

**INFORMATION FILE • JUNE 2023**  
**DOSSIER D'INFORMATION • JUIN 2023**  
**INFORMATIEDOSSIER • JUNI 2023**

**Radiological surveillance  
of the territory and discharges of class 1  
nuclear facilities**  
**2022: Annexes**

**Surveillance radiologique  
du territoire et des effluents des  
établissements nucléaires de classe 1**  
**2022 : Annexes**

**Radiologisch toezicht op het  
grondgebied en de effluenten  
van nucleaire inrichtingen klasse 1**  
**2022: Bijlagen**



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

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

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2022	Outdoor air	LIXHE	Be-7	Bq/m <sup>3</sup>	13	0		13	0.003193 (0.001095 - 0.005015)
2022	Outdoor air	LIXHE	Ce-141	Bq/m <sup>3</sup>	13	13	< 0.0001793 (3.46e-05 - 0.0009403)	0	
2022	Outdoor air	LIXHE	Ce-144	Bq/m <sup>3</sup>	13	13	< 0.0001076 (5.43e-05 - 0.000153)	0	
2022	Outdoor air	LIXHE	Cs-134	Bq/m <sup>3</sup>	13	13	< 2.894e-05 (1.75e-05 - 3.43e-05)	0	
2022	Outdoor air	LIXHE	Cs-137	Bq/m <sup>3</sup>	13	13	< 2.428e-05 (1.57e-05 - 2.75e-05)	0	
2022	Outdoor air	LIXHE	I-131	Bq/m <sup>3</sup>	13	13	< 4.047 (0.0002927 - 49.84)	0	
2022	Outdoor air	LIXHE	K-40	Bq/m <sup>3</sup>	13	1	< 0.0004385	12	0.0006082 (0.0004145 - 0.0007909)
2022	Outdoor air	LIXHE	Nb-95	Bq/m <sup>3</sup>	13	13	< 0.0001678 (3.63e-05 - 0.0008589)	0	
2022	Outdoor air	LIXHE	Ru-103	Bq/m <sup>3</sup>	13	13	< 0.0001009 (2.83e-05 - 0.0004397)	0	
2022	Outdoor air	LIXHE	Ru-106	Bq/m <sup>3</sup>	13	13	< 0.0002419 (0.0001388 - 0.0003232)	0	
2022	Outdoor air	LIXHE	T-Beta	Bq/m <sup>3</sup>	366	30	< 0.0001721 (4.4e-06 - 0.0002022)	336	0.0005801 (0.0001193 - 0.004252)
2022	Outdoor air	LIXHE	Zr-95	Bq/m <sup>3</sup>	13	13	< 0.0001072 (4.02e-05 - 0.0003116)	0	
2022	Outdoor air	TIHANGE	Be-7	Bq/m <sup>3</sup>	13	0		13	0.00296 (0.00142 - 0.005274)
2022	Outdoor air	TIHANGE	Ce-141	Bq/m <sup>3</sup>	13	13	< 0.000206 (3.63e-05 - 0.001121)	0	
2022	Outdoor air	TIHANGE	Ce-144	Bq/m <sup>3</sup>	13	13	< 0.0001281 (5.52e-05 - 0.0001732)	0	
2022	Outdoor air	TIHANGE	Cs-134	Bq/m <sup>3</sup>	13	13	< 3.523e-05 (1.77e-05 - 4.54e-05)	0	
2022	Outdoor air	TIHANGE	Cs-137	Bq/m <sup>3</sup>	13	13	< 2.921e-05 (1.58e-05 - 3.83e-05)	0	
2022	Outdoor air	TIHANGE	I-131	Bq/m <sup>3</sup>	13	13	< 4.724 (0.0003184 - 58.61)	0	
2022	Outdoor air	TIHANGE	K-40	Bq/m <sup>3</sup>	13	2	< 0.0003714 (0.0003687 - 0.0003742)	11	0.0006623 (0.0005177 - 0.0008117)
2022	Outdoor air	TIHANGE	Nb-95	Bq/m <sup>3</sup>	13	13	< 0.0001832 (3.79e-05 - 0.00088)	0	
2022	Outdoor air	TIHANGE	Ru-103	Bq/m <sup>3</sup>	13	13	< 0.0001175 (2.89e-05 - 0.000527)	0	
2022	Outdoor air	TIHANGE	Ru-106	Bq/m <sup>3</sup>	13	13	< 0.0002844 (0.0001383 - 0.0003669)	0	
2022	Outdoor air	TIHANGE	T-Beta	Bq/m <sup>3</sup>	361	48	< 0.0002424 (4.4e-06 - 0.0005433)	313	0.0006358 (0.0001802 - 0.002337)
2022	Outdoor air	TIHANGE	Zr-95	Bq/m <sup>3</sup>	13	13	< 0.0001243 (4.06e-05 - 0.0003464)	0	
2022	Total deposition filtered	LIXHE	Be-7	Bq/m <sup>2</sup>	14	11	< 16.2 (10.35 - 20.14)	3	21.12 (10.39 - 28.84)
2022	Total deposition filtered	LIXHE	Ce-141	Bq/m <sup>2</sup>	14	14	< 3.789 (2.289 - 5.125)	0	
2022	Total deposition filtered	LIXHE	Ce-144	Bq/m <sup>2</sup>	14	14	< 9.779 (5.11 - 11.27)	0	
2022	Total deposition filtered	LIXHE	Cs-134	Bq/m <sup>2</sup>	14	14	< 1.376 (0.7641 - 1.536)	0	
2022	Total deposition filtered	LIXHE	Cs-137	Bq/m <sup>2</sup>	14	14	< 1.412 (0.7736 - 1.69)	0	
2022	Total deposition filtered	LIXHE	H-3	Bq/m <sup>2</sup>	14	14	< 180.2 (44.3 - 329.5)	0	
2022	Total deposition filtered	LIXHE	I-131	Bq/m <sup>2</sup>	14	14	< 13.86 (6.678 - 42.41)	0	
2022	Total deposition filtered	LIXHE	K-40	Bq/m <sup>2</sup>	22	9	< 22.89 (14.13 - 28.75)	13	0.7968 (0.2189 - 1.651)
2022	Total deposition filtered	LIXHE	Nb-95	Bq/m <sup>2</sup>	14	14	< 2.293 (1.526 - 3.435)	0	
2022	Total deposition filtered	LIXHE	R-Beta	Bq/l	13	0		13	0.01523 (0.002 - 0.03908)
2022	Total deposition filtered	LIXHE	Ru-103	Bq/m <sup>2</sup>	14	14	< 2.025 (1.288 - 2.783)	0	
2022	Total deposition filtered	LIXHE	Ru-106	Bq/m <sup>2</sup>	14	14	< 12.62 (7.175 - 15.54)	0	
2022	Total deposition filtered	LIXHE	T-Alfa	Bq/m <sup>2</sup>	14	0		14	0.2066 (0.05363 - 0.6682)
2022	Total deposition filtered	LIXHE	T-Beta	Bq/m <sup>2</sup>	14	0		14	1.538 (0.2784 - 2.421)
2022	Total deposition filtered	LIXHE	Zr-95	Bq/m <sup>2</sup>	14	14	< 3.119 (2.009 - 4.108)	0	
2022	Total deposition filtered	TIHANGE	Be-7	Bq/m <sup>2</sup>	13	8	< 16.32 (9.586 - 22.76)	5	22.28 (8.256 - 31.54)
2022	Total deposition filtered	TIHANGE	Ce-141	Bq/m <sup>2</sup>	13	13	< 3.894 (2.557 - 5.313)	0	
2022	Total deposition filtered	TIHANGE	Ce-144	Bq/m <sup>2</sup>	13	13	< 9.863 (5.694 - 11.25)	0	
2022	Total deposition filtered	TIHANGE	Cs-134	Bq/m <sup>2</sup>	13	13	< 1.408 (0.7541 - 1.61)	0	
2022	Total deposition filtered	TIHANGE	Cs-137	Bq/m <sup>2</sup>	13	13	< 1.449 (0.8178 - 1.752)	0	
2022	Total deposition filtered	TIHANGE	H-3	Bq/m <sup>2</sup>	13	13	< 187.8 (34.17 - 323.8)	0	
2022	Total deposition filtered	TIHANGE	I-131	Bq/m <sup>2</sup>	13	13	< 14.55 (7.025 - 41.8)	0	
2022	Total deposition filtered	TIHANGE	K-40	Bq/m <sup>2</sup>	22	9	< 23.79 (9.996 - 31.43)	13	5.011 (0.07372 - 52.59)
2022	Total deposition filtered	TIHANGE	Nb-95	Bq/m <sup>2</sup>	13	13	< 2.374 (1.428 - 3.619)	0	
2022	Total deposition filtered	TIHANGE	R-Beta	Bq/l	13	5	< 0.003075 (0.0008243 - 0.008347)	8	0.02761 (0.007145 - 0.09648)
2022	Total deposition filtered	TIHANGE	Ru-103	Bq/m <sup>2</sup>	13	13	< 2.097 (1.186 - 2.847)	0	
2022	Total deposition filtered	TIHANGE	Ru-106	Bq/m <sup>2</sup>	13	13	< 13.13 (6.706 - 15.87)	0	
2022	Total deposition filtered	TIHANGE	T-Alfa	Bq/m <sup>2</sup>	13	0		13	0.2342 (0.08263 - 0.5337)
2022	Total deposition filtered	TIHANGE	T-Beta	Bq/m <sup>2</sup>	13	0		13	3.728 (0.7176 - 29.47)
2022	Total deposition filtered	TIHANGE	Zr-95	Bq/m <sup>2</sup>	13	13	< 3.177 (1.686 - 4.2)	0	
2022	Total deposition residue	LIXHE	Be-7	Bq/m <sup>2</sup>	13	2	< 16.3 (8.065 - 24.54)	11	21.4 (8.153 - 41.78)

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2022	Total deposition residue	LIXHE	Ce-141	Bq/m <sup>2</sup>	13	13	< 2.136 (1.174 - 3.601)	0	
2022	Total deposition residue	LIXHE	Ce-144	Bq/m <sup>2</sup>	13	13	< 4.933 (3.195 - 9.678)	0	
2022	Total deposition residue	LIXHE	Cs-134	Bq/m <sup>2</sup>	13	13	< 0.9468 (0.6118 - 1.816)	0	
2022	Total deposition residue	LIXHE	Cs-137	Bq/m <sup>2</sup>	13	13	< 0.9595 (0.6177 - 1.828)	0	
2022	Total deposition residue	LIXHE	I-131	Bq/m <sup>2</sup>	13	13	< 10.34 (2.943 - 26.21)	0	
2022	Total deposition residue	LIXHE	K-40	Bq/m <sup>2</sup>	13	13	< 13.5 (8.617 - 26.16)	0	
2022	Total deposition residue	LIXHE	Nb-95	Bq/m <sup>2</sup>	13	13	< 1.572 (0.8437 - 2.811)	0	
2022	Total deposition residue	LIXHE	Ru-103	Bq/m <sup>2</sup>	13	13	< 1.374 (0.7726 - 2.408)	0	
2022	Total deposition residue	LIXHE	Ru-106	Bq/m <sup>2</sup>	13	13	< 8.502 (5.598 - 15.69)	0	
2022	Total deposition residue	LIXHE	T-Alfa	Bq/m <sup>2</sup>	13	0		13	0.7112 (0.2528 - 1.186)
2022	Total deposition residue	LIXHE	T-Beta	Bq/m <sup>2</sup>	13	0		13	2.495 (0.7317 - 4.865)
2022	Total deposition residue	LIXHE	Zr-95	Bq/m <sup>2</sup>	13	13	< 2.094 (1.249 - 3.826)	0	
2022	Total deposition residue	TIHANGE	Be-7	Bq/m <sup>2</sup>	13	1	< 12.06	12	25.64 (7.372 - 47.91)
2022	Total deposition residue	TIHANGE	Ce-141	Bq/m <sup>2</sup>	13	13	< 2.279 (1.265 - 3.902)	0	
2022	Total deposition residue	TIHANGE	Ce-144	Bq/m <sup>2</sup>	13	13	< 5.069 (3.17 - 8.635)	0	
2022	Total deposition residue	TIHANGE	Cs-134	Bq/m <sup>2</sup>	13	13	< 0.9864 (0.5936 - 1.809)	0	
2022	Total deposition residue	TIHANGE	Cs-137	Bq/m <sup>2</sup>	13	13	< 0.9848 (0.6222 - 1.66)	0	
2022	Total deposition residue	TIHANGE	I-131	Bq/m <sup>2</sup>	13	13	< 12.46 (3.268 - 37.04)	0	
2022	Total deposition residue	TIHANGE	K-40	Bq/m <sup>2</sup>	13	13	< 14.24 (8.617 - 24.23)	0	
2022	Total deposition residue	TIHANGE	Nb-95	Bq/m <sup>2</sup>	13	13	< 1.646 (0.9291 - 2.738)	0	
2022	Total deposition residue	TIHANGE	Ru-103	Bq/m <sup>2</sup>	13	13	< 1.469 (0.8524 - 2.427)	0	
2022	Total deposition residue	TIHANGE	Ru-106	Bq/m <sup>2</sup>	13	13	< 8.705 (5.475 - 15.54)	0	
2022	Total deposition residue	TIHANGE	T-Alfa	Bq/m <sup>2</sup>	13	0		13	0.8532 (0.209 - 2.738)
2022	Total deposition residue	TIHANGE	T-Beta	Bq/m <sup>2</sup>	13	0		13	2.958 (0.9887 - 5.297)
2022	Total deposition residue	TIHANGE	Zr-95	Bq/m <sup>2</sup>	13	13	< 2.142 (1.222 - 3.364)	0	
2022	Topsoil and grass	LIXHE	Ag-110m	Bq/kg	1	1	< 1.237	0	
2022	Topsoil and grass	LIXHE	Be-7	Bq/kg	1	1	< 11.05	0	
2022	Topsoil and grass	LIXHE	Co-57	Bq/kg	1	1	< 0.6804	0	
2022	Topsoil and grass	LIXHE	Co-58	Bq/kg	1	1	< 1.261	0	
2022	Topsoil and grass	LIXHE	Co-60	Bq/kg	1	1	< 1.107	0	
2022	Topsoil and grass	LIXHE	Cs-134	Bq/kg	1	1	< 1.034	0	
2022	Topsoil and grass	LIXHE	Cs-137	Bq/kg	1	0		1	1.755
2022	Topsoil and grass	LIXHE	I-131	Bq/kg	1	1	< 16.78	0	
2022	Topsoil and grass	LIXHE	K-40	Bq/kg	1	0		1	393
2022	Topsoil and grass	LIXHE	Mn-54	Bq/kg	1	1	< 1.145	0	
2022	Topsoil and grass	LIXHE	Ra-226	Bq/kg	1	0		1	37.12
2022	Topsoil and grass	LIXHE	Ra-228	Bq/kg	1	0		1	31.68
2022	Topsoil and grass	LIXHE	Ru-106	Bq/kg	1	1	< 8.949	0	
2022	Topsoil and grass	LIXHE	Sb-125	Bq/kg	1	1	< 2.725	0	
2022	Topsoil and grass	LIXHE	Th-228	Bq/kg	1	0		1	32.29
2022	Topsoil and grass	LIXHE	Zn-65	Bq/kg	1	1	< 2.789	0	
2022	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Ag-110m	Bq/kg	1	1	< 1.592	0	
2022	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Be-7	Bq/kg	1	1	< 12.45	0	
2022	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Co-57	Bq/kg	1	1	< 0.7076	0	
2022	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Co-58	Bq/kg	1	1	< 1.377	0	
2022	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Co-60	Bq/kg	1	1	< 1.26	0	
2022	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Cs-134	Bq/kg	1	1	< 1.084	0	
2022	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Cs-137	Bq/kg	1	0		1	15.81
2022	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	I-131	Bq/kg	1	1	< 18.34	0	
2022	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	K-40	Bq/kg	1	0		1	366.8
2022	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Mn-54	Bq/kg	1	1	< 1.143	0	
2022	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Ra-226	Bq/kg	1	0		1	38.43
2022	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Ra-228	Bq/kg	1	0		1	31.39
2022	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Ru-106	Bq/kg	1	1	< 9.549	0	
2022	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Sb-125	Bq/kg	1	1	< 3.096	0	
2022	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Th-228	Bq/kg	1	0		1	35.75
2022	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Zn-65	Bq/kg	1	1	< 2.968	0	

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2022	River water	AMPSIN	Be-7	Bq/l	26	26	< 1.407 (1.18 - 1.644)	0	
2022	River water	AMPSIN	Ce-141	Bq/l	26	26	< 0.3139 (0.2556 - 0.4286)	0	
2022	River water	AMPSIN	Ce-144	Bq/l	26	26	< 1.036 (0.9377 - 1.161)	0	
2022	River water	AMPSIN	Cs-134	Bq/l	26	26	< 0.1483 (0.1324 - 0.1655)	0	
2022	River water	AMPSIN	Cs-137	Bq/l	26	26	< 0.1575 (0.1335 - 0.1801)	0	
2022	River water	AMPSIN	H-3	Bq/l	26	2	< 3.36 (3.226 - 3.494)	24	19.96 (3.072 - 53.87)
2022	River water	AMPSIN	I-131	Bq/l	26	26	< 0.5136 (0.2676 - 1.251)	0	
2022	River water	AMPSIN	K-40	Bq/l	48	22	< 2.546 (2.269 - 3.038)	26	0.09253 (0.05563 - 0.1321)
2022	River water	AMPSIN	Nb-95	Bq/l	26	26	< 0.1927 (0.1591 - 0.2484)	0	
2022	River water	AMPSIN	R-Beta	Bq/l	26	23	< 0.04155 (0.03924 - 0.04406)	3	0.05063 (0.0448 - 0.05507)
2022	River water	AMPSIN	Ru-103	Bq/l	26	26	< 0.1768 (0.1511 - 0.2257)	0	
2022	River water	AMPSIN	Ru-106	Bq/l	26	26	< 1.366 (1.24 - 1.565)	0	
2022	River water	AMPSIN	T-Alfa	Bq/l	26	22	< 0.02814 (0.01266 - 0.03604)	4	0.03384 (0.02432 - 0.04846)
2022	River water	AMPSIN	T-Beta	Bq/l	26	0		26	0.1149 (0.07783 - 0.1631)
2022	River water	AMPSIN	Zr-95	Bq/l	26	26	< 0.2973 (0.2558 - 0.353)	0	
2022	River water	ANDENNE (GIVES)	Be-7	Bq/l	26	26	< 1.475 (1.24 - 2.696)	0	
2022	River water	ANDENNE (GIVES)	Ce-141	Bq/l	26	26	< 0.3319 (0.2576 - 0.7007)	0	
2022	River water	ANDENNE (GIVES)	Ce-144	Bq/l	26	26	< 1.095 (0.9364 - 2.584)	0	
2022	River water	ANDENNE (GIVES)	Cs-134	Bq/l	26	26	< 0.1546 (0.1327 - 0.2873)	0	
2022	River water	ANDENNE (GIVES)	Cs-137	Bq/l	26	26	< 0.1619 (0.1311 - 0.2939)	0	
2022	River water	ANDENNE (GIVES)	H-3	Bq/l	26	23	< 3.592 (2.929 - 4.478)	3	4.835 (4.008 - 6.1)
2022	River water	ANDENNE (GIVES)	I-131	Bq/l	26	26	< 0.5486 (0.2657 - 1.337)	0	
2022	River water	ANDENNE (GIVES)	K-40	Bq/l	48	21	< 2.57 (2.282 - 3.051)	27	2.456 (0.05784 - 63.95)
2022	River water	ANDENNE (GIVES)	Nb-95	Bq/l	26	26	< 0.2023 (0.1569 - 0.3749)	0	
2022	River water	ANDENNE (GIVES)	R-Beta	Bq/l	26	20	< 0.04303 (0.03862 - 0.0612)	6	0.05903 (0.04902 - 0.0874)
2022	River water	ANDENNE (GIVES)	Ru-103	Bq/l	26	26	< 0.1843 (0.1464 - 0.3205)	0	
2022	River water	ANDENNE (GIVES)	Ru-106	Bq/l	26	26	< 1.43 (1.178 - 2.586)	0	
2022	River water	ANDENNE (GIVES)	T-Alfa	Bq/l	26	18	< 0.02778 (0.01378 - 0.03474)	8	0.03673 (0.02418 - 0.05736)
2022	River water	ANDENNE (GIVES)	T-Beta	Bq/l	26	0		26	0.1135 (0.06488 - 0.1773)
2022	River water	ANDENNE (GIVES)	Zr-95	Bq/l	26	26	< 0.3093 (0.2522 - 0.5507)	0	
2022	River water	HUY	Be-7	Bq/l	26	26	< 1.426 (1.249 - 1.659)	0	
2022	River water	HUY	Ce-141	Bq/l	26	26	< 0.3198 (0.2688 - 0.4412)	0	
2022	River water	HUY	Ce-144	Bq/l	26	26	< 1.04 (0.9258 - 1.156)	0	
2022	River water	HUY	Cs-134	Bq/l	26	26	< 0.1484 (0.1331 - 0.1694)	0	
2022	River water	HUY	Cs-137	Bq/l	26	26	< 0.1558 (0.1317 - 0.1759)	0	
2022	River water	HUY	H-3	Bq/l	26	22	< 3.561 (2.929 - 4.487)	4	5.013 (3.655 - 5.959)
2022	River water	HUY	I-131	Bq/l	26	26	< 0.5514 (0.2928 - 1.3)	0	
2022	River water	HUY	K-40	Bq/l	48	22	< 2.545 (2.261 - 3.086)	26	0.09263 (0.05865 - 0.1276)
2022	River water	HUY	Nb-95	Bq/l	26	26	< 0.1968 (0.1606 - 0.2472)	0	
2022	River water	HUY	R-Beta	Bq/l	26	21	< 0.04219 (0.03895 - 0.06121)	5	0.05339 (0.04165 - 0.06587)
2022	River water	HUY	Ru-103	Bq/l	26	26	< 0.1765 (0.1525 - 0.2125)	0	
2022	River water	HUY	Ru-106	Bq/l	26	26	< 1.36 (1.219 - 1.538)	0	
2022	River water	HUY	T-Alfa	Bq/l	26	21	< 0.02893 (0.02141 - 0.03915)	5	0.03265 (0.02102 - 0.05513)
2022	River water	HUY	T-Beta	Bq/l	26	0		26	0.1159 (0.05677 - 0.183)
2022	River water	HUY	Zr-95	Bq/l	26	26	< 0.2986 (0.2538 - 0.359)	0	
2022	River water	LIXHE	Be-7	Bq/l	26	26	< 1.431 (1.233 - 1.693)	0	
2022	River water	LIXHE	Ce-141	Bq/l	26	26	< 0.322 (0.2708 - 0.4361)	0	
2022	River water	LIXHE	Ce-144	Bq/l	26	26	< 1.047 (0.9431 - 1.163)	0	
2022	River water	LIXHE	Cs-134	Bq/l	26	26	< 0.1487 (0.1331 - 0.1656)	0	
2022	River water	LIXHE	Cs-137	Bq/l	26	26	< 0.1566 (0.1329 - 0.1806)	0	
2022	River water	LIXHE	H-3	Bq/l	26	4	< 3.89 (3.239 - 4.471)	22	18.23 (5.436 - 41.1)
2022	River water	LIXHE	I-131	Bq/l	26	26	< 0.555 (0.2911 - 1.224)	0	
2022	River water	LIXHE	K-40	Bq/l	48	22	< 2.555 (2.262 - 3.16)	26	0.1114 (0.06559 - 0.1831)
2022	River water	LIXHE	Nb-95	Bq/l	26	26	< 0.1976 (0.167 - 0.2585)	0	
2022	River water	LIXHE	R-Beta	Bq/l	26	22	< 0.04138 (0.03714 - 0.04595)	4	0.05264 (0.04328 - 0.06214)
2022	River water	LIXHE	Ru-103	Bq/l	26	26	< 0.1792 (0.1558 - 0.2119)	0	
2022	River water	LIXHE	Ru-106	Bq/l	26	26	< 1.362 (1.175 - 1.544)	0	

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2022	River water	LIXHE	T-Alfa	Bq/l	26	20	< 0.02803 (0.01182 - 0.03783)	6	0.02933 (0.02301 - 0.04206)
2022	River water	LIXHE	T-Beta	Bq/l	26	0		26	0.1301 (0.06715 - 0.1856)
2022	River water	LIXHE	Zr-95	Bq/l	26	26	< 0.3023 (0.2622 - 0.3774)	0	
2022	River sediments	AMPSIN	Ag-110m	Bq/kg	13	6	< 2.895 (1.706 - 4.007)	7	12.2 (3.024 - 25.51)
2022	River sediments	AMPSIN	Be-7	Bq/kg	13	0		13	279.3 (76.59 - 507.5)
2022	River sediments	AMPSIN	Co-57	Bq/kg	13	13	< 1.624 (0.8254 - 2.561)	0	
2022	River sediments	AMPSIN	Co-58	Bq/kg	13	5	< 2.927 (2.047 - 4.523)	8	21.77 (5.847 - 44.75)
2022	River sediments	AMPSIN	Co-60	Bq/kg	13	2	< 1.64 (1.541 - 1.739)	11	53.93 (3.472 - 146.5)
2022	River sediments	AMPSIN	Cs-134	Bq/kg	13	13	< 3.181 (1.244 - 5.261)	0	
2022	River sediments	AMPSIN	Cs-137	Bq/kg	13	0		13	7.914 (3.771 - 12.69)
2022	River sediments	AMPSIN	I-131	Bq/kg	13	13	< 173.7 (48.73 - 300.1)	0	
2022	River sediments	AMPSIN	K-40	Bq/kg	13	0		13	410.2 (336.1 - 477.6)
2022	River sediments	AMPSIN	Mn-54	Bq/kg	13	9	< 2.914 (1.48 - 5.696)	4	4.265 (3.685 - 4.914)
2022	River sediments	AMPSIN	Nb-95	Bq/kg	13	11	< 8.564 (3.822 - 14.69)	2	8.669 (6.331 - 11.01)
2022	River sediments	AMPSIN	Ra-226	Bq/kg	13	0		13	60.68 (43.48 - 82.76)
2022	River sediments	AMPSIN	Ra-228	Bq/kg	13	0		13	41.68 (28.86 - 52.73)
2022	River sediments	AMPSIN	Th-228	Bq/kg	13	0		13	41.84 (33.58 - 51.22)
2022	River sediments	AMPSIN	U-238	Bq/kg	13	7	< 34.62 (16.87 - 46.87)	6	45.5 (38.68 - 62.33)
2022	River sediments	AMPSIN	Zn-65	Bq/kg	13	13	< 8.44 (3.702 - 14.23)	0	
2022	River sediments	ANDENNE (GIVES)	Ag-110m	Bq/kg	13	13	< 3.79 (1.722 - 5.104)	0	
2022	River sediments	ANDENNE (GIVES)	Be-7	Bq/kg	13	0		13	222.8 (80.34 - 350.6)
2022	River sediments	ANDENNE (GIVES)	Co-57	Bq/kg	13	13	< 1.599 (0.861 - 2.116)	0	
2022	River sediments	ANDENNE (GIVES)	Co-58	Bq/kg	13	13	< 4.429 (1.958 - 5.972)	0	
2022	River sediments	ANDENNE (GIVES)	Co-60	Bq/kg	13	11	< 3.382 (1.324 - 4.355)	2	9.942 (4.9 - 14.98)
2022	River sediments	ANDENNE (GIVES)	Cs-134	Bq/kg	13	13	< 2.962 (1.278 - 3.916)	0	
2022	River sediments	ANDENNE (GIVES)	Cs-137	Bq/kg	13	0		13	6.233 (4.012 - 11.95)
2022	River sediments	ANDENNE (GIVES)	I-131	Bq/kg	13	13	< 173 (50.6 - 279.6)	0	
2022	River sediments	ANDENNE (GIVES)	K-40	Bq/kg	13	0		13	397.4 (313.4 - 497.7)
2022	River sediments	ANDENNE (GIVES)	Mn-54	Bq/kg	13	13	< 3.221 (1.282 - 4.463)	0	
2022	River sediments	ANDENNE (GIVES)	Nb-95	Bq/kg	13	13	< 8.29 (3.989 - 11.03)	0	
2022	River sediments	ANDENNE (GIVES)	Ra-226	Bq/kg	13	0		13	52.34 (37.12 - 64.74)
2022	River sediments	ANDENNE (GIVES)	Ra-228	Bq/kg	13	0		13	40.73 (33.12 - 55.01)
2022	River sediments	ANDENNE (GIVES)	Th-228	Bq/kg	13	0		13	42.43 (36.2 - 48.4)
2022	River sediments	ANDENNE (GIVES)	U-238	Bq/kg	13	6	< 34.02 (29.66 - 39.98)	7	46.49 (37.82 - 59.53)
2022	River sediments	ANDENNE (GIVES)	Zn-65	Bq/kg	13	13	< 8.125 (3.646 - 11.25)	0	
2022	River sediments	LIXHE	Ag-110m	Bq/kg	13	11	< 4.998 (1.859 - 7.034)	2	9.165 (4.419 - 13.91)
2022	River sediments	LIXHE	Be-7	Bq/kg	13	0		13	274.3 (75.11 - 465.2)
2022	River sediments	LIXHE	Co-57	Bq/kg	13	13	< 2.153 (0.8906 - 3.249)	0	
2022	River sediments	LIXHE	Co-58	Bq/kg	13	10	< 5.818 (2.385 - 8.821)	3	16.2 (8.304 - 26.13)
2022	River sediments	LIXHE	Co-60	Bq/kg	13	5	< 5.45 (3.744 - 7.991)	8	23.1 (1.705 - 78.47)
2022	River sediments	LIXHE	Cs-134	Bq/kg	13	13	< 4.051 (1.382 - 6.17)	0	
2022	River sediments	LIXHE	Cs-137	Bq/kg	13	0		13	6.359 (4.001 - 10.66)
2022	River sediments	LIXHE	I-131	Bq/kg	13	13	< 237.8 (101 - 426.2)	0	
2022	River sediments	LIXHE	K-40	Bq/kg	13	0		13	379 (298.6 - 469.9)
2022	River sediments	LIXHE	Mn-54	Bq/kg	13	13	< 4.324 (1.655 - 6.562)	0	
2022	River sediments	LIXHE	Nb-95	Bq/kg	13	13	< 11.36 (5.279 - 16.88)	0	
2022	River sediments	LIXHE	Ra-226	Bq/kg	13	0		13	54.45 (35.13 - 76.22)
2022	River sediments	LIXHE	Ra-228	Bq/kg	13	0		13	41.2 (33.3 - 49.17)
2022	River sediments	LIXHE	Th-228	Bq/kg	13	0		13	38.07 (29.16 - 48.95)
2022	River sediments	LIXHE	U-238	Bq/kg	13	10	< 49.39 (32.83 - 87.04)	3	44.33 (34.09 - 53.26)
2022	River sediments	LIXHE	Zn-65	Bq/kg	13	13	< 10.83 (4.328 - 15.6)	0	
2022	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Ag-110m	Bq/kg	5	5	< 5.104 (2.856 - 7.265)	0	
2022	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Be-7	Bq/kg	5	0		5	101.5 (39.33 - 217)
2022	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Co-57	Bq/kg	5	5	< 2.125 (1.344 - 2.672)	0	
2022	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Co-58	Bq/kg	5	5	< 5.569 (2.856 - 8.134)	0	
2022	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Co-60	Bq/kg	5	2	< 5.866 (4.421 - 7.311)	3	6.039 (3.798 - 9.977)
2022	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Cs-134	Bq/kg	5	5	< 4.167 (2.381 - 5.849)	0	

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2022	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Cs-137	Bq/kg	5	4	< 4.506 (3.537 - 6.197)	1	2.434
2022	Freshwater aquatic mosses	AMPSIN-FLEMALLE	H-3	Bq/kg	5	4	< 16.27 (2.252 - 23.15)	1	59.85
2022	Freshwater aquatic mosses	AMPSIN-FLEMALLE	I-131	Bq/kg	5	5	< 143 (33.68 - 265.6)	0	
2022	Freshwater aquatic mosses	AMPSIN-FLEMALLE	K-40	Bq/kg	5	0		5	316 (206.4 - 472.2)
2022	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Mn-54	Bq/kg	5	5	< 4.107 (2.223 - 6.194)	0	
2022	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Nb-95	Bq/kg	5	5	< 9.024 (4.185 - 14.12)	0	
2022	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Ra-226	Bq/kg	5	1	< 9.259	4	22.73 (16.96 - 33.63)
2022	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Ra-228	Bq/kg	5	1	< 26.36	4	17.93 (14.67 - 19.39)
2022	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Th-228	Bq/kg	5	1	< 7.851	4	19.3 (14.82 - 26.1)
2022	Freshwater aquatic mosses	AMPSIN-FLEMALLE	Zn-65	Bq/kg	5	5	< 10.14 (5.612 - 14.41)	0	
2022	Freshwater aquatic mosses	ANDENNE (GIVES)	Ag-110m	Bq/kg	3	3	< 3.795 (2.061 - 5.4)	0	
2022	Freshwater aquatic mosses	ANDENNE (GIVES)	Be-7	Bq/kg	3	0		3	243.3 (119.8 - 373.6)
2022	Freshwater aquatic mosses	ANDENNE (GIVES)	Co-57	Bq/kg	3	3	< 1.595 (1.031 - 2.063)	0	
2022	Freshwater aquatic mosses	ANDENNE (GIVES)	Co-58	Bq/kg	3	3	< 3.845 (1.974 - 5.366)	0	
2022	Freshwater aquatic mosses	ANDENNE (GIVES)	Co-60	Bq/kg	3	3	< 3.558 (1.728 - 5.594)	0	
2022	Freshwater aquatic mosses	ANDENNE (GIVES)	Cs-134	Bq/kg	3	3	< 3.06 (1.685 - 4.358)	0	
2022	Freshwater aquatic mosses	ANDENNE (GIVES)	Cs-137	Bq/kg	3	2	< 2.417 (1.614 - 3.221)	1	3.899
2022	Freshwater aquatic mosses	ANDENNE (GIVES)	H-3	Bq/kg	3	3	< 16.86 (9.935 - 20.92)	0	
2022	Freshwater aquatic mosses	ANDENNE (GIVES)	I-131	Bq/kg	3	3	< 70.44 (25.03 - 111.9)	0	
2022	Freshwater aquatic mosses	ANDENNE (GIVES)	K-40	Bq/kg	3	0		3	246.9 (155.2 - 324.2)
2022	Freshwater aquatic mosses	ANDENNE (GIVES)	Mn-54	Bq/kg	3	3	< 3.126 (1.622 - 4.672)	0	
2022	Freshwater aquatic mosses	ANDENNE (GIVES)	Nb-95	Bq/kg	3	3	< 6.18 (3.085 - 8.639)	0	
2022	Freshwater aquatic mosses	ANDENNE (GIVES)	Ra-226	Bq/kg	3	0		3	24.77 (18.09 - 28.12)
2022	Freshwater aquatic mosses	ANDENNE (GIVES)	Ra-228	Bq/kg	3	1	< 17.03	2	14.57 (12.01 - 17.14)
2022	Freshwater aquatic mosses	ANDENNE (GIVES)	Th-228	Bq/kg	3	0		3	16.66 (15.31 - 18.31)
2022	Freshwater aquatic mosses	ANDENNE (GIVES)	Zn-65	Bq/kg	3	3	< 7.824 (3.954 - 11.54)	0	
2022	Freshwater aquatic mosses	HUY	Ag-110m	Bq/kg	5	5	< 5.784 (4.783 - 6.872)	0	
2022	Freshwater aquatic mosses	HUY	Be-7	Bq/kg	5	2	< 62.62 (60.1 - 65.15)	3	179.5 (135.6 - 232.9)
2022	Freshwater aquatic mosses	HUY	Co-57	Bq/kg	5	5	< 2.455 (1.782 - 2.966)	0	
2022	Freshwater aquatic mosses	HUY	Co-58	Bq/kg	5	5	< 6.447 (5.391 - 7.553)	0	
2022	Freshwater aquatic mosses	HUY	Co-60	Bq/kg	5	5	< 5.297 (4.246 - 5.991)	0	
2022	Freshwater aquatic mosses	HUY	Cs-134	Bq/kg	5	5	< 4.796 (3.705 - 5.973)	0	
2022	Freshwater aquatic mosses	HUY	Cs-137	Bq/kg	5	5	< 4.751 (3.947 - 5.826)	0	
2022	Freshwater aquatic mosses	HUY	H-3	Bq/kg	5	5	< 19.99 (15.44 - 22.7)	0	
2022	Freshwater aquatic mosses	HUY	I-131	Bq/kg	5	5	< 155.7 (86.46 - 205.8)	0	
2022	Freshwater aquatic mosses	HUY	K-40	Bq/kg	5	0		5	413.6 (283.6 - 602.7)
2022	Freshwater aquatic mosses	HUY	Mn-54	Bq/kg	5	5	< 4.833 (4.05 - 5.497)	0	
2022	Freshwater aquatic mosses	HUY	Nb-95	Bq/kg	5	5	< 9.798 (7.01 - 13.42)	0	
2022	Freshwater aquatic mosses	HUY	Ra-226	Bq/kg	5	1	< 5.411	4	23.78 (10.93 - 49.27)
2022	Freshwater aquatic mosses	HUY	Ra-228	Bq/kg	5	5	< 19.27 (16.63 - 21.74)	0	
2022	Freshwater aquatic mosses	HUY	Th-228	Bq/kg	5	3	< 6.642 (5.119 - 8.483)	2	15.49 (10.33 - 20.65)
2022	Freshwater aquatic mosses	HUY	Zn-65	Bq/kg	5	5	< 12.14 (9.777 - 14.78)	0	
2022	Freshwater aquatic mosses	WISE (LIXHE)	Ag-110m	Bq/kg	4	4	< 9.881 (4.305 - 13.97)	0	
2022	Freshwater aquatic mosses	WISE (LIXHE)	Be-7	Bq/kg	4	2	< 125.1 (102.3 - 148)	2	166.5 (78.88 - 254)
2022	Freshwater aquatic mosses	WISE (LIXHE)	Co-57	Bq/kg	4	4	< 4.259 (1.916 - 6.365)	0	
2022	Freshwater aquatic mosses	WISE (LIXHE)	Co-58	Bq/kg	4	4	< 11.35 (5.095 - 16.65)	0	
2022	Freshwater aquatic mosses	WISE (LIXHE)	Co-60	Bq/kg	4	3	< 11.28 (10.07 - 13.04)	1	3.014
2022	Freshwater aquatic mosses	WISE (LIXHE)	Cs-134	Bq/kg	4	4	< 8.207 (3.503 - 12.1)	0	
2022	Freshwater aquatic mosses	WISE (LIXHE)	Cs-137	Bq/kg	4	4	< 7.947 (3.189 - 11.34)	0	
2022	Freshwater aquatic mosses	WISE (LIXHE)	H-3	Bq/kg	4	4	< 20.8 (19.48 - 22.91)	0	
2022	Freshwater aquatic mosses	WISE (LIXHE)	I-131	Bq/kg	4	4	< 268.6 (130.9 - 462.9)	0	
2022	Freshwater aquatic mosses	WISE (LIXHE)	K-40	Bq/kg	4	0		4	650.1 (229.5 - 1139)
2022	Freshwater aquatic mosses	WISE (LIXHE)	Mn-54	Bq/kg	4	4	< 8.333 (3.408 - 11.79)	0	
2022	Freshwater aquatic mosses	WISE (LIXHE)	Nb-95	Bq/kg	4	4	< 17.49 (7.912 - 27.09)	0	
2022	Freshwater aquatic mosses	WISE (LIXHE)	Ra-226	Bq/kg	4	1	< 19.22	3	25.99 (14.52 - 48.92)
2022	Freshwater aquatic mosses	WISE (LIXHE)	Ra-228	Bq/kg	4	4	< 32.3 (12.66 - 43.8)	0	
2022	Freshwater aquatic mosses	WISE (LIXHE)	Th-228	Bq/kg	4	3	< 15.27 (10.49 - 19.79)	1	11.32

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2022	Freshwater aquatic mosses	WISE (LIXHE)	Zn-65	Bq/kg	4	4	< 20.09 (8.665 - 28.81)	0	
2022	Freshwater aquatic plants	AMPSIN-FLEMALLE	Ag-110m	Bq/kg	4	4	< 4.315 (2.044 - 5.129)	0	
2022	Freshwater aquatic plants	AMPSIN-FLEMALLE	Be-7	Bq/kg	4	0		4	129.9 (62.29 - 271)
2022	Freshwater aquatic plants	AMPSIN-FLEMALLE	Co-57	Bq/kg	4	4	< 1.816 (1.059 - 2.265)	0	
2022	Freshwater aquatic plants	AMPSIN-FLEMALLE	Co-58	Bq/kg	4	4	< 4.856 (2.184 - 6.028)	0	
2022	Freshwater aquatic plants	AMPSIN-FLEMALLE	Co-60	Bq/kg	4	4	< 4.271 (1.96 - 5.431)	0	
2022	Freshwater aquatic plants	AMPSIN-FLEMALLE	Cs-134	Bq/kg	4	4	< 3.637 (1.817 - 4.445)	0	
2022	Freshwater aquatic plants	AMPSIN-FLEMALLE	Cs-137	Bq/kg	4	4	< 3.457 (1.449 - 4.801)	0	
2022	Freshwater aquatic plants	AMPSIN-FLEMALLE	H-3	Bq/kg	4	4	< 19.15 (18.14 - 21.53)	0	
2022	Freshwater aquatic plants	AMPSIN-FLEMALLE	I-131	Bq/kg	4	4	< 81.43 (32.26 - 120.4)	0	
2022	Freshwater aquatic plants	AMPSIN-FLEMALLE	K-40	Bq/kg	4	0		4	450.1 (251.7 - 623.7)
2022	Freshwater aquatic plants	AMPSIN-FLEMALLE	Mn-54	Bq/kg	4	4	< 3.773 (1.785 - 4.964)	0	
2022	Freshwater aquatic plants	AMPSIN-FLEMALLE	Nb-95	Bq/kg	4	4	< 7.093 (3.309 - 8.823)	0	
2022	Freshwater aquatic plants	AMPSIN-FLEMALLE	Ra-226	Bq/kg	4	4	< 7.419 (3.574 - 9.267)	0	
2022	Freshwater aquatic plants	AMPSIN-FLEMALLE	Ra-228	Bq/kg	4	4	< 14.9 (6.802 - 19.53)	0	
2022	Freshwater aquatic plants	AMPSIN-FLEMALLE	Th-228	Bq/kg	4	4	< 5.396 (3.089 - 6.986)	0	
2022	Freshwater aquatic plants	AMPSIN-FLEMALLE	Zn-65	Bq/kg	4	4	< 9.066 (4.399 - 11.07)	0	
2022	Freshwater aquatic plants	ANDENNE (GIVES)	Ag-110m	Bq/kg	4	4	< 4.962 (3.904 - 5.766)	0	
2022	Freshwater aquatic plants	ANDENNE (GIVES)	Be-7	Bq/kg	4	1	< 57.75	3	115.6 (37.08 - 229.1)
2022	Freshwater aquatic plants	ANDENNE (GIVES)	Co-57	Bq/kg	4	4	< 2.127 (1.834 - 2.585)	0	
2022	Freshwater aquatic plants	ANDENNE (GIVES)	Co-58	Bq/kg	4	4	< 5.197 (3.949 - 5.881)	0	
2022	Freshwater aquatic plants	ANDENNE (GIVES)	Co-60	Bq/kg	4	4	< 4.885 (3.449 - 5.448)	0	
2022	Freshwater aquatic plants	ANDENNE (GIVES)	Cs-134	Bq/kg	4	4	< 4.149 (3.165 - 4.838)	0	
2022	Freshwater aquatic plants	ANDENNE (GIVES)	Cs-137	Bq/kg	4	4	< 3.924 (2.352 - 4.612)	0	
2022	Freshwater aquatic plants	ANDENNE (GIVES)	H-3	Bq/kg	4	4	< 20.96 (19.69 - 22.39)	0	
2022	Freshwater aquatic plants	ANDENNE (GIVES)	I-131	Bq/kg	4	4	< 91.31 (58.92 - 122.6)	0	
2022	Freshwater aquatic plants	ANDENNE (GIVES)	K-40	Bq/kg	4	0		4	412.4 (215.1 - 516.2)
2022	Freshwater aquatic plants	ANDENNE (GIVES)	Mn-54	Bq/kg	4	4	< 4.282 (3.186 - 4.851)	0	
2022	Freshwater aquatic plants	ANDENNE (GIVES)	Nb-95	Bq/kg	4	4	< 8.065 (5.783 - 9.117)	0	
2022	Freshwater aquatic plants	ANDENNE (GIVES)	Ra-226	Bq/kg	4	4	< 8.295 (6.05 - 9.768)	0	
2022	Freshwater aquatic plants	ANDENNE (GIVES)	Ra-228	Bq/kg	4	4	< 17.09 (12.23 - 19.44)	0	
2022	Freshwater aquatic plants	ANDENNE (GIVES)	Th-228	Bq/kg	4	4	< 6.16 (5.409 - 7.752)	0	
2022	Freshwater aquatic plants	ANDENNE (GIVES)	Zn-65	Bq/kg	4	4	< 10.07 (7.571 - 11.51)	0	
2022	Freshwater aquatic plants	HUY	Ag-110m	Bq/kg	3	3	< 4.521 (2.456 - 6.116)	0	
2022	Freshwater aquatic plants	HUY	Be-7	Bq/kg	3	0		3	112.7 (42.3 - 248.5)
2022	Freshwater aquatic plants	HUY	Co-57	Bq/kg	3	3	< 1.905 (1.141 - 2.332)	0	
2022	Freshwater aquatic plants	HUY	Co-58	Bq/kg	3	3	< 4.664 (2.4 - 6.347)	0	
2022	Freshwater aquatic plants	HUY	Co-60	Bq/kg	3	3	< 4.262 (2.243 - 6.007)	0	
2022	Freshwater aquatic plants	HUY	Cs-134	Bq/kg	3	3	< 3.677 (1.938 - 4.727)	0	
2022	Freshwater aquatic plants	HUY	Cs-137	Bq/kg	3	2	< 4.642 (4.089 - 5.195)	1	1.674
2022	Freshwater aquatic plants	HUY	H-3	Bq/kg	3	2	< 19.53 (19.2 - 19.86)	1	55.08
2022	Freshwater aquatic plants	HUY	I-131	Bq/kg	3	3	< 74.91 (36.53 - 105.1)	0	
2022	Freshwater aquatic plants	HUY	K-40	Bq/kg	3	0		3	376.8 (211 - 492.4)
2022	Freshwater aquatic plants	HUY	Mn-54	Bq/kg	3	3	< 3.786 (1.895 - 5.314)	0	
2022	Freshwater aquatic plants	HUY	Nb-95	Bq/kg	3	3	< 7.432 (3.654 - 10.54)	0	
2022	Freshwater aquatic plants	HUY	Ra-226	Bq/kg	3	3	< 6.739 (3.905 - 8.571)	0	
2022	Freshwater aquatic plants	HUY	Ra-228	Bq/kg	3	3	< 14.98 (7.433 - 22.16)	0	
2022	Freshwater aquatic plants	HUY	Th-228	Bq/kg	3	3	< 5.597 (3.492 - 6.653)	0	
2022	Freshwater aquatic plants	HUY	Zn-65	Bq/kg	3	3	< 9.045 (4.894 - 12.14)	0	
2022	Freshwater aquatic plants	WISE (LIXHE)	Ag-110m	Bq/kg	4	4	< 9.194 (3.504 - 12.4)	0	
2022	Freshwater aquatic plants	WISE (LIXHE)	Be-7	Bq/kg	4	1	< 83.09	3	174.4 (47.43 - 271.5)
2022	Freshwater aquatic plants	WISE (LIXHE)	Co-57	Bq/kg	4	4	< 3.645 (1.559 - 4.687)	0	
2022	Freshwater aquatic plants	WISE (LIXHE)	Co-58	Bq/kg	4	4	< 10.37 (3.822 - 13.9)	0	
2022	Freshwater aquatic plants	WISE (LIXHE)	Co-60	Bq/kg	4	4	< 8.69 (3.721 - 12.22)	0	
2022	Freshwater aquatic plants	WISE (LIXHE)	Cs-134	Bq/kg	4	4	< 7.731 (3.125 - 9.929)	0	
2022	Freshwater aquatic plants	WISE (LIXHE)	Cs-137	Bq/kg	4	4	< 7.705 (3.258 - 10.02)	0	
2022	Freshwater aquatic plants	WISE (LIXHE)	H-3	Bq/kg	4	3	< 85.06 (20.31 - 212.1)	1	22.17



Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2022	Freshwater aquatic plants	WISE (LIXHE)	I-131	Bq/kg	4	4	< 224.5 (45.73 - 352)	0	
2022	Freshwater aquatic plants	WISE (LIXHE)	K-40	Bq/kg	4	0		4	552.3 (442 - 703.1)
2022	Freshwater aquatic plants	WISE (LIXHE)	Mn-54	Bq/kg	4	4	< 7.837 (3.505 - 10.86)	0	
2022	Freshwater aquatic plants	WISE (LIXHE)	Nb-95	Bq/kg	4	4	< 15.82 (5.868 - 21.14)	0	
2022	Freshwater aquatic plants	WISE (LIXHE)	Ra-226	Bq/kg	4	3	< 14.09 (6.364 - 18.8)	1	14.14
2022	Freshwater aquatic plants	WISE (LIXHE)	Ra-228	Bq/kg	4	4	< 31.86 (14.46 - 44.1)	0	
2022	Freshwater aquatic plants	WISE (LIXHE)	Th-228	Bq/kg	4	4	< 10.93 (4.42 - 14.9)	0	
2022	Freshwater aquatic plants	WISE (LIXHE)	Zn-65	Bq/kg	4	4	< 18.91 (7.893 - 24.54)	0	
2022	Freshwater mussels	AMPSIN-FLEMALLE	Ag-110m	Bq/kg	3	3	< 1.671 (0.7688 - 2.139)	0	
2022	Freshwater mussels	AMPSIN-FLEMALLE	Be-7	Bq/kg	3	3	< 14.02 (7.835 - 20.96)	0	
2022	Freshwater mussels	AMPSIN-FLEMALLE	Co-57	Bq/kg	3	3	< 0.6954 (0.4235 - 0.8499)	0	
2022	Freshwater mussels	AMPSIN-FLEMALLE	Co-58	Bq/kg	3	3	< 1.849 (0.962 - 2.409)	0	
2022	Freshwater mussels	AMPSIN-FLEMALLE	Co-60	Bq/kg	3	2	< 1.588 (0.8426 - 2.334)	1	2.897
2022	Freshwater mussels	AMPSIN-FLEMALLE	Cs-134	Bq/kg	3	3	< 1.293 (0.6717 - 1.617)	0	
2022	Freshwater mussels	AMPSIN-FLEMALLE	Cs-137	Bq/kg	3	3	< 1.303 (0.705 - 1.696)	0	
2022	Freshwater mussels	AMPSIN-FLEMALLE	H-3	Bq/kg	3	3	< 7.556 (4.526 - 10.09)	0	
2022	Freshwater mussels	AMPSIN-FLEMALLE	I-131	Bq/kg	3	3	< 37.61 (23.84 - 57.82)	0	
2022	Freshwater mussels	AMPSIN-FLEMALLE	K-40	Bq/kg	3	3	< 19.9 (11.27 - 24.26)	0	
2022	Freshwater mussels	AMPSIN-FLEMALLE	Mn-54	Bq/kg	3	3	< 1.446 (0.7292 - 1.86)	0	
2022	Freshwater mussels	AMPSIN-FLEMALLE	Nb-95	Bq/kg	3	3	< 2.888 (1.609 - 3.84)	0	
2022	Freshwater mussels	AMPSIN-FLEMALLE	Ra-226	Bq/kg	3	0		3	6.299 (3.767 - 8.928)
2022	Freshwater mussels	AMPSIN-FLEMALLE	Ra-228	Bq/kg	3	2	< 7.265 (7.112 - 7.418)	1	3.849
2022	Freshwater mussels	AMPSIN-FLEMALLE	Th-228	Bq/kg	3	1	< 2.111	2	2.628 (1.829 - 3.427)
2022	Freshwater mussels	AMPSIN-FLEMALLE	Zn-65	Bq/kg	3	3	< 2.985 (1.684 - 3.796)	0	
2022	Freshwater mussels	ANDENNE (GIVES)	Ag-110m	Bq/kg	4	4	< 1.06 (0.7627 - 1.783)	0	
2022	Freshwater mussels	ANDENNE (GIVES)	Be-7	Bq/kg	4	1	< 9.637	3	18.69 (15.81 - 23.67)
2022	Freshwater mussels	ANDENNE (GIVES)	Co-57	Bq/kg	4	4	< 0.5402 (0.4359 - 0.8042)	0	
2022	Freshwater mussels	ANDENNE (GIVES)	Co-58	Bq/kg	4	4	< 1.186 (0.8009 - 1.947)	0	
2022	Freshwater mussels	ANDENNE (GIVES)	Co-60	Bq/kg	4	4	< 0.9789 (0.5893 - 1.754)	0	
2022	Freshwater mussels	ANDENNE (GIVES)	Cs-134	Bq/kg	4	4	< 0.8755 (0.6408 - 1.496)	0	
2022	Freshwater mussels	ANDENNE (GIVES)	Cs-137	Bq/kg	4	4	< 0.8047 (0.4625 - 1.174)	0	
2022	Freshwater mussels	ANDENNE (GIVES)	H-3	Bq/kg	4	4	< 9.845 (4.068 - 14.3)	0	
2022	Freshwater mussels	ANDENNE (GIVES)	I-131	Bq/kg	4	4	< 25.03 (17.12 - 29.57)	0	
2022	Freshwater mussels	ANDENNE (GIVES)	K-40	Bq/kg	4	2	< 17.13 (11.64 - 22.63)	2	35.49 (26.12 - 44.85)
2022	Freshwater mussels	ANDENNE (GIVES)	Mn-54	Bq/kg	4	4	< 0.9432 (0.6114 - 1.643)	0	
2022	Freshwater mussels	ANDENNE (GIVES)	Nb-95	Bq/kg	4	4	< 1.946 (1.334 - 3.13)	0	
2022	Freshwater mussels	ANDENNE (GIVES)	Ra-226	Bq/kg	4	0		4	6.796 (4.235 - 9.483)
2022	Freshwater mussels	ANDENNE (GIVES)	Ra-228	Bq/kg	4	1	< 7.087	3	3.995 (2.836 - 4.999)
2022	Freshwater mussels	ANDENNE (GIVES)	Th-228	Bq/kg	4	0		4	3.315 (2.105 - 4.518)
2022	Freshwater mussels	ANDENNE (GIVES)	Zn-65	Bq/kg	4	4	< 2.076 (1.475 - 3.596)	0	
2022	Freshwater mussels	HUY	Ag-110m	Bq/kg	1	1	< 1.802	0	
2022	Freshwater mussels	HUY	Be-7	Bq/kg	1	1	< 19.47	0	
2022	Freshwater mussels	HUY	Co-57	Bq/kg	1	1	< 0.7834	0	
2022	Freshwater mussels	HUY	Co-58	Bq/kg	1	1	< 2.031	0	
2022	Freshwater mussels	HUY	Co-60	Bq/kg	1	1	< 1.719	0	
2022	Freshwater mussels	HUY	Cs-134	Bq/kg	1	1	< 1.467	0	
2022	Freshwater mussels	HUY	Cs-137	Bq/kg	1	1	< 1.466	0	
2022	Freshwater mussels	HUY	H-3	Bq/kg	1	1	< 9.321	0	
2022	Freshwater mussels	HUY	I-131	Bq/kg	1	1	< 58.24	0	
2022	Freshwater mussels	HUY	K-40	Bq/kg	1	1	< 21.79	0	
2022	Freshwater mussels	HUY	Mn-54	Bq/kg	1	1	< 1.521	0	
2022	Freshwater mussels	HUY	Nb-95	Bq/kg	1	1	< 3.535	0	
2022	Freshwater mussels	HUY	Ra-226	Bq/kg	1	0		1	7.079
2022	Freshwater mussels	HUY	Ra-228	Bq/kg	1	1	< 6.58	0	
2022	Freshwater mussels	HUY	Th-228	Bq/kg	1	1	< 2.233	0	
2022	Freshwater mussels	HUY	Zn-65	Bq/kg	1	1	< 3.696	0	
2022	Freshwater mussels	WISE (LIXHE)	Ag-110m	Bq/kg	4	4	< 1.023 (0.7478 - 1.633)	0	



Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2022	Freshwater mussels	WISE (LIXHE)	Be-7	Bq/kg	4	0		4	13.21 (8.16 - 17.89)
2022	Freshwater mussels	WISE (LIXHE)	Co-57	Bq/kg	4	4	< 0.5412 (0.4356 - 0.801)	0	
2022	Freshwater mussels	WISE (LIXHE)	Co-58	Bq/kg	4	4	< 1.223 (0.8399 - 2.168)	0	
2022	Freshwater mussels	WISE (LIXHE)	Co-60	Bq/kg	4	4	< 1.032 (0.6609 - 1.709)	0	
2022	Freshwater mussels	WISE (LIXHE)	Cs-134	Bq/kg	4	4	< 0.8748 (0.6447 - 1.469)	0	
2022	Freshwater mussels	WISE (LIXHE)	Cs-137	Bq/kg	4	3	< 0.9165 (0.5625 - 1.448)	1	0.8193
2022	Freshwater mussels	WISE (LIXHE)	H-3	Bq/kg	4	3	< 8.809 (4.755 - 11.16)	1	15.08
2022	Freshwater mussels	WISE (LIXHE)	I-131	Bq/kg	4	4	< 29.12 (15.56 - 56.77)	0	
2022	Freshwater mussels	WISE (LIXHE)	K-40	Bq/kg	4	3	< 13.43 (7.775 - 21.41)	1	33.05
2022	Freshwater mussels	WISE (LIXHE)	Mn-54	Bq/kg	4	4	< 0.9292 (0.6054 - 1.549)	0	
2022	Freshwater mussels	WISE (LIXHE)	Nb-95	Bq/kg	4	4	< 1.983 (1.389 - 3.423)	0	
2022	Freshwater mussels	WISE (LIXHE)	Ra-226	Bq/kg	4	0		4	9.072 (3.693 - 11.43)
2022	Freshwater mussels	WISE (LIXHE)	Ra-228	Bq/kg	4	1	< 5.048	3	4.905 (3.395 - 7.875)
2022	Freshwater mussels	WISE (LIXHE)	Th-228	Bq/kg	4	0		4	3.137 (1.95 - 4.376)
2022	Freshwater mussels	WISE (LIXHE)	Zn-65	Bq/kg	4	4	< 2.173 (1.542 - 3.799)	0	
2022	Wastewater-NPP Tihange	TIHANGE-Primary effluents	Ag-108m	Bq/l	15	12	< 1.598 (0.6912 - 2.228)	3	2.857 (2.255 - 3.67)
2022	Wastewater-NPP Tihange	TIHANGE-Primary effluents	Ag-110m	Bq/l	15	1	< 2.065	14	11.25 (1.923 - 26.57)
2022	Wastewater-NPP Tihange	TIHANGE-Primary effluents	Be-7	Bq/l	15	15	< 21.03 (6.136 - 45.9)	0	
2022	Wastewater-NPP Tihange	TIHANGE-Primary effluents	Ce-141	Bq/l	15	15	< 4.08 (0.7296 - 9.315)	0	
2022	Wastewater-NPP Tihange	TIHANGE-Primary effluents	Ce-144	Bq/l	15	15	< 7.985 (2.518 - 14)	0	
2022	Wastewater-NPP Tihange	TIHANGE-Primary effluents	Co-57	Bq/l	15	15	< 0.9916 (0.3002 - 1.73)	0	
2022	Wastewater-NPP Tihange	TIHANGE-Primary effluents	Co-58	Bq/l	15	3	< 2.988 (1.759 - 4.86)	12	36.34 (4.636 - 119.7)
2022	Wastewater-NPP Tihange	TIHANGE-Primary effluents	Co-60	Bq/l	15	0		15	78.94 (2.342 - 509)
2022	Wastewater-NPP Tihange	TIHANGE-Primary effluents	Cr-51	Bq/l	15	15	< 32.55 (5.803 - 77.8)	0	
2022	Wastewater-NPP Tihange	TIHANGE-Primary effluents	Cs-134	Bq/l	15	15	< 1.938 (0.8217 - 3.5)	0	
2022	Wastewater-NPP Tihange	TIHANGE-Primary effluents	Cs-137	Bq/l	15	0		15	12.69 (1.513 - 64.25)
2022	Wastewater-NPP Tihange	TIHANGE-Primary effluents	Fe-59	Bq/l	15	15	< 5.365 (1.718 - 11.7)	0	
2022	Wastewater-NPP Tihange	TIHANGE-Primary effluents	H-3	Bq/l	15	0		15	3390000 (15110 - 7402000)
2022	Wastewater-NPP Tihange	TIHANGE-Primary effluents	I-131	Bq/l	15	15	< 85.77 (1.935 - 493.7)	0	
2022	Wastewater-NPP Tihange	TIHANGE-Primary effluents	Mn-54	Bq/l	15	4	< 2.044 (1.396 - 3.62)	11	3.728 (1.259 - 6.918)
2022	Wastewater-NPP Tihange	TIHANGE-Primary effluents	Nb-95	Bq/l	15	12	< 3.911 (0.9747 - 10.6)	3	7.345 (2.389 - 10.15)
2022	Wastewater-NPP Tihange	TIHANGE-Primary effluents	Ru-103	Bq/l	15	15	< 3.02 (0.7378 - 6.92)	0	
2022	Wastewater-NPP Tihange	TIHANGE-Primary effluents	Ru-106	Bq/l	15	15	< 15.6 (6.379 - 31.6)	0	
2022	Wastewater-NPP Tihange	TIHANGE-Primary effluents	Sb-124	Bq/l	15	7	< 3.161 (1.027 - 6.01)	8	11.37 (1.068 - 32.76)
2022	Wastewater-NPP Tihange	TIHANGE-Primary effluents	Sb-125	Bq/l	15	9	< 4.073 (1.994 - 9.598)	6	31.65 (8.335 - 108.6)
2022	Wastewater-NPP Tihange	TIHANGE-Primary effluents	Sn-113	Bq/l	15	15	< 2.387 (0.8258 - 4.61)	0	
2022	Wastewater-NPP Tihange	TIHANGE-Primary effluents	Te-123m	Bq/l	15	13	< 1.167 (0.3738 - 2.17)	2	1.639 (1.239 - 2.039)
2022	Wastewater-NPP Tihange	TIHANGE-Primary effluents	Zn-65	Bq/l	15	15	< 4.002 (1.671 - 9.87)	0	
2022	Wastewater-NPP Tihange	TIHANGE-Primary effluents	Zr-95	Bq/l	15	15	< 4.187 (1.214 - 10.3)	0	
2022	Wastewater-NPP Tihange	TIHANGE-Purging steam generators	Ag-110m	Bq/l	12	12	< 1.516 (0.7281 - 1.894)	0	
2022	Wastewater-NPP Tihange	TIHANGE-Purging steam generators	Be-7	Bq/l	12	12	< 15.61 (8.625 - 25.11)	0	
2022	Wastewater-NPP Tihange	TIHANGE-Purging steam generators	Ce-141	Bq/l	12	12	< 3.572 (1.608 - 7.882)	0	
2022	Wastewater-NPP Tihange	TIHANGE-Purging steam generators	Ce-144	Bq/l	12	12	< 7.048 (2.544 - 9.536)	0	
2022	Wastewater-NPP Tihange	TIHANGE-Purging steam generators	Co-57	Bq/l	12	12	< 0.8648 (0.2948 - 1.147)	0	
2022	Wastewater-NPP Tihange	TIHANGE-Purging steam generators	Co-58	Bq/l	12	12	< 1.606 (0.9427 - 2.449)	0	
2022	Wastewater-NPP Tihange	TIHANGE-Purging steam generators	Co-60	Bq/l	12	12	< 1.237 (0.6453 - 1.406)	0	
2022	Wastewater-NPP Tihange	TIHANGE-Purging steam generators	Cr-51	Bq/l	12	12	< 25.41 (13.56 - 57.01)	0	
2022	Wastewater-NPP Tihange	TIHANGE-Purging steam generators	Cs-134	Bq/l	12	12	< 1.309 (0.6414 - 1.576)	0	
2022	Wastewater-NPP Tihange	TIHANGE-Purging steam generators	Cs-137	Bq/l	12	12	< 1.265 (0.5874 - 1.632)	0	
2022	Wastewater-NPP Tihange	TIHANGE-Purging steam generators	Fe-59	Bq/l	12	12	< 3.812 (2.376 - 6.609)	0	
2022	Wastewater-NPP Tihange	TIHANGE-Purging steam generators	H-3	Bq/l	12	0		12	7213 (6.559 - 62040)
2022	Wastewater-NPP Tihange	TIHANGE-Purging steam generators	I-131	Bq/l	12	12	< 66.99 (4.752 - 431.9)	0	
2022	Wastewater-NPP Tihange	TIHANGE-Purging steam generators	Mn-54	Bq/l	12	12	< 1.192 (0.6219 - 1.468)	0	
2022	Wastewater-NPP Tihange	TIHANGE-Purging steam generators	Nb-95	Bq/l	12	12	< 2.61 (1.475 - 5.247)	0	
2022	Wastewater-NPP Tihange	TIHANGE-Purging steam generators	Ru-103	Bq/l	12	12	< 2.271 (1.301 - 4.265)	0	
2022	Wastewater-NPP Tihange	TIHANGE-Purging steam generators	Ru-106	Bq/l	12	12	< 11.44 (5.625 - 14.26)	0	
2022	Wastewater-NPP Tihange	TIHANGE-Purging steam generators	Sb-124	Bq/l	12	12	< 1.883 (1.085 - 3.049)	0	

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2022	Wastewater-NPP Tihange	TIHANGE-Purging steam generators	Sb-125	Bq/l	12	12	< 3.499 (1.646 - 4.129)	0	
2022	Wastewater-NPP Tihange	TIHANGE-Purging steam generators	Sn-113	Bq/l	12	12	< 1.839 (0.908 - 2.6)	0	
2022	Wastewater-NPP Tihange	TIHANGE-Purging steam generators	Te-123m	Bq/l	12	12	< 1.049 (0.4325 - 1.532)	0	
2022	Wastewater-NPP Tihange	TIHANGE-Purging steam generators	Zn-65	Bq/l	12	12	< 2.801 (1.456 - 3.448)	0	
2022	Wastewater-NPP Tihange	TIHANGE-Purging steam generators	Zr-95	Bq/l	12	12	< 3.03 (1.658 - 4.843)	0	

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

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

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2022	Outdoor air	FLEURUS	Be-7	Bq/m <sup>3</sup>	13	0		13	0.002969 (0.001153 - 0.004661)
2022	Outdoor air	FLEURUS	Ce-141	Bq/m <sup>3</sup>	13	13	< 0.0001562 (2.93e-05 - 0.0008306)	0	
2022	Outdoor air	FLEURUS	Ce-144	Bq/m <sup>3</sup>	13	13	< 9.722e-05 (4.54e-05 - 0.0001336)	0	
2022	Outdoor air	FLEURUS	Cs-134	Bq/m <sup>3</sup>	13	13	< 2.659e-05 (1.51e-05 - 3.26e-05)	0	
2022	Outdoor air	FLEURUS	Cs-137	Bq/m <sup>3</sup>	13	13	< 2.203e-05 (1.31e-05 - 2.73e-05)	0	
2022	Outdoor air	FLEURUS	I-131	Bq/m <sup>3</sup>	13	13	< 3.444 (0.00027 - 42.64)	0	
2022	Outdoor air	FLEURUS	K-40	Bq/m <sup>3</sup>	13	2	< 0.000335 (0.0003095 - 0.0003605)	11	0.0004972 (0.0003771 - 0.0006457)
2022	Outdoor air	FLEURUS	Nb-95	Bq/m <sup>3</sup>	13	13	< 0.0001424 (3.04e-05 - 0.0006894)	0	
2022	Outdoor air	FLEURUS	Ru-103	Bq/m <sup>3</sup>	13	13	< 8.868e-05 (2.38e-05 - 0.0003833)	0	
2022	Outdoor air	FLEURUS	Ru-106	Bq/m <sup>3</sup>	13	13	< 0.0002184 (0.0001177 - 0.0002822)	0	
2022	Outdoor air	FLEURUS	T-Beta	Bq/m <sup>3</sup>	366	39	< 0.0001544 (4e-06 - 0.0001863)	327	0.0005267 (9.33e-05 - 0.001973)
2022	Outdoor air	FLEURUS	Zr-95	Bq/m <sup>3</sup>	13	13	< 9.455e-05 (3.37e-05 - 0.0002679)	0	
2022	Total deposition filtered	FLEURUS	Be-7	Bq/m <sup>2</sup>	13	7	< 15.35 (9.815 - 20.43)	6	25.2 (10.79 - 45.9)
2022	Total deposition filtered	FLEURUS	Ce-141	Bq/m <sup>2</sup>	13	13	< 3.662 (2.483 - 5.06)	0	
2022	Total deposition filtered	FLEURUS	Ce-144	Bq/m <sup>2</sup>	13	13	< 9.593 (5.673 - 11.27)	0	
2022	Total deposition filtered	FLEURUS	Cs-134	Bq/m <sup>2</sup>	13	13	< 1.356 (0.7126 - 1.58)	0	
2022	Total deposition filtered	FLEURUS	Cs-137	Bq/m <sup>2</sup>	13	13	< 1.391 (0.7381 - 1.704)	0	
2022	Total deposition filtered	FLEURUS	H-3	Bq/m <sup>2</sup>	13	13	< 207.1 (22.99 - 367.4)	0	
2022	Total deposition filtered	FLEURUS	I-131	Bq/m <sup>2</sup>	13	13	< 12.82 (5.324 - 39.92)	0	
2022	Total deposition filtered	FLEURUS	K-40	Bq/m <sup>2</sup>	23	10	< 23.07 (11.08 - 29.67)	13	1.256 (0.03587 - 2.075)
2022	Total deposition filtered	FLEURUS	Nb-95	Bq/m <sup>2</sup>	13	13	< 2.215 (1.256 - 3.46)	0	
2022	Total deposition filtered	FLEURUS	R-Beta	Bq/l	13	2	< 0.001368 (0.0007351 - 0.002001)	11	0.04314 (0.008 - 0.2716)
2022	Total deposition filtered	FLEURUS	Ru-103	Bq/m <sup>2</sup>	13	13	< 1.981 (1.144 - 2.888)	0	
2022	Total deposition filtered	FLEURUS	Ru-106	Bq/m <sup>2</sup>	13	13	< 12.63 (6.69 - 14.88)	0	
2022	Total deposition filtered	FLEURUS	T-Alfa	Bq/m <sup>2</sup>	13	0		13	0.3946 (0.08884 - 1.418)
2022	Total deposition filtered	FLEURUS	T-Beta	Bq/m <sup>2</sup>	13	0		13	2.315 (0.6011 - 3.659)
2022	Total deposition filtered	FLEURUS	Zr-95	Bq/m <sup>2</sup>	13	13	< 3.013 (1.711 - 4.296)	0	
2022	Total deposition residue	FLEURUS	Be-7	Bq/m <sup>2</sup>	13	1	< 6.19	12	27.07 (7.115 - 65.62)
2022	Total deposition residue	FLEURUS	Ce-141	Bq/m <sup>2</sup>	13	13	< 1.948 (0.8273 - 3.579)	0	
2022	Total deposition residue	FLEURUS	Ce-144	Bq/m <sup>2</sup>	13	13	< 4.759 (1.987 - 8.137)	0	
2022	Total deposition residue	FLEURUS	Cs-134	Bq/m <sup>2</sup>	13	13	< 0.9254 (0.4077 - 1.697)	0	
2022	Total deposition residue	FLEURUS	Cs-137	Bq/m <sup>2</sup>	13	13	< 0.9437 (0.4251 - 1.695)	0	
2022	Total deposition residue	FLEURUS	I-131	Bq/m <sup>2</sup>	13	13	< 8.17 (2.479 - 18.41)	0	
2022	Total deposition residue	FLEURUS	K-40	Bq/m <sup>2</sup>	13	13	< 13.52 (5.717 - 25.05)	0	
2022	Total deposition residue	FLEURUS	Nb-95	Bq/m <sup>2</sup>	13	13	< 1.466 (0.6277 - 2.68)	0	
2022	Total deposition residue	FLEURUS	Ru-103	Bq/m <sup>2</sup>	13	13	< 1.284 (0.5375 - 2.402)	0	
2022	Total deposition residue	FLEURUS	Ru-106	Bq/m <sup>2</sup>	13	13	< 8.374 (3.727 - 15.68)	0	
2022	Total deposition residue	FLEURUS	T-Alfa	Bq/m <sup>2</sup>	13	0		13	0.6785 (0.241 - 1.201)
2022	Total deposition residue	FLEURUS	T-Beta	Bq/m <sup>2</sup>	13	0		13	2.753 (1.222 - 4.977)
2022	Total deposition residue	FLEURUS	Zr-95	Bq/m <sup>2</sup>	13	13	< 2.002 (0.8241 - 3.692)	0	
2022	Topsoil and grass	FLEURUS	Ag-110m	Bq/kg	1	1	< 1.379	0	
2022	Topsoil and grass	FLEURUS	Be-7	Bq/kg	1	1	< 13.6	0	
2022	Topsoil and grass	FLEURUS	Co-57	Bq/kg	1	1	< 0.7784	0	
2022	Topsoil and grass	FLEURUS	Co-58	Bq/kg	1	1	< 1.583	0	
2022	Topsoil and grass	FLEURUS	Co-60	Bq/kg	1	1	< 1.292	0	
2022	Topsoil and grass	FLEURUS	Cs-134	Bq/kg	1	1	< 1.104	0	
2022	Topsoil and grass	FLEURUS	Cs-137	Bq/kg	1	0		1	1.401
2022	Topsoil and grass	FLEURUS	I-131	Bq/kg	1	1	< 30.64	0	
2022	Topsoil and grass	FLEURUS	K-40	Bq/kg	1	0		1	496.9
2022	Topsoil and grass	FLEURUS	Mn-54	Bq/kg	1	1	< 1.254	0	
2022	Topsoil and grass	FLEURUS	Ra-226	Bq/kg	1	0		1	47.79
2022	Topsoil and grass	FLEURUS	Ra-228	Bq/kg	1	0		1	43.08
2022	Topsoil and grass	FLEURUS	Ru-106	Bq/kg	1	1	< 10.1	0	
2022	Topsoil and grass	FLEURUS	Sb-125	Bq/kg	1	1	< 3.123	0	
2022	Topsoil and grass	FLEURUS	Th-228	Bq/kg	1	0		1	45.94

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2022	Topsoil and grass	FLEURUS	Zn-65	Bq/kg	1	1	< 3.114	0	
2022	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Ag-110m	Bq/kg	4	4	< 4.113 (3.839 - 4.237)	0	
2022	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Be-7	Bq/kg	4	0		4	141.3 (58.38 - 227.2)
2022	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Co-57	Bq/kg	4	4	< 1.828 (1.547 - 1.959)	0	
2022	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Co-58	Bq/kg	4	4	< 4.331 (3.98 - 4.661)	0	
2022	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Co-60	Bq/kg	4	4	< 3.835 (3.779 - 3.944)	0	
2022	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Cs-134	Bq/kg	4	4	< 3.535 (3.323 - 3.67)	0	
2022	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Cs-137	Bq/kg	4	4	< 3.055 (2.645 - 3.492)	0	
2022	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	H-3	Bq/kg	4	4	< 17.47 (8.472 - 23.18)	0	
2022	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	I-131	Bq/kg	4	4	< 87.67 (51.34 - 125.5)	0	
2022	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	K-40	Bq/kg	4	0		4	272.2 (225.8 - 358.3)
2022	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Mn-54	Bq/kg	4	4	< 3.442 (3.347 - 3.649)	0	
2022	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Nb-95	Bq/kg	4	4	< 6.981 (6.297 - 7.72)	0	
2022	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Ra-226	Bq/kg	4	0		4	33.18 (23.82 - 38.84)
2022	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Ra-228	Bq/kg	4	1	< 14.65	3	17.1 (15.82 - 19.46)
2022	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Th-228	Bq/kg	4	0		4	11.94 (8.54 - 15.88)
2022	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Zn-65	Bq/kg	4	4	< 8.558 (8.146 - 8.836)	0	
2022	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Ag-110m	Bq/kg	4	4	< 5.444 (2.335 - 7.136)	0	
2022	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Be-7	Bq/kg	4	1	< 68.72	3	251.9 (140.5 - 336.5)
2022	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Co-57	Bq/kg	4	4	< 2.233 (1.004 - 3.14)	0	
2022	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Co-58	Bq/kg	4	4	< 5.839 (2.531 - 7.427)	0	
2022	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Co-60	Bq/kg	4	4	< 5.409 (2.448 - 6.95)	0	
2022	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Cs-134	Bq/kg	4	4	< 4.539 (1.902 - 6.137)	0	
2022	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Cs-137	Bq/kg	4	4	< 4.514 (2.05 - 6.035)	0	
2022	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	H-3	Bq/kg	4	4	< 21.48 (19.45 - 23.33)	0	
2022	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	I-131	Bq/kg	4	4	< 94.24 (25.85 - 133)	0	
2022	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	K-40	Bq/kg	4	0		4	358 (253.4 - 640.8)
2022	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Mn-54	Bq/kg	4	4	< 4.833 (2.142 - 6.659)	0	
2022	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Nb-95	Bq/kg	4	4	< 8.912 (3.676 - 11.37)	0	
2022	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Ra-226	Bq/kg	4	4	< 8.18 (4.391 - 12.02)	0	
2022	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Ra-228	Bq/kg	4	4	< 18.26 (8.699 - 24.65)	0	
2022	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Th-228	Bq/kg	4	4	< 6.571 (2.836 - 9.723)	0	
2022	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Zn-65	Bq/kg	4	4	< 11.12 (4.852 - 14.56)	0	

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

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

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2022	Total deposition filtered	HEER-AGIMONT	Be-7	Bq/m <sup>2</sup>	13	4	< 15.71 (10.17 - 18.31)	9	30.8 (16.88 - 69.64)
2022	Total deposition filtered	HEER-AGIMONT	Ce-141	Bq/m <sup>2</sup>	13	13	< 3.814 (2.256 - 5.153)	0	
2022	Total deposition filtered	HEER-AGIMONT	Ce-144	Bq/m <sup>2</sup>	13	13	< 9.725 (5.205 - 11.27)	0	
2022	Total deposition filtered	HEER-AGIMONT	Cs-134	Bq/m <sup>2</sup>	13	13	< 1.42 (0.7748 - 1.585)	0	
2022	Total deposition filtered	HEER-AGIMONT	Cs-137	Bq/m <sup>2</sup>	13	13	< 1.458 (0.7782 - 1.737)	0	
2022	Total deposition filtered	HEER-AGIMONT	H-3	Bq/m <sup>2</sup>	13	13	< 234.6 (77.72 - 383.9)	0	
2022	Total deposition filtered	HEER-AGIMONT	I-131	Bq/m <sup>2</sup>	13	13	< 14.16 (6.774 - 39.29)	0	
2022	Total deposition filtered	HEER-AGIMONT	K-40	Bq/m <sup>2</sup>	23	10	< 24.99 (13.59 - 29.38)	13	1.035 (0.08276 - 2.927)
2022	Total deposition filtered	HEER-AGIMONT	Nb-95	Bq/m <sup>2</sup>	13	13	< 2.361 (1.503 - 3.274)	0	
2022	Total deposition filtered	HEER-AGIMONT	R-Beta	Bq/l	13	1	< 0.002801	12	0.02568 (0.007487 - 0.09412)
2022	Total deposition filtered	HEER-AGIMONT	Ru-103	Bq/m <sup>2</sup>	13	13	< 2.063 (1.297 - 2.725)	0	
2022	Total deposition filtered	HEER-AGIMONT	Ru-106	Bq/m <sup>2</sup>	13	13	< 12.95 (7.151 - 15.47)	0	
2022	Total deposition filtered	HEER-AGIMONT	T-Alfa	Bq/m <sup>2</sup>	13	0		13	0.2803 (0.09853 - 0.8792)
2022	Total deposition filtered	HEER-AGIMONT	T-Beta	Bq/m <sup>2</sup>	13	0		13	2.399 (0.4644 - 3.954)
2022	Total deposition filtered	HEER-AGIMONT	Zr-95	Bq/m <sup>2</sup>	13	13	< 3.174 (1.739 - 4.109)	0	
2022	Total deposition residue	HEER-AGIMONT	Be-7	Bq/m <sup>2</sup>	13	0		13	21.68 (8.03 - 36.44)
2022	Total deposition residue	HEER-AGIMONT	Ce-141	Bq/m <sup>2</sup>	13	13	< 2.113 (1.231 - 3.993)	0	
2022	Total deposition residue	HEER-AGIMONT	Ce-144	Bq/m <sup>2</sup>	13	13	< 4.838 (3.198 - 8.64)	0	
2022	Total deposition residue	HEER-AGIMONT	Cs-134	Bq/m <sup>2</sup>	13	13	< 0.9445 (0.617 - 1.835)	0	
2022	Total deposition residue	HEER-AGIMONT	Cs-137	Bq/m <sup>2</sup>	13	13	< 0.9541 (0.6396 - 1.827)	0	
2022	Total deposition residue	HEER-AGIMONT	I-131	Bq/m <sup>2</sup>	13	13	< 10.79 (3.036 - 41.35)	0	
2022	Total deposition residue	HEER-AGIMONT	K-40	Bq/m <sup>2</sup>	13	13	< 13.08 (7.952 - 23.68)	0	
2022	Total deposition residue	HEER-AGIMONT	Nb-95	Bq/m <sup>2</sup>	13	13	< 1.535 (0.9265 - 2.803)	0	
2022	Total deposition residue	HEER-AGIMONT	Ru-103	Bq/m <sup>2</sup>	13	13	< 1.367 (0.8169 - 2.507)	0	
2022	Total deposition residue	HEER-AGIMONT	Ru-106	Bq/m <sup>2</sup>	13	13	< 8.442 (5.56 - 16.03)	0	
2022	Total deposition residue	HEER-AGIMONT	T-Alfa	Bq/m <sup>2</sup>	13	0		13	0.7877 (0.2147 - 1.294)
2022	Total deposition residue	HEER-AGIMONT	T-Beta	Bq/m <sup>2</sup>	13	0		13	3.034 (1.208 - 5.873)
2022	Total deposition residue	HEER-AGIMONT	Zr-95	Bq/m <sup>2</sup>	13	13	< 2.038 (1.263 - 3.607)	0	
2022	Topsoil and grass	CHOOZ	Ag-110m	Bq/kg	12	12	< 1.615 (1.463 - 1.753)	0	
2022	Topsoil and grass	CHOOZ	Am-241	Bq/kg	4	3	< 2.046 (1.927 - 2.178)	1	2.537
2022	Topsoil and grass	CHOOZ	Be-7	Bq/kg	12	12	< 18.95 (14.7 - 23.33)	0	
2022	Topsoil and grass	CHOOZ	Co-57	Bq/kg	12	12	< 0.8336 (0.7806 - 0.8714)	0	
2022	Topsoil and grass	CHOOZ	Co-58	Bq/kg	12	12	< 1.988 (1.597 - 2.219)	0	
2022	Topsoil and grass	CHOOZ	Co-60	Bq/kg	12	12	< 1.317 (1.147 - 1.552)	0	
2022	Topsoil and grass	CHOOZ	Cs-134	Bq/kg	12	12	< 1.221 (1.121 - 1.299)	0	
2022	Topsoil and grass	CHOOZ	Cs-137	Bq/kg	12	0		12	4.83 (2.624 - 8.936)
2022	Topsoil and grass	CHOOZ	I-131	Bq/kg	12	12	< 319.7 (44.01 - 841.3)	0	
2022	Topsoil and grass	CHOOZ	K-40	Bq/kg	12	0		12	573.4 (440.3 - 827.1)
2022	Topsoil and grass	CHOOZ	Mn-54	Bq/kg	12	12	< 1.379 (1.167 - 1.606)	0	
2022	Topsoil and grass	CHOOZ	Pu(239+240)	Bq/kg	4	4	< 1.259 (0.8909 - 1.521)	0	
2022	Topsoil and grass	CHOOZ	Pu-238	Bq/kg	4	4	< 2.309 (1.506 - 4.205)	0	
2022	Topsoil and grass	CHOOZ	Ra-226	Bq/kg	12	0		12	42.1 (30.38 - 59.02)
2022	Topsoil and grass	CHOOZ	Ra-228	Bq/kg	12	0		12	40.7 (31.84 - 46.1)
2022	Topsoil and grass	CHOOZ	Ru-106	Bq/kg	12	12	< 11.17 (9.971 - 12.72)	0	
2022	Topsoil and grass	CHOOZ	Sb-125	Bq/kg	12	12	< 3.322 (3.124 - 3.501)	0	
2022	Topsoil and grass	CHOOZ	Sr-90	Bq/kg	12	11	< 3.759 (2.113 - 5.089)	1	5.525
2022	Topsoil and grass	CHOOZ	Th-228	Bq/kg	16	1	< 52.46	15	51.93 (37.2 - 104.7)
2022	Topsoil and grass	CHOOZ	Th-230	Bq/kg	4	0		4	41.05 (35.33 - 46)
2022	Topsoil and grass	CHOOZ	Th-232	Bq/kg	4	0		4	50.24 (47.16 - 53.89)
2022	Topsoil and grass	CHOOZ	U-234	Bq/kg	4	0		4	21.64 (17.68 - 25.97)
2022	Topsoil and grass	CHOOZ	U-235	Bq/kg	4	1	< 0.6055	3	0.9285 (0.8841 - 0.9567)
2022	Topsoil and grass	CHOOZ	U-238	Bq/kg	4	0		4	23.99 (19.64 - 30.87)
2022	Topsoil and grass	CHOOZ	Zn-65	Bq/kg	12	12	< 3.471 (3.27 - 3.688)	0	
2022	Topsoil and grass	HEER-AGIMONT	Ag-110m	Bq/kg	1	1	< 1.387	0	
2022	Topsoil and grass	HEER-AGIMONT	Be-7	Bq/kg	1	1	< 12.03	0	

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2022	Topsoil and grass	HEER-AGIMONT	Co-57	Bq/kg	1	1	< 0.6933	0	
2022	Topsoil and grass	HEER-AGIMONT	Co-58	Bq/kg	1	1	< 1.323	0	
2022	Topsoil and grass	HEER-AGIMONT	Co-60	Bq/kg	1	1	< 1.185	0	
2022	Topsoil and grass	HEER-AGIMONT	Cs-134	Bq/kg	1	1	< 1.006	0	
2022	Topsoil and grass	HEER-AGIMONT	Cs-137	Bq/kg	1	0		1	7.276
2022	Topsoil and grass	HEER-AGIMONT	I-131	Bq/kg	1	1	< 16.66	0	
2022	Topsoil and grass	HEER-AGIMONT	K-40	Bq/kg	1	0		1	376.6
2022	Topsoil and grass	HEER-AGIMONT	Mn-54	Bq/kg	1	1	< 1.172	0	
2022	Topsoil and grass	HEER-AGIMONT	Ra-226	Bq/kg	1	0		1	37.16
2022	Topsoil and grass	HEER-AGIMONT	Ra-228	Bq/kg	1	0		1	29.65
2022	Topsoil and grass	HEER-AGIMONT	Ru-106	Bq/kg	1	1	< 8.884	0	
2022	Topsoil and grass	HEER-AGIMONT	Sb-125	Bq/kg	1	1	< 2.875	0	
2022	Topsoil and grass	HEER-AGIMONT	Th-228	Bq/kg	1	0		1	34.44
2022	Topsoil and grass	HEER-AGIMONT	Zn-65	Bq/kg	1	1	< 2.962	0	
2022	Agricultural products around Chooz	CHOOZ	Ag-110m	Bq/kg	12	12	< 4.072 (2.827 - 6.946)	0	
2022	Agricultural products around Chooz	CHOOZ	Be-7	Bq/kg	12	10	< 53.15 (33.31 - 99.74)	2	119.1 (114.7 - 123.4)
2022	Agricultural products around Chooz	CHOOZ	C-14	Bq/g of stable carbon	12	0		12	0.256 (0.2268 - 0.2792)
2022	Agricultural products around Chooz	CHOOZ	Co-57	Bq/kg	12	12	< 1.847 (1.358 - 3.163)	0	
2022	Agricultural products around Chooz	CHOOZ	Co-58	Bq/kg	12	12	< 5.224 (3.466 - 9.154)	0	
2022	Agricultural products around Chooz	CHOOZ	Co-60	Bq/kg	12	12	< 3.718 (2.333 - 5.975)	0	
2022	Agricultural products around Chooz	CHOOZ	Cs-134	Bq/kg	12	12	< 3.176 (2.379 - 5.158)	0	
2022	Agricultural products around Chooz	CHOOZ	Cs-137	Bq/kg	12	7	< 2.655 (2.309 - 3.251)	5	3.58 (2.684 - 5.14)
2022	Agricultural products around Chooz	CHOOZ	H-3	Bq/kg	12	12	< 23.05 (21.34 - 25.16)	0	
2022	Agricultural products around Chooz	CHOOZ	I-131	Bq/kg	12	12	< 1029 (120.3 - 3983)	0	
2022	Agricultural products around Chooz	CHOOZ	K-40	Bq/kg	12	0		12	529 (303.7 - 1166)
2022	Agricultural products around Chooz	CHOOZ	Mn-54	Bq/kg	12	12	< 3.413 (2.331 - 5.544)	0	
2022	Agricultural products around Chooz	CHOOZ	Ra-226	Bq/kg	12	9	< 6.343 (4.259 - 9.809)	3	8.423 (6.641 - 11.11)
2022	Agricultural products around Chooz	CHOOZ	Ra-228	Bq/kg	12	12	< 12.82 (8.59 - 19.4)	0	
2022	Agricultural products around Chooz	CHOOZ	Ru-106	Bq/kg	12	12	< 29.21 (20.93 - 46.75)	0	
2022	Agricultural products around Chooz	CHOOZ	Sb-125	Bq/kg	12	12	< 8.5 (6.175 - 13.79)	0	
2022	Agricultural products around Chooz	CHOOZ	Sr-90	Bq/kg	12	6	< 0.4345 (0.1237 - 0.7883)	6	0.6075 (0.4343 - 0.7871)
2022	Agricultural products around Chooz	CHOOZ	Th-228	Bq/kg	12	10	< 5.421 (3.953 - 9.01)	2	5.906 (5.426 - 6.386)
2022	Agricultural products around Chooz	CHOOZ	Zn-65	Bq/kg	12	12	< 8.372 (5.637 - 14.26)	0	
2022	River water	HEER-AGIMONT	Be-7	Bq/l	26	26	< 1.412 (1.232 - 1.628)	0	
2022	River water	HEER-AGIMONT	Ce-141	Bq/l	26	26	< 0.3185 (0.263 - 0.4286)	0	
2022	River water	HEER-AGIMONT	Ce-144	Bq/l	26	26	< 1.033 (0.935 - 1.146)	0	
2022	River water	HEER-AGIMONT	Cs-134	Bq/l	26	26	< 0.149 (0.1314 - 0.1684)	0	
2022	River water	HEER-AGIMONT	Cs-137	Bq/l	26	26	< 0.1548 (0.1313 - 0.1788)	0	
2022	River water	HEER-AGIMONT	H-3	Bq/l	26	20	< 3.646 (2.929 - 4.487)	6	5.533 (3.337 - 8.271)
2022	River water	HEER-AGIMONT	I-131	Bq/l	26	26	< 0.5601 (0.2799 - 1.353)	0	
2022	River water	HEER-AGIMONT	K-40	Bq/l	48	22	< 2.569 (2.246 - 3.13)	26	0.07954 (0.04654 - 0.1157)
2022	River water	HEER-AGIMONT	Nb-95	Bq/l	26	26	< 0.1963 (0.1577 - 0.2551)	0	
2022	River water	HEER-AGIMONT	R-Beta	Bq/l	26	24	< 0.04149 (0.03692 - 0.04609)	2	0.04528 (0.04028 - 0.05028)
2022	River water	HEER-AGIMONT	Ru-103	Bq/l	26	26	< 0.1784 (0.1485 - 0.2176)	0	
2022	River water	HEER-AGIMONT	Ru-106	Bq/l	26	26	< 1.364 (1.201 - 1.56)	0	
2022	River water	HEER-AGIMONT	T-Alfa	Bq/l	26	26	< 0.0255 (0.01445 - 0.03713)	0	
2022	River water	HEER-AGIMONT	T-Beta	Bq/l	26	0		26	0.09601 (0.05318 - 0.1451)
2022	River water	HEER-AGIMONT	Zr-95	Bq/l	26	26	< 0.3008 (0.2466 - 0.3623)	0	
2022	River sediments	HEER-AGIMONT	Ag-110m	Bq/kg	12	11	< 4.134 (2 - 7.941)	1	8.245
2022	River sediments	HEER-AGIMONT	Be-7	Bq/kg	12	0		12	238.5 (111.7 - 419.1)
2022	River sediments	HEER-AGIMONT	Co-57	Bq/kg	12	12	< 1.7 (0.9234 - 2.798)	0	
2022	River sediments	HEER-AGIMONT	Co-58	Bq/kg	12	11	< 4.519 (2.289 - 8.835)	1	18.86
2022	River sediments	HEER-AGIMONT	Co-60	Bq/kg	12	5	< 3.964 (1.6 - 7.472)	7	14.24 (3.759 - 56.23)
2022	River sediments	HEER-AGIMONT	Cs-134	Bq/kg	12	12	< 3.21 (1.407 - 5.941)	0	
2022	River sediments	HEER-AGIMONT	Cs-137	Bq/kg	12	0		12	6.674 (4.546 - 9.821)
2022	River sediments	HEER-AGIMONT	I-131	Bq/kg	12	12	< 188.5 (104.2 - 411)	0	
2022	River sediments	HEER-AGIMONT	K-40	Bq/kg	12	0		12	345 (261 - 441.5)

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2022	River sediments	HEER-AGIMONT	Mn-54	Bq/kg	12	12	< 3.174 (1.06 - 6.49)	0	
2022	River sediments	HEER-AGIMONT	Nb-95	Bq/kg	12	12	< 8.648 (5.208 - 16.84)	0	
2022	River sediments	HEER-AGIMONT	Ra-226	Bq/kg	12	0		12	47.67 (30.21 - 60.85)
2022	River sediments	HEER-AGIMONT	Ra-228	Bq/kg	12	0		12	40.83 (26.97 - 51.89)
2022	River sediments	HEER-AGIMONT	Th-228	Bq/kg	12	0		12	39.44 (23.39 - 50.91)
2022	River sediments	HEER-AGIMONT	U-238	Bq/kg	12	6	< 36.5 (28.31 - 62.02)	6	41.86 (32.11 - 49.08)
2022	River sediments	HEER-AGIMONT	Zn-65	Bq/kg	12	12	< 8.305 (4.221 - 15.76)	0	
2022	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Ag-110m	Bq/kg	4	4	< 8.741 (3.889 - 10.93)	0	
2022	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Be-7	Bq/kg	4	0		4	155.8 (88.3 - 247.6)
2022	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Co-57	Bq/kg	4	4	< 3.788 (1.588 - 4.852)	0	
2022	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Co-58	Bq/kg	4	4	< 9.59 (4.449 - 12.39)	0	
2022	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Co-60	Bq/kg	4	4	< 8.21 (4.024 - 9.884)	0	
2022	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Cs-134	Bq/kg	4	4	< 7.323 (3.358 - 9.095)	0	
2022	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Cs-137	Bq/kg	4	4	< 6.593 (3.124 - 8.985)	0	
2022	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	H-3	Bq/kg	4	4	< 18.85 (13.73 - 22.45)	0	
2022	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	I-131	Bq/kg	4	4	< 201.6 (55.4 - 335.2)	0	
2022	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	K-40	Bq/kg	4	0		4	393.5 (305.9 - 645.4)
2022	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Mn-54	Bq/kg	4	4	< 7.263 (3.641 - 8.914)	0	
2022	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Nb-95	Bq/kg	4	4	< 15.19 (6.874 - 20.92)	0	
2022	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Ra-226	Bq/kg	4	1	< 17.93	3	37.38 (19.66 - 68.15)
2022	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Ra-228	Bq/kg	4	3	< 30.97 (28.28 - 34.64)	1	23.39
2022	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Th-228	Bq/kg	4	2	< 15.15 (14.87 - 15.43)	2	16.77 (15.18 - 18.36)
2022	Freshwater aquatic mosses	HEER-AGIMONT-RIVIERE-GODINNE	Zn-65	Bq/kg	4	4	< 18.25 (8.988 - 22.8)	0	
2022	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Ag-110m	Bq/kg	4	4	< 6.087 (0.4109 - 11.61)	0	
2022	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Be-7	Bq/kg	4	0		4	116.3 (4.788 - 225.9)
2022	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Co-57	Bq/kg	4	4	< 2.543 (0.1645 - 5.197)	0	
2022	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Co-58	Bq/kg	4	4	< 6.703 (0.4634 - 12.59)	0	
2022	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Co-60	Bq/kg	4	4	< 5.953 (0.4359 - 11.1)	0	
2022	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Cs-134	Bq/kg	4	4	< 5.066 (0.3383 - 10.22)	0	
2022	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Cs-137	Bq/kg	4	4	< 5.072 (0.3572 - 9.522)	0	
2022	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	H-3	Bq/kg	4	4	< 21.62 (20.03 - 22.93)	0	
2022	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	I-131	Bq/kg	4	4	< 148.5 (4.73 - 248.3)	0	
2022	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	K-40	Bq/kg	4	1	< 6.336	3	682 (432.3 - 936.2)
2022	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Mn-54	Bq/kg	4	4	< 5.317 (0.3781 - 9.542)	0	
2022	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Nb-95	Bq/kg	4	4	< 10.57 (0.6479 - 19.15)	0	
2022	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Ra-226	Bq/kg	4	3	< 9.593 (0.695 - 20.56)	1	10.16
2022	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Ra-228	Bq/kg	4	4	< 21.04 (1.555 - 38.24)	0	
2022	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Th-228	Bq/kg	4	4	< 7.62 (0.4762 - 16.4)	0	
2022	Freshwater aquatic plants	HEER-AGIMONT-RIVIERE-GODINNE	Zn-65	Bq/kg	4	4	< 12.83 (0.8054 - 23.61)	0	
2022	Freshwater mussels	HEER-AGIMONT-RIVIERE-GODINNE	Ag-110m	Bq/kg	1	1	< 0.814	0	
2022	Freshwater mussels	HEER-AGIMONT-RIVIERE-GODINNE	Be-7	Bq/kg	1	0		1	13.73
2022	Freshwater mussels	HEER-AGIMONT-RIVIERE-GODINNE	Co-57	Bq/kg	1	1	< 0.4315	0	
2022	Freshwater mussels	HEER-AGIMONT-RIVIERE-GODINNE	Co-58	Bq/kg	1	1	< 0.8718	0	
2022	Freshwater mussels	HEER-AGIMONT-RIVIERE-GODINNE	Co-60	Bq/kg	1	1	< 0.7103	0	
2022	Freshwater mussels	HEER-AGIMONT-RIVIERE-GODINNE	Cs-134	Bq/kg	1	1	< 0.6718	0	
2022	Freshwater mussels	HEER-AGIMONT-RIVIERE-GODINNE	Cs-137	Bq/kg	1	1	< 0.6235	0	
2022	Freshwater mussels	HEER-AGIMONT-RIVIERE-GODINNE	H-3	Bq/kg	1	1	< 9.161	0	
2022	Freshwater mussels	HEER-AGIMONT-RIVIERE-GODINNE	I-131	Bq/kg	1	1	< 26.26	0	
2022	Freshwater mussels	HEER-AGIMONT-RIVIERE-GODINNE	K-40	Bq/kg	1	0		1	13.52
2022	Freshwater mussels	HEER-AGIMONT-RIVIERE-GODINNE	Mn-54	Bq/kg	1	1	< 0.7268	0	
2022	Freshwater mussels	HEER-AGIMONT-RIVIERE-GODINNE	Nb-95	Bq/kg	1	1	< 1.484	0	
2022	Freshwater mussels	HEER-AGIMONT-RIVIERE-GODINNE	Ra-226	Bq/kg	1	0		1	6.251
2022	Freshwater mussels	HEER-AGIMONT-RIVIERE-GODINNE	Ra-228	Bq/kg	1	0		1	4.502
2022	Freshwater mussels	HEER-AGIMONT-RIVIERE-GODINNE	Th-228	Bq/kg	1	0		1	2.926
2022	Freshwater mussels	HEER-AGIMONT-RIVIERE-GODINNE	Zn-65	Bq/kg	1	1	< 1.628	0	



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

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

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2022	Outdoor air	MOL	Be-7	Bq/m <sup>3</sup>	13	0		13	0.002699 (0.000163 - 0.0039)
2022	Outdoor air	MOL	Ce-141	Bq/m <sup>3</sup>	13	13	< 2.308e-05 (3e-06 - 4e-05)	0	
2022	Outdoor air	MOL	Ce-144	Bq/m <sup>3</sup>	13	13	< 3.331e-05 (5e-06 - 8e-05)	0	
2022	Outdoor air	MOL	Cs-134	Bq/m <sup>3</sup>	13	13	< 5.385e-06 (0 - 1.3e-05)	0	
2022	Outdoor air	MOL	Cs-137	Bq/m <sup>3</sup>	13	13	< 6e-06 (0 - 1.5e-05)	0	
2022	Outdoor air	MOL	I-131	Bq/m <sup>3</sup>	13	13	< 0.00141 (4e-05 - 0.008)	0	
2022	Outdoor air	MOL	K-40	Bq/m <sup>3</sup>	13	13	< 9.2e-05 (6e-06 - 0.00027)	0	
2022	Outdoor air	MOL	Nb-95	Bq/m <sup>3</sup>	13	13	< 1.6e-05 (1e-06 - 3e-05)	0	
2022	Outdoor air	MOL	Rh-106	Bq/m <sup>3</sup>	2	2	< 2.2e-05 (4e-06 - 4e-05)	0	
2022	Outdoor air	MOL	Ru-103	Bq/m <sup>3</sup>	13	13	< 1.362e-05 (1e-06 - 2.9e-05)	0	
2022	Outdoor air	MOL	Ru-106	Bq/m <sup>3</sup>	11	11	< 5.873e-05 (2.6e-05 - 0.00013)	0	
2022	Outdoor air	MOL	Se-75	Bq/m <sup>3</sup>	13	13	< 7.692e-06 (1e-06 - 1.8e-05)	0	
2022	Outdoor air	MOL	T-Alfa	Bq/m <sup>3</sup>	357	67	< 7.642e-06 (5e-06 - 1e-05)	290	1.612e-05 (4.5e-06 - 8.9e-05)
2022	Outdoor air	MOL	T-Beta	Bq/m <sup>3</sup>	357	4	< 7.875e-05 (2.2e-05 - 0.00022)	353	0.00028 (4e-05 - 0.0016)
2022	Outdoor air	MOL	Zr-95	Bq/m <sup>3</sup>	13	13	< 1.708e-05 (1e-06 - 4e-05)	0	
2022	Total deposition filtered	MOL	Be-7	Bq/m <sup>2</sup>	13	1	< 8	12	29.99 (9.3 - 67)
2022	Total deposition filtered	MOL	Ce-141	Bq/m <sup>2</sup>	13	13	< 1.915 (1.6 - 2.3)	0	
2022	Total deposition filtered	MOL	Ce-144	Bq/m <sup>2</sup>	13	13	< 5.046 (2.6 - 7)	0	
2022	Total deposition filtered	MOL	Cs-134	Bq/m <sup>2</sup>	13	13	< 0.6846 (0.5 - 0.9)	0	
2022	Total deposition filtered	MOL	Cs-137	Bq/m <sup>2</sup>	13	13	< 0.6308 (0.09 - 1.2)	0	
2022	Total deposition filtered	MOL	H-3	Bq/m <sup>2</sup>	13	11	< 827.3 (400 - 1500)	2	675 (620 - 730)
2022	Total deposition filtered	MOL	I-131	Bq/m <sup>2</sup>	13	13	< 3.415 (0.04 - 6)	0	
2022	Total deposition filtered	MOL	K-40	Bq/m <sup>2</sup>	24	11	< 9.636 (7 - 14)	13	0.619 (0.215 - 1.29)
2022	Total deposition filtered	MOL	Nb-95	Bq/m <sup>2</sup>	13	13	< 0.9923 (0.8 - 1.3)	0	
2022	Total deposition filtered	MOL	R-Beta	Bq/m <sup>2</sup>	13	0		13	3.123 (1.06 - 6.65)
2022	Total deposition filtered	MOL	Ru-103	Bq/m <sup>2</sup>	13	13	< 0.9923 (0.8 - 1.3)	0	
2022	Total deposition filtered	MOL	Ru-106	Bq/m <sup>2</sup>	13	13	< 6.231 (5 - 9)	0	
2022	Total deposition filtered	MOL	Se-75	Bq/m <sup>2</sup>	13	13	< 1.054 (0.9 - 1.4)	0	
2022	Total deposition filtered	MOL	T-Alfa	Bq/m <sup>2</sup>	13	0		13	0.92 (0.35 - 1.62)
2022	Total deposition filtered	MOL	T-Beta	Bq/m <sup>2</sup>	13	0		13	3.742 (1.56 - 7.5)
2022	Total deposition filtered	MOL	Zr-95	Bq/m <sup>2</sup>	13	13	< 1.462 (1.1 - 1.9)	0	
2022	Total deposition residue	MOL	Be-7	Bq/m <sup>2</sup>	13	0		13	50.62 (25 - 115)
2022	Total deposition residue	MOL	Ce-141	Bq/m <sup>2</sup>	13	13	< 0.5908 (0.29 - 0.9)	0	
2022	Total deposition residue	MOL	Ce-144	Bq/m <sup>2</sup>	13	13	< 1.654 (0.7 - 2.4)	0	
2022	Total deposition residue	MOL	Cs-134	Bq/m <sup>2</sup>	13	13	< 0.2869 (0.17 - 0.4)	0	
2022	Total deposition residue	MOL	Cs-137	Bq/m <sup>2</sup>	13	13	< 0.3208 (0.19 - 0.5)	0	
2022	Total deposition residue	MOL	I-131	Bq/m <sup>2</sup>	13	13	< 1.731 (0.9 - 3)	0	
2022	Total deposition residue	MOL	K-40	Bq/m <sup>2</sup>	13	13	< 5.431 (2.7 - 9)	0	
2022	Total deposition residue	MOL	Nb-95	Bq/m <sup>2</sup>	13	13	< 0.4354 (0.27 - 0.7)	0	
2022	Total deposition residue	MOL	Rh-106	Bq/m <sup>2</sup>	1	1	< 2.9	0	
2022	Total deposition residue	MOL	Ru-103	Bq/m <sup>2</sup>	13	13	< 0.4092 (0.25 - 0.6)	0	
2022	Total deposition residue	MOL	Ru-106	Bq/m <sup>2</sup>	12	12	< 2.717 (1.6 - 4)	0	
2022	Total deposition residue	MOL	Se-75	Bq/m <sup>2</sup>	13	13	< 0.3523 (0.15 - 0.5)	0	
2022	Total deposition residue	MOL	T-Alfa	Bq/m <sup>2</sup>	13	0		13	0.9977 (0.28 - 1.83)
2022	Total deposition residue	MOL	T-Beta	Bq/m <sup>2</sup>	13	0		13	6.775 (3.04 - 13)
2022	Total deposition residue	MOL	Zr-95	Bq/m <sup>2</sup>	13	13	< 0.6538 (0.4 - 1)	0	
2022	Topsoil and grass	MOL	Ag-110m	Bq/kg	1	1	< 0.6	0	
2022	Topsoil and grass	MOL	Am-241	Bq/kg	1	1	< 0.8	0	
2022	Topsoil and grass	MOL	Be-7	Bq/kg	1	0		1	3
2022	Topsoil and grass	MOL	Co-57	Bq/kg	1	1	< 0.4	0	
2022	Topsoil and grass	MOL	Co-58	Bq/kg	1	1	< 0.6	0	
2022	Topsoil and grass	MOL	Co-60	Bq/kg	1	1	< 0.5	0	
2022	Topsoil and grass	MOL	Cs-134	Bq/kg	1	1	< 0.5	0	
2022	Topsoil and grass	MOL	Cs-137	Bq/kg	1	0		1	2.3
2022	Topsoil and grass	MOL	I-131	Bq/kg	1	1	< 5	0	

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2022	Topsoil and grass	MOL	K-40	Bq/kg	1	0		1	211
2022	Topsoil and grass	MOL	Mn-54	Bq/kg	1	1	< 0.5	0	
2022	Topsoil and grass	MOL	Pu(239+240)	Bq/kg	1	1	< 0.6	0	
2022	Topsoil and grass	MOL	Pu-238	Bq/kg	1	1	< 0.9	0	
2022	Topsoil and grass	MOL	Ra-226	Bq/kg	1	0		1	13.4
2022	Topsoil and grass	MOL	Ra-228	Bq/kg	1	0		1	10.4
2022	Topsoil and grass	MOL	Th-228	Bq/kg	1	0		1	12.4
2022	Topsoil and grass	MOL	U-234	Bq/kg	1	0		1	9.1
2022	Topsoil and grass	MOL	U-235	Bq/kg	1	1	< 0.9	0	
2022	Topsoil and grass	MOL	U-238	Bq/kg	1	0		1	7.4
2022	Topsoil and grass	MOL	Zn-65	Bq/kg	1	1	< 1.6	0	
2022	River water	MOL-GEEL	Am-241	Bq/l	13	1	< 0.00016	12	0.0006108 (0.00011 - 0.0015)
2022	River water	MOL-GEEL	Be-7	Bq/l	26	26	< 1.112 (0.5 - 1.8)	0	
2022	River water	MOL-GEEL	Ce-141	Bq/l	26	26	< 0.2369 (0.14 - 0.4)	0	
2022	River water	MOL-GEEL	Ce-144	Bq/l	26	26	< 0.8154 (0.26 - 1.2)	0	
2022	River water	MOL-GEEL	Cs-134	Bq/l	26	26	< 0.1154 (0.06 - 0.18)	0	
2022	River water	MOL-GEEL	Cs-137	Bq/l	26	25	< 0.1192 (0.009 - 0.22)	1	0.07
2022	River water	MOL-GEEL	H-3	Bq/l	26	4	< 11 (8 - 14)	22	74.66 (5.7 - 329)
2022	River water	MOL-GEEL	I-131	Bq/l	26	26	< 0.292 (0.0021 - 0.7)	0	
2022	River water	MOL-GEEL	K-40	Bq/l	48	22	< 2.068 (0.8 - 4)	26	0.3337 (0.273 - 0.407)
2022	River water	MOL-GEEL	Nb-95	Bq/l	26	26	< 0.1477 (0.07 - 0.24)	0	
2022	River water	MOL-GEEL	Pu(239+240)	Bq/l	13	11	< 0.00017 (9e-05 - 3e-04)	2	0.000145 (0.00012 - 0.00017)
2022	River water	MOL-GEEL	Pu-238	Bq/l	13	13	< 0.0001762 (0.00011 - 0.00026)	0	
2022	River water	MOL-GEEL	Ra-226	Bq/l	1	0		1	0.56
2022	River water	MOL-GEEL	R-Beta	Bq/l	26	20	< 0.055 (0.05 - 0.06)	6	0.2267 (0.06 - 0.97)
2022	River water	MOL-GEEL	Ru-103	Bq/l	26	26	< 0.1423 (0.07 - 0.23)	0	
2022	River water	MOL-GEEL	Ru-106	Bq/l	26	26	< 1.062 (0.5 - 1.8)	0	
2022	River water	MOL-GEEL	Se-75	Bq/l	26	26	< 0.1581 (0.09 - 0.24)	0	
2022	River water	MOL-GEEL	Sr-90	Bq/l	1	1	< 0.07	0	
2022	River water	MOL-GEEL	T-Alfa	Bq/l	26	19	< 0.014 (0.01 - 0.017)	7	0.133 (0.014 - 0.83)
2022	River water	MOL-GEEL	T-Beta	Bq/l	26	0		26	0.3942 (0.29 - 1.36)
2022	River water	MOL-GEEL	U-234	Bq/l	13	0		13	0.002754 (0.0021 - 0.0034)
2022	River water	MOL-GEEL	U-235	Bq/l	13	5	< 0.000148 (9e-05 - 0.00018)	8	0.002295 (0.00013 - 0.017)
2022	River water	MOL-GEEL	U-238	Bq/l	13	0		13	0.002285 (0.0018 - 0.0026)
2022	River water	MOL-GEEL	Zr-95	Bq/l	26	26	< 0.2346 (0.11 - 0.4)	0	
2022	River sediments	MOL-DESSEL-GEEL	Ag-110m	Bq/kg	13	13	< 1.6 (0.6 - 4)	0	
2022	River sediments	MOL-DESSEL-GEEL	Am-241	Bq/kg	17	1	< 0.5	16	15.26 (1.1 - 36)
2022	River sediments	MOL-DESSEL-GEEL	Be-7	Bq/kg	13	5	< 12.6 (8 - 24)	8	43.04 (14 - 104)
2022	River sediments	MOL-DESSEL-GEEL	Co-57	Bq/kg	13	13	< 0.9615 (0.3 - 1.7)	0	
2022	River sediments	MOL-DESSEL-GEEL	Co-58	Bq/kg	13	13	< 1.662 (0.7 - 4)	0	
2022	River sediments	MOL-DESSEL-GEEL	Co-60	Bq/kg	13	8	< 1.012 (0.5 - 2.4)	5	2.41 (1.05 - 5.1)
2022	River sediments	MOL-DESSEL-GEEL	Cs-134	Bq/kg	13	13	< 1.154 (0.6 - 2)	0	
2022	River sediments	MOL-DESSEL-GEEL	Cs-137	Bq/kg	13	0		13	56.35 (4.1 - 166)
2022	River sediments	MOL-DESSEL-GEEL	I-131	Bq/kg	13	13	< 75.38 (20 - 250)	0	
2022	River sediments	MOL-DESSEL-GEEL	K-40	Bq/kg	13	0		13	157.5 (111 - 206)
2022	River sediments	MOL-DESSEL-GEEL	Mn-54	Bq/kg	13	13	< 1.131 (0.5 - 2.6)	0	
2022	River sediments	MOL-DESSEL-GEEL	Pu(239+240)	Bq/kg	13	0		13	6.862 (0.8 - 16)
2022	River sediments	MOL-DESSEL-GEEL	Pu-238	Bq/kg	13	1	< 1	12	4.375 (1 - 17)
2022	River sediments	MOL-DESSEL-GEEL	Ra-226	Bq/kg	13	0		13	48.55 (18.2 - 107)
2022	River sediments	MOL-DESSEL-GEEL	Ra-228	Bq/kg	13	0		13	24.48 (9 - 54)
2022	River sediments	MOL-DESSEL-GEEL	Sr-90	Bq/kg	13	13	< 3.3 (1.2 - 5)	0	
2022	River sediments	MOL-DESSEL-GEEL	Tc-99	Bq/kg	13	8	< 52.5 (40 - 80)	5	66.4 (51 - 75)
2022	River sediments	MOL-DESSEL-GEEL	Th-228	Bq/kg	13	0		13	18.75 (10 - 34)
2022	River sediments	MOL-DESSEL-GEEL	U-234	Bq/kg	13	0		13	13.17 (7.4 - 20)
2022	River sediments	MOL-DESSEL-GEEL	U-235	Bq/kg	13	7	< 1.014 (0.7 - 1.9)	6	1.2 (0.8 - 1.9)
2022	River sediments	MOL-DESSEL-GEEL	U-238	Bq/kg	14	0		14	12.92 (7.2 - 26)
2022	River sediments	MOL-DESSEL-GEEL	Zn-65	Bq/kg	13	13	< 3.762 (1.5 - 7)	0	

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2022	Freshwater aquatic plants	MOL-DESSEL-GEEL	Ag-110m	Bq/kg	4	4	< 2.025 (1.3 - 2.8)	0	
2022	Freshwater aquatic plants	MOL-DESSEL-GEEL	Am-241	Bq/kg	4	1	< 0.04	3	0.08533 (0.046 - 0.15)
2022	Freshwater aquatic plants	MOL-DESSEL-GEEL	Be-7	Bq/kg	4	3	< 20 (10 - 25)	1	86
2022	Freshwater aquatic plants	MOL-DESSEL-GEEL	Co-57	Bq/kg	4	4	< 0.925 (0.7 - 1.1)	0	
2022	Freshwater aquatic plants	MOL-DESSEL-GEEL	Co-58	Bq/kg	4	4	< 2.225 (1.2 - 3)	0	
2022	Freshwater aquatic plants	MOL-DESSEL-GEEL	Co-60	Bq/kg	4	4	< 2.075 (1.1 - 3)	0	
2022	Freshwater aquatic plants	MOL-DESSEL-GEEL	Cs-134	Bq/kg	4	4	< 1.575 (0.9 - 2.1)	0	
2022	Freshwater aquatic plants	MOL-DESSEL-GEEL	Cs-137	Bq/kg	4	2	< 1.8 (1.8 - 1.8)	2	3.5 (3.5 - 3.5)
2022	Freshwater aquatic plants	MOL-DESSEL-GEEL	H-3	Bq/kg	4	2	< 13.5 (10 - 17)	2	15.5 (14 - 17)
2022	Freshwater aquatic plants	MOL-DESSEL-GEEL	I-131	Bq/kg	4	4	< 29.75 (12 - 50)	0	
2022	Freshwater aquatic plants	MOL-DESSEL-GEEL	K-40	Bq/kg	4	0		4	682.5 (450 - 900)
2022	Freshwater aquatic plants	MOL-DESSEL-GEEL	Mn-54	Bq/kg	4	4	< 1.775 (1 - 2.5)	0	
2022	Freshwater aquatic plants	MOL-DESSEL-GEEL	Pu(239+240)	Bq/kg	4	2	< 0.05 (0.03 - 0.07)	2	0.066 (0.042 - 0.09)
2022	Freshwater aquatic plants	MOL-DESSEL-GEEL	Pu-238	Bq/kg	4	2	< 0.055 (0.03 - 0.08)	2	0.045 (0.04 - 0.05)
2022	Freshwater aquatic plants	MOL-DESSEL-GEEL	Ra-226	Bq/kg	4	4	< 3.2 (1.9 - 4)	0	
2022	Freshwater aquatic plants	MOL-DESSEL-GEEL	Ra-228	Bq/kg	4	4	< 7 (4 - 9)	0	
2022	Freshwater aquatic plants	MOL-DESSEL-GEEL	Sr-90	Bq/kg	4	4	< 2.1 (0.7 - 3)	0	
2022	Freshwater aquatic plants	MOL-DESSEL-GEEL	Tc-99	Bq/kg	4	3	< 25 (23 - 27)	1	33
2022	Freshwater aquatic plants	MOL-DESSEL-GEEL	Th-228	Bq/kg	4	4	< 2.375 (1.6 - 2.7)	0	
2022	Freshwater aquatic plants	MOL-DESSEL-GEEL	U-234	Bq/kg	4	0		4	0.2175 (0.18 - 0.26)
2022	Freshwater aquatic plants	MOL-DESSEL-GEEL	U-235	Bq/kg	4	4	< 0.029 (0.016 - 0.04)	0	
2022	Freshwater aquatic plants	MOL-DESSEL-GEEL	U-238	Bq/kg	4	0		4	0.2075 (0.15 - 0.25)
2022	Freshwater aquatic plants	MOL-DESSEL-GEEL	Zn-65	Bq/kg	4	4	< 4.95 (2.8 - 7)	0	
2022	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	Am-241	Bq/l	110	52	< 3.027 (1.462 - 5.223)	58	0.6458 (0.01424 - 3.83)
2022	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	Ba-133	Bq/l	55	55	< 1.797 (1.705 - 1.871)	0	
2022	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	Be-7	Bq/l	55	55	< 14.37 (9.561 - 22.56)	0	
2022	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	Co-57	Bq/l	55	55	< 0.8829 (0.7005 - 1.162)	0	
2022	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	Co-58	Bq/l	55	55	< 1.513 (1.109 - 2.103)	0	
2022	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	Co-60	Bq/l	55	49	< 1.328 (1.152 - 1.597)	6	1.84 (1.357 - 2.211)
2022	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	Cs-134	Bq/l	55	55	< 1.351 (1.17 - 1.565)	0	
2022	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	Cs-137	Bq/l	55	7	< 1.46 (1.204 - 1.654)	48	2.42 (1.133 - 5.052)
2022	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	H-3	Bq/l	55	0		55	67200 (1374 - 387500)
2022	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	I-131	Bq/l	55	55	< 24.08 (2.159 - 140.5)	0	
2022	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	Mn-54	Bq/l	55	55	< 1.238 (1.066 - 1.462)	0	
2022	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	Pu(239+240)	Bq/l	55	9	< 0.02146 (0.003166 - 0.05967)	46	0.1283 (0.006276 - 0.8917)
2022	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	Pu-238	Bq/l	55	24	< 0.04846 (0.005426 - 0.1513)	31	0.1015 (0.004355 - 0.9096)
2022	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	Ru-103	Bq/l	55	55	< 1.969 (1.202 - 3.378)	0	
2022	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	Ru-106	Bq/l	55	55	< 11.63 (10.03 - 14.1)	0	
2022	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	Sr-90	Bq/l	55	1	< 0.9592	54	1.42 (0.4479 - 4.692)
2022	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	T-Alfa	Bq/l	55	4	< 0.07 (0.05264 - 0.07736)	51	0.6822 (0.05779 - 5.872)
2022	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	T-Beta	Bq/l	55	1	< 0.08801	54	4.79 (1.941 - 14.72)
2022	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	Tc-99	Bq/l	55	32	< 0.06368 (0.06368 - 0.06368)	23	0.09894 (0.0648 - 0.2176)
2022	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	U-234	Bq/l	55	16	< 0.007588 (0.003088 - 0.01292)	39	0.03962 (0.002634 - 0.2049)
2022	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	U-235	Bq/l	55	48	< 0.002095 (0.00079 - 0.0059)	7	0.019 (0.008147 - 0.02375)
2022	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	U-238	Bq/l	55	11	< 0.003286 (0.001592 - 0.00677)	44	0.02162 (0.001363 - 0.1338)

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

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

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2022	Outdoor air	DOEL	Be-7	Bq/m <sup>3</sup>	13	1	< 1.3e-05	12	0.002119 (0.00123 - 0.0033)
2022	Outdoor air	DOEL	Ce-141	Bq/m <sup>3</sup>	13	13	< 1.354e-05 (2e-06 - 2.3e-05)	0	
2022	Outdoor air	DOEL	Ce-144	Bq/m <sup>3</sup>	13	13	< 2.115e-05 (1e-06 - 3e-05)	0	
2022	Outdoor air	DOEL	Cs-134	Bq/m <sup>3</sup>	13	13	< 3.769e-06 (1e-06 - 6e-06)	0	
2022	Outdoor air	DOEL	Cs-137	Bq/m <sup>3</sup>	13	13	< 4.231e-06 (1e-06 - 7e-06)	0	
2022	Outdoor air	DOEL	I-131	Bq/m <sup>3</sup>	13	13	< 0.0003725 (1.2e-05 - 0.0017)	0	
2022	Outdoor air	DOEL	K-40	Bq/m <sup>3</sup>	13	13	< 6.677e-05 (8e-06 - 0.00012)	0	
2022	Outdoor air	DOEL	Nb-95	Bq/m <sup>3</sup>	13	13	< 9.154e-06 (2e-06 - 1.7e-05)	0	
2022	Outdoor air	DOEL	Rh-106	Bq/m <sup>3</sup>	1	1	< 3e-05	0	
2022	Outdoor air	DOEL	Ru-103	Bq/m <sup>3</sup>	13	13	< 8e-06 (2e-06 - 1.3e-05)	0	
2022	Outdoor air	DOEL	Ru-106	Bq/m <sup>3</sup>	12	12	< 3.683e-05 (9e-06 - 6e-05)	0	
2022	Outdoor air	DOEL	Se-75	Bq/m <sup>3</sup>	13	13	< 5.154e-06 (1e-06 - 8e-06)	0	
2022	Outdoor air	DOEL	T-Beta	Bq/m <sup>3</sup>	365	0		365	0.0002613 (2.9e-05 - 0.0013)
2022	Outdoor air	DOEL	Zr-95	Bq/m <sup>3</sup>	13	13	< 1.054e-05 (3e-06 - 1.8e-05)	0	
2022	Total deposition filtered	DOEL	Be-7	Bq/m <sup>2</sup>	13	5	< 11.2 (6 - 17)	8	26.5 (10 - 54)
2022	Total deposition filtered	DOEL	Ce-141	Bq/m <sup>2</sup>	13	13	< 2.354 (1.6 - 4)	0	
2022	Total deposition filtered	DOEL	Ce-144	Bq/m <sup>2</sup>	13	13	< 6.015 (2.5 - 10)	0	
2022	Total deposition filtered	DOEL	Cs-134	Bq/m <sup>2</sup>	13	13	< 0.9231 (0.6 - 1.5)	0	
2022	Total deposition filtered	DOEL	Cs-137	Bq/m <sup>2</sup>	13	13	< 0.9223 (0.09 - 1.7)	0	
2022	Total deposition filtered	DOEL	H-3	Bq/m <sup>2</sup>	13	11	< 818.2 (400 - 1800)	2	710 (440 - 980)
2022	Total deposition filtered	DOEL	I-131	Bq/m <sup>2</sup>	13	13	< 4.217 (0.03 - 9)	0	
2022	Total deposition filtered	DOEL	K-40	Bq/m <sup>2</sup>	24	11	< 17.27 (7 - 30)	13	0.9416 (0.299 - 1.87)
2022	Total deposition filtered	DOEL	Nb-95	Bq/m <sup>2</sup>	13	13	< 1.385 (0.8 - 2.4)	0	
2022	Total deposition filtered	DOEL	R-Beta	Bq/m <sup>2</sup>	13	0		13	2.048 (0.38 - 4.26)
2022	Total deposition filtered	DOEL	Ru-103	Bq/m <sup>2</sup>	13	13	< 1.331 (0.8 - 2.2)	0	
2022	Total deposition filtered	DOEL	Ru-106	Bq/m <sup>2</sup>	13	13	< 8.692 (5 - 15)	0	
2022	Total deposition filtered	DOEL	Se-75	Bq/m <sup>2</sup>	13	13	< 1.362 (0.9 - 2.1)	0	
2022	Total deposition filtered	DOEL	T-Alfa	Bq/m <sup>2</sup>	13	0		13	0.5094 (0.113 - 1.04)
2022	Total deposition filtered	DOEL	T-Beta	Bq/m <sup>2</sup>	13	0		13	2.989 (1.27 - 5.53)
2022	Total deposition filtered	DOEL	Zr-95	Bq/m <sup>2</sup>	13	13	< 1.946 (1.2 - 3)	0	
2022	Total deposition residue	DOEL	Be-7	Bq/m <sup>2</sup>	13	0		13	45.77 (13 - 108)
2022	Total deposition residue	DOEL	Ce-141	Bq/m <sup>2</sup>	13	13	< 0.5669 (0.19 - 0.9)	0	
2022	Total deposition residue	DOEL	Ce-144	Bq/m <sup>2</sup>	13	13	< 1.615 (0.6 - 2.5)	0	
2022	Total deposition residue	DOEL	Cs-134	Bq/m <sup>2</sup>	13	13	< 0.2838 (0.14 - 0.5)	0	
2022	Total deposition residue	DOEL	Cs-137	Bq/m <sup>2</sup>	13	13	< 0.3408 (0.15 - 0.5)	0	
2022	Total deposition residue	DOEL	I-131	Bq/m <sup>2</sup>	13	13	< 1.577 (0.6 - 2.4)	0	
2022	Total deposition residue	DOEL	K-40	Bq/m <sup>2</sup>	13	11	< 5.382 (2 - 9)	2	7.15 (3.3 - 11)
2022	Total deposition residue	DOEL	Nb-95	Bq/m <sup>2</sup>	13	13	< 0.4323 (0.21 - 0.7)	0	
2022	Total deposition residue	DOEL	Rh-106	Bq/m <sup>2</sup>	1	1	< 4	0	
2022	Total deposition residue	DOEL	Ru-103	Bq/m <sup>2</sup>	13	13	< 0.4015 (0.18 - 0.6)	0	
2022	Total deposition residue	DOEL	Ru-106	Bq/m <sup>2</sup>	12	12	< 2.467 (1.3 - 4)	0	
2022	Total deposition residue	DOEL	Se-75	Bq/m <sup>2</sup>	13	13	< 0.3392 (0.11 - 0.5)	0	
2022	Total deposition residue	DOEL	T-Alfa	Bq/m <sup>2</sup>	13	0		13	2.694 (0.269 - 9.9)
2022	Total deposition residue	DOEL	T-Beta	Bq/m <sup>2</sup>	13	0		13	7.971 (1.41 - 21.3)
2022	Total deposition residue	DOEL	Zr-95	Bq/m <sup>2</sup>	13	13	< 0.6231 (0.3 - 1)	0	
2022	Topsoil and grass	DOEL	Ag-110m	Bq/kg	1	1	< 1.1	0	
2022	Topsoil and grass	DOEL	Be-7	Bq/kg	1	1	< 12	0	
2022	Topsoil and grass	DOEL	Co-57	Bq/kg	1	1	< 0.8	0	
2022	Topsoil and grass	DOEL	Co-58	Bq/kg	1	1	< 1.2	0	
2022	Topsoil and grass	DOEL	Co-60	Bq/kg	1	1	< 1.1	0	
2022	Topsoil and grass	DOEL	Cs-134	Bq/kg	1	1	< 1	0	
2022	Topsoil and grass	DOEL	Cs-137	Bq/kg	1	0		1	1.5
2022	Topsoil and grass	DOEL	I-131	Bq/kg	1	1	< 14	0	
2022	Topsoil and grass	DOEL	K-40	Bq/kg	1	0		1	500
2022	Topsoil and grass	DOEL	Mn-54	Bq/kg	1	1	< 1.1	0	

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2022	Topsoil and grass	DOEL	Ra-226	Bq/kg	1	0		1	25.9
2022	Topsoil and grass	DOEL	Ra-228	Bq/kg	1	0		1	27.2
2022	Topsoil and grass	DOEL	Th-228	Bq/kg	1	0		1	27.7
2022	Topsoil and grass	DOEL	Zn-65	Bq/kg	1	1	< 3	0	
2022	River water	DOEL (LILLO)	Am-241	Bq/l	13	9	< 0.0001511 (1e-04 - 0.00024)	4	0.00032 (8e-05 - 0.001)
2022	River water	DOEL (LILLO)	Be-7	Bq/l	26	26	< 1.169 (0.6 - 2.5)	0	
2022	River water	DOEL (LILLO)	Ce-141	Bq/l	26	26	< 0.2358 (0.14 - 0.4)	0	
2022	River water	DOEL (LILLO)	Ce-144	Bq/l	26	26	< 0.8415 (0.28 - 1.9)	0	
2022	River water	DOEL (LILLO)	Cs-134	Bq/l	26	26	< 0.1192 (0.06 - 0.24)	0	
2022	River water	DOEL (LILLO)	Cs-137	Bq/l	26	26	< 0.1274 (0.01 - 0.26)	0	
2022	River water	DOEL (LILLO)	H-3	Bq/l	26	9	< 10.33 (8 - 13)	17	12.5 (7.8 - 18)
2022	River water	DOEL (LILLO)	I-131	Bq/l	26	26	< 0.3014 (0.0023 - 1.2)	0	
2022	River water	DOEL (LILLO)	K-40	Bq/l	48	9	< 3.344 (1.1 - 6)	39	3.543 (1.04 - 6)
2022	River water	DOEL (LILLO)	Nb-95	Bq/l	26	26	< 0.1515 (0.07 - 0.29)	0	
2022	River water	DOEL (LILLO)	Pu(239+240)	Bq/l	13	13	< 0.0001869 (8e-05 - 0.00028)	0	
2022	River water	DOEL (LILLO)	Pu-238	Bq/l	13	13	< 0.0001777 (9e-05 - 0.00024)	0	
2022	River water	DOEL (LILLO)	Ra-226	Bq/l	5	0		5	0.01414 (0.008 - 0.029)
2022	River water	DOEL (LILLO)	R-Beta	Bq/l	26	16	< 0.5031 (0.22 - 0.7)	10	0.632 (0.21 - 1.2)
2022	River water	DOEL (LILLO)	Rh-106	Bq/l	1	1	< 0.7	0	
2022	River water	DOEL (LILLO)	Ru-103	Bq/l	26	26	< 0.1458 (0.08 - 0.29)	0	
2022	River water	DOEL (LILLO)	Ru-106	Bq/l	25	24	< 1.183 (0.5 - 2.2)	1	2.2
2022	River water	DOEL (LILLO)	Se-75	Bq/l	26	26	< 0.1619 (0.09 - 0.3)	0	
2022	River water	DOEL (LILLO)	Sr-90	Bq/l	9	9	< 0.05667 (0.04 - 0.07)	0	
2022	River water	DOEL (LILLO)	T-Alfa	Bq/l	26	19	< 0.1079 (0.05 - 0.14)	7	0.1314 (0.07 - 0.18)
2022	River water	DOEL (LILLO)	T-Beta	Bq/l	26	0		26	3.628 (1.33 - 5.5)
2022	River water	DOEL (LILLO)	U-234	Bq/l	13	0		13	0.03869 (0.0172 - 0.24)
2022	River water	DOEL (LILLO)	U-235	Bq/l	13	0		13	0.0009454 (0.00047 - 0.00124)
2022	River water	DOEL (LILLO)	U-238	Bq/l	13	0		13	0.01946 (0.0151 - 0.0232)
2022	River water	DOEL (LILLO)	Zr-95	Bq/l	26	26	< 0.2369 (0.12 - 0.5)	0	
2022	River sediments	DOEL	Ag-110m	Bq/kg	14	14	< 1.293 (1 - 1.8)	0	
2022	River sediments	DOEL	Am-241	Bq/kg	7	6	< 0.8167 (0.6 - 1)	1	0.8
2022	River sediments	DOEL	Be-7	Bq/kg	14	0		14	17.14 (12 - 29)
2022	River sediments	DOEL	Co-57	Bq/kg	14	14	< 0.7 (0.4 - 1)	0	
2022	River sediments	DOEL	Co-58	Bq/kg	14	14	< 1.229 (0.9 - 1.8)	0	
2022	River sediments	DOEL	Co-60	Bq/kg	14	13	< 1.015 (0.6 - 1.5)	1	0.43
2022	River sediments	DOEL	Cs-134	Bq/kg	14	14	< 1.057 (0.8 - 1.4)	0	
2022	River sediments	DOEL	Cs-137	Bq/kg	14	0		14	4.929 (4.6 - 5.7)
2022	River sediments	DOEL	I-131	Bq/kg	14	14	< 16.14 (8 - 30)	0	
2022	River sediments	DOEL	K-40	Bq/kg	14	0		14	537.9 (480 - 580)
2022	River sediments	DOEL	Mn-54	Bq/kg	14	14	< 1.014 (0.8 - 1.5)	0	
2022	River sediments	DOEL	Ra-226	Bq/kg	14	0		14	35.64 (32.7 - 39.2)
2022	River sediments	DOEL	Ra-228	Bq/kg	14	0		14	29.82 (26.3 - 34)
2022	River sediments	DOEL	Th-228	Bq/kg	14	0		14	34.16 (31.8 - 36)
2022	River sediments	DOEL	U-238	Bq/kg	2	0		2	34.5 (33 - 36)
2022	River sediments	DOEL	Zn-65	Bq/kg	14	14	< 3.064 (2.4 - 4)	0	
2022	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Ag-110m	Bq/kg	4	4	< 1.125 (0.8 - 1.4)	0	
2022	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Am-241	Bq/kg	4	3	< 0.04667 (0.04 - 0.06)	1	0.05
2022	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Be-7	Bq/kg	4	4	< 12.5 (9 - 15)	0	
2022	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Co-57	Bq/kg	4	4	< 0.775 (0.4 - 1.1)	0	
2022	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Co-58	Bq/kg	4	4	< 1.375 (1 - 1.7)	0	
2022	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Co-60	Bq/kg	4	4	< 1.1 (0.9 - 1.3)	0	
2022	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Cs-134	Bq/kg	4	4	< 1.025 (0.7 - 1.3)	0	
2022	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Cs-137	Bq/kg	4	4	< 1.025 (0.8 - 1.3)	0	
2022	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	H-3	Bq/kg	4	4	< 9.5 (6 - 12)	0	
2022	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	I-131	Bq/kg	4	4	< 15.5 (10 - 19)	0	
2022	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	K-40	Bq/kg	4	0		4	207.5 (180 - 260)
2022	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Mn-54	Bq/kg	4	4	< 1.1 (0.8 - 1.3)	0	

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2022	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Pu(239+240)	Bq/kg	4	4	< 0.0925 (0.04 - 0.21)	0	
2022	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Pu-238	Bq/kg	4	3	< 0.09667 (0.05 - 0.17)	1	0.61
2022	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Ra-226	Bq/kg	4	3	< 1.867 (1.7 - 2)	1	4.7
2022	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Ra-228	Bq/kg	4	2	< 5 (5 - 5)	2	7.5 (4 - 11)
2022	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Sr-90	Bq/kg	4	4	< 3.875 (2.5 - 5)	0	
2022	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Th-228	Bq/kg	4	4	< 1.775 (1.1 - 2.5)	0	
2022	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	U-238	Bq/kg	1	1	< 17	0	
2022	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Zn-65	Bq/kg	4	4	< 2.675 (2.2 - 3)	0	
2022	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Ag-110m	Bq/kg	4	4	< 1 (0.9 - 1.2)	0	
2022	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Am-241	Bq/kg	4	4	< 0.11 (0.07 - 0.13)	0	
2022	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Be-7	Bq/kg	4	4	< 10 (8 - 12)	0	
2022	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Co-57	Bq/kg	4	4	< 0.65 (0.5 - 0.8)	0	
2022	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Co-58	Bq/kg	4	4	< 1.275 (1.1 - 1.4)	0	
2022	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Co-60	Bq/kg	4	4	< 1.075 (1 - 1.2)	0	
2022	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Cs-134	Bq/kg	4	4	< 1.025 (0.9 - 1.1)	0	
2022	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Cs-137	Bq/kg	4	4	< 1.05 (0.9 - 1.2)	0	
2022	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	H-3	Bq/kg	4	4	< 8.25 (5 - 11)	0	
2022	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	I-131	Bq/kg	4	4	< 11.25 (10 - 13)	0	
2022	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	K-40	Bq/kg	4	0		4	992.5 (870 - 1120)
2022	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Mn-54	Bq/kg	4	4	< 0.925 (0.7 - 1.1)	0	
2022	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Pu(239+240)	Bq/kg	4	4	< 0.15 (0.12 - 0.18)	0	
2022	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Pu-238	Bq/kg	4	4	< 0.1475 (0.09 - 0.18)	0	
2022	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Ra-226	Bq/kg	4	0		4	5.35 (3.7 - 6.1)
2022	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Ra-228	Bq/kg	4	0		4	8.625 (6.5 - 10.7)
2022	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Sr-90	Bq/kg	4	4	< 4.175 (2.7 - 5)	0	
2022	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Tc-99	Bq/kg	4	4	< 32.5 (30 - 40)	0	
2022	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Th-228	Bq/kg	4	2	< 1.85 (1.7 - 2)	2	1.75 (1.4 - 2.1)
2022	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Zn-65	Bq/kg	4	4	< 2.875 (2.7 - 3)	0	
2022	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Ag-110m	Bq/kg	2	2	< 0.9 (0.4 - 1.4)	0	
2022	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Am-241	Bq/kg	2	2	< 0.08 (0.06 - 0.1)	0	
2022	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Be-7	Bq/kg	2	2	< 11 (5 - 17)	0	
2022	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Co-57	Bq/kg	2	2	< 0.6 (0.2 - 1)	0	
2022	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Co-58	Bq/kg	2	2	< 1.25 (0.6 - 1.9)	0	
2022	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Co-60	Bq/kg	2	2	< 1 (0.5 - 1.5)	0	
2022	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Cs-134	Bq/kg	2	2	< 0.85 (0.4 - 1.3)	0	
2022	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Cs-137	Bq/kg	2	2	< 0.95 (0.5 - 1.4)	0	
2022	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	H-3	Bq/kg	2	2	< 8 (6 - 10)	0	
2022	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	I-131	Bq/kg	2	2	< 21 (12 - 30)	0	
2022	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	K-40	Bq/kg	2	0		2	400 (350 - 450)
2022	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Mn-54	Bq/kg	2	2	< 1 (0.5 - 1.5)	0	
2022	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Pu(239+240)	Bq/kg	2	2	< 0.09 (0.08 - 0.1)	0	
2022	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Pu-238	Bq/kg	2	2	< 0.13 (0.11 - 0.15)	0	
2022	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Ra-226	Bq/kg	2	1	< 2.8	1	4.1
2022	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Ra-228	Bq/kg	2	1	< 6	1	3.1
2022	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Sr-90	Bq/kg	2	2	< 4.5 (4 - 5)	0	
2022	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Th-228	Bq/kg	2	1	< 2.4	1	0.5
2022	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Zn-65	Bq/kg	2	2	< 2.7 (1.4 - 4)	0	
2022	Wastewater-NPP Doel	DOEL-Mixture Controlled Area	Ag-110m	Bq/l	13	1	< 0.9	12	3.5 (1.7 - 6.4)
2022	Wastewater-NPP Doel	DOEL-Mixture Controlled Area	Be-7	Bq/l	13	13	< 10.31 (5 - 21)	0	
2022	Wastewater-NPP Doel	DOEL-Mixture Controlled Area	Ce-141	Bq/l	13	13	< 2.077 (0.7 - 5)	0	
2022	Wastewater-NPP Doel	DOEL-Mixture Controlled Area	Ce-144	Bq/l	13	13	< 5.185 (1.7 - 12)	0	
2022	Wastewater-NPP Doel	DOEL-Mixture Controlled Area	Co-57	Bq/l	13	13	< 0.6385 (0.22 - 1.5)	0	
2022	Wastewater-NPP Doel	DOEL-Mixture Controlled Area	Co-58	Bq/l	13	6	< 1.283 (0.8 - 2.3)	7	3.8 (1.8 - 12.6)
2022	Wastewater-NPP Doel	DOEL-Mixture Controlled Area	Co-60	Bq/l	13	2	< 1.25 (0.7 - 1.8)	11	2.886 (1.21 - 6.5)
2022	Wastewater-NPP Doel	DOEL-Mixture Controlled Area	Cr-51	Bq/l	13	13	< 14 (7 - 30)	0	
2022	Wastewater-NPP Doel	DOEL-Mixture Controlled Area	Cs-134	Bq/l	13	13	< 0.9231 (0.5 - 2)	0	
2022	Wastewater-NPP Doel	DOEL-Mixture Controlled Area	Cs-137	Bq/l	13	4	< 1.375 (0.7 - 2.2)	9	16.4 (1.3 - 53)

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2022	Wastewater-NPP Doel	DOEL-Mixture Controlled Area	Fe-59	Bq/l	13	13	< 2.362 (1.4 - 5)	0	
2022	Wastewater-NPP Doel	DOEL-Mixture Controlled Area	H-3	Bq/l	13	0		13	640100 (236000 - 1290000)
2022	Wastewater-NPP Doel	DOEL-Mixture Controlled Area	I-131	Bq/l	13	13	< 9.946 (2.3 - 26)	0	
2022	Wastewater-NPP Doel	DOEL-Mixture Controlled Area	Mn-54	Bq/l	13	13	< 0.8462 (0.5 - 1.7)	0	
2022	Wastewater-NPP Doel	DOEL-Mixture Controlled Area	Nb-95	Bq/l	13	13	< 1.492 (0.9 - 3)	0	
2022	Wastewater-NPP Doel	DOEL-Mixture Controlled Area	Rh-106	Bq/l	1	1	< 15	0	
2022	Wastewater-NPP Doel	DOEL-Mixture Controlled Area	Ru-103	Bq/l	13	13	< 1.362 (0.8 - 2.8)	0	
2022	Wastewater-NPP Doel	DOEL-Mixture Controlled Area	Ru-106	Bq/l	12	12	< 7.583 (4 - 17)	0	
2022	Wastewater-NPP Doel	DOEL-Mixture Controlled Area	Sb-124	Bq/l	13	2	< 0.85 (0.7 - 1)	11	12.39 (1 - 32)
2022	Wastewater-NPP Doel	DOEL-Mixture Controlled Area	Sb-125	Bq/l	13	4	< 2.25 (1.4 - 2.6)	9	26.78 (4.4 - 63)
2022	Wastewater-NPP Doel	DOEL-Mixture Controlled Area	Sn-113	Bq/l	13	13	< 1.338 (0.6 - 2.9)	0	
2022	Wastewater-NPP Doel	DOEL-Mixture Controlled Area	Te-123m	Bq/l	13	4	< 1.1 (0.5 - 1.9)	9	5.012 (0.51 - 17.2)
2022	Wastewater-NPP Doel	DOEL-Mixture Controlled Area	Zn-65	Bq/l	13	13	< 1.915 (0.9 - 4)	0	
2022	Wastewater-NPP Doel	DOEL-Mixture Controlled Area	Zr-95	Bq/l	13	13	< 1.846 (1 - 4)	0	
2022	Wastewater-NPP Doel	DOEL-Mixture Secondary Circuit	Ag-110m	Bq/l	13	13	< 0.7077 (0.4 - 1.3)	0	
2022	Wastewater-NPP Doel	DOEL-Mixture Secondary Circuit	Be-7	Bq/l	13	13	< 7.692 (4 - 15)	0	
2022	Wastewater-NPP Doel	DOEL-Mixture Secondary Circuit	Ce-141	Bq/l	13	13	< 1.685 (0.6 - 3)	0	
2022	Wastewater-NPP Doel	DOEL-Mixture Secondary Circuit	Ce-144	Bq/l	13	13	< 4.238 (1.4 - 8)	0	
2022	Wastewater-NPP Doel	DOEL-Mixture Secondary Circuit	Co-57	Bq/l	13	13	< 0.5377 (0.17 - 1.1)	0	
2022	Wastewater-NPP Doel	DOEL-Mixture Secondary Circuit	Co-58	Bq/l	13	13	< 0.7923 (0.5 - 1.6)	0	
2022	Wastewater-NPP Doel	DOEL-Mixture Secondary Circuit	Co-60	Bq/l	13	13	< 0.6538 (0.4 - 1.3)	0	
2022	Wastewater-NPP Doel	DOEL-Mixture Secondary Circuit	Cr-51	Bq/l	13	13	< 10.62 (5 - 20)	0	
2022	Wastewater-NPP Doel	DOEL-Mixture Secondary Circuit	Cs-134	Bq/l	13	13	< 0.6615 (0.4 - 1.2)	0	
2022	Wastewater-NPP Doel	DOEL-Mixture Secondary Circuit	Cs-137	Bq/l	13	13	< 0.7385 (0.4 - 1.3)	0	
2022	Wastewater-NPP Doel	DOEL-Mixture Secondary Circuit	Fe-59	Bq/l	13	13	< 1.846 (1.1 - 4)	0	
2022	Wastewater-NPP Doel	DOEL-Mixture Secondary Circuit	H-3	Bq/l	13	0		13	1489 (16.3 - 18800)
2022	Wastewater-NPP Doel	DOEL-Mixture Secondary Circuit	I-131	Bq/l	13	13	< 7.369 (1 - 15)	0	
2022	Wastewater-NPP Doel	DOEL-Mixture Secondary Circuit	Mn-54	Bq/l	13	13	< 0.6538 (0.4 - 1.3)	0	
2022	Wastewater-NPP Doel	DOEL-Mixture Secondary Circuit	Nb-95	Bq/l	13	13	< 1.1 (0.6 - 2.1)	0	
2022	Wastewater-NPP Doel	DOEL-Mixture Secondary Circuit	Ru-103	Bq/l	13	13	< 1.046 (0.6 - 1.9)	0	
2022	Wastewater-NPP Doel	DOEL-Mixture Secondary Circuit	Ru-106	Bq/l	13	13	< 6.385 (4 - 13)	0	
2022	Wastewater-NPP Doel	DOEL-Mixture Secondary Circuit	Sb-124	Bq/l	13	13	< 0.8769 (0.5 - 1.6)	0	
2022	Wastewater-NPP Doel	DOEL-Mixture Secondary Circuit	Sb-125	Bq/l	13	13	< 1.9 (0.9 - 4)	0	
2022	Wastewater-NPP Doel	DOEL-Mixture Secondary Circuit	Sn-113	Bq/l	13	13	< 0.9769 (0.5 - 1.8)	0	
2022	Wastewater-NPP Doel	DOEL-Mixture Secondary Circuit	Te-123m	Bq/l	13	13	< 0.6162 (0.21 - 1.2)	0	
2022	Wastewater-NPP Doel	DOEL-Mixture Secondary Circuit	Zn-65	Bq/l	13	13	< 1.469 (0.9 - 3)	0	
2022	Wastewater-NPP Doel	DOEL-Mixture Secondary Circuit	Zr-95	Bq/l	13	13	< 1.523 (0.8 - 3)	0	



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

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

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2022	Outdoor air	BRUSSELS	Be-7	Bq/m <sup>3</sup>	13	0		13	0.002824 (0.001005 - 0.004406)
2022	Outdoor air	BRUSSELS	Ce-141	Bq/m <sup>3</sup>	13	13	< 0.0001729 (2.11e-05 - 0.0009199)	0	
2022	Outdoor air	BRUSSELS	Ce-144	Bq/m <sup>3</sup>	13	13	< 0.0001029 (4.28e-05 - 0.0001513)	0	
2022	Outdoor air	BRUSSELS	Cs-134	Bq/m <sup>3</sup>	13	13	< 2.778e-05 (1.39e-05 - 3.47e-05)	0	
2022	Outdoor air	BRUSSELS	Cs-137	Bq/m <sup>3</sup>	13	13	< 2.326e-05 (1.2e-05 - 2.89e-05)	0	
2022	Outdoor air	BRUSSELS	I-131	Bq/m <sup>3</sup>	13	13	< 3.774 (0.000189 - 46.43)	0	
2022	Outdoor air	BRUSSELS	K-40	Bq/m <sup>3</sup>	13	4	< 0.0003524 (0.0003201 - 0.0004175)	9	0.0005427 (0.0003834 - 0.000785)
2022	Outdoor air	BRUSSELS	Nb-95	Bq/m <sup>3</sup>	13	12	< 0.0001542 (2.14e-05 - 0.0007833)	1	0.0002924
2022	Outdoor air	BRUSSELS	Ru-103	Bq/m <sup>3</sup>	13	13	< 9.785e-05 (1.85e-05 - 0.0004407)	0	
2022	Outdoor air	BRUSSELS	Ru-106	Bq/m <sup>3</sup>	13	13	< 0.0002323 (0.0001104 - 0.0003254)	0	
2022	Outdoor air	BRUSSELS	T-Beta	Bq/m <sup>3</sup>	366	30	< 0.0001533 (3.8e-06 - 0.0002073)	336	0.0004853 (3.42e-05 - 0.001687)
2022	Outdoor air	BRUSSELS	Zr-95	Bq/m <sup>3</sup>	13	13	< 0.0001012 (2.83e-05 - 0.0002877)	0	
2022	Total deposition filtered	BRUSSELS	Be-7	Bq/m <sup>2</sup>	13	6	< 17.07 (13.61 - 21.76)	7	26.59 (11.04 - 60.35)
2022	Total deposition filtered	BRUSSELS	Ce-141	Bq/m <sup>2</sup>	13	13	< 3.769 (2.412 - 4.971)	0	
2022	Total deposition filtered	BRUSSELS	Ce-144	Bq/m <sup>2</sup>	13	13	< 9.953 (5.658 - 11.48)	0	
2022	Total deposition filtered	BRUSSELS	Cs-134	Bq/m <sup>2</sup>	13	13	< 1.404 (0.6991 - 1.675)	0	
2022	Total deposition filtered	BRUSSELS	Cs-137	Bq/m <sup>2</sup>	13	13	< 1.424 (0.7988 - 1.606)	0	
2022	Total deposition filtered	BRUSSELS	H-3	Bq/m <sup>2</sup>	13	13	< 256.1 (39.89 - 463)	0	
2022	Total deposition filtered	BRUSSELS	I-131	Bq/m <sup>2</sup>	13	13	< 12.65 (5.856 - 35.28)	0	
2022	Total deposition filtered	BRUSSELS	K-40	Bq/m <sup>2</sup>	23	10	< 22.68 (11.2 - 29.43)	13	1.101 (0.01661 - 2.377)
2022	Total deposition filtered	BRUSSELS	Nb-95	Bq/m <sup>2</sup>	13	13	< 2.258 (1.283 - 3.376)	0	
2022	Total deposition filtered	BRUSSELS	R-Beta	Bq/l	13	2	< 0.001289 (0.001 - 0.001578)	11	0.01598 (0.007295 - 0.04114)
2022	Total deposition filtered	BRUSSELS	Ru-103	Bq/m <sup>2</sup>	13	13	< 2.027 (1.106 - 2.871)	0	
2022	Total deposition filtered	BRUSSELS	Ru-106	Bq/m <sup>2</sup>	13	13	< 12.69 (6.51 - 14.99)	0	
2022	Total deposition filtered	BRUSSELS	T-Alfa	Bq/m <sup>2</sup>	13	1	< 0.06945	12	0.177 (0.0547 - 0.6499)
2022	Total deposition filtered	BRUSSELS	T-Beta	Bq/m <sup>2</sup>	13	0		13	1.853 (0.5441 - 3.757)
2022	Total deposition filtered	BRUSSELS	Zr-95	Bq/m <sup>2</sup>	13	13	< 3.093 (1.724 - 4.091)	0	
2022	Total deposition residue	BRUSSELS	Be-7	Bq/m <sup>2</sup>	13	2	< 7.169 (5.857 - 8.48)	11	29.24 (9.087 - 87.23)
2022	Total deposition residue	BRUSSELS	Ce-141	Bq/m <sup>2</sup>	13	13	< 2.168 (1.16 - 3.988)	0	
2022	Total deposition residue	BRUSSELS	Ce-144	Bq/m <sup>2</sup>	13	13	< 5.23 (3.182 - 9.365)	0	
2022	Total deposition residue	BRUSSELS	Cs-134	Bq/m <sup>2</sup>	13	13	< 1.034 (0.6394 - 1.821)	0	
2022	Total deposition residue	BRUSSELS	Cs-137	Bq/m <sup>2</sup>	13	13	< 0.9763 (0.3989 - 1.891)	0	
2022	Total deposition residue	BRUSSELS	I-131	Bq/m <sup>2</sup>	13	13	< 9.324 (2.192 - 21.4)	0	
2022	Total deposition residue	BRUSSELS	K-40	Bq/m <sup>2</sup>	13	13	< 14.71 (7.932 - 26.86)	0	
2022	Total deposition residue	BRUSSELS	Nb-95	Bq/m <sup>2</sup>	13	13	< 1.606 (0.8785 - 2.932)	0	
2022	Total deposition residue	BRUSSELS	Ru-103	Bq/m <sup>2</sup>	13	13	< 1.428 (0.7731 - 2.503)	0	
2022	Total deposition residue	BRUSSELS	Ru-106	Bq/m <sup>2</sup>	13	13	< 9.373 (5.632 - 16.55)	0	
2022	Total deposition residue	BRUSSELS	T-Alfa	Bq/m <sup>2</sup>	13	0		13	0.9577 (0.3582 - 2.063)
2022	Total deposition residue	BRUSSELS	T-Beta	Bq/m <sup>2</sup>	13	0		13	3.098 (0.981 - 6.548)
2022	Total deposition residue	BRUSSELS	Zr-95	Bq/m <sup>2</sup>	13	13	< 2.186 (1.197 - 3.991)	0	
2022	Topsoil and grass	BRUSSELS	Ag-110m	Bq/kg	1	1	< 1.337	0	
2022	Topsoil and grass	BRUSSELS	Be-7	Bq/kg	1	1	< 12.67	0	
2022	Topsoil and grass	BRUSSELS	Co-57	Bq/kg	1	1	< 0.6974	0	
2022	Topsoil and grass	BRUSSELS	Co-58	Bq/kg	1	1	< 1.369	0	
2022	Topsoil and grass	BRUSSELS	Co-60	Bq/kg	1	1	< 1.201	0	
2022	Topsoil and grass	BRUSSELS	Cs-134	Bq/kg	1	1	< 1.061	0	
2022	Topsoil and grass	BRUSSELS	Cs-137	Bq/kg	1	0		1	5.175
2022	Topsoil and grass	BRUSSELS	I-131	Bq/kg	1	1	< 26.18	0	
2022	Topsoil and grass	BRUSSELS	K-40	Bq/kg	1	0		1	395.7
2022	Topsoil and grass	BRUSSELS	Mn-54	Bq/kg	1	1	< 1.148	0	
2022	Topsoil and grass	BRUSSELS	Ra-226	Bq/kg	1	0		1	37.25
2022	Topsoil and grass	BRUSSELS	Ra-228	Bq/kg	1	0		1	31.88
2022	Topsoil and grass	BRUSSELS	Ru-106	Bq/kg	1	1	< 9.323	0	
2022	Topsoil and grass	BRUSSELS	Sb-125	Bq/kg	1	1	< 2.846	0	
2022	Topsoil and grass	BRUSSELS	Th-228	Bq/kg	1	0		1	33.11

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2022	Topsoil and grass	BRUSSELS	Zn-65	Bq/kg	1	1	< 3.023	0	

**Table S7. Radioactivity measurements of the Belgian Coast: atmosphere, soil and the North Sea (water, sediments and fauna & flora).**

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

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2022	Outdoor air	KOKSIJDE	Be-7	Bq/m <sup>3</sup>	13	0		13	0.002848 (0.00183 - 0.0044)
2022	Outdoor air	KOKSIJDE	Ce-141	Bq/m <sup>3</sup>	13	13	< 2.115e-05 (7e-06 - 4e-05)	0	
2022	Outdoor air	KOKSIJDE	Ce-144	Bq/m <sup>3</sup>	13	13	< 2.562e-05 (1e-05 - 4e-05)	0	
2022	Outdoor air	KOKSIJDE	Cs-134	Bq/m <sup>3</sup>	13	13	< 4e-06 (2e-06 - 6e-06)	0	
2022	Outdoor air	KOKSIJDE	Cs-137	Bq/m <sup>3</sup>	13	13	< 4.385e-06 (2e-06 - 6e-06)	0	
2022	Outdoor air	KOKSIJDE	I-131	Bq/m <sup>3</sup>	13	13	< 0.001012 (6e-05 - 0.003)	0	
2022	Outdoor air	KOKSIJDE	K-40	Bq/m <sup>3</sup>	13	13	< 6.538e-05 (3e-05 - 1e-04)	0	
2022	Outdoor air	KOKSIJDE	Nb-95	Bq/m <sup>3</sup>	13	13	< 1.285e-05 (5e-06 - 2.4e-05)	0	
2022	Outdoor air	KOKSIJDE	Ru-103	Bq/m <sup>3</sup>	13	13	< 1.108e-05 (5e-06 - 2.1e-05)	0	
2022	Outdoor air	KOKSIJDE	Ru-106	Bq/m <sup>3</sup>	13	13	< 3.785e-05 (2e-05 - 6e-05)	0	
2022	Outdoor air	KOKSIJDE	Se-75	Bq/m <sup>3</sup>	13	13	< 6.462e-06 (2e-06 - 1e-05)	0	
2022	Outdoor air	KOKSIJDE	T-Beta	Bq/m <sup>3</sup>	161	0		161	0.000359 (7.7e-05 - 0.00152)
2022	Outdoor air	KOKSIJDE	Zr-95	Bq/m <sup>3</sup>	13	13	< 1.277e-05 (7e-06 - 2.1e-05)	0	
2022	Topsoil and grass	KOKSIJDE	Ag-110m	Bq/kg	1	1	< 0.7	0	
2022	Topsoil and grass	KOKSIJDE	Be-7	Bq/kg	1	1	< 7	0	
2022	Topsoil and grass	KOKSIJDE	Co-57	Bq/kg	1	1	< 0.5	0	
2022	Topsoil and grass	KOKSIJDE	Co-58	Bq/kg	1	1	< 0.8	0	
2022	Topsoil and grass	KOKSIJDE	Co-60	Bq/kg	1	1	< 0.6	0	
2022	Topsoil and grass	KOKSIJDE	Cs-134	Bq/kg	1	1	< 0.6	0	
2022	Topsoil and grass	KOKSIJDE	Cs-137	Bq/kg	1	0		1	3.3
2022	Topsoil and grass	KOKSIJDE	I-131	Bq/kg	1	1	< 7	0	
2022	Topsoil and grass	KOKSIJDE	K-40	Bq/kg	1	0		1	264
2022	Topsoil and grass	KOKSIJDE	Mn-54	Bq/kg	1	1	< 0.6	0	
2022	Topsoil and grass	KOKSIJDE	Ra-226	Bq/kg	1	0		1	11.4
2022	Topsoil and grass	KOKSIJDE	Ra-228	Bq/kg	1	0		1	11.6
2022	Topsoil and grass	KOKSIJDE	Th-228	Bq/kg	1	0		1	11.5
2022	Topsoil and grass	KOKSIJDE	Zn-65	Bq/kg	1	1	< 1.7	0	
2022	North Sea water	NORTH SEA	Ag-110m	Bq/l	20	20	< 0.0545 (0.03 - 0.11)	0	
2022	North Sea water	NORTH SEA	Be-7	Bq/l	20	20	< 0.625 (0.4 - 1.4)	0	
2022	North Sea water	NORTH SEA	Co-57	Bq/l	20	20	< 0.05085 (0.027 - 0.11)	0	
2022	North Sea water	NORTH SEA	Co-58	Bq/l	20	20	< 0.0645 (0.04 - 0.13)	0	
2022	North Sea water	NORTH SEA	Co-60	Bq/l	20	20	< 0.0495 (0.03 - 0.1)	0	
2022	North Sea water	NORTH SEA	Cs-134	Bq/l	20	20	< 0.001115 (5e-04 - 0.0027)	0	
2022	North Sea water	NORTH SEA	Cs-137	Bq/l	20	14	< 0.001407 (7e-04 - 0.003)	6	0.001462 (0.00107 - 0.0022)
2022	North Sea water	NORTH SEA	I-131	Bq/l	20	20	< 1.656 (0.005 - 14)	0	
2022	North Sea water	NORTH SEA	K-40	Bq/l	20	0		20	11.24 (10.2 - 13)
2022	North Sea water	NORTH SEA	Mn-54	Bq/l	20	20	< 0.0505 (0.03 - 0.1)	0	
2022	North Sea water	NORTH SEA	Pu(239+240)	Bq/l	20	20	< 0.0001365 (8e-05 - 0.00024)	0	
2022	North Sea water	NORTH SEA	Pu-238	Bq/l	20	20	< 0.0001495 (8e-05 - 3e-04)	0	
2022	North Sea water	NORTH SEA	Ra-226	Bq/l	20	18	< 0.09444 (0.06 - 0.2)	2	0.275 (0.27 - 0.28)
2022	North Sea water	NORTH SEA	Ra-228	Bq/l	20	18	< 0.19 (0.12 - 0.4)	2	0.9 (0.9 - 0.9)
2022	North Sea water	NORTH SEA	T-Alfa	Bq/l	20	19	< 0.2626 (0.18 - 0.4)	1	0.38
2022	North Sea water	NORTH SEA	T-Beta	Bq/l	20	0		20	11.12 (9.1 - 12.4)
2022	North Sea water	NORTH SEA	Th-228	Bq/l	20	15	< 0.1007 (0.06 - 0.2)	5	0.398 (0.19 - 0.7)
2022	North Sea water	NORTH SEA	Zn-65	Bq/l	20	20	< 0.1145 (0.06 - 0.23)	0	
2022	North Sea sediments	NORTH SEA	Ag-110m	Bq/kg	17	17	< 0.4065 (0.25 - 0.8)	0	
2022	North Sea sediments	NORTH SEA	Be-7	Bq/kg	17	17	< 5.4 (2.8 - 11)	0	
2022	North Sea sediments	NORTH SEA	Co-57	Bq/kg	17	17	< 0.3653 (0.18 - 0.8)	0	
2022	North Sea sediments	NORTH SEA	Co-58	Bq/kg	17	17	< 0.5471 (0.3 - 1.1)	0	
2022	North Sea sediments	NORTH SEA	Co-60	Bq/kg	17	17	< 0.3729 (0.26 - 0.7)	0	
2022	North Sea sediments	NORTH SEA	Cs-134	Bq/kg	17	17	< 0.4006 (0.24 - 0.8)	0	
2022	North Sea sediments	NORTH SEA	Cs-137	Bq/kg	17	16	< 0.395 (0.27 - 0.7)	1	0.55
2022	North Sea sediments	NORTH SEA	I-131	Bq/kg	17	17	< 29.53 (4 - 120)	0	
2022	North Sea sediments	NORTH SEA	K-40	Bq/kg	17	0		17	190.2 (88 - 256)
2022	North Sea sediments	NORTH SEA	Mn-54	Bq/kg	17	17	< 0.4082 (0.27 - 0.7)	0	

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2022	North Sea sediments	NORTH SEA	Pu(239+240)	Bq/kg	17	17	< 0.3012 (0.22 - 0.4)	0	
2022	North Sea sediments	NORTH SEA	Pu-238	Bq/kg	17	17	< 0.3529 (0.3 - 0.5)	0	
2022	North Sea sediments	NORTH SEA	Ra-226	Bq/kg	17	0		17	7.371 (4.7 - 12.8)
2022	North Sea sediments	NORTH SEA	Ra-228	Bq/kg	17	0		17	6.612 (3.4 - 13.5)
2022	North Sea sediments	NORTH SEA	Th-228	Bq/kg	17	0		17	7.065 (3.8 - 14.6)
2022	North Sea sediments	NORTH SEA	Zn-65	Bq/kg	17	17	< 1.153 (0.8 - 2.1)	0	
2022	North Sea mussels	OOSTENDE	Ag-110m	Bq/kg	4	4	< 0.875 (0.6 - 1.5)	0	
2022	North Sea mussels	OOSTENDE	Am-241	Bq/kg	4	2	< 0.0265 (0.023 - 0.03)	2	0.045 (0.04 - 0.05)
2022	North Sea mussels	OOSTENDE	Be-7	Bq/kg	4	4	< 10 (6 - 18)	0	
2022	North Sea mussels	OOSTENDE	Co-57	Bq/kg	4	4	< 0.55 (0.3 - 0.9)	0	
2022	North Sea mussels	OOSTENDE	Co-58	Bq/kg	4	4	< 1.1 (0.7 - 1.9)	0	
2022	North Sea mussels	OOSTENDE	Co-60	Bq/kg	4	4	< 0.875 (0.5 - 1.5)	0	
2022	North Sea mussels	OOSTENDE	Cs-134	Bq/kg	4	4	< 0.8 (0.5 - 1.4)	0	
2022	North Sea mussels	OOSTENDE	Cs-137	Bq/kg	4	4	< 0.9 (0.7 - 1.5)	0	
2022	North Sea mussels	OOSTENDE	H-3	Bq/kg	4	3	< 9.333 (8 - 11)	1	19
2022	North Sea mussels	OOSTENDE	I-131	Bq/kg	4	4	< 14.5 (6 - 30)	0	
2022	North Sea mussels	OOSTENDE	K-40	Bq/kg	4	0		4	211.8 (152 - 290)
2022	North Sea mussels	OOSTENDE	Mn-54	Bq/kg	4	4	< 0.875 (0.5 - 1.5)	0	
2022	North Sea mussels	OOSTENDE	Pu(239+240)	Bq/kg	4	4	< 0.05 (0.04 - 0.06)	0	
2022	North Sea mussels	OOSTENDE	Pu-238	Bq/kg	4	4	< 0.05 (0.04 - 0.06)	0	
2022	North Sea mussels	OOSTENDE	Ra-226	Bq/kg	4	4	< 1.75 (1.2 - 3)	0	
2022	North Sea mussels	OOSTENDE	Ra-228	Bq/kg	4	4	< 3.45 (2.3 - 6)	0	
2022	North Sea mussels	OOSTENDE	Sr-90	Bq/kg	4	4	< 3.15 (1.6 - 4)	0	
2022	North Sea mussels	OOSTENDE	Th-228	Bq/kg	4	3	< 1.6 (0.9 - 2.7)	1	0.8
2022	North Sea mussels	OOSTENDE	Zn-65	Bq/kg	4	4	< 2.25 (1.4 - 4)	0	
2022	North Sea fish	NORTH SEA	Ag-110m	Bq/kg	20	20	< 1.045 (0.7 - 1.6)	0	
2022	North Sea fish	NORTH SEA	Am-241	Bq/kg	20	20	< 0.0795 (0.04 - 0.3)	0	
2022	North Sea fish	NORTH SEA	Be-7	Bq/kg	20	20	< 12.3 (7 - 21)	0	
2022	North Sea fish	NORTH SEA	Co-57	Bq/kg	20	20	< 0.6395 (0.29 - 1.1)	0	
2022	North Sea fish	NORTH SEA	Co-58	Bq/kg	20	20	< 1.39 (1 - 2.1)	0	
2022	North Sea fish	NORTH SEA	Co-60	Bq/kg	20	20	< 1.055 (0.6 - 1.6)	0	
2022	North Sea fish	NORTH SEA	Cs-134	Bq/kg	20	20	< 0.91 (0.6 - 1.4)	0	
2022	North Sea fish	NORTH SEA	Cs-137	Bq/kg	20	20	< 1.065 (0.7 - 1.6)	0	
2022	North Sea fish	NORTH SEA	H-3	Bq/kg	20	20	< 12.25 (8 - 16)	0	
2022	North Sea fish	NORTH SEA	I-131	Bq/kg	20	20	< 34.45 (12 - 60)	0	
2022	North Sea fish	NORTH SEA	K-40	Bq/kg	20	0		20	425 (360 - 480)
2022	North Sea fish	NORTH SEA	Mn-54	Bq/kg	20	20	< 1.05 (0.7 - 1.6)	0	
2022	North Sea fish	NORTH SEA	Pu(239+240)	Bq/kg	20	20	< 0.059 (0.03 - 0.09)	0	
2022	North Sea fish	NORTH SEA	Pu-238	Bq/kg	20	20	< 0.068 (0.03 - 0.1)	0	
2022	North Sea fish	NORTH SEA	Ra-226	Bq/kg	20	20	< 1.89 (1.2 - 3)	0	
2022	North Sea fish	NORTH SEA	Ra-228	Bq/kg	20	18	< 4.25 (2.7 - 7)	2	9 (8 - 10)
2022	North Sea fish	NORTH SEA	Sr-90	Bq/kg	20	20	< 5.6 (5 - 7)	0	
2022	North Sea fish	NORTH SEA	Tc-99	Bq/kg	20	15	< 7.667 (4 - 14)	5	11.12 (5.2 - 29.3)
2022	North Sea fish	NORTH SEA	Th-228	Bq/kg	20	20	< 1.545 (0.8 - 2.4)	0	
2022	North Sea fish	NORTH SEA	U-238	Bq/kg	9	8	< 15.12 (6 - 22)	1	9
2022	North Sea fish	NORTH SEA	Zn-65	Bq/kg	20	20	< 2.81 (1.8 - 4)	0	
2022	North Sea aquatic plants	OOSTENDE	Ag-110m	Bq/kg	4	4	< 0.875 (0.7 - 1)	0	
2022	North Sea aquatic plants	OOSTENDE	Am-241	Bq/kg	4	4	< 0.0875 (0.06 - 0.11)	0	
2022	North Sea aquatic plants	OOSTENDE	Be-7	Bq/kg	4	0		4	14.1 (8 - 25)
2022	North Sea aquatic plants	OOSTENDE	Co-57	Bq/kg	4	4	< 0.65 (0.5 - 0.7)	0	
2022	North Sea aquatic plants	OOSTENDE	Co-58	Bq/kg	4	4	< 1.175 (0.9 - 1.3)	0	
2022	North Sea aquatic plants	OOSTENDE	Co-60	Bq/kg	4	4	< 0.975 (0.8 - 1.1)	0	
2022	North Sea aquatic plants	OOSTENDE	Cs-134	Bq/kg	4	4	< 0.85 (0.6 - 1)	0	
2022	North Sea aquatic plants	OOSTENDE	Cs-137	Bq/kg	4	4	< 0.9 (0.7 - 1)	0	
2022	North Sea aquatic plants	OOSTENDE	H-3	Bq/kg	4	4	< 8.25 (6 - 10)	0	
2022	North Sea aquatic plants	OOSTENDE	I-131	Bq/kg	4	4	< 13.75 (8 - 18)	0	
2022	North Sea aquatic plants	OOSTENDE	K-40	Bq/kg	4	0		4	1082 (900 - 1310)

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2022	North Sea aquatic plants	OOSTENDE	Mn-54	Bq/kg	4	4	< 0.95 (0.7 - 1.1)	0	
2022	North Sea aquatic plants	OOSTENDE	Pu(239+240)	Bq/kg	4	4	< 0.1125 (0.05 - 0.16)	0	
2022	North Sea aquatic plants	OOSTENDE	Pu-238	Bq/kg	4	4	< 0.1175 (0.06 - 0.14)	0	
2022	North Sea aquatic plants	OOSTENDE	Ra-226	Bq/kg	4	0		4	3.175 (2 - 4.3)
2022	North Sea aquatic plants	OOSTENDE	Ra-228	Bq/kg	4	0		4	6.025 (4.4 - 8.5)
2022	North Sea aquatic plants	OOSTENDE	Sr-90	Bq/kg	4	4	< 4.125 (2.7 - 6)	0	
2022	North Sea aquatic plants	OOSTENDE	Tc-99	Bq/kg	4	2	< 34 (28 - 40)	2	37 (35 - 39)
2022	North Sea aquatic plants	OOSTENDE	Th-228	Bq/kg	4	4	< 1.525 (0.9 - 1.8)	0	
2022	North Sea aquatic plants	OOSTENDE	Zn-65	Bq/kg	4	4	< 2.675 (2.2 - 3)	0	
2022	North Sea shrimps	OOSTENDE	Ag-110m	Bq/kg	4	4	< 0.925 (0.4 - 1.2)	0	
2022	North Sea shrimps	OOSTENDE	Am-241	Bq/kg	4	4	< 0.04575 (0.023 - 0.06)	0	
2022	North Sea shrimps	OOSTENDE	Be-7	Bq/kg	4	4	< 10 (4 - 16)	0	
2022	North Sea shrimps	OOSTENDE	Co-57	Bq/kg	4	4	< 0.625 (0.3 - 0.8)	0	
2022	North Sea shrimps	OOSTENDE	Co-58	Bq/kg	4	4	< 1.15 (0.5 - 1.7)	0	
2022	North Sea shrimps	OOSTENDE	Co-60	Bq/kg	4	4	< 0.875 (0.4 - 1.2)	0	
2022	North Sea shrimps	OOSTENDE	Cs-134	Bq/kg	4	4	< 0.825 (0.4 - 1.1)	0	
2022	North Sea shrimps	OOSTENDE	Cs-137	Bq/kg	4	3	< 0.9333 (0.4 - 1.3)	1	0.9
2022	North Sea shrimps	OOSTENDE	H-3	Bq/kg	4	1	< 11	3	24.33 (15 - 34)
2022	North Sea shrimps	OOSTENDE	I-131	Bq/kg	4	4	< 14.75 (4 - 28)	0	
2022	North Sea shrimps	OOSTENDE	K-40	Bq/kg	4	0		4	159.5 (152 - 173)
2022	North Sea shrimps	OOSTENDE	Mn-54	Bq/kg	4	4	< 0.9 (0.4 - 1.2)	0	
2022	North Sea shrimps	OOSTENDE	Pu(239+240)	Bq/kg	4	4	< 0.0475 (0.03 - 0.08)	0	
2022	North Sea shrimps	OOSTENDE	Pu-238	Bq/kg	4	4	< 0.0475 (0.04 - 0.06)	0	
2022	North Sea shrimps	OOSTENDE	Ra-226	Bq/kg	4	4	< 1.8 (0.8 - 2.6)	0	
2022	North Sea shrimps	OOSTENDE	Ra-228	Bq/kg	4	3	< 3.533 (1.6 - 5)	1	8
2022	North Sea shrimps	OOSTENDE	Sr-90	Bq/kg	4	4	< 3 (1.2 - 4)	0	
2022	North Sea shrimps	OOSTENDE	Th-228	Bq/kg	4	4	< 1.575 (0.7 - 2.4)	0	
2022	North Sea shrimps	OOSTENDE	Zn-65	Bq/kg	4	4	< 2.125 (1.1 - 3)	0	

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

Values are expressed in Bq/kg dry matter or Bq/liter. For control meals, all values are expressed in Bq/day per person, except C-14 that is expressed in Bq/g of stable carbone. An assumption is made that, on average, an adult eats 2,5 kg of food per day (DL: detection limit).

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2022	Drinking water	BASTOGNE-LIBRAMONT-FLORENVILLE	H-3	Bq/l	5	5	< 3.356 (2.85 - 4.321)	0	
2022	Drinking water	BASTOGNE-LIBRAMONT-FLORENVILLE	K-40	Bq/l	5	0		5	0.02415 (0.001172 - 0.03948)
2022	Drinking water	BASTOGNE-LIBRAMONT-FLORENVILLE	Ra-226	Bq/l	5	5	< 0.005533 (0.004319 - 0.007366)	0	
2022	Drinking water	BASTOGNE-LIBRAMONT-FLORENVILLE	R-Beta	Bq/l	5	4	< 0.04041 (0.0388 - 0.0421)	1	0.05422
2022	Drinking water	BASTOGNE-LIBRAMONT-FLORENVILLE	Rn-222	Bq/l	5	0		5	22.03 (6.37 - 31.66)
2022	Drinking water	BASTOGNE-LIBRAMONT-FLORENVILLE	T-Alfa	Bq/l	5	3	< 0.01483 (0.0117 - 0.01815)	2	0.01647 (0.01446 - 0.01849)
2022	Drinking water	BASTOGNE-LIBRAMONT-FLORENVILLE	T-Beta	Bq/l	5	0		5	0.0582 (0.0483 - 0.07746)
2022	Drinking water	BRUSSELS	H-3	Bq/l	4	2	< 6.5 (6 - 7)	2	21 (11 - 31)
2022	Drinking water	BRUSSELS	K-40	Bq/l	4	0		4	0.1 (0.089 - 0.115)
2022	Drinking water	BRUSSELS	R-Beta	Bq/l	4	2	< 0.045 (0.04 - 0.05)	2	0.07 (0.04 - 0.1)
2022	Drinking water	BRUSSELS	Rn-222	Bq/l	4	4	< 0.725 (0.4 - 1.1)	0	
2022	Drinking water	BRUSSELS	T-Alfa	Bq/l	4	4	< 0.0125 (0.011 - 0.014)	0	
2022	Drinking water	BRUSSELS	T-Beta	Bq/l	4	0		4	0.1475 (0.1 - 0.19)
2022	Drinking water	FLEURUS	H-3	Bq/l	5	5	< 3.321 (2.85 - 4.321)	0	
2022	Drinking water	FLEURUS	K-40	Bq/l	5	0		5	0.03785 (0.0161 - 0.0522)
2022	Drinking water	FLEURUS	Ra-226	Bq/l	5	0		5	0.06476 (0.02003 - 0.09022)
2022	Drinking water	FLEURUS	R-Beta	Bq/l	5	3	< 0.04295 (0.04207 - 0.04368)	2	0.06273 (0.0494 - 0.07607)
2022	Drinking water	FLEURUS	Rn-222	Bq/l	5	0		5	2.721 (1.666 - 4.241)
2022	Drinking water	FLEURUS	T-Alfa	Bq/l	5	0		5	0.1564 (0.03899 - 0.2137)
2022	Drinking water	FLEURUS	T-Beta	Bq/l	5	1	< 0.04207	4	0.09471 (0.0822 - 0.1016)
2022	Drinking water	GENT-SCHELDEWINDEKE	H-3	Bq/l	4	2	< 8 (7 - 9)	2	13 (13 - 13)
2022	Drinking water	GENT-SCHELDEWINDEKE	K-40	Bq/l	4	0		4	0.129 (0.095 - 0.173)
2022	Drinking water	GENT-SCHELDEWINDEKE	R-Beta	Bq/l	4	4	< 0.0375 (0.03 - 0.04)	0	
2022	Drinking water	GENT-SCHELDEWINDEKE	Rn-222	Bq/l	4	3	< 0.8333 (0.3 - 1.1)	1	2.9
2022	Drinking water	GENT-SCHELDEWINDEKE	T-Alfa	Bq/l	4	3	< 0.01233 (0.011 - 0.014)	1	0.014
2022	Drinking water	GENT-SCHELDEWINDEKE	T-Beta	Bq/l	4	0		4	0.1375 (0.11 - 0.19)
2022	Drinking water	HASSETL-ZEPPEREN	H-3	Bq/l	4	4	< 5.5 (4 - 7)	0	
2022	Drinking water	HASSETL-ZEPPEREN	K-40	Bq/l	4	0		4	0.09 (0.078 - 0.118)
2022	Drinking water	HASSETL-ZEPPEREN	R-Beta	Bq/l	4	4	< 0.035 (0.03 - 0.04)	0	
2022	Drinking water	HASSETL-ZEPPEREN	Rn-222	Bq/l	4	0		4	2.575 (1.9 - 3.2)
2022	Drinking water	HASSETL-ZEPPEREN	T-Alfa	Bq/l	4	1	< 0.013	3	0.02167 (0.019 - 0.024)
2022	Drinking water	HASSETL-ZEPPEREN	T-Beta	Bq/l	4	0		4	0.1 (0.07 - 0.12)
2022	Drinking water	LEUVEN	H-3	Bq/l	4	4	< 5.5 (4 - 7)	0	
2022	Drinking water	LEUVEN	K-40	Bq/l	4	0		4	0.078 (0.071 - 0.085)
2022	Drinking water	LEUVEN	R-Beta	Bq/l	4	4	< 0.0375 (0.03 - 0.04)	0	
2022	Drinking water	LEUVEN	Rn-222	Bq/l	4	0		4	6.275 (2.2 - 10.4)
2022	Drinking water	LEUVEN	T-Alfa	Bq/l	4	2	< 0.018 (0.017 - 0.019)	2	0.0235 (0.02 - 0.027)
2022	Drinking water	LEUVEN	T-Beta	Bq/l	4	0		4	0.1 (0.09 - 0.11)
2022	Drinking water	LIEGE	H-3	Bq/l	5	5	< 3.294 (2.85 - 4.322)	0	
2022	Drinking water	LIEGE	K-40	Bq/l	5	1	< 0.00015	4	0.07802 (0.07455 - 0.0844)
2022	Drinking water	LIEGE	Ra-226	Bq/l	5	5	< 0.00598 (0.004519 - 0.00733)	0	
2022	Drinking water	LIEGE	R-Beta	Bq/l	5	5	< 0.04345 (0.03934 - 0.04709)	0	
2022	Drinking water	LIEGE	Rn-222	Bq/l	5	1	< 0.416	4	12.39 (0.7537 - 46.84)
2022	Drinking water	LIEGE	T-Alfa	Bq/l	5	2	< 0.03034 (0.02937 - 0.0313)	3	0.05764 (0.04961 - 0.06904)
2022	Drinking water	LIEGE	T-Beta	Bq/l	5	1	< 0.04362	4	0.08943 (0.0687 - 0.1172)
2022	Drinking water	MOL	H-3	Bq/l	4	3	< 6 (5 - 7)	1	6
2022	Drinking water	MOL	K-40	Bq/l	4	0		4	0.1475 (0.139 - 0.159)
2022	Drinking water	MOL	R-Beta	Bq/l	4	3	< 0.04333 (0.04 - 0.05)	1	0.06
2022	Drinking water	MOL	Rn-222	Bq/l	4	0		4	1.788 (1.11 - 3)
2022	Drinking water	MOL	T-Alfa	Bq/l	4	4	< 0.013 (0.01 - 0.017)	0	
2022	Drinking water	MOL	T-Beta	Bq/l	4	0		4	0.17 (0.15 - 0.2)
2022	Drinking water	NAMUR	H-3	Bq/l	5	3	< 3.59 (3.054 - 4.454)	2	5.871 (5.112 - 6.63)
2022	Drinking water	NAMUR	K-40	Bq/l	5	0		5	0.09326 (0.05187 - 0.118)

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2022	Drinking water	NAMUR	Ra-226	Bq/l	5	5	< 0.005808 (0.005099 - 0.006505)	0	
2022	Drinking water	NAMUR	R-Beta	Bq/l	5	3	< 0.04299 (0.04069 - 0.0442)	2	0.05654 (0.04632 - 0.06676)
2022	Drinking water	NAMUR	Rn-222	Bq/l	5	2	< 0.4185 (0.4063 - 0.4307)	3	12.66 (0.5642 - 21)
2022	Drinking water	NAMUR	T-Alfa	Bq/l	5	3	< 0.02372 (0.02122 - 0.0271)	2	0.03413 (0.0304 - 0.03786)
2022	Drinking water	NAMUR	T-Beta	Bq/l	5	0		5	0.1356 (0.09819 - 0.1745)
2022	Drinking water	POPERINGE	H-3	Bq/l	4	4	< 6.75 (4 - 9)	0	
2022	Drinking water	POPERINGE	K-40	Bq/l	4	0		4	0.1616 (0.0134 - 0.43)
2022	Drinking water	POPERINGE	R-Beta	Bq/l	4	4	< 0.0475 (0.03 - 0.07)	0	
2022	Drinking water	POPERINGE	Rn-222	Bq/l	4	3	< 0.8333 (0.3 - 1.1)	1	1.15
2022	Drinking water	POPERINGE	T-Alfa	Bq/l	4	4	< 0.015 (0.012 - 0.019)	0	
2022	Drinking water	POPERINGE	T-Beta	Bq/l	4	1	< 0.05	3	0.23 (0.06 - 0.47)
2022	Drinking water	RENINGELST	H-3	Bq/l	4	4	< 6.75 (4 - 9)	0	
2022	Drinking water	RENINGELST	K-40	Bq/l	4	0		4	0.179 (0.159 - 0.201)
2022	Drinking water	RENINGELST	R-Beta	Bq/l	4	2	< 0.045 (0.04 - 0.05)	2	0.055 (0.04 - 0.07)
2022	Drinking water	RENINGELST	Rn-222	Bq/l	4	1	< 0.4	3	2.063 (1.39 - 2.7)
2022	Drinking water	RENINGELST	T-Alfa	Bq/l	4	0		4	0.1075 (0.08 - 0.151)
2022	Drinking water	RENINGELST	T-Beta	Bq/l	4	0		4	0.2225 (0.18 - 0.26)
2022	Drinking water	WAVRE	H-3	Bq/l	4	4	< 3.474 (3.097 - 4.45)	0	
2022	Drinking water	WAVRE	K-40	Bq/l	4	0		4	0.1177 (0.04866 - 0.1523)
2022	Drinking water	WAVRE	Ra-226	Bq/l	4	1	< 0.005033	3	0.009223 (0.008127 - 0.01007)
2022	Drinking water	WAVRE	R-Beta	Bq/l	4	3	< 0.04311 (0.04185 - 0.04465)	1	0.098
2022	Drinking water	WAVRE	Rn-222	Bq/l	4	0		4	15.18 (13.24 - 16.89)
2022	Drinking water	WAVRE	T-Alfa	Bq/l	4	1	< 0.03049	3	0.04405 (0.03036 - 0.06289)
2022	Drinking water	WAVRE	T-Beta	Bq/l	4	1	< 0.04185	3	0.1394 (0.04771 - 0.23)
2022	Fish (from fresh & sea water)	DROGENBOS	Ag-110m	Bq/kg	13	13	< 0.8231 (0.5 - 1.2)	0	
2022	Fish (from fresh & sea water)	DROGENBOS	Be-7	Bq/kg	13	13	< 8.385 (5 - 12)	0	
2022	Fish (from fresh & sea water)	DROGENBOS	Co-57	Bq/kg	13	13	< 0.4769 (0.22 - 0.8)	0	
2022	Fish (from fresh & sea water)	DROGENBOS	Co-58	Bq/kg	13	13	< 1.008 (0.6 - 1.4)	0	
2022	Fish (from fresh & sea water)	DROGENBOS	Co-60	Bq/kg	13	13	< 0.8231 (0.5 - 1.2)	0	
2022	Fish (from fresh & sea water)	DROGENBOS	Cs-134	Bq/kg	13	13	< 0.6923 (0.4 - 1.1)	0	
2022	Fish (from fresh & sea water)	DROGENBOS	Cs-137	Bq/kg	13	10	< 0.85 (0.5 - 1.3)	3	0.7667 (0.46 - 1.1)
2022	Fish (from fresh & sea water)	DROGENBOS	K-40	Bq/kg	13	0		13	432.3 (340 - 520)
2022	Fish (from fresh & sea water)	DROGENBOS	Mn-54	Bq/kg	13	13	< 0.7923 (0.5 - 1.2)	0	
2022	Fish (from fresh & sea water)	DROGENBOS	Ra-226	Bq/kg	13	13	< 1.438 (0.8 - 2.2)	0	
2022	Fish (from fresh & sea water)	DROGENBOS	Ra-228	Bq/kg	13	13	< 3.031 (1.9 - 5)	0	
2022	Fish (from fresh & sea water)	DROGENBOS	Sr-90	Bq/kg	4	4	< 1.8 (1.6 - 1.9)	0	
2022	Fish (from fresh & sea water)	DROGENBOS	Th-228	Bq/kg	13	13	< 1.185 (0.6 - 1.8)	0	
2022	Fish (from fresh & sea water)	DROGENBOS	Zn-65	Bq/kg	13	13	< 2.1 (1.3 - 3)	0	
2022	Fish (from fresh & sea water)	FLEURUS	Ag-110m	Bq/kg	13	13	< 2.192 (1.236 - 2.959)	0	
2022	Fish (from fresh & sea water)	FLEURUS	Be-7	Bq/kg	13	13	< 28.69 (13.79 - 43.33)	0	
2022	Fish (from fresh & sea water)	FLEURUS	Co-57	Bq/kg	13	13	< 0.995 (0.5265 - 1.438)	0	
2022	Fish (from fresh & sea water)	FLEURUS	Co-58	Bq/kg	13	13	< 3.094 (1.666 - 4.187)	0	
2022	Fish (from fresh & sea water)	FLEURUS	Co-60	Bq/kg	13	13	< 2.074 (1.251 - 2.607)	0	
2022	Fish (from fresh & sea water)	FLEURUS	Cs-134	Bq/kg	13	13	< 1.78 (1.104 - 2.377)	0	
2022	Fish (from fresh & sea water)	FLEURUS	Cs-137	Bq/kg	13	9	< 1.642 (0.8854 - 2.089)	4	1.677 (1.323 - 1.963)
2022	Fish (from fresh & sea water)	FLEURUS	K-40	Bq/kg	13	0		13	404.8 (168.4 - 506.8)
2022	Fish (from fresh & sea water)	FLEURUS	Mn-54	Bq/kg	13	13	< 1.97 (1.271 - 2.696)	0	
2022	Fish (from fresh & sea water)	FLEURUS	Ra-226	Bq/kg	13	10	< 3.252 (2.243 - 4.4)	3	3.49 (2.871 - 3.849)
2022	Fish (from fresh & sea water)	FLEURUS	Ra-228	Bq/kg	13	13	< 7.266 (4.822 - 10.04)	0	
2022	Fish (from fresh & sea water)	FLEURUS	Sr-90	Bq/kg	4	4	< 0.08685 (0.07594 - 0.09818)	0	
2022	Fish (from fresh & sea water)	FLEURUS	Th-228	Bq/kg	13	13	< 2.71 (1.488 - 4.151)	0	
2022	Fish (from fresh & sea water)	FLEURUS	Zn-65	Bq/kg	13	13	< 4.89 (2.982 - 6.177)	0	
2022	Fish (from fresh & sea water)	MOL	Ag-110m	Bq/kg	12	12	< 0.85 (0.5 - 1.6)	0	
2022	Fish (from fresh & sea water)	MOL	Be-7	Bq/kg	12	12	< 9.75 (5 - 19)	0	
2022	Fish (from fresh & sea water)	MOL	Co-57	Bq/kg	12	12	< 0.5075 (0.22 - 0.9)	0	
2022	Fish (from fresh & sea water)	MOL	Co-58	Bq/kg	12	12	< 1.108 (0.6 - 2.1)	0	
2022	Fish (from fresh & sea water)	MOL	Co-60	Bq/kg	12	12	< 0.85 (0.5 - 1.5)	0	



Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2022	Fish (from fresh & sea water)	MOL	Cs-134	Bq/kg	12	12	< 0.7333 (0.4 - 1.4)	0	
2022	Fish (from fresh & sea water)	MOL	Cs-137	Bq/kg	12	11	< 0.8273 (0.3 - 1.5)	1	0.35
2022	Fish (from fresh & sea water)	MOL	K-40	Bq/kg	12	1	< 28	11	448.2 (340 - 520)
2022	Fish (from fresh & sea water)	MOL	Mn-54	Bq/kg	12	12	< 0.8167 (0.5 - 1.5)	0	
2022	Fish (from fresh & sea water)	MOL	Ra-226	Bq/kg	12	12	< 1.5 (0.8 - 3)	0	
2022	Fish (from fresh & sea water)	MOL	Ra-228	Bq/kg	12	12	< 3.075 (1.9 - 6)	0	
2022	Fish (from fresh & sea water)	MOL	Sr-90	Bq/kg	4	4	< 1.7 (0.9 - 2.8)	0	
2022	Fish (from fresh & sea water)	MOL	Th-228	Bq/kg	12	11	< 2.136 (0.6 - 12)	1	3.1
2022	Fish (from fresh & sea water)	MOL	U-238	Bq/kg	1	1	< 15	0	
2022	Fish (from fresh & sea water)	MOL	Zn-65	Bq/kg	12	12	< 2.233 (1.4 - 4)	0	
2022	Fruits vegetables	DROGENBOS	Ag-110m	Bq/kg	13	13	< 0.9838 (0.29 - 1.6)	0	
2022	Fruits vegetables	DROGENBOS	Be-7	Bq/kg	13	11	< 10.64 (3 - 17)	2	33.45 (3.9 - 63)
2022	Fruits vegetables	DROGENBOS	Co-57	Bq/kg	13	13	< 0.5646 (0.14 - 1)	0	
2022	Fruits vegetables	DROGENBOS	Co-58	Bq/kg	13	13	< 1.292 (0.4 - 2.2)	0	
2022	Fruits vegetables	DROGENBOS	Co-60	Bq/kg	13	13	< 1.085 (0.4 - 2.1)	0	
2022	Fruits vegetables	DROGENBOS	Cs-134	Bq/kg	13	13	< 0.8669 (0.27 - 1.5)	0	
2022	Fruits vegetables	DROGENBOS	Cs-137	Bq/kg	13	13	< 1 (0.3 - 1.6)	0	
2022	Fruits vegetables	DROGENBOS	K-40	Bq/kg	13	0		13	801.2 (209 - 1460)
2022	Fruits vegetables	DROGENBOS	Mn-54	Bq/kg	13	13	< 1.031 (0.3 - 1.8)	0	
2022	Fruits vegetables	DROGENBOS	Ra-226	Bq/kg	13	13	< 1.715 (0.5 - 2.7)	0	
2022	Fruits vegetables	DROGENBOS	Ra-228	Bq/kg	13	13	< 4.077 (1.3 - 7)	0	
2022	Fruits vegetables	DROGENBOS	Sr-90	Bq/kg	4	4	< 2.25 (0.8 - 3)	0	
2022	Fruits vegetables	DROGENBOS	Th-228	Bq/kg	13	13	< 1.408 (0.4 - 2.7)	0	
2022	Fruits vegetables	DROGENBOS	U-238	Bq/kg	1	1	< 11	0	
2022	Fruits vegetables	DROGENBOS	Zn-65	Bq/kg	13	13	< 2.815 (0.9 - 5)	0	
2022	Fruits vegetables	FLEURUS	Ag-110m	Bq/kg	13	13	< 4.805 (2.672 - 8.298)	0	
2022	Fruits vegetables	FLEURUS	Be-7	Bq/kg	13	13	< 51 (27.35 - 97.36)	0	
2022	Fruits vegetables	FLEURUS	Co-57	Bq/kg	13	13	< 1.971 (1.176 - 3.369)	0	
2022	Fruits vegetables	FLEURUS	Co-58	Bq/kg	13	13	< 6.015 (3.06 - 12.09)	0	
2022	Fruits vegetables	FLEURUS	Co-60	Bq/kg	13	13	< 4.644 (2.475 - 8.458)	0	
2022	Fruits vegetables	FLEURUS	Cs-134	Bq/kg	13	13	< 3.84 (2.165 - 7.101)	0	
2022	Fruits vegetables	FLEURUS	Cs-137	Bq/kg	13	12	< 3.835 (1.557 - 6.578)	1	1.858
2022	Fruits vegetables	FLEURUS	K-40	Bq/kg	13	0		13	996.8 (647.6 - 1392)
2022	Fruits vegetables	FLEURUS	Mn-54	Bq/kg	13	13	< 4.252 (2.22 - 7.887)	0	
2022	Fruits vegetables	FLEURUS	Ra-226	Bq/kg	13	10	< 8.194 (4.219 - 13.27)	3	5.2 (4.537 - 5.789)
2022	Fruits vegetables	FLEURUS	Ra-228	Bq/kg	13	13	< 16.14 (8.065 - 28.08)	0	
2022	Fruits vegetables	FLEURUS	Sr-90	Bq/kg	4	0		4	0.2123 (0.1276 - 0.2744)
2022	Fruits vegetables	FLEURUS	Th-228	Bq/kg	13	13	< 5.545 (3.259 - 10.07)	0	
2022	Fruits vegetables	FLEURUS	Zn-65	Bq/kg	13	13	< 10.18 (5.655 - 16.91)	0	
2022	Fruits vegetables	MOL	Ag-110m	Bq/kg	12	12	< 1.033 (0.6 - 1.5)	0	
2022	Fruits vegetables	MOL	Be-7	Bq/kg	12	12	< 12.67 (8 - 18)	0	
2022	Fruits vegetables	MOL	Co-57	Bq/kg	12	12	< 0.6083 (0.3 - 1)	0	
2022	Fruits vegetables	MOL	Co-58	Bq/kg	12	12	< 1.442 (0.8 - 1.9)	0	
2022	Fruits vegetables	MOL	Co-60	Bq/kg	12	12	< 1.117 (0.6 - 1.5)	0	
2022	Fruits vegetables	MOL	Cs-134	Bq/kg	12	12	< 0.9 (0.6 - 1.2)	0	
2022	Fruits vegetables	MOL	Cs-137	Bq/kg	12	12	< 1.008 (0.6 - 1.4)	0	
2022	Fruits vegetables	MOL	K-40	Bq/kg	12	0		12	788.3 (320 - 1190)
2022	Fruits vegetables	MOL	Mn-54	Bq/kg	12	12	< 1.075 (0.6 - 1.4)	0	
2022	Fruits vegetables	MOL	Ra-226	Bq/kg	12	12	< 1.842 (1.3 - 2.4)	0	
2022	Fruits vegetables	MOL	Ra-228	Bq/kg	12	12	< 4.117 (2.4 - 5)	0	
2022	Fruits vegetables	MOL	Sr-90	Bq/kg	4	4	< 2.625 (1.7 - 3)	0	
2022	Fruits vegetables	MOL	Th-228	Bq/kg	12	12	< 1.533 (0.9 - 2.2)	0	
2022	Fruits vegetables	MOL	U-238	Bq/kg	2	2	< 19 (15 - 23)	0	
2022	Fruits vegetables	MOL	Zn-65	Bq/kg	12	12	< 2.983 (1.6 - 4)	0	
2022	Meat animal products	DROGENBOS	Ag-110m	Bq/kg	13	13	< 0.7223 (0.29 - 1.2)	0	
2022	Meat animal products	DROGENBOS	Be-7	Bq/kg	13	13	< 7.923 (3 - 14)	0	
2022	Meat animal products	DROGENBOS	Co-57	Bq/kg	13	13	< 0.4162 (0.15 - 0.9)	0	

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2022	Meat animal products	DROGENBOS	Co-58	Bq/kg	13	13	< 0.9385 (0.4 - 1.5)	0	
2022	Meat animal products	DROGENBOS	Co-60	Bq/kg	13	13	< 0.8 (0.3 - 1.1)	0	
2022	Meat animal products	DROGENBOS	Cs-134	Bq/kg	13	13	< 0.6508 (0.26 - 1.1)	0	
2022	Meat animal products	DROGENBOS	Cs-137	Bq/kg	13	11	< 0.6909 (0.3 - 1)	2	0.9 (0.7 - 1.1)
2022	Meat animal products	DROGENBOS	K-40	Bq/kg	13	0		13	419.2 (229 - 490)
2022	Meat animal products	DROGENBOS	Mn-54	Bq/kg	13	13	< 0.73 (0.29 - 1.2)	0	
2022	Meat animal products	DROGENBOS	Ra-226	Bq/kg	13	13	< 1.315 (0.5 - 2.2)	0	
2022	Meat animal products	DROGENBOS	Ra-228	Bq/kg	13	12	< 2.9 (1.3 - 4)	1	2.6
2022	Meat animal products	DROGENBOS	Sr-90	Bq/kg	4	4	< 1.775 (1.2 - 2.5)	0	
2022	Meat animal products	DROGENBOS	Th-228	Bq/kg	13	13	< 1.054 (0.4 - 2)	0	
2022	Meat animal products	DROGENBOS	Zn-65	Bq/kg	13	13	< 2.038 (0.9 - 3)	0	
2022	Meat animal products	FLEURUS	Ag-110m	Bq/kg	13	13	< 2.027 (1.771 - 2.462)	0	
2022	Meat animal products	FLEURUS	Be-7	Bq/kg	13	13	< 23.34 (19.37 - 34.99)	0	
2022	Meat animal products	FLEURUS	Co-57	Bq/kg	13	13	< 0.935 (0.7883 - 1.185)	0	
2022	Meat animal products	FLEURUS	Co-58	Bq/kg	13	13	< 2.548 (2.12 - 3.291)	0	
2022	Meat animal products	FLEURUS	Co-60	Bq/kg	13	13	< 1.886 (1.563 - 2.457)	0	
2022	Meat animal products	FLEURUS	Cs-134	Bq/kg	13	13	< 1.638 (1.436 - 1.934)	0	
2022	Meat animal products	FLEURUS	Cs-137	Bq/kg	13	9	< 1.464 (0.979 - 1.841)	4	1.56 (1.347 - 1.785)
2022	Meat animal products	FLEURUS	K-40	Bq/kg	13	0		13	427.7 (362.8 - 465.1)
2022	Meat animal products	FLEURUS	Mn-54	Bq/kg	13	13	< 1.735 (1.423 - 2.176)	0	
2022	Meat animal products	FLEURUS	Ra-226	Bq/kg	13	11	< 3.182 (2.39 - 4.091)	2	3.537 (3.45 - 3.624)
2022	Meat animal products	FLEURUS	Ra-228	Bq/kg	13	13	< 6.523 (5.191 - 8.249)	0	
2022	Meat animal products	FLEURUS	Sr-90	Bq/kg	4	4	< 0.09744 (0.06552 - 0.1387)	0	
2022	Meat animal products	FLEURUS	Th-228	Bq/kg	13	13	< 2.553 (2.05 - 3.368)	0	
2022	Meat animal products	FLEURUS	Zn-65	Bq/kg	13	13	< 4.237 (3.654 - 5.11)	0	
2022	Meat animal products	MOL	Ag-110m	Bq/kg	12	12	< 0.75 (0.5 - 1.3)	0	
2022	Meat animal products	MOL	Be-7	Bq/kg	12	12	< 8.833 (4 - 17)	0	
2022	Meat animal products	MOL	Co-57	Bq/kg	12	12	< 0.465 (0.19 - 1)	0	
2022	Meat animal products	MOL	Co-58	Bq/kg	12	12	< 1.083 (0.7 - 2)	0	
2022	Meat animal products	MOL	Co-60	Bq/kg	12	12	< 0.8083 (0.6 - 1.4)	0	
2022	Meat animal products	MOL	Cs-134	Bq/kg	12	12	< 0.6833 (0.4 - 1.3)	0	
2022	Meat animal products	MOL	Cs-137	Bq/kg	12	11	< 0.7455 (0.5 - 1.3)	1	0.9
2022	Meat animal products	MOL	K-40	Bq/kg	12	0		12	440.8 (400 - 490)
2022	Meat animal products	MOL	Mn-54	Bq/kg	12	12	< 0.775 (0.5 - 1.5)	0	
2022	Meat animal products	MOL	Ra-226	Bq/kg	12	12	< 1.275 (0.7 - 2.5)	0	
2022	Meat animal products	MOL	Ra-228	Bq/kg	12	12	< 2.95 (1.9 - 5)	0	
2022	Meat animal products	MOL	Sr-90	Bq/kg	4	4	< 1.8 (1 - 2.7)	0	
2022	Meat animal products	MOL	Th-228	Bq/kg	12	12	< 1.058 (0.6 - 2.2)	0	
2022	Meat animal products	MOL	U-238	Bq/kg	1	1	< 11	0	
2022	Meat animal products	MOL	Zn-65	Bq/kg	12	12	< 2.167 (1.4 - 4)	0	
2022	Milk cow	BEERSEL	Cs-137	Bq/l	51	51	< 0.1048 (0.011 - 0.27)	0	
2022	Milk cow	BEERSEL	I-131	Bq/l	51	51	< 0.8795 (0.0015 - 17)	0	
2022	Milk cow	BEERSEL	K-40	Bq/l	51	0		51	50.88 (43 - 57)
2022	Milk cow	BEERSEL	Sr-90	Bq/l	13	13	< 0.04462 (0.03 - 0.07)	0	
2022	Milk cow	BEVEREN	Cs-137	Bq/l	52	52	< 0.1772 (0.013 - 0.26)	0	
2022	Milk cow	BEVEREN	I-131	Bq/l	52	52	< 0.222 (0.0014 - 0.3)	0	
2022	Milk cow	BEVEREN	K-40	Bq/l	51	0		51	47.04 (41 - 52)
2022	Milk cow	BEVEREN	Sr-90	Bq/l	13	13	< 0.04462 (0.03 - 0.07)	0	
2022	Milk cow	CHOOZ	Cs-137	Bq/l	52	52	< 0.718 (0.5168 - 0.8168)	0	
2022	Milk cow	CHOOZ	I-131	Bq/l	52	52	< 3.053 (1.265 - 32.31)	0	
2022	Milk cow	CHOOZ	K-40	Bq/l	52	0		52	47.04 (38.89 - 59.46)
2022	Milk cow	CHOOZ	Sr-90	Bq/l	13	13	< 0.03279 (0.02244 - 0.08506)	0	
2022	Milk cow	FLEURUS	Cs-137	Bq/l	52	52	< 0.7191 (0.6543 - 0.8316)	0	
2022	Milk cow	FLEURUS	I-131	Bq/l	52	52	< 3.099 (1.502 - 35.13)	0	
2022	Milk cow	FLEURUS	K-40	Bq/l	52	0		52	46.58 (36.31 - 55.72)
2022	Milk cow	FLEURUS	Sr-90	Bq/l	13	12	< 0.02996 (0.02227 - 0.04871)	1	0.02881
2022	Milk cow	MOL-DESSSEL	Cs-137	Bq/l	52	52	< 0.1962 (0.012 - 0.29)	0	

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2022	Milk cow	MOL-DESSEL	I-131	Bq/l	52	52	< 0.2298 (0.08 - 0.6)	0	
2022	Milk cow	MOL-DESSEL	K-40	Bq/l	52	0		52	47.33 (42 - 54)
2022	Milk cow	MOL-DESSEL	Sr-90	Bq/l	13	13	< 0.04385 (0.03 - 0.07)	0	
2022	Milk cow	TIHANGE	Cs-137	Bq/l	52	52	< 0.7095 (0.5122 - 0.8136)	0	
2022	Milk cow	TIHANGE	I-131	Bq/l	52	52	< 3.191 (1.363 - 36.37)	0	
2022	Milk cow	TIHANGE	K-40	Bq/l	52	0		52	47.84 (37.91 - 58.59)
2022	Milk cow	TIHANGE	Sr-90	Bq/l	13	11	< 0.03572 (0.01882 - 0.132)	2	0.09447 (0.04314 - 0.1458)
2022	Mixed diet (controls meals)	DROGENBOS	Ag-110m	Bq/day per person	13	13	< 0.3677 (0.2585 - 0.5938)	0	
2022	Mixed diet (controls meals)	DROGENBOS	Ag-110m	Bq/kg	13	13	< 0.6154 (0.4 - 1.2)	0	
2022	Mixed diet (controls meals)	DROGENBOS	Ag-110m	Bq/meal	13	13	< 0.1226 (0.08616 - 0.1979)	0	
2022	Mixed diet (controls meals)	DROGENBOS	Be-7	Bq/day per person	13	13	< 4.309 (2.585 - 7.423)	0	
2022	Mixed diet (controls meals)	DROGENBOS	Be-7	Bq/kg	13	13	< 7.231 (4 - 15)	0	
2022	Mixed diet (controls meals)	DROGENBOS	Be-7	Bq/meal	13	13	< 1.436 (0.8616 - 2.474)	0	
2022	Mixed diet (controls meals)	DROGENBOS	C-14	Bq/g of stable carbon	4	0		4	0.2218 (0.175 - 0.302)
2022	Mixed diet (controls meals)	DROGENBOS	Co-57	Bq/day per person	13	13	< 0.2351 (0.1099 - 0.4401)	0	
2022	Mixed diet (controls meals)	DROGENBOS	Co-57	Bq/kg	13	13	< 0.3946 (0.17 - 0.8)	0	
2022	Mixed diet (controls meals)	DROGENBOS	Co-57	Bq/meal	13	13	< 0.07838 (0.03662 - 0.1467)	0	
2022	Mixed diet (controls meals)	DROGENBOS	Co-58	Bq/day per person	13	13	< 0.4728 (0.3231 - 0.7423)	0	
2022	Mixed diet (controls meals)	DROGENBOS	Co-58	Bq/kg	13	13	< 0.7923 (0.5 - 1.5)	0	
2022	Mixed diet (controls meals)	DROGENBOS	Co-58	Bq/meal	13	13	< 0.1576 (0.1077 - 0.2474)	0	
2022	Mixed diet (controls meals)	DROGENBOS	Co-60	Bq/day per person	13	13	< 0.3854 (0.2403 - 0.6433)	0	
2022	Mixed diet (controls meals)	DROGENBOS	Co-60	Bq/kg	13	13	< 0.6462 (0.4 - 1.3)	0	
2022	Mixed diet (controls meals)	DROGENBOS	Co-60	Bq/meal	13	13	< 0.1285 (0.08011 - 0.2144)	0	
2022	Mixed diet (controls meals)	DROGENBOS	Cs-134	Bq/day per person	13	13	< 0.3374 (0.1939 - 0.5938)	0	
2022	Mixed diet (controls meals)	DROGENBOS	Cs-134	Bq/kg	13	13	< 0.5692 (0.3 - 1.2)	0	
2022	Mixed diet (controls meals)	DROGENBOS	Cs-134	Bq/meal	13	13	< 0.1125 (0.06462 - 0.1979)	0	
2022	Mixed diet (controls meals)	DROGENBOS	Cs-137	Bq/day per person	13	13	< 0.3715 (0.2585 - 0.6433)	0	
2022	Mixed diet (controls meals)	DROGENBOS	Cs-137	Bq/kg	13	13	< 0.6231 (0.4 - 1.3)	0	
2022	Mixed diet (controls meals)	DROGENBOS	Cs-137	Bq/meal	13	13	< 0.1238 (0.08616 - 0.2144)	0	
2022	Mixed diet (controls meals)	DROGENBOS	K-40	Bq/day per person	13	0		13	122.4 (71.44 - 159.5)
2022	Mixed diet (controls meals)	DROGENBOS	K-40	Bq/kg	13	0		13	198.1 (151 - 270)
2022	Mixed diet (controls meals)	DROGENBOS	K-40	Bq/meal	13	0		13	40.8 (23.81 - 53.15)
2022	Mixed diet (controls meals)	DROGENBOS	Mn-54	Bq/day per person	13	13	< 0.3799 (0.2403 - 0.6433)	0	
2022	Mixed diet (controls meals)	DROGENBOS	Mn-54	Bq/kg	13	13	< 0.6385 (0.4 - 1.3)	0	
2022	Mixed diet (controls meals)	DROGENBOS	Mn-54	Bq/meal	13	13	< 0.1266 (0.08011 - 0.2144)	0	
2022	Mixed diet (controls meals)	DROGENBOS	Ra-226	Bq/day per person	13	13	< 0.6765 (0.4446 - 1.188)	0	
2022	Mixed diet (controls meals)	DROGENBOS	Ra-226	Bq/kg	13	13	< 1.138 (0.6 - 2.4)	0	
2022	Mixed diet (controls meals)	DROGENBOS	Ra-226	Bq/meal	13	13	< 0.2255 (0.1482 - 0.3959)	0	
2022	Mixed diet (controls meals)	DROGENBOS	Ra-228	Bq/day per person	13	13	< 1.473 (1.021 - 2.474)	0	
2022	Mixed diet (controls meals)	DROGENBOS	Ra-228	Bq/kg	13	13	< 2.469 (1.6 - 5)	0	
2022	Mixed diet (controls meals)	DROGENBOS	Ra-228	Bq/meal	13	13	< 0.4909 (0.3405 - 0.8248)	0	
2022	Mixed diet (controls meals)	DROGENBOS	Sr-90	Bq/day per person	4	4	< 0.04749 (0.03322 - 0.06089)	0	
2022	Mixed diet (controls meals)	DROGENBOS	Sr-90	Bq/kg	4	4	< 0.0775 (0.05 - 0.09)	0	
2022	Mixed diet (controls meals)	DROGENBOS	Sr-90	Bq/meal	4	4	< 0.01583 (0.01107 - 0.0203)	0	
2022	Mixed diet (controls meals)	DROGENBOS	Th-228	Bq/day per person	13	13	< 0.5606 (0.3231 - 1.045)	0	
2022	Mixed diet (controls meals)	DROGENBOS	Th-228	Bq/kg	13	13	< 0.9385 (0.5 - 1.9)	0	
2022	Mixed diet (controls meals)	DROGENBOS	Th-228	Bq/meal	13	13	< 0.1869 (0.1077 - 0.3484)	0	
2022	Mixed diet (controls meals)	DROGENBOS	Zn-65	Bq/day per person	13	13	< 0.9626 (0.6008 - 1.485)	0	
2022	Mixed diet (controls meals)	DROGENBOS	Zn-65	Bq/kg	13	13	< 1.608 (1 - 3)	0	
2022	Mixed diet (controls meals)	DROGENBOS	Zn-65	Bq/meal	13	13	< 0.3209 (0.2003 - 0.4951)	0	
2022	Mixed diet (controls meals)	FLEURUS	Ag-110m	Bq/day per person	14	14	< 2.97 (0.9046 - 12.32)	0	
2022	Mixed diet (controls meals)	FLEURUS	Ag-110m	Bq/kg	14	14	< 3.521 (1.689 - 6.566)	0	
2022	Mixed diet (controls meals)	FLEURUS	Ag-110m	Bq/meal	14	14	< 0.9901 (0.3015 - 4.108)	0	
2022	Mixed diet (controls meals)	FLEURUS	Be-7	Bq/day per person	14	14	< 31.17 (9.034 - 122.2)	0	
2022	Mixed diet (controls meals)	FLEURUS	Be-7	Bq/kg	14	14	< 37.22 (16.87 - 61.49)	0	
2022	Mixed diet (controls meals)	FLEURUS	Be-7	Bq/meal	14	14	< 10.39 (3.011 - 40.75)	0	
2022	Mixed diet (controls meals)	FLEURUS	C-14	Bq/g of stable carbon	4	0		4	0.2218 (0.1885 - 0.2464)

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2022	Mixed diet (controls meals)	FLEURUS	Co-57	Bq/day per person	14	14	< 1.223 (0.4644 - 4.375)	0	
2022	Mixed diet (controls meals)	FLEURUS	Co-57	Bq/kg	14	14	< 1.492 (0.7961 - 2.469)	0	
2022	Mixed diet (controls meals)	FLEURUS	Co-57	Bq/meal	14	14	< 0.4076 (0.1548 - 1.458)	0	
2022	Mixed diet (controls meals)	FLEURUS	Co-58	Bq/day per person	14	14	< 3.441 (1.049 - 13.92)	0	
2022	Mixed diet (controls meals)	FLEURUS	Co-58	Bq/kg	14	14	< 4.12 (1.958 - 7.801)	0	
2022	Mixed diet (controls meals)	FLEURUS	Co-58	Bq/meal	14	14	< 1.147 (0.3495 - 4.642)	0	
2022	Mixed diet (controls meals)	FLEURUS	Co-60	Bq/day per person	14	14	< 2.733 (0.8043 - 11.45)	0	
2022	Mixed diet (controls meals)	FLEURUS	Co-60	Bq/kg	14	14	< 3.247 (1.502 - 6.259)	0	
2022	Mixed diet (controls meals)	FLEURUS	Co-60	Bq/meal	14	14	< 0.911 (0.2681 - 3.817)	0	
2022	Mixed diet (controls meals)	FLEURUS	Cs-134	Bq/day per person	14	14	< 2.396 (0.7565 - 9.7)	0	
2022	Mixed diet (controls meals)	FLEURUS	Cs-134	Bq/kg	14	14	< 2.852 (1.312 - 5.209)	0	
2022	Mixed diet (controls meals)	FLEURUS	Cs-134	Bq/meal	14	14	< 0.7986 (0.2522 - 3.233)	0	
2022	Mixed diet (controls meals)	FLEURUS	Cs-137	Bq/day per person	14	14	< 2.337 (0.7536 - 9.55)	0	
2022	Mixed diet (controls meals)	FLEURUS	Cs-137	Bq/kg	14	14	< 2.793 (1.078 - 5.396)	0	
2022	Mixed diet (controls meals)	FLEURUS	Cs-137	Bq/meal	14	14	< 0.7789 (0.2512 - 3.183)	0	
2022	Mixed diet (controls meals)	FLEURUS	I-131	Bq/day per person	12	12	< 262.5 (34 - 690.6)	0	
2022	Mixed diet (controls meals)	FLEURUS	I-131	Bq/kg	12	12	< 324.1 (51.81 - 889.6)	0	
2022	Mixed diet (controls meals)	FLEURUS	I-131	Bq/meal	12	12	< 87.51 (11.33 - 230.2)	0	
2022	Mixed diet (controls meals)	FLEURUS	K-40	Bq/day per person	14	0		14	200.9 (91.32 - 777.5)
2022	Mixed diet (controls meals)	FLEURUS	K-40	Bq/kg	14	0		14	248.3 (144.9 - 446.7)
2022	Mixed diet (controls meals)	FLEURUS	K-40	Bq/meal	14	0		14	66.98 (30.44 - 259.2)
2022	Mixed diet (controls meals)	FLEURUS	Mn-54	Bq/day per person	14	14	< 2.509 (0.783 - 10.6)	0	
2022	Mixed diet (controls meals)	FLEURUS	Mn-54	Bq/kg	14	14	< 2.983 (1.462 - 6.093)	0	
2022	Mixed diet (controls meals)	FLEURUS	Mn-54	Bq/meal	14	14	< 0.8363 (0.261 - 3.533)	0	
2022	Mixed diet (controls meals)	FLEURUS	Nb-95	Bq/day per person	13	13	< 5.894 (1.704 - 22.38)	0	
2022	Mixed diet (controls meals)	FLEURUS	Nb-95	Bq/kg	13	13	< 6.977 (3.181 - 12.28)	0	
2022	Mixed diet (controls meals)	FLEURUS	Nb-95	Bq/meal	13	13	< 1.965 (0.568 - 7.458)	0	
2022	Mixed diet (controls meals)	FLEURUS	Ra-226	Bq/day per person	14	12	< 5.03 (1.773 - 18.05)	2	1.997 (1.335 - 2.658)
2022	Mixed diet (controls meals)	FLEURUS	Ra-226	Bq/kg	14	12	< 5.936 (2.38 - 10.47)	2	3.149 (2.493 - 3.805)
2022	Mixed diet (controls meals)	FLEURUS	Ra-226	Bq/meal	14	12	< 1.677 (0.591 - 6.017)	2	0.6656 (0.4451 - 0.886)
2022	Mixed diet (controls meals)	FLEURUS	Ra-228	Bq/day per person	14	14	< 9.396 (2.898 - 38.5)	0	
2022	Mixed diet (controls meals)	FLEURUS	Ra-228	Bq/kg	14	14	< 11.27 (5.411 - 22.91)	0	
2022	Mixed diet (controls meals)	FLEURUS	Ra-228	Bq/meal	14	14	< 3.132 (0.9661 - 12.83)	0	
2022	Mixed diet (controls meals)	FLEURUS	Sr-90	Bq/day per person	4	4	< 0.06734 (0.0547 - 0.08017)	0	
2022	Mixed diet (controls meals)	FLEURUS	Sr-90	Bq/kg	4	4	< 0.1016 (0.081 - 0.1313)	0	
2022	Mixed diet (controls meals)	FLEURUS	Sr-90	Bq/meal	4	4	< 0.02245 (0.01823 - 0.02672)	0	
2022	Mixed diet (controls meals)	FLEURUS	Th-228	Bq/day per person	14	14	< 3.518 (1.23 - 13.25)	0	
2022	Mixed diet (controls meals)	FLEURUS	Th-228	Bq/kg	14	14	< 4.241 (1.888 - 7.141)	0	
2022	Mixed diet (controls meals)	FLEURUS	Th-228	Bq/meal	14	14	< 1.173 (0.41 - 4.417)	0	
2022	Mixed diet (controls meals)	FLEURUS	Zn-65	Bq/day per person	14	14	< 5.864 (1.946 - 23.38)	0	
2022	Mixed diet (controls meals)	FLEURUS	Zn-65	Bq/kg	14	14	< 7.053 (3.632 - 13.21)	0	
2022	Mixed diet (controls meals)	FLEURUS	Zn-65	Bq/meal	14	14	< 1.955 (0.6485 - 7.792)	0	
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Ag-110m	Bq/day per person	13	13	< 0.4218 (0.224 - 0.5962)	0	
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Ag-110m	Bq/kg	13	13	< 0.7 (0.4 - 1)	0	
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Ag-110m	Bq/meal	13	13	< 0.1406 (0.07465 - 0.1987)	0	
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Be-7	Bq/day per person	13	13	< 4.643 (2.24 - 6.624)	0	
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Be-7	Bq/kg	13	13	< 7.692 (4 - 11)	0	
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Be-7	Bq/meal	13	13	< 1.548 (0.7465 - 2.208)	0	
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	C-14	Bq/g of stable carbon	4	0		4	0.2037 (0.185 - 0.22)
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Co-57	Bq/day per person	13	13	< 0.2826 (0.1008 - 0.412)	0	
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Co-57	Bq/kg	13	13	< 0.4646 (0.18 - 0.7)	0	
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Co-57	Bq/meal	13	13	< 0.09419 (0.03359 - 0.1373)	0	
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Co-58	Bq/day per person	13	13	< 0.5081 (0.2799 - 0.7466)	0	
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Co-58	Bq/kg	13	13	< 0.8462 (0.5 - 1.3)	0	
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Co-58	Bq/meal	13	13	< 0.1694 (0.09331 - 0.2489)	0	
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Co-60	Bq/day per person	13	13	< 0.4186 (0.2799 - 0.5962)	0	
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Co-60	Bq/kg	13	13	< 0.7 (0.5 - 1)	0	

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Co-60	Bq/meal	13	13	< 0.1395 (0.09331 - 0.1987)	0	
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Cs-134	Bq/day per person	13	13	< 0.366 (0.168 - 0.5299)	0	
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Cs-134	Bq/kg	13	13	< 0.6077 (0.3 - 0.9)	0	
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Cs-134	Bq/meal	13	13	< 0.122 (0.05599 - 0.1766)	0	
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Cs-137	Bq/day per person	13	12	< 0.4143 (0.224 - 0.6317)	1	0.7239
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Cs-137	Bq/kg	13	12	< 0.7 (0.4 - 1.1)	1	1
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Cs-137	Bq/meal	13	12	< 0.1381 (0.07465 - 0.2106)	1	0.2413
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	K-40	Bq/day per person	13	0		13	124 (73.34 - 173.6)
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	K-40	Bq/kg	13	0		13	206.2 (131 - 260)
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	K-40	Bq/meal	13	0		13	41.34 (24.45 - 57.87)
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Mn-54	Bq/day per person	13	13	< 0.4157 (0.224 - 0.5962)	0	
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Mn-54	Bq/kg	13	13	< 0.6923 (0.4 - 1)	0	
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Mn-54	Bq/meal	13	13	< 0.1386 (0.07465 - 0.1987)	0	
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Ra-226	Bq/day per person	13	13	< 0.7844 (0.3919 - 1.149)	0	
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Ra-226	Bq/kg	13	13	< 1.3 (0.7 - 2)	0	
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Ra-226	Bq/meal	13	13	< 0.2615 (0.1306 - 0.3829)	0	
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Ra-228	Bq/day per person	13	13	< 1.61 (0.8958 - 2.354)	0	
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Ra-228	Bq/kg	13	13	< 2.685 (1.6 - 4)	0	
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Ra-228	Bq/meal	13	13	< 0.5367 (0.2986 - 0.7848)	0	
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Sr-90	Bq/day per person	4	4	< 0.06085 (0.04765 - 0.07074)	0	
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Sr-90	Bq/kg	4	4	< 0.1025 (0.07 - 0.12)	0	
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Sr-90	Bq/meal	4	4	< 0.02028 (0.01588 - 0.02358)	0	
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Th-228	Bq/day per person	13	13	< 0.6606 (0.2799 - 1.001)	0	
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Th-228	Bq/kg	13	13	< 1.092 (0.5 - 1.7)	0	
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Th-228	Bq/meal	13	13	< 0.2202 (0.09331 - 0.3336)	0	
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Zn-65	Bq/day per person	13	13	< 1.031 (0.6159 - 1.493)	0	
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Zn-65	Bq/kg	13	13	< 1.715 (1.1 - 2.6)	0	
2022	Mixed diet (controls meals)	MOL-TESSENDERLO-HASSELT	Zn-65	Bq/meal	13	13	< 0.3437 (0.2053 - 0.4977)	0	