.02714 (0.01166 - 0.05861)	0	
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Th-228	Bq/day per person	13	13	< 0.6068 (0.1126 - 1.934)	0	
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Th-228	Bq/kg	13	13	< 0.9231 (0.2 - 1.8)	0	
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Th-228	Bq/meal	13	13	< 0.2023 (0.03753 - 0.6447)	0	
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Zn-65	Bq/day per person	13	13	< 1.058 (0.3377 - 4.396)	0	
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Zn-65	Bq/kg	13	13	< 1.508 (0.6 - 2.6)	0	
2024	Mixed diet	MOL-TESSENDERLO-HASSELT	Zn-65	Bq/meal	13	13	< 0.3525 (0.1126 - 1.465)	0	