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**Radiological surveillance
of the territory and discharges of Class 1
nuclear facilities**
2021: Annexes

**Surveillance radiologique
du territoire et des effluents des
établissements nucléaires de classe 1**
2021 : Annexes

**Radiologisch toezicht op het
grondgebied en de effluenten
van nucleaire inrichtingen
klasse 1**
2021: 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/m² or Bq/m³ (DL: detection limit).

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2021	Outdoor air	LIXHE	Be-7	Bq/m ³	13	0		13	0.005958 (0.00209 - 0.0235)
2021	Outdoor air	LIXHE	Ce-141	Bq/m ³	13	13	< 9.68e-05 (3.34e-05 - 0.000445)	0	
2021	Outdoor air	LIXHE	Ce-144	Bq/m ³	13	13	< 9.719e-05 (5.44e-05 - 0.000408)	0	
2021	Outdoor air	LIXHE	Cs-134	Bq/m ³	13	13	< 3.072e-05 (1.78e-05 - 0.000128)	0	
2021	Outdoor air	LIXHE	Cs-137	Bq/m ³	13	13	< 2.635e-05 (1.49e-05 - 0.000112)	0	
2021	Outdoor air	LIXHE	I-131	Bq/m ³	13	13	< 0.02192 (0.000476 - 0.176)	0	
2021	Outdoor air	LIXHE	K-40	Bq/m ³	13	0		13	0.001218 (0.000607 - 0.00483)
2021	Outdoor air	LIXHE	Nb-95	Bq/m ³	13	13	< 9.629e-05 (3.64e-05 - 0.000443)	0	
2021	Outdoor air	LIXHE	Ru-103	Bq/m ³	13	13	< 7.296e-05 (2.78e-05 - 0.000335)	0	
2021	Outdoor air	LIXHE	Ru-106	Bq/m ³	13	13	< 0.0002501 (0.000139 - 0.00104)	0	
2021	Outdoor air	LIXHE	T-Beta	Bq/m ³	169	8	< 0.0001395 (0.000135 - 0.000144)	161	0.0005423 (0.000139 - 0.00162)
2021	Outdoor air	LIXHE	Zr-95	Bq/m ³	13	13	< 8.848e-05 (4.15e-05 - 0.000404)	0	
2021	Outdoor air	TIHANGE	Be-7	Bq/m ³	13	0		13	0.00368 (0.00179 - 0.00559)
2021	Outdoor air	TIHANGE	Ce-141	Bq/m ³	13	13	< 6.094e-05 (3.29e-05 - 0.000149)	0	
2021	Outdoor air	TIHANGE	Ce-144	Bq/m ³	13	13	< 5.937e-05 (5.33e-05 - 6.99e-05)	0	
2021	Outdoor air	TIHANGE	Cs-134	Bq/m ³	13	13	< 1.867e-05 (1.73e-05 - 2.07e-05)	0	
2021	Outdoor air	TIHANGE	Cs-137	Bq/m ³	13	13	< 1.593e-05 (1.48e-05 - 1.79e-05)	0	
2021	Outdoor air	TIHANGE	I-131	Bq/m ³	13	13	< 0.0195 (0.000489 - 0.178)	0	
2021	Outdoor air	TIHANGE	K-40	Bq/m ³	13	0		13	0.0007824 (0.000609 - 0.000975)
2021	Outdoor air	TIHANGE	Nb-95	Bq/m ³	13	13	< 6.088e-05 (3.37e-05 - 0.000144)	0	
2021	Outdoor air	TIHANGE	Ru-103	Bq/m ³	13	13	< 4.578e-05 (2.81e-05 - 9.93e-05)	0	
2021	Outdoor air	TIHANGE	Ru-106	Bq/m ³	13	13	< 0.000154 (0.000139 - 0.000174)	0	
2021	Outdoor air	TIHANGE	T-Beta	Bq/m ³	364	56	< 0.000195 (0.000175 - 0.000217)	308	0.0005134 (0.000168 - 0.00216)
2021	Outdoor air	TIHANGE	Zr-95	Bq/m ³	13	13	< 5.384e-05 (3.87e-05 - 9.18e-05)	0	
2021	Total deposition filtered	LIXHE	Be-7	Bq/m ²	13	11	< 15.86 (12.3 - 21.8)	2	27.05 (15.7 - 38.4)
2021	Total deposition filtered	LIXHE	Ce-141	Bq/m ²	13	13	< 4.409 (3.28 - 7.95)	0	
2021	Total deposition filtered	LIXHE	Ce-144	Bq/m ²	13	13	< 10.95 (9.88 - 12)	0	
2021	Total deposition filtered	LIXHE	Cs-134	Bq/m ²	13	13	< 1.458 (1.38 - 1.63)	0	
2021	Total deposition filtered	LIXHE	Cs-137	Bq/m ²	13	13	< 1.553 (1.47 - 1.65)	0	
2021	Total deposition filtered	LIXHE	H-3	Bq/m ²	13	11	< 178.7 (77.6 - 367)	2	148 (137 - 159)
2021	Total deposition filtered	LIXHE	I-131	Bq/m ²	13	13	< 21.88 (6.32 - 140)	0	
2021	Total deposition filtered	LIXHE	K-40	Bq/m ²	13	9	< 1.053 (0.3985 - 2.055)	4	2.964 (0.9043 - 7.896)
2021	Total deposition filtered	LIXHE	Nb-95	Bq/m ²	13	13	< 2.478 (2.09 - 3.89)	0	
2021	Total deposition filtered	LIXHE	R-Beta	Bq/l	13	7	< 0.01677 (0.0167 - 0.0169)	6	0.05268 (0.0186 - 0.158)
2021	Total deposition filtered	LIXHE	Ru-103	Bq/m ²	13	13	< 2.22 (1.89 - 3.44)	0	
2021	Total deposition filtered	LIXHE	Ru-106	Bq/m ²	13	13	< 13.48 (12.1 - 15)	0	
2021	Total deposition filtered	LIXHE	T-Alfa	Bq/m ²	13	1	< 0.205	12	0.2004 (0.0522 - 0.328)
2021	Total deposition filtered	LIXHE	T-Beta	Bq/m ²	13	0		13	2.577 (0.772 - 10.1)
2021	Total deposition filtered	LIXHE	Zr-95	Bq/m ²	13	13	< 3.315 (2.93 - 4.36)	0	
2021	Total deposition filtered	TIHANGE	Be-7	Bq/m ²	13	9	< 18.21 (13.4 - 26.9)	4	40.9 (10.3 - 105)
2021	Total deposition filtered	TIHANGE	Ce-141	Bq/m ²	13	13	< 4.341 (3.45 - 7.25)	0	
2021	Total deposition filtered	TIHANGE	Ce-144	Bq/m ²	13	13	< 10.57 (10 - 11.2)	0	
2021	Total deposition filtered	TIHANGE	Cs-134	Bq/m ²	13	13	< 1.489 (1.36 - 1.63)	0	
2021	Total deposition filtered	TIHANGE	Cs-137	Bq/m ²	13	13	< 1.561 (1.42 - 1.73)	0	
2021	Total deposition filtered	TIHANGE	H-3	Bq/m ²	13	11	< 218.3 (54 - 699)	2	314.5 (242 - 387)
2021	Total deposition filtered	TIHANGE	I-131	Bq/m ²	13	13	< 22.97 (6.33 - 146)	0	
2021	Total deposition filtered	TIHANGE	K-40	Bq/m ²	13	9	< 1.504 (0.3183 - 4.044)	4	4.914 (0.9544 - 14.18)
2021	Total deposition filtered	TIHANGE	Nb-95	Bq/m ²	13	13	< 2.616 (2.21 - 4.62)	0	
2021	Total deposition filtered	TIHANGE	R-Beta	Bq/l	13	8	< 0.01675 (0.0167 - 0.0169)	5	0.0326 (0.0189 - 0.0613)
2021	Total deposition filtered	TIHANGE	Ru-103	Bq/m ²	13	13	< 2.322 (2.02 - 3.85)	0	
2021	Total deposition filtered	TIHANGE	Ru-106	Bq/m ²	13	13	< 13.93 (12.5 - 15.7)	0	
2021	Total deposition filtered	TIHANGE	T-Alfa	Bq/m ²	13	0		13	0.1796 (0.0859 - 0.292)
2021	Total deposition filtered	TIHANGE	T-Beta	Bq/m ²	13	0		13	2.418 (0.553 - 7.59)
2021	Total deposition filtered	TIHANGE	Zr-95	Bq/m ²	13	13	< 3.543 (2.94 - 4.97)	0	
2021	Total deposition residue	LIXHE	Be-7	Bq/m ²	13	0		13	21.02 (7.98 - 52.4)

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2021	Total deposition residue	LIXHE	Ce-141	Bq/m ²	13	13	< 1.675 (1.12 - 2.83)	0	
2021	Total deposition residue	LIXHE	Ce-144	Bq/m ²	13	13	< 3.912 (2.25 - 6.96)	0	
2021	Total deposition residue	LIXHE	Cs-134	Bq/m ²	13	13	< 0.7519 (0.46 - 1.38)	0	
2021	Total deposition residue	LIXHE	Cs-137	Bq/m ²	13	13	< 0.7393 (0.471 - 1.32)	0	
2021	Total deposition residue	LIXHE	I-131	Bq/m ²	13	13	< 8.019 (4.18 - 17.5)	0	
2021	Total deposition residue	LIXHE	K-40	Bq/m ²	13	13	< 10.66 (6.48 - 19.7)	0	
2021	Total deposition residue	LIXHE	Nb-95	Bq/m ²	13	13	< 1.194 (0.8 - 2.1)	0	
2021	Total deposition residue	LIXHE	Ru-103	Bq/m ²	13	13	< 1.094 (0.73 - 1.91)	0	
2021	Total deposition residue	LIXHE	Ru-106	Bq/m ²	13	13	< 6.735 (4.21 - 12.1)	0	
2021	Total deposition residue	LIXHE	T-Alfa	Bq/m ²	13	0		13	0.9198 (0.543 - 1.43)
2021	Total deposition residue	LIXHE	T-Beta	Bq/m ²	13	0		13	3.246 (1.65 - 5.93)
2021	Total deposition residue	LIXHE	Zr-95	Bq/m ²	13	13	< 1.611 (1.06 - 2.73)	0	
2021	Total deposition residue	TIHANGE	Be-7	Bq/m ²	13	1	< 21.7	12	26.36 (8.3 - 91.2)
2021	Total deposition residue	TIHANGE	Ce-141	Bq/m ²	13	13	< 1.573 (0.844 - 4.05)	0	
2021	Total deposition residue	TIHANGE	Ce-144	Bq/m ²	13	13	< 3.516 (1.87 - 9.02)	0	
2021	Total deposition residue	TIHANGE	Cs-134	Bq/m ²	13	13	< 0.6872 (0.378 - 1.8)	0	
2021	Total deposition residue	TIHANGE	Cs-137	Bq/m ²	13	13	< 0.6924 (0.367 - 1.91)	0	
2021	Total deposition residue	TIHANGE	I-131	Bq/m ²	13	13	< 8.612 (4.2 - 19)	0	
2021	Total deposition residue	TIHANGE	K-40	Bq/m ²	13	13	< 9.463 (5.2 - 23.6)	0	
2021	Total deposition residue	TIHANGE	Nb-95	Bq/m ²	13	13	< 1.123 (0.635 - 2.95)	0	
2021	Total deposition residue	TIHANGE	Ru-103	Bq/m ²	13	13	< 1.011 (0.586 - 2.58)	0	
2021	Total deposition residue	TIHANGE	Ru-106	Bq/m ²	13	13	< 6.25 (3.46 - 16.7)	0	
2021	Total deposition residue	TIHANGE	T-Alfa	Bq/m ²	13	0		13	1.094 (0.158 - 3.37)
2021	Total deposition residue	TIHANGE	T-Beta	Bq/m ²	13	0		13	3.63 (0.87 - 9.79)
2021	Total deposition residue	TIHANGE	Zr-95	Bq/m ²	13	13	< 1.464 (0.852 - 3.84)	0	
2021	Topsoil and grass	LIXHE	Ag-110m	Bq/kg	1	1	< 1.22	0	
2021	Topsoil and grass	LIXHE	Be-7	Bq/kg	1	1	< 12.7	0	
2021	Topsoil and grass	LIXHE	Co-57	Bq/kg	1	1	< 0.689	0	
2021	Topsoil and grass	LIXHE	Co-58	Bq/kg	1	1	< 1.32	0	
2021	Topsoil and grass	LIXHE	Co-60	Bq/kg	1	1	< 0.984	0	
2021	Topsoil and grass	LIXHE	Cs-134	Bq/kg	1	1	< 1.01	0	
2021	Topsoil and grass	LIXHE	Cs-137	Bq/kg	1	0		1	1.42
2021	Topsoil and grass	LIXHE	I-131	Bq/kg	1	1	< 48.6	0	
2021	Topsoil and grass	LIXHE	K-40	Bq/kg	1	0		1	346
2021	Topsoil and grass	LIXHE	Mn-54	Bq/kg	1	1	< 0.94	0	
2021	Topsoil and grass	LIXHE	Ra-226	Bq/kg	1	0		1	35.6
2021	Topsoil and grass	LIXHE	Ra-228	Bq/kg	1	0		1	25.8
2021	Topsoil and grass	LIXHE	Ru-106	Bq/kg	1	1	< 8.43	0	
2021	Topsoil and grass	LIXHE	Sb-125	Bq/kg	1	1	< 2.75	0	
2021	Topsoil and grass	LIXHE	Th-228	Bq/kg	1	0		1	29.8
2021	Topsoil and grass	LIXHE	Zn-65	Bq/kg	1	1	< 2.8	0	
2021	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Ag-110m	Bq/kg	1	1	< 1.58	0	
2021	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Be-7	Bq/kg	1	1	< 14.5	0	
2021	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Co-57	Bq/kg	1	1	< 0.752	0	
2021	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Co-58	Bq/kg	1	1	< 1.52	0	
2021	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Co-60	Bq/kg	1	1	< 1.02	0	
2021	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Cs-134	Bq/kg	1	1	< 1.1	0	
2021	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Cs-137	Bq/kg	1	0		1	6.84
2021	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	I-131	Bq/kg	1	1	< 55.6	0	
2021	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	K-40	Bq/kg	1	0		1	422
2021	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Mn-54	Bq/kg	1	1	< 1.1	0	
2021	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Ra-226	Bq/kg	1	0		1	45.6
2021	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Ra-228	Bq/kg	1	0		1	31.9
2021	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Ru-106	Bq/kg	1	1	< 9.13	0	
2021	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Sb-125	Bq/kg	1	1	< 3.01	0	
2021	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Th-228	Bq/kg	1	0		1	36
2021	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	Zn-65	Bq/kg	1	1	< 3.27	0	
2021	River water	AMPSIN	Be-7	Bq/l	26	26	< 1.374 (0.784 - 1.93)	0	

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2021	River water	AMPSIN	Ce-141	Bq/l	26	26	< 0.3143 (0.189 - 0.419)	0	
2021	River water	AMPSIN	Ce-144	Bq/l	26	26	< 1.045 (0.708 - 1.13)	0	
2021	River water	AMPSIN	Cs-134	Bq/l	26	26	< 0.1438 (0.0845 - 0.171)	0	
2021	River water	AMPSIN	Cs-137	Bq/l	26	26	< 0.1571 (0.0807 - 0.202)	0	
2021	River water	AMPSIN	H-3	Bq/l	26	7	< 3.157 (2.81 - 3.93)	19	16.91 (4.37 - 42.1)
2021	River water	AMPSIN	I-131	Bq/l	26	26	< 0.504 (0.175 - 1.87)	0	
2021	River water	AMPSIN	K-40	Bq/l	26	1	< 3.04	25	0.07966 (0.0632 - 0.102)
2021	River water	AMPSIN	Nb-95	Bq/l	26	26	< 0.1868 (0.086 - 0.288)	0	
2021	River water	AMPSIN	R-Beta	Bq/l	26	23	< 0.1755 (0.0416 - 3.04)	3	0.06383 (0.0483 - 0.0803)
2021	River water	AMPSIN	Ru-103	Bq/l	26	26	< 0.1701 (0.0949 - 0.241)	0	
2021	River water	AMPSIN	Ru-106	Bq/l	26	26	< 1.336 (0.698 - 1.61)	0	
2021	River water	AMPSIN	T-Alfa	Bq/l	26	20	< 0.02458 (0.00979 - 0.0339)	6	0.03625 (0.0213 - 0.0508)
2021	River water	AMPSIN	T-Beta	Bq/l	26	0		26	0.09956 (0.048 - 0.164)
2021	River water	AMPSIN	Zr-95	Bq/l	26	26	< 0.2886 (0.14 - 0.407)	0	
2021	River water	ANDENNE (GIVES)	Be-7	Bq/l	26	26	< 1.433 (1.25 - 1.75)	0	
2021	River water	ANDENNE (GIVES)	Ce-141	Bq/l	26	26	< 0.3343 (0.292 - 0.481)	0	
2021	River water	ANDENNE (GIVES)	Ce-144	Bq/l	26	26	< 1.082 (0.992 - 1.16)	0	
2021	River water	ANDENNE (GIVES)	Cs-134	Bq/l	26	26	< 0.151 (0.137 - 0.167)	0	
2021	River water	ANDENNE (GIVES)	Cs-137	Bq/l	26	26	< 0.159 (0.0986 - 0.181)	0	
2021	River water	ANDENNE (GIVES)	H-3	Bq/l	26	9	< 3.07 (2.79 - 3.93)	17	10.04 (3.99 - 19.9)
2021	River water	ANDENNE (GIVES)	I-131	Bq/l	26	26	< 0.5795 (0.301 - 1.94)	0	
2021	River water	ANDENNE (GIVES)	K-40	Bq/l	26	1	< 2.43	25	0.07788 (0.0609 - 0.0989)
2021	River water	ANDENNE (GIVES)	Nb-95	Bq/l	26	26	< 0.1983 (0.169 - 0.254)	0	
2021	River water	ANDENNE (GIVES)	R-Beta	Bq/l	26	24	< 0.1441 (0.0396 - 2.43)	2	0.09755 (0.0441 - 0.151)
2021	River water	ANDENNE (GIVES)	Ru-103	Bq/l	26	26	< 0.1795 (0.147 - 0.227)	0	
2021	River water	ANDENNE (GIVES)	Ru-106	Bq/l	26	26	< 1.388 (1.24 - 1.57)	0	
2021	River water	ANDENNE (GIVES)	T-Alfa	Bq/l	26	21	< 0.0263 (0.0109 - 0.0336)	5	0.03114 (0.0189 - 0.0431)
2021	River water	ANDENNE (GIVES)	T-Beta	Bq/l	26	2	< 0.03855 (0.0359 - 0.0412)	24	0.1005 (0.0589 - 0.228)
2021	River water	ANDENNE (GIVES)	Zr-95	Bq/l	26	26	< 0.3018 (0.254 - 0.366)	0	
2021	River water	HUY	Be-7	Bq/l	26	26	< 1.44 (1.28 - 1.87)	0	
2021	River water	HUY	Ce-141	Bq/l	26	26	< 0.3286 (0.292 - 0.456)	0	
2021	River water	HUY	Ce-144	Bq/l	26	26	< 1.073 (0.992 - 1.18)	0	
2021	River water	HUY	Cs-134	Bq/l	26	26	< 0.1504 (0.134 - 0.165)	0	
2021	River water	HUY	Cs-137	Bq/l	26	26	< 0.1616 (0.149 - 0.179)	0	
2021	River water	HUY	H-3	Bq/l	26	7	< 3.181 (2.8 - 3.93)	19	10.92 (5.24 - 21.5)
2021	River water	HUY	I-131	Bq/l	26	26	< 0.5737 (0.283 - 2.3)	0	
2021	River water	HUY	K-40	Bq/l	26	1	< 2.88	25	0.08017 (0.0637 - 0.0989)
2021	River water	HUY	Nb-95	Bq/l	26	26	< 0.1997 (0.165 - 0.313)	0	
2021	River water	HUY	R-Beta	Bq/l	26	22	< 0.173 (0.0421 - 2.88)	4	0.1116 (0.0482 - 0.228)
2021	River water	HUY	Ru-103	Bq/l	26	26	< 0.1817 (0.158 - 0.258)	0	
2021	River water	HUY	Ru-106	Bq/l	26	26	< 1.396 (1.22 - 1.57)	0	
2021	River water	HUY	T-Alfa	Bq/l	26	21	< 0.02457 (0.0104 - 0.0371)	5	0.03362 (0.0233 - 0.0454)
2021	River water	HUY	T-Beta	Bq/l	26	1	< 0.0436	25	0.1137 (0.0658 - 0.307)
2021	River water	HUY	Zr-95	Bq/l	26	26	< 0.3035 (0.259 - 0.386)	0	
2021	River water	LIXHE	Be-7	Bq/l	26	26	< 1.374 (0.661 - 1.9)	0	
2021	River water	LIXHE	Ce-141	Bq/l	26	26	< 0.3086 (0.157 - 0.438)	0	
2021	River water	LIXHE	Ce-144	Bq/l	26	26	< 1.022 (0.555 - 1.14)	0	
2021	River water	LIXHE	Cs-134	Bq/l	26	26	< 0.1464 (0.0741 - 0.171)	0	
2021	River water	LIXHE	Cs-137	Bq/l	26	26	< 0.1545 (0.0507 - 0.18)	0	
2021	River water	LIXHE	H-3	Bq/l	26	3	< 3.17 (3.02 - 3.26)	23	12.64 (3.29 - 25.3)
2021	River water	LIXHE	I-131	Bq/l	26	26	< 0.5018 (0.152 - 1.8)	0	
2021	River water	LIXHE	K-40	Bq/l	26	1	< 3.02	25	0.09156 (0.0667 - 0.177)
2021	River water	LIXHE	Nb-95	Bq/l	26	26	< 0.1868 (0.0778 - 0.284)	0	
2021	River water	LIXHE	R-Beta	Bq/l	26	21	< 0.187 (0.0416 - 3.02)	5	0.05822 (0.0435 - 0.0913)
2021	River water	LIXHE	Ru-103	Bq/l	26	26	< 0.1713 (0.0822 - 0.247)	0	
2021	River water	LIXHE	Ru-106	Bq/l	26	26	< 1.34 (0.693 - 1.6)	0	
2021	River water	LIXHE	T-Alfa	Bq/l	26	23	< 0.02444 (0.0104 - 0.0345)	3	0.02083 (0.018 - 0.0227)
2021	River water	LIXHE	T-Beta	Bq/l	26	0		26	0.1212 (0.0828 - 0.216)

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2021	River water	LIXHE	Zr-95	Bq/l	26	26	< 0.2902 (0.132 - 0.376)	0	
2021	River sediments	AMPSIN	Ag-110m	Bq/kg	12	9	< 2.95 (1.63 - 5.77)	3	3.33 (2.47 - 3.99)
2021	River sediments	AMPSIN	Be-7	Bq/kg	12	0		12	230.2 (117 - 402)
2021	River sediments	AMPSIN	Co-57	Bq/kg	12	12	< 1.291 (0.814 - 2.21)	0	
2021	River sediments	AMPSIN	Co-58	Bq/kg	12	12	< 3.432 (1.82 - 5.68)	0	
2021	River sediments	AMPSIN	Co-60	Bq/kg	12	3	< 1.817 (1.18 - 2.82)	9	13.14 (2.87 - 41.6)
2021	River sediments	AMPSIN	Cs-134	Bq/kg	12	12	< 2.208 (1.21 - 3.55)	0	
2021	River sediments	AMPSIN	Cs-137	Bq/kg	12	0		12	6.087 (3.42 - 13.7)
2021	River sediments	AMPSIN	I-131	Bq/kg	12	12	< 191.5 (56.8 - 549)	0	
2021	River sediments	AMPSIN	K-40	Bq/kg	12	0		12	446.2 (357 - 532)
2021	River sediments	AMPSIN	Mn-54	Bq/kg	12	12	< 2.485 (1.43 - 3.5)	0	
2021	River sediments	AMPSIN	Nb-95	Bq/kg	12	12	< 6.859 (3.55 - 11.2)	0	
2021	River sediments	AMPSIN	Ra-226	Bq/kg	12	0		12	53.49 (38.1 - 76.8)
2021	River sediments	AMPSIN	Ra-228	Bq/kg	12	0		12	44.98 (38.1 - 50.7)
2021	River sediments	AMPSIN	Th-228	Bq/kg	12	0		12	47.41 (41.6 - 53.2)
2021	River sediments	AMPSIN	U-238eq	Bq/kg	12	3	< 32.6 (18.1 - 53.9)	9	56.58 (46 - 66.6)
2021	River sediments	AMPSIN	Zn-65	Bq/kg	12	12	< 6.193 (3.54 - 10.3)	0	
2021	River sediments	ANDENNE (GIVES)	Ag-110m	Bq/kg	13	13	< 3.549 (1.44 - 5.58)	0	
2021	River sediments	ANDENNE (GIVES)	Be-7	Bq/kg	13	0		13	159.3 (75.1 - 293)
2021	River sediments	ANDENNE (GIVES)	Co-57	Bq/kg	13	13	< 1.548 (0.771 - 2.62)	0	
2021	River sediments	ANDENNE (GIVES)	Co-58	Bq/kg	13	13	< 3.995 (1.74 - 6.24)	0	
2021	River sediments	ANDENNE (GIVES)	Co-60	Bq/kg	13	13	< 3.036 (1.33 - 4.05)	0	
2021	River sediments	ANDENNE (GIVES)	Cs-134	Bq/kg	13	13	< 2.668 (1.14 - 4.21)	0	
2021	River sediments	ANDENNE (GIVES)	Cs-137	Bq/kg	13	0		13	4.075 (2.22 - 6.59)
2021	River sediments	ANDENNE (GIVES)	I-131	Bq/kg	13	13	< 229.6 (51.4 - 721)	0	
2021	River sediments	ANDENNE (GIVES)	K-40	Bq/kg	13	0		13	408.2 (312 - 566)
2021	River sediments	ANDENNE (GIVES)	Mn-54	Bq/kg	13	13	< 2.857 (1.36 - 4.29)	0	
2021	River sediments	ANDENNE (GIVES)	Nb-95	Bq/kg	13	13	< 8.028 (3.61 - 13)	0	
2021	River sediments	ANDENNE (GIVES)	Ra-226	Bq/kg	13	0		13	50.48 (35.6 - 73.7)
2021	River sediments	ANDENNE (GIVES)	Ra-228	Bq/kg	13	0		13	39.97 (33.3 - 51.3)
2021	River sediments	ANDENNE (GIVES)	Th-228	Bq/kg	13	0		13	43.28 (37.8 - 50.6)
2021	River sediments	ANDENNE (GIVES)	U-238eq	Bq/kg	13	5	< 46.32 (24.6 - 74.8)	8	41.95 (14.8 - 72.6)
2021	River sediments	ANDENNE (GIVES)	Zn-65	Bq/kg	13	13	< 7.225 (3.32 - 11.8)	0	
2021	River sediments	LIXHE	Ag-110m	Bq/kg	13	13	< 10.1 (3.29 - 28.1)	0	
2021	River sediments	LIXHE	Be-7	Bq/kg	13	1	< 144	12	298.9 (113 - 807)
2021	River sediments	LIXHE	Co-57	Bq/kg	13	13	< 4.158 (1.4 - 13.1)	0	
2021	River sediments	LIXHE	Co-58	Bq/kg	13	13	< 11.68 (4.15 - 33.7)	0	
2021	River sediments	LIXHE	Co-60	Bq/kg	13	12	< 8.632 (3.22 - 21.2)	1	19.8
2021	River sediments	LIXHE	Cs-134	Bq/kg	13	13	< 7.571 (2.57 - 20.9)	0	
2021	River sediments	LIXHE	Cs-137	Bq/kg	13	5	< 13.5 (5.13 - 22)	8	6.415 (3.91 - 9.58)
2021	River sediments	LIXHE	I-131	Bq/kg	13	13	< 785.5 (98.6 - 4570)	0	
2021	River sediments	LIXHE	K-40	Bq/kg	13	0		13	448.5 (283 - 668)
2021	River sediments	LIXHE	Mn-54	Bq/kg	13	13	< 7.953 (2.92 - 22)	0	
2021	River sediments	LIXHE	Nb-95	Bq/kg	13	13	< 21.88 (7.36 - 70.7)	0	
2021	River sediments	LIXHE	Ra-226	Bq/kg	13	0		13	56.45 (32.6 - 108)
2021	River sediments	LIXHE	Ra-228	Bq/kg	13	2	< 63.75 (40.2 - 87.3)	11	47.97 (29.1 - 85.6)
2021	River sediments	LIXHE	Th-228	Bq/kg	13	1	< 33.5	12	45.35 (27.3 - 67.1)
2021	River sediments	LIXHE	U-238eq	Bq/kg	13	8	< 123.6 (28.6 - 349)	5	54.52 (37.9 - 73.4)
2021	River sediments	LIXHE	Zn-65	Bq/kg	13	13	< 19.24 (6.71 - 52.5)	0	
2021	Freshwater aquatic plants	AMPSIN-FLÉMALLE	Ag-110m	Bq/kg	4	4	< 3.662 (1.9 - 5.45)	0	
2021	Freshwater aquatic plants	AMPSIN-FLÉMALLE	Be-7	Bq/kg	4	0		4	189.8 (120 - 353)
2021	Freshwater aquatic plants	AMPSIN-FLÉMALLE	Co-57	Bq/kg	4	4	< 1.506 (0.904 - 2.22)	0	
2021	Freshwater aquatic plants	AMPSIN-FLÉMALLE	Co-58	Bq/kg	4	4	< 4.272 (2.58 - 6.5)	0	
2021	Freshwater aquatic plants	AMPSIN-FLÉMALLE	Co-60	Bq/kg	4	4	< 3.798 (2.1 - 5.89)	0	
2021	Freshwater aquatic plants	AMPSIN-FLÉMALLE	Cs-134	Bq/kg	4	4	< 2.98 (1.64 - 4.49)	0	
2021	Freshwater aquatic plants	AMPSIN-FLÉMALLE	Cs-137	Bq/kg	4	4	< 3.032 (1.71 - 4.61)	0	
2021	Freshwater aquatic plants	AMPSIN-FLÉMALLE	H-3	Bq/kg	4	3	< 19.07 (18.2 - 20.2)	1	22.7
2021	Freshwater aquatic plants	AMPSIN-FLÉMALLE	I-131	Bq/kg	4	4	< 124.8 (41.8 - 248)	0	

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2021	Freshwater aquatic plants	AMPSIN-FLÉMALLE	K-40	Bq/kg	4	0		4	431.8 (293 - 573)
2021	Freshwater aquatic plants	AMPSIN-FLÉMALLE	Mn-54	Bq/kg	4	4	< 3.352 (1.94 - 4.75)	0	
2021	Freshwater aquatic plants	AMPSIN-FLÉMALLE	Nb-95	Bq/kg	4	4	< 6.852 (4.01 - 9.97)	0	
2021	Freshwater aquatic plants	AMPSIN-FLÉMALLE	Ra-226	Bq/kg	4	3	< 6.557 (3.41 - 9.41)	1	4.24
2021	Freshwater aquatic plants	AMPSIN-FLÉMALLE	Ra-228	Bq/kg	4	4	< 13.36 (7.19 - 20.9)	0	
2021	Freshwater aquatic plants	AMPSIN-FLÉMALLE	Th-228	Bq/kg	4	4	< 4.312 (2.5 - 6.36)	0	
2021	Freshwater aquatic plants	AMPSIN-FLÉMALLE	Zn-65	Bq/kg	4	4	< 7.81 (4.4 - 11.7)	0	
2021	Freshwater aquatic plants	ANDENNE (GIVES)	Ag-110m	Bq/kg	3	3	< 5.38 (5.28 - 5.43)	0	
2021	Freshwater aquatic plants	ANDENNE (GIVES)	Be-7	Bq/kg	3	0		3	248.3 (114 - 495)
2021	Freshwater aquatic plants	ANDENNE (GIVES)	Co-57	Bq/kg	3	3	< 2.22 (2.03 - 2.52)	0	
2021	Freshwater aquatic plants	ANDENNE (GIVES)	Co-58	Bq/kg	3	3	< 6.217 (5.72 - 6.54)	0	
2021	Freshwater aquatic plants	ANDENNE (GIVES)	Co-60	Bq/kg	3	3	< 5.423 (4.86 - 5.86)	0	
2021	Freshwater aquatic plants	ANDENNE (GIVES)	Cs-134	Bq/kg	3	3	< 4.327 (4.14 - 4.65)	0	
2021	Freshwater aquatic plants	ANDENNE (GIVES)	Cs-137	Bq/kg	3	3	< 3.82 (3.37 - 4.41)	0	
2021	Freshwater aquatic plants	ANDENNE (GIVES)	H-3	Bq/kg	3	3	< 18.23 (17.6 - 19.1)	0	
2021	Freshwater aquatic plants	ANDENNE (GIVES)	I-131	Bq/kg	3	3	< 211 (85.1 - 349)	0	
2021	Freshwater aquatic plants	ANDENNE (GIVES)	K-40	Bq/kg	3	0		3	442.7 (387 - 474)
2021	Freshwater aquatic plants	ANDENNE (GIVES)	Mn-54	Bq/kg	3	3	< 4.64 (4.29 - 4.83)	0	
2021	Freshwater aquatic plants	ANDENNE (GIVES)	Nb-95	Bq/kg	3	3	< 10.28 (9.05 - 11.6)	0	
2021	Freshwater aquatic plants	ANDENNE (GIVES)	Ra-226	Bq/kg	3	2	< 8.72 (8.25 - 9.19)	1	43.2
2021	Freshwater aquatic plants	ANDENNE (GIVES)	Ra-228	Bq/kg	3	2	< 18.05 (16.6 - 19.5)	1	25.1
2021	Freshwater aquatic plants	ANDENNE (GIVES)	Th-228	Bq/kg	3	2	< 5.68 (5.53 - 5.83)	1	32.2
2021	Freshwater aquatic plants	ANDENNE (GIVES)	Zn-65	Bq/kg	3	3	< 11.2 (10.8 - 11.4)	0	
2021	Freshwater aquatic plants	HUY	Ag-110m	Bq/kg	4	4	< 2.885 (1.99 - 5.24)	0	
2021	Freshwater aquatic plants	HUY	Be-7	Bq/kg	4	0		4	229.8 (107 - 346)
2021	Freshwater aquatic plants	HUY	Co-57	Bq/kg	4	4	< 1.237 (0.881 - 2.01)	0	
2021	Freshwater aquatic plants	HUY	Co-58	Bq/kg	4	4	< 3.42 (2.53 - 5.79)	0	
2021	Freshwater aquatic plants	HUY	Co-60	Bq/kg	4	4	< 3.093 (2.14 - 5.56)	0	
2021	Freshwater aquatic plants	HUY	Cs-134	Bq/kg	4	4	< 2.445 (1.59 - 4.43)	0	
2021	Freshwater aquatic plants	HUY	Cs-137	Bq/kg	4	3	< 2.593 (1.74 - 4.26)	1	1.11
2021	Freshwater aquatic plants	HUY	H-3	Bq/kg	4	4	< 18.48 (16.9 - 19.3)	0	
2021	Freshwater aquatic plants	HUY	I-131	Bq/kg	4	4	< 91.72 (40.7 - 130)	0	
2021	Freshwater aquatic plants	HUY	K-40	Bq/kg	4	0		4	380 (295 - 481)
2021	Freshwater aquatic plants	HUY	Mn-54	Bq/kg	4	4	< 2.805 (1.91 - 5.05)	0	
2021	Freshwater aquatic plants	HUY	Nb-95	Bq/kg	4	4	< 5.44 (3.94 - 9.2)	0	
2021	Freshwater aquatic plants	HUY	Ra-226	Bq/kg	4	4	< 4.835 (3.15 - 8.58)	0	
2021	Freshwater aquatic plants	HUY	Ra-228	Bq/kg	4	4	< 10.4 (6.86 - 18.1)	0	
2021	Freshwater aquatic plants	HUY	Th-228	Bq/kg	4	4	< 3.488 (2.47 - 5.83)	0	
2021	Freshwater aquatic plants	HUY	Zn-65	Bq/kg	4	4	< 6.345 (4.54 - 10.6)	0	
2021	Freshwater aquatic plants	LIVES-SUR-MEUSE	Ag-110m	Bq/kg	1	1	< 9.31	0	
2021	Freshwater aquatic plants	LIVES-SUR-MEUSE	Be-7	Bq/kg	1	0		1	125
2021	Freshwater aquatic plants	LIVES-SUR-MEUSE	Co-57	Bq/kg	1	1	< 3.41	0	
2021	Freshwater aquatic plants	LIVES-SUR-MEUSE	Co-58	Bq/kg	1	1	< 10.2	0	
2021	Freshwater aquatic plants	LIVES-SUR-MEUSE	Co-60	Bq/kg	1	1	< 8.63	0	
2021	Freshwater aquatic plants	LIVES-SUR-MEUSE	Cs-134	Bq/kg	1	1	< 7.25	0	
2021	Freshwater aquatic plants	LIVES-SUR-MEUSE	Cs-137	Bq/kg	1	1	< 7.51	0	
2021	Freshwater aquatic plants	LIVES-SUR-MEUSE	H-3	Bq/kg	1	0		1	20.9
2021	Freshwater aquatic plants	LIVES-SUR-MEUSE	I-131	Bq/kg	1	1	< 225	0	
2021	Freshwater aquatic plants	LIVES-SUR-MEUSE	K-40	Bq/kg	1	0		1	246
2021	Freshwater aquatic plants	LIVES-SUR-MEUSE	Mn-54	Bq/kg	1	1	< 7.97	0	
2021	Freshwater aquatic plants	LIVES-SUR-MEUSE	Nb-95	Bq/kg	1	1	< 16.1	0	
2021	Freshwater aquatic plants	LIVES-SUR-MEUSE	Ra-226	Bq/kg	1	1	< 15.4	0	
2021	Freshwater aquatic plants	LIVES-SUR-MEUSE	Ra-228	Bq/kg	1	1	< 33.7	0	
2021	Freshwater aquatic plants	LIVES-SUR-MEUSE	Th-228	Bq/kg	1	1	< 10.2	0	
2021	Freshwater aquatic plants	LIVES-SUR-MEUSE	Zn-65	Bq/kg	1	1	< 18.1	0	
2021	Freshwater aquatic plants	VISÉ (LIXHE)	Ag-110m	Bq/kg	4	4	< 5.975 (3.22 - 9.48)	0	
2021	Freshwater aquatic plants	VISÉ (LIXHE)	Be-7	Bq/kg	4	0		4	220.2 (112 - 316)
2021	Freshwater aquatic plants	VISÉ (LIXHE)	Co-57	Bq/kg	4	4	< 2.41 (1.36 - 3.78)	0	

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2021	Freshwater aquatic plants	VISÉ (LIXHE)	Co-58	Bq/kg	4	4	< 7.262 (4.15 - 11.7)	0	
2021	Freshwater aquatic plants	VISÉ (LIXHE)	Co-60	Bq/kg	4	4	< 6.198 (3.31 - 9.52)	0	
2021	Freshwater aquatic plants	VISÉ (LIXHE)	Cs-134	Bq/kg	4	4	< 4.778 (2.6 - 7.51)	0	
2021	Freshwater aquatic plants	VISÉ (LIXHE)	Cs-137	Bq/kg	4	4	< 4.6 (2.74 - 6.38)	0	
2021	Freshwater aquatic plants	VISÉ (LIXHE)	H-3	Bq/kg	4	2	< 19.55 (19.2 - 19.9)	2	23.3 (21.9 - 24.7)
2021	Freshwater aquatic plants	VISÉ (LIXHE)	I-131	Bq/kg	4	4	< 203.8 (63.4 - 370)	0	
2021	Freshwater aquatic plants	VISÉ (LIXHE)	K-40	Bq/kg	4	0		4	569.5 (422 - 728)
2021	Freshwater aquatic plants	VISÉ (LIXHE)	Mn-54	Bq/kg	4	4	< 5.52 (3.14 - 8.78)	0	
2021	Freshwater aquatic plants	VISÉ (LIXHE)	Nb-95	Bq/kg	4	4	< 11.26 (6.62 - 17.4)	0	
2021	Freshwater aquatic plants	VISÉ (LIXHE)	Ra-226	Bq/kg	4	4	< 9.398 (5.04 - 15.4)	0	
2021	Freshwater aquatic plants	VISÉ (LIXHE)	Ra-228	Bq/kg	4	4	< 21.52 (11.6 - 34.5)	0	
2021	Freshwater aquatic plants	VISÉ (LIXHE)	Th-228	Bq/kg	4	4	< 6.92 (3.94 - 11)	0	
2021	Freshwater aquatic plants	VISÉ (LIXHE)	Zn-65	Bq/kg	4	4	< 12.63 (8.05 - 20.1)	0	
2021	Freshwater aquatic mosses	AMPSIN-FLÉMALLE	Ag-110m	Bq/kg	4	4	< 4.14 (2.56 - 8.08)	0	
2021	Freshwater aquatic mosses	AMPSIN-FLÉMALLE	Be-7	Bq/kg	4	1	< 33.4	3	107.3 (48.8 - 148)
2021	Freshwater aquatic mosses	AMPSIN-FLÉMALLE	Co-57	Bq/kg	4	4	< 1.788 (1.09 - 3.54)	0	
2021	Freshwater aquatic mosses	AMPSIN-FLÉMALLE	Co-58	Bq/kg	4	4	< 4.945 (2.98 - 9.72)	0	
2021	Freshwater aquatic mosses	AMPSIN-FLÉMALLE	Co-60	Bq/kg	4	4	< 3.88 (2.61 - 6.89)	0	
2021	Freshwater aquatic mosses	AMPSIN-FLÉMALLE	Cs-134	Bq/kg	4	4	< 3.385 (1.95 - 6.83)	0	
2021	Freshwater aquatic mosses	AMPSIN-FLÉMALLE	Cs-137	Bq/kg	4	3	< 3.63 (1.6 - 6.35)	1	1.44
2021	Freshwater aquatic mosses	AMPSIN-FLÉMALLE	H-3	Bq/kg	4	3	< 17.83 (17.7 - 18)	1	34.7
2021	Freshwater aquatic mosses	AMPSIN-FLÉMALLE	I-131	Bq/kg	4	4	< 265 (71.1 - 775)	0	
2021	Freshwater aquatic mosses	AMPSIN-FLÉMALLE	K-40	Bq/kg	4	0		4	326.8 (183 - 465)
2021	Freshwater aquatic mosses	AMPSIN-FLÉMALLE	Mn-54	Bq/kg	4	4	< 3.478 (2.28 - 6.38)	0	
2021	Freshwater aquatic mosses	AMPSIN-FLÉMALLE	Nb-95	Bq/kg	4	4	< 8.675 (4.95 - 18.1)	0	
2021	Freshwater aquatic mosses	AMPSIN-FLÉMALLE	Ra-226	Bq/kg	4	1	< 13.3	3	13.28 (3.84 - 26.7)
2021	Freshwater aquatic mosses	AMPSIN-FLÉMALLE	Ra-228	Bq/kg	4	3	< 14.69 (9.86 - 24.1)	1	23.8
2021	Freshwater aquatic mosses	AMPSIN-FLÉMALLE	Th-228	Bq/kg	4	3	< 6.21 (3.56 - 11.1)	1	25.7
2021	Freshwater aquatic mosses	AMPSIN-FLÉMALLE	Zn-65	Bq/kg	4	4	< 8.603 (5.19 - 16.3)	0	
2021	Freshwater aquatic mosses	ANDENNE (GIVES)	Ag-110m	Bq/kg	4	4	< 2.455 (1.59 - 3.58)	0	
2021	Freshwater aquatic mosses	ANDENNE (GIVES)	Be-7	Bq/kg	4	0		4	230 (147 - 328)
2021	Freshwater aquatic mosses	ANDENNE (GIVES)	Co-57	Bq/kg	4	4	< 1.142 (0.771 - 1.5)	0	
2021	Freshwater aquatic mosses	ANDENNE (GIVES)	Co-58	Bq/kg	4	4	< 2.968 (1.87 - 4.4)	0	
2021	Freshwater aquatic mosses	ANDENNE (GIVES)	Co-60	Bq/kg	4	4	< 2.328 (1.53 - 3.44)	0	
2021	Freshwater aquatic mosses	ANDENNE (GIVES)	Cs-134	Bq/kg	4	4	< 1.985 (1.24 - 2.9)	0	
2021	Freshwater aquatic mosses	ANDENNE (GIVES)	Cs-137	Bq/kg	4	1	< 2.43	3	2.843 (1.89 - 4.19)
2021	Freshwater aquatic mosses	ANDENNE (GIVES)	H-3	Bq/kg	4	3	< 17.5 (16.4 - 18.4)	1	59.2
2021	Freshwater aquatic mosses	ANDENNE (GIVES)	I-131	Bq/kg	4	4	< 156.7 (49.4 - 318)	0	
2021	Freshwater aquatic mosses	ANDENNE (GIVES)	K-40	Bq/kg	4	0		4	347 (297 - 432)
2021	Freshwater aquatic mosses	ANDENNE (GIVES)	Mn-54	Bq/kg	4	4	< 2.108 (1.42 - 3.13)	0	
2021	Freshwater aquatic mosses	ANDENNE (GIVES)	Nb-95	Bq/kg	4	4	< 5.482 (3.41 - 7.88)	0	
2021	Freshwater aquatic mosses	ANDENNE (GIVES)	Ra-226	Bq/kg	4	1	< 5.17	3	40.13 (32.2 - 49.7)
2021	Freshwater aquatic mosses	ANDENNE (GIVES)	Ra-228	Bq/kg	4	1	< 9.16	3	30.33 (23.7 - 40.3)
2021	Freshwater aquatic mosses	ANDENNE (GIVES)	Th-228	Bq/kg	4	1	< 4.4	3	33.17 (21.5 - 46.7)
2021	Freshwater aquatic mosses	ANDENNE (GIVES)	Zn-65	Bq/kg	4	4	< 5.1 (3.48 - 7.38)	0	
2021	Freshwater aquatic mosses	HUY	Ag-110m	Bq/kg	4	4	< 8.688 (5.68 - 12.2)	0	
2021	Freshwater aquatic mosses	HUY	Be-7	Bq/kg	4	1	< 87.3	3	125.8 (98.3 - 152)
2021	Freshwater aquatic mosses	HUY	Co-57	Bq/kg	4	4	< 3.25 (2.17 - 4.48)	0	
2021	Freshwater aquatic mosses	HUY	Co-58	Bq/kg	4	4	< 10.25 (6.43 - 13.9)	0	
2021	Freshwater aquatic mosses	HUY	Co-60	Bq/kg	4	4	< 9.01 (5.98 - 13.3)	0	
2021	Freshwater aquatic mosses	HUY	Cs-134	Bq/kg	4	4	< 7.06 (4.69 - 10.3)	0	
2021	Freshwater aquatic mosses	HUY	Cs-137	Bq/kg	4	4	< 7.328 (5.07 - 10.4)	0	
2021	Freshwater aquatic mosses	HUY	H-3	Bq/kg	4	2	< 18.9 (17.9 - 19.9)	2	31.8 (27 - 36.6)
2021	Freshwater aquatic mosses	HUY	I-131	Bq/kg	4	4	< 237.8 (177 - 315)	0	
2021	Freshwater aquatic mosses	HUY	K-40	Bq/kg	4	0		4	507.5 (473 - 536)
2021	Freshwater aquatic mosses	HUY	Mn-54	Bq/kg	4	4	< 7.745 (5.12 - 10.6)	0	
2021	Freshwater aquatic mosses	HUY	Nb-95	Bq/kg	4	4	< 16.15 (11.5 - 20.7)	0	
2021	Freshwater aquatic mosses	HUY	Ra-226	Bq/kg	4	0		4	27.4 (12.3 - 37.7)

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2021	Freshwater aquatic mosses	HUY	Ra-228	Bq/kg	4	3	< 36.1 (29 - 45.5)	1	17.4
2021	Freshwater aquatic mosses	HUY	Th-228	Bq/kg	4	3	< 11.01 (9.01 - 14.1)	1	15.2
2021	Freshwater aquatic mosses	HUY	Zn-65	Bq/kg	4	4	< 18.1 (12.6 - 24.8)	0	
2021	Freshwater aquatic mosses	VISÉ (LIXHE)	Ag-110m	Bq/kg	4	4	< 5.985 (3.25 - 7.53)	0	
2021	Freshwater aquatic mosses	VISÉ (LIXHE)	Be-7	Bq/kg	4	1	< 70.4	3	210.7 (105 - 386)
2021	Freshwater aquatic mosses	VISÉ (LIXHE)	Co-57	Bq/kg	4	4	< 2.282 (1.46 - 2.79)	0	
2021	Freshwater aquatic mosses	VISÉ (LIXHE)	Co-58	Bq/kg	4	4	< 7.102 (3.93 - 8.76)	0	
2021	Freshwater aquatic mosses	VISÉ (LIXHE)	Co-60	Bq/kg	4	4	< 6.102 (3.62 - 7.5)	0	
2021	Freshwater aquatic mosses	VISÉ (LIXHE)	Cs-134	Bq/kg	4	4	< 4.768 (2.59 - 5.78)	0	
2021	Freshwater aquatic mosses	VISÉ (LIXHE)	Cs-137	Bq/kg	4	3	< 5.31 (4.45 - 6.2)	1	2.85
2021	Freshwater aquatic mosses	VISÉ (LIXHE)	H-3	Bq/kg	4	2	< 18.2 (18.1 - 18.3)	2	33.15 (26.3 - 40)
2021	Freshwater aquatic mosses	VISÉ (LIXHE)	I-131	Bq/kg	4	4	< 182.4 (64.6 - 267)	0	
2021	Freshwater aquatic mosses	VISÉ (LIXHE)	K-40	Bq/kg	4	0		4	283.8 (166 - 431)
2021	Freshwater aquatic mosses	VISÉ (LIXHE)	Mn-54	Bq/kg	4	3	< 6.15 (5.55 - 7.13)	1	2.28
2021	Freshwater aquatic mosses	VISÉ (LIXHE)	Nb-95	Bq/kg	4	4	< 11.18 (6.54 - 14.5)	0	
2021	Freshwater aquatic mosses	VISÉ (LIXHE)	Ra-226	Bq/kg	4	0		4	32.7 (9.2 - 65.9)
2021	Freshwater aquatic mosses	VISÉ (LIXHE)	Ra-228	Bq/kg	4	2	< 22.95 (17.5 - 28.4)	2	30.85 (21 - 40.7)
2021	Freshwater aquatic mosses	VISÉ (LIXHE)	Th-228	Bq/kg	4	2	< 6.815 (6.33 - 7.3)	2	17.16 (9.32 - 25)
2021	Freshwater aquatic mosses	VISÉ (LIXHE)	Zn-65	Bq/kg	4	4	< 12.46 (7.12 - 15.6)	0	
2021	Freshwater mussels	ANDENNE (GIVES)	Ag-110m	Bq/kg	4	4	< 1.438 (0.883 - 2.1)	0	
2021	Freshwater mussels	ANDENNE (GIVES)	Be-7	Bq/kg	4	0		4	44.65 (16.5 - 66.4)
2021	Freshwater mussels	ANDENNE (GIVES)	Co-57	Bq/kg	4	4	< 0.7505 (0.489 - 0.952)	0	
2021	Freshwater mussels	ANDENNE (GIVES)	Co-58	Bq/kg	4	4	< 1.668 (1.05 - 2.53)	0	
2021	Freshwater mussels	ANDENNE (GIVES)	Co-60	Bq/kg	4	4	< 1.276 (0.766 - 2.01)	0	
2021	Freshwater mussels	ANDENNE (GIVES)	Cs-134	Bq/kg	4	4	< 1.206 (0.746 - 1.72)	0	
2021	Freshwater mussels	ANDENNE (GIVES)	Cs-137	Bq/kg	4	3	< 0.9427 (0.606 - 1.47)	1	0.915
2021	Freshwater mussels	ANDENNE (GIVES)	H-3	Bq/kg	4	1	< 9.93	3	21.33 (16.5 - 28.4)
2021	Freshwater mussels	ANDENNE (GIVES)	I-131	Bq/kg	4	4	< 80.68 (28 - 138)	0	
2021	Freshwater mussels	ANDENNE (GIVES)	K-40	Bq/kg	4	0		4	54.1 (3.5 - 139)
2021	Freshwater mussels	ANDENNE (GIVES)	Mn-54	Bq/kg	4	4	< 1.233 (0.776 - 1.92)	0	
2021	Freshwater mussels	ANDENNE (GIVES)	Nb-95	Bq/kg	4	4	< 3.215 (1.82 - 5.05)	0	
2021	Freshwater mussels	ANDENNE (GIVES)	Ra-226	Bq/kg	4	0		4	12.68 (10.2 - 18.4)
2021	Freshwater mussels	ANDENNE (GIVES)	Ra-228	Bq/kg	4	0		4	9.822 (7.38 - 15.8)
2021	Freshwater mussels	ANDENNE (GIVES)	Th-228	Bq/kg	4	4		4	8.482 (3.79 - 17)
2021	Freshwater mussels	ANDENNE (GIVES)	Zn-65	Bq/kg	4	4	< 2.985 (1.87 - 4.49)	0	
2021	Freshwater mussels	HUY	Ag-110m	Bq/kg	3	3	< 2.007 (1.74 - 2.32)	0	
2021	Freshwater mussels	HUY	Be-7	Bq/kg	3	2	< 24 (23 - 25)	1	21
2021	Freshwater mussels	HUY	Co-57	Bq/kg	3	3	< 1.004 (0.8 - 1.25)	0	
2021	Freshwater mussels	HUY	Co-58	Bq/kg	3	3	< 2.167 (1.87 - 2.38)	0	
2021	Freshwater mussels	HUY	Co-60	Bq/kg	3	3	< 1.787 (1.59 - 1.94)	0	
2021	Freshwater mussels	HUY	Cs-134	Bq/kg	3	3	< 1.627 (1.5 - 1.88)	0	
2021	Freshwater mussels	HUY	Cs-137	Bq/kg	3	3	< 1.627 (1.35 - 1.91)	0	
2021	Freshwater mussels	HUY	H-3	Bq/kg	3	1	< 18.3	2	15.45 (15 - 15.9)
2021	Freshwater mussels	HUY	I-131	Bq/kg	3	3	< 78.6 (46.1 - 122)	0	
2021	Freshwater mussels	HUY	K-40	Bq/kg	3	1	< 29.9	2	11.05 (4.5 - 17.6)
2021	Freshwater mussels	HUY	Mn-54	Bq/kg	3	3	< 1.683 (1.49 - 1.85)	0	
2021	Freshwater mussels	HUY	Nb-95	Bq/kg	3	3	< 3.69 (3.1 - 4.01)	0	
2021	Freshwater mussels	HUY	Ra-226	Bq/kg	3	0		3	6.53 (5.85 - 6.99)
2021	Freshwater mussels	HUY	Ra-228	Bq/kg	3	1	< 6.19	2	7.7 (6.37 - 9.03)
2021	Freshwater mussels	HUY	Th-228	Bq/kg	3	2	< 3.395 (3.14 - 3.65)	1	3.23
2021	Freshwater mussels	HUY	Zn-65	Bq/kg	3	3	< 3.903 (3.55 - 4.36)	0	
2021	Freshwater mussels	LIVES-SUR-MEUSE	Ag-110m	Bq/kg	1	1	< 2.76	0	
2021	Freshwater mussels	LIVES-SUR-MEUSE	Be-7	Bq/kg	1	1	< 28.7	0	
2021	Freshwater mussels	LIVES-SUR-MEUSE	Co-57	Bq/kg	1	1	< 1.45	0	
2021	Freshwater mussels	LIVES-SUR-MEUSE	Co-58	Bq/kg	1	1	< 2.83	0	
2021	Freshwater mussels	LIVES-SUR-MEUSE	Co-60	Bq/kg	1	1	< 2.21	0	
2021	Freshwater mussels	LIVES-SUR-MEUSE	Cs-134	Bq/kg	1	1	< 2.23	0	
2021	Freshwater mussels	LIVES-SUR-MEUSE	Cs-137	Bq/kg	1	1	< 1.38	0	

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2021	Freshwater mussels	LIVES-SUR-MEUSE	H-3	Bq/kg	1	0		1	24
2021	Freshwater mussels	LIVES-SUR-MEUSE	I-131	Bq/kg	1	1	< 78.5	0	
2021	Freshwater mussels	LIVES-SUR-MEUSE	K-40	Bq/kg	1	0		1	9.8
2021	Freshwater mussels	LIVES-SUR-MEUSE	Mn-54	Bq/kg	1	1	< 2.16	0	
2021	Freshwater mussels	LIVES-SUR-MEUSE	Nb-95	Bq/kg	1	1	< 5	0	
2021	Freshwater mussels	LIVES-SUR-MEUSE	Ra-226	Bq/kg	1	0		1	18.4
2021	Freshwater mussels	LIVES-SUR-MEUSE	Ra-228	Bq/kg	1	0		1	13.5
2021	Freshwater mussels	LIVES-SUR-MEUSE	Th-228	Bq/kg	1	0		1	9.12
2021	Freshwater mussels	LIVES-SUR-MEUSE	Zn-65	Bq/kg	1	1	< 5.55	0	
2021	Freshwater mussels	VISÉ (LIXHE)	Ag-110m	Bq/kg	4	4	< 1.504 (0.841 - 2.44)	0	
2021	Freshwater mussels	VISÉ (LIXHE)	Be-7	Bq/kg	4	2	< 19.6 (17.4 - 21.8)	2	17.65 (14.5 - 20.8)
2021	Freshwater mussels	VISÉ (LIXHE)	Co-57	Bq/kg	4	4	< 0.805 (0.479 - 1.31)	0	
2021	Freshwater mussels	VISÉ (LIXHE)	Co-58	Bq/kg	4	4	< 1.702 (1.05 - 2.51)	0	
2021	Freshwater mussels	VISÉ (LIXHE)	Co-60	Bq/kg	4	4	< 1.304 (0.774 - 1.94)	0	
2021	Freshwater mussels	VISÉ (LIXHE)	Cs-134	Bq/kg	4	4	< 1.243 (0.695 - 2)	0	
2021	Freshwater mussels	VISÉ (LIXHE)	Cs-137	Bq/kg	4	4	< 0.9832 (0.61 - 1.43)	0	
2021	Freshwater mussels	VISÉ (LIXHE)	H-3	Bq/kg	4	3	< 13.41 (9.46 - 21.2)	1	23.6
2021	Freshwater mussels	VISÉ (LIXHE)	I-131	Bq/kg	4	4	< 71.7 (54.3 - 101)	0	
2021	Freshwater mussels	VISÉ (LIXHE)	K-40	Bq/kg	4	0		4	14.82 (5.3 - 36.1)
2021	Freshwater mussels	VISÉ (LIXHE)	Mn-54	Bq/kg	4	4	< 1.239 (0.75 - 1.9)	0	
2021	Freshwater mussels	VISÉ (LIXHE)	Nb-95	Bq/kg	4	4	< 3.03 (2.06 - 4.19)	0	
2021	Freshwater mussels	VISÉ (LIXHE)	Ra-226	Bq/kg	4	0		4	11.86 (9.36 - 15.6)
2021	Freshwater mussels	VISÉ (LIXHE)	Ra-228	Bq/kg	4	0		4	8.802 (7.17 - 11.3)
2021	Freshwater mussels	VISÉ (LIXHE)	Th-228	Bq/kg	4	0		4	5.345 (3.79 - 8.32)
2021	Freshwater mussels	VISÉ (LIXHE)	Zn-65	Bq/kg	4	4	< 3.048 (1.74 - 4.91)	0	
2021	Wastewater power plant	TIHANGE-Purging steam generators	Ag-110m	Bq/l	13	13	< 1.737 (0.676 - 2.08)	0	
2021	Wastewater power plant	TIHANGE-Purging steam generators	Be-7	Bq/l	13	13	< 19.04 (6.28 - 32.2)	0	
2021	Wastewater power plant	TIHANGE-Purging steam generators	Ce-141	Bq/l	13	13	< 4.981 (1.01 - 11.6)	0	
2021	Wastewater power plant	TIHANGE-Purging steam generators	Ce-144	Bq/l	13	13	< 8.429 (2.36 - 10.2)	0	
2021	Wastewater power plant	TIHANGE-Purging steam generators	Co-57	Bq/l	13	13	< 1.044 (0.29 - 1.25)	0	
2021	Wastewater power plant	TIHANGE-Purging steam generators	Co-58	Bq/l	13	13	< 1.884 (0.746 - 3.06)	0	
2021	Wastewater power plant	TIHANGE-Purging steam generators	Co-60	Bq/l	13	13	< 1.33 (0.673 - 1.45)	0	
2021	Wastewater power plant	TIHANGE-Purging steam generators	Cr-51	Bq/l	13	13	< 35.99 (7.53 - 94.3)	0	
2021	Wastewater power plant	TIHANGE-Purging steam generators	Cs-134	Bq/l	13	13	< 1.446 (0.613 - 1.58)	0	
2021	Wastewater power plant	TIHANGE-Purging steam generators	Cs-137	Bq/l	13	13	< 1.447 (0.585 - 1.63)	0	
2021	Wastewater power plant	TIHANGE-Purging steam generators	Fe-59	Bq/l	13	13	< 4.625 (1.78 - 8.84)	0	
2021	Wastewater power plant	TIHANGE-Purging steam generators	H-3	Bq/l	13	0		13	400.9 (137 - 920)
2021	Wastewater power plant	TIHANGE-Purging steam generators	I-131	Bq/l	13	13	< 304 (4.69 - 2170)	0	
2021	Wastewater power plant	TIHANGE-Purging steam generators	Mn-54	Bq/l	13	13	< 1.377 (0.591 - 1.58)	0	
2021	Wastewater power plant	TIHANGE-Purging steam generators	Nb-95	Bq/l	13	13	< 3.346 (0.954 - 7.48)	0	
2021	Wastewater power plant	TIHANGE-Purging steam generators	Ru-103	Bq/l	13	13	< 2.869 (0.842 - 5.87)	0	
2021	Wastewater power plant	TIHANGE-Purging steam generators	Ru-106	Bq/l	13	13	< 13.07 (5.65 - 14.6)	0	
2021	Wastewater power plant	TIHANGE-Purging steam generators	Sb-124	Bq/l	13	13	< 2.256 (0.813 - 3.8)	0	
2021	Wastewater power plant	TIHANGE-Purging steam generators	Sb-125	Bq/l	13	13	< 3.78 (1.62 - 4.09)	0	
2021	Wastewater power plant	TIHANGE-Purging steam generators	Sn-113	Bq/l	13	13	< 2.155 (0.751 - 2.99)	0	
2021	Wastewater power plant	TIHANGE-Purging steam generators	Te-123m	Bq/l	13	13	< 1.255 (0.369 - 1.69)	0	
2021	Wastewater power plant	TIHANGE-Purging steam generators	Zn-65	Bq/l	13	13	< 3.176 (1.44 - 3.89)	0	
2021	Wastewater power plant	TIHANGE-Purging steam generators	Zr-95	Bq/l	13	13	< 3.638 (1.24 - 5.79)	0	
2021	Wastewater power plant	TIHANGE-Primary effluents	Ag-108m	Bq/l	14	11	< 1.865 (1.68 - 2.16)	3	3.153 (1.63 - 4.01)
2021	Wastewater power plant	TIHANGE-Primary effluents	Ag-110m	Bq/l	14	1	< 3.32	13	14.44 (3.94 - 33.3)
2021	Wastewater power plant	TIHANGE-Primary effluents	Be-7	Bq/l	14	14	< 26.53 (18.4 - 38.6)	0	
2021	Wastewater power plant	TIHANGE-Primary effluents	Ce-141	Bq/l	14	14	< 5.793 (2.93 - 11.6)	0	
2021	Wastewater power plant	TIHANGE-Primary effluents	Ce-144	Bq/l	14	14	< 10.38 (9.13 - 12.1)	0	
2021	Wastewater power plant	TIHANGE-Primary effluents	Co-57	Bq/l	14	14	< 1.299 (1.14 - 1.52)	0	
2021	Wastewater power plant	TIHANGE-Primary effluents	Co-58	Bq/l	14	2	< 4.985 (3.52 - 6.45)	12	12.55 (2.55 - 30.1)
2021	Wastewater power plant	TIHANGE-Primary effluents	Co-60	Bq/l	14	0		14	74.21 (17.7 - 389)
2021	Wastewater power plant	TIHANGE-Primary effluents	Cr-51	Bq/l	14	14	< 44.39 (19.4 - 93.3)	0	
2021	Wastewater power plant	TIHANGE-Primary effluents	Cs-134	Bq/l	14	14	< 2.306 (1.9 - 3.43)	0	

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2021	Wastewater power plant	TIHANGE-Primary effluents	Cs-137	Bq/l	14	0		14	20.41 (4.99 - 43.4)
2021	Wastewater power plant	TIHANGE-Primary effluents	Fe-59	Bq/l	14	14	< 6.576 (4.12 - 9.83)	0	
2021	Wastewater power plant	TIHANGE-Primary effluents	H-3	Bq/l	14	0		14	2736000 (379000 - 7420000)
2021	Wastewater power plant	TIHANGE-Primary effluents	I-131	Bq/l	14	14	< 269.5 (5.9 - 1830)	0	
2021	Wastewater power plant	TIHANGE-Primary effluents	Mn-54	Bq/l	14	2	< 1.835 (1.82 - 1.85)	12	4.899 (1.85 - 10.6)
2021	Wastewater power plant	TIHANGE-Primary effluents	Nb-95	Bq/l	14	14	< 4.97 (2.94 - 8.86)	0	
2021	Wastewater power plant	TIHANGE-Primary effluents	Ru-103	Bq/l	14	14	< 3.841 (2.31 - 6.72)	0	
2021	Wastewater power plant	TIHANGE-Primary effluents	Ru-106	Bq/l	14	14	< 18.51 (15 - 27.7)	0	
2021	Wastewater power plant	TIHANGE-Primary effluents	Sb-124	Bq/l	14	7	< 3.733 (2.51 - 5.2)	7	5.75 (2.53 - 12.6)
2021	Wastewater power plant	TIHANGE-Primary effluents	Sb-125	Bq/l	14	5	< 5.484 (4.8 - 6.04)	9	24.43 (10.4 - 76.2)
2021	Wastewater power plant	TIHANGE-Primary effluents	Sn-113	Bq/l	14	14	< 2.941 (2.3 - 3.58)	0	
2021	Wastewater power plant	TIHANGE-Primary effluents	Te-123m	Bq/l	14	13	< 1.575 (1.31 - 1.85)	1	1.74
2021	Wastewater power plant	TIHANGE-Primary effluents	Zn-65	Bq/l	14	14	< 4.743 (3.67 - 8.22)	0	
2021	Wastewater power plant	TIHANGE-Primary effluents	Zr-95	Bq/l	14	14	< 5.015 (3.54 - 7.33)	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/m² or Bq/m³ (DL: detection limit).

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2021	Outdoor air	FLEURUS	Be-7	Bq/m ³	13	0		13	0.003395 (0.00133 - 0.00764)
2021	Outdoor air	FLEURUS	Ce-141	Bq/m ³	13	13	< 0.0002049 (2.47e-05 - 0.00096)	0	
2021	Outdoor air	FLEURUS	Ce-144	Bq/m ³	13	13	< 0.0001973 (4.67e-05 - 0.000727)	0	
2021	Outdoor air	FLEURUS	Cs-134	Bq/m ³	13	13	< 6.327e-05 (1.53e-05 - 0.000241)	0	
2021	Outdoor air	FLEURUS	Cs-137	Bq/m ³	13	13	< 5.436e-05 (1.35e-05 - 0.000224)	0	
2021	Outdoor air	FLEURUS	I-131	Bq/m ³	13	13	< 0.06837 (8.67e-05 - 0.609)	0	
2021	Outdoor air	FLEURUS	K-40	Bq/m ³	13	0		13	0.002768 (0.000588 - 0.0124)
2021	Outdoor air	FLEURUS	Nb-95	Bq/m ³	13	13	< 0.0002021 (2.64e-05 - 0.00093)	0	
2021	Outdoor air	FLEURUS	Ru-103	Bq/m ³	13	13	< 0.0001502 (2.07e-05 - 0.000661)	0	
2021	Outdoor air	FLEURUS	Ru-106	Bq/m ³	13	13	< 0.0005107 (0.000125 - 0.00189)	0	
2021	Outdoor air	FLEURUS	T-Beta	Bq/m ³	338	127	< 0.0008177 (0.000146 - 0.00314)	211	0.0008234 (8.72e-05 - 0.012)
2021	Outdoor air	FLEURUS	Zr-95	Bq/m ³	13	13	< 0.0001757 (3.38e-05 - 0.000695)	0	
2021	Total deposition filtered	FLEURUS	Be-7	Bq/m ²	13	6	< 15.77 (13.6 - 17.3)	7	27.1 (20.8 - 43.1)
2021	Total deposition filtered	FLEURUS	Ce-141	Bq/m ²	13	13	< 4.354 (3.41 - 7.67)	0	
2021	Total deposition filtered	FLEURUS	Ce-144	Bq/m ²	13	13	< 10.7 (9.96 - 11.7)	0	
2021	Total deposition filtered	FLEURUS	Cs-134	Bq/m ²	13	13	< 1.442 (1.32 - 1.61)	0	
2021	Total deposition filtered	FLEURUS	Cs-137	Bq/m ²	13	13	< 1.569 (1.46 - 1.73)	0	
2021	Total deposition filtered	FLEURUS	H-3	Bq/m ²	13	12	< 252.4 (94.2 - 587)	1	537
2021	Total deposition filtered	FLEURUS	I-131	Bq/m ²	13	13	< 21.02 (6.3 - 134)	0	
2021	Total deposition filtered	FLEURUS	K-40	Bq/m ²	13	8	< 1.615 (0.5488 - 3.393)	5	2.645 (1.227 - 3.213)
2021	Total deposition filtered	FLEURUS	Nb-95	Bq/m ²	13	13	< 2.528 (2.02 - 4.04)	0	
2021	Total deposition filtered	FLEURUS	R-Beta	Bq/l	13	10	< 0.01673 (0.0167 - 0.0168)	3	0.03213 (0.0255 - 0.0391)
2021	Total deposition filtered	FLEURUS	Ru-103	Bq/m ²	13	13	< 2.179 (1.85 - 3.34)	0	
2021	Total deposition filtered	FLEURUS	Ru-106	Bq/m ²	13	13	< 13.55 (12.5 - 15.1)	0	
2021	Total deposition filtered	FLEURUS	T-Alfa	Bq/m ²	13	0		13	0.3308 (0.124 - 0.5)
2021	Total deposition filtered	FLEURUS	T-Beta	Bq/m ²	13	0		13	2.566 (1.46 - 4.49)
2021	Total deposition filtered	FLEURUS	Zr-95	Bq/m ²	13	13	< 3.331 (2.94 - 4.42)	0	
2021	Total deposition residue	FLEURUS	Be-7	Bq/m ²	13	0		13	27.58 (9.59 - 97.4)
2021	Total deposition residue	FLEURUS	Ce-141	Bq/m ²	13	13	< 1.508 (0.787 - 2.65)	0	
2021	Total deposition residue	FLEURUS	Ce-144	Bq/m ²	13	13	< 3.593 (1.64 - 6.82)	0	
2021	Total deposition residue	FLEURUS	Cs-134	Bq/m ²	13	13	< 0.7055 (0.318 - 1.3)	0	
2021	Total deposition residue	FLEURUS	Cs-137	Bq/m ²	13	13	< 0.6782 (0.31 - 1.31)	0	
2021	Total deposition residue	FLEURUS	I-131	Bq/m ²	13	13	< 6.768 (3.57 - 21.6)	0	
2021	Total deposition residue	FLEURUS	K-40	Bq/m ²	13	13	< 9.974 (4.21 - 19.1)	0	
2021	Total deposition residue	FLEURUS	Nb-95	Bq/m ²	13	13	< 1.072 (0.57 - 1.88)	0	
2021	Total deposition residue	FLEURUS	Ru-103	Bq/m ²	13	13	< 0.9936 (0.489 - 1.73)	0	
2021	Total deposition residue	FLEURUS	Ru-106	Bq/m ²	13	13	< 6.328 (2.9 - 11.7)	0	
2021	Total deposition residue	FLEURUS	T-Alfa	Bq/m ²	13	0		13	0.6631 (0.181 - 1.17)
2021	Total deposition residue	FLEURUS	T-Beta	Bq/m ²	13	0		13	2.928 (0.953 - 7.6)
2021	Total deposition residue	FLEURUS	Zr-95	Bq/m ²	13	13	< 1.478 (0.72 - 2.7)	0	
2021	Topsoil and grass	FLEURUS	Ag-110m	Bq/kg	1	1	< 1.54	0	
2021	Topsoil and grass	FLEURUS	Be-7	Bq/kg	1	1	< 14.4	0	
2021	Topsoil and grass	FLEURUS	Co-57	Bq/kg	1	1	< 0.772	0	
2021	Topsoil and grass	FLEURUS	Co-58	Bq/kg	1	1	< 1.53	0	
2021	Topsoil and grass	FLEURUS	Co-60	Bq/kg	1	1	< 1.01	0	
2021	Topsoil and grass	FLEURUS	Cs-134	Bq/kg	1	1	< 1.16	0	
2021	Topsoil and grass	FLEURUS	Cs-137	Bq/kg	1	0		1	5.58
2021	Topsoil and grass	FLEURUS	I-131	Bq/kg	1	1	< 49.8	0	
2021	Topsoil and grass	FLEURUS	K-40	Bq/kg	1	0		1	390
2021	Topsoil and grass	FLEURUS	Mn-54	Bq/kg	1	1	< 1.07	0	
2021	Topsoil and grass	FLEURUS	Ra-226	Bq/kg	1	0		1	47.7
2021	Topsoil and grass	FLEURUS	Ra-228	Bq/kg	1	0		1	36.6
2021	Topsoil and grass	FLEURUS	Ru-106	Bq/kg	1	1	< 9.62	0	
2021	Topsoil and grass	FLEURUS	Sb-125	Bq/kg	1	1	< 3.3	0	
2021	Topsoil and grass	FLEURUS	Th-228	Bq/kg	1	0		1	39.5

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2021	Topsoil and grass	FLEURUS	Zn-65	Bq/kg	1	1	< 3.3	0	
2021	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Ag-110m	Bq/kg	4	4	< 3.725 (2.13 - 5.72)	0	
2021	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Be-7	Bq/kg	4	0		4	298.5 (249 - 370)
2021	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Co-57	Bq/kg	4	4	< 1.512 (0.986 - 2.12)	0	
2021	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Co-58	Bq/kg	4	4	< 4.602 (2.6 - 6.88)	0	
2021	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Co-60	Bq/kg	4	4	< 3.64 (2.19 - 5.38)	0	
2021	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Cs-134	Bq/kg	4	4	< 3.038 (1.75 - 4.54)	0	
2021	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Cs-137	Bq/kg	4	4	< 3.05 (1.67 - 4.78)	0	
2021	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	H-3	Bq/kg	4	3	< 19 (18.7 - 19.3)	1	28.4
2021	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	I-131	Bq/kg	4	4	< 126.9 (34.7 - 232)	0	
2021	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	K-40	Bq/kg	4	0		4	376.2 (207 - 479)
2021	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Mn-54	Bq/kg	4	4	< 3.488 (2.09 - 5.03)	0	
2021	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Nb-95	Bq/kg	4	4	< 7.135 (3.66 - 10.8)	0	
2021	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Ra-226	Bq/kg	4	4	< 5.875 (3.49 - 8.99)	0	
2021	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Ra-228	Bq/kg	4	4	< 13.66 (7.98 - 19.4)	0	
2021	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Th-228	Bq/kg	4	4	< 4.272 (2.75 - 6.11)	0	
2021	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Zn-65	Bq/kg	4	4	< 7.77 (4.86 - 11.1)	0	
2021	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Ag-110m	Bq/kg	4	4	< 5.58 (5.15 - 6.69)	0	
2021	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Be-7	Bq/kg	4	0		4	219.2 (139 - 384)
2021	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Co-57	Bq/kg	4	4	< 2.238 (1.95 - 2.45)	0	
2021	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Co-58	Bq/kg	4	4	< 6.132 (5.06 - 7.69)	0	
2021	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Co-60	Bq/kg	4	4	< 5.25 (4.19 - 6.55)	0	
2021	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Cs-134	Bq/kg	4	4	< 4.43 (4.03 - 5.04)	0	
2021	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Cs-137	Bq/kg	4	3	< 4.253 (3.35 - 5.76)	1	4.75
2021	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	H-3	Bq/kg	4	3	< 18.23 (17.6 - 19.4)	1	34.8
2021	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	I-131	Bq/kg	4	4	< 135.1 (70.3 - 176)	0	
2021	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	K-40	Bq/kg	4	0		4	347 (285 - 438)
2021	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Mn-54	Bq/kg	4	4	< 4.85 (3.84 - 6.08)	0	
2021	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Nb-95	Bq/kg	4	4	< 10.19 (9.03 - 12.2)	0	
2021	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Ra-226	Bq/kg	4	0		4	46.62 (39.7 - 55.9)
2021	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Ra-228	Bq/kg	4	0		4	27.32 (26.3 - 29.5)
2021	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Th-228	Bq/kg	4	0		4	25.72 (24.4 - 27.3)
2021	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	Zn-65	Bq/kg	4	4	< 11.72 (10.8 - 14.1)	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/m² or Bq/m³, except C-14 that is expressed in Bq/g of stable carbone (DL: detection limit).

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2021	Total deposition filtered	HEER-AGIMONT	Be-7	Bq/m ²	13	3	< 18.07 (15.8 - 21.3)	10	30.62 (15.7 - 63.3)
2021	Total deposition filtered	HEER-AGIMONT	Ce-141	Bq/m ²	13	13	< 4.247 (2.18 - 7.18)	0	
2021	Total deposition filtered	HEER-AGIMONT	Ce-144	Bq/m ²	13	13	< 10.35 (5.82 - 11.3)	0	
2021	Total deposition filtered	HEER-AGIMONT	Cs-134	Bq/m ²	13	13	< 1.437 (0.765 - 1.63)	0	
2021	Total deposition filtered	HEER-AGIMONT	Cs-137	Bq/m ²	13	13	< 1.514 (0.772 - 1.73)	0	
2021	Total deposition filtered	HEER-AGIMONT	H-3	Bq/m ²	13	12	< 247.5 (67.6 - 668)	1	738
2021	Total deposition filtered	HEER-AGIMONT	I-131	Bq/m ²	13	13	< 23.98 (4.96 - 159)	0	
2021	Total deposition filtered	HEER-AGIMONT	K-40	Bq/m ²	13	12	< 1.557 (0.4572 - 3.865)	1	0.9862
2021	Total deposition filtered	HEER-AGIMONT	Nb-95	Bq/m ²	13	13	< 2.591 (1.1 - 4.6)	0	
2021	Total deposition filtered	HEER-AGIMONT	R-Beta	Bq/l	13	7	< 0.01673 (0.0167 - 0.0168)	6	0.03018 (0.0185 - 0.0613)
2021	Total deposition filtered	HEER-AGIMONT	Ru-103	Bq/m ²	13	13	< 2.235 (1.06 - 3.78)	0	
2021	Total deposition filtered	HEER-AGIMONT	Ru-106	Bq/m ²	13	13	< 13.64 (6.45 - 16.4)	0	
2021	Total deposition filtered	HEER-AGIMONT	T-Alfa	Bq/m ²	13	0		13	0.2132 (0.113 - 0.319)
2021	Total deposition filtered	HEER-AGIMONT	T-Beta	Bq/m ²	13	0		13	2.188 (1.38 - 3.66)
2021	Total deposition filtered	HEER-AGIMONT	Zr-95	Bq/m ²	13	13	< 3.331 (1.55 - 4.6)	0	
2021	Total deposition residue	HEER-AGIMONT	Be-7	Bq/m ²	13	0		13	24.28 (9.28 - 46.2)
2021	Total deposition residue	HEER-AGIMONT	Ce-141	Bq/m ²	13	13	< 1.855 (1.35 - 3.03)	0	
2021	Total deposition residue	HEER-AGIMONT	Ce-144	Bq/m ²	13	13	< 4.082 (3.2 - 7.09)	0	
2021	Total deposition residue	HEER-AGIMONT	Cs-134	Bq/m ²	13	13	< 0.7804 (0.597 - 1.32)	0	
2021	Total deposition residue	HEER-AGIMONT	Cs-137	Bq/m ²	13	13	< 0.7668 (0.531 - 1.3)	0	
2021	Total deposition residue	HEER-AGIMONT	I-131	Bq/m ²	13	13	< 11.88 (5.26 - 32.7)	0	
2021	Total deposition residue	HEER-AGIMONT	K-40	Bq/m ²	13	13	< 10.96 (8.63 - 19)	0	
2021	Total deposition residue	HEER-AGIMONT	Nb-95	Bq/m ²	13	13	< 1.32 (0.955 - 2.17)	0	
2021	Total deposition residue	HEER-AGIMONT	Ru-103	Bq/m ²	13	13	< 1.197 (0.852 - 1.99)	0	
2021	Total deposition residue	HEER-AGIMONT	Ru-106	Bq/m ²	13	13	< 7.058 (5.45 - 12)	0	
2021	Total deposition residue	HEER-AGIMONT	T-Alfa	Bq/m ²	13	0		13	0.9643 (0.27 - 2.25)
2021	Total deposition residue	HEER-AGIMONT	T-Beta	Bq/m ²	13	0		13	3.527 (1.15 - 7.08)
2021	Total deposition residue	HEER-AGIMONT	Zr-95	Bq/m ²	13	13	< 1.722 (1.24 - 2.8)	0	
2021	Topsoil and grass	CHOOZ	Ag-110m	Bq/kg	12	12	< 1.554 (1.34 - 1.76)	0	
2021	Topsoil and grass	CHOOZ	Am-241	Bq/kg	4	2	< 5.645 (1.77 - 9.52)	2	4.97 (4.72 - 5.22)
2021	Topsoil and grass	CHOOZ	Be-7	Bq/kg	12	12	< 18.06 (16.5 - 21.2)	0	
2021	Topsoil and grass	CHOOZ	Co-57	Bq/kg	12	12	< 0.831 (0.775 - 0.884)	0	
2021	Topsoil and grass	CHOOZ	Co-58	Bq/kg	12	12	< 1.905 (1.62 - 2.38)	0	
2021	Topsoil and grass	CHOOZ	Co-60	Bq/kg	12	12	< 1.27 (1.06 - 1.65)	0	
2021	Topsoil and grass	CHOOZ	Cs-134	Bq/kg	12	12	< 1.195 (1.1 - 1.42)	0	
2021	Topsoil and grass	CHOOZ	Cs-137	Bq/kg	12	0		12	3.91 (1.95 - 6.7)
2021	Topsoil and grass	CHOOZ	I-131	Bq/kg	12	12	< 168.9 (63.5 - 296)	0	
2021	Topsoil and grass	CHOOZ	K-40	Bq/kg	12	0		12	533.1 (283 - 939)
2021	Topsoil and grass	CHOOZ	Mn-54	Bq/kg	12	12	< 1.322 (1.15 - 1.68)	0	
2021	Topsoil and grass	CHOOZ	Pu-(239+240)	Bq/kg	4	4	< 1.27 (1.08 - 1.68)	0	
2021	Topsoil and grass	CHOOZ	Pu-238	Bq/kg	4	4	< 1.098 (0.244 - 1.69)	0	
2021	Topsoil and grass	CHOOZ	Ra-226	Bq/kg	12	0		12	42.91 (35.5 - 56.5)
2021	Topsoil and grass	CHOOZ	Ra-228	Bq/kg	12	0		12	41.68 (36.3 - 50.8)
2021	Topsoil and grass	CHOOZ	Ru-106	Bq/kg	12	12	< 10.79 (9.67 - 13.2)	0	
2021	Topsoil and grass	CHOOZ	Sb-125	Bq/kg	12	12	< 3.288 (3 - 3.86)	0	
2021	Topsoil and grass	CHOOZ	Sr-90	Bq/kg	12	12	< 2.172 (1.57 - 3.05)	0	
2021	Topsoil and grass	CHOOZ	Th-228	Bq/kg	16	0		16	48.08 (35.4 - 81.1)
2021	Topsoil and grass	CHOOZ	Th-230	Bq/kg	4	0		4	24.38 (19.8 - 36.4)
2021	Topsoil and grass	CHOOZ	Th-232	Bq/kg	4	0		4	39.28 (30.5 - 58.8)
2021	Topsoil and grass	CHOOZ	U-234	Bq/kg	4	0		4	17.25 (14.3 - 20.6)
2021	Topsoil and grass	CHOOZ	U-235	Bq/kg	4	2	< 2.225 (1.68 - 2.77)	2	0.878 (0.87 - 0.886)
2021	Topsoil and grass	CHOOZ	U-238	Bq/kg	4	0		4	18.45 (16.9 - 19.3)
2021	Topsoil and grass	CHOOZ	Zn-65	Bq/kg	12	12	< 3.384 (2.92 - 4.14)	0	
2021	Topsoil and grass	HEER-AGIMONT	Ag-110m	Bq/kg	1	1	< 1.54	0	
2021	Topsoil and grass	HEER-AGIMONT	Be-7	Bq/kg	1	1	< 14.6	0	

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2021	Topsoil and grass	HEER-AGIMONT	Co-57	Bq/kg	1	1	< 0.744	0	
2021	Topsoil and grass	HEER-AGIMONT	Co-58	Bq/kg	1	1	< 1.4	0	
2021	Topsoil and grass	HEER-AGIMONT	Co-60	Bq/kg	1	1	< 1.05	0	
2021	Topsoil and grass	HEER-AGIMONT	Cs-134	Bq/kg	1	1	< 1.05	0	
2021	Topsoil and grass	HEER-AGIMONT	Cs-137	Bq/kg	1	0		1	6.59
2021	Topsoil and grass	HEER-AGIMONT	I-131	Bq/kg	1	1	< 56.1	0	
2021	Topsoil and grass	HEER-AGIMONT	K-40	Bq/kg	1	0		1	310
2021	Topsoil and grass	HEER-AGIMONT	Mn-54	Bq/kg	1	1	< 1.04	0	
2021	Topsoil and grass	HEER-AGIMONT	Ra-226	Bq/kg	1	0		1	29.2
2021	Topsoil and grass	HEER-AGIMONT	Ra-228	Bq/kg	1	0		1	34.5
2021	Topsoil and grass	HEER-AGIMONT	Ru-106	Bq/kg	1	1	< 9.49	0	
2021	Topsoil and grass	HEER-AGIMONT	Sb-125	Bq/kg	1	1	< 2.96	0	
2021	Topsoil and grass	HEER-AGIMONT	Th-228	Bq/kg	1	0		1	39
2021	Topsoil and grass	HEER-AGIMONT	Zn-65	Bq/kg	1	1	< 2.94	0	
2021	Agricultural products around Chooz	CHOOZ	Ag-110m	Bq/kg	12	12	< 4.274 (2.45 - 5.57)	0	
2021	Agricultural products around Chooz	CHOOZ	Be-7	Bq/kg	12	6	< 40.73 (28.2 - 54.8)	6	95.83 (45.1 - 199)
2021	Agricultural products around Chooz	CHOOZ	C-14	Bq/g of stable carbon	12	0		12	0.3156 (0.25 - 0.356)
2021	Agricultural products around Chooz	CHOOZ	Co-57	Bq/kg	12	12	< 2.03 (1.11 - 2.73)	0	
2021	Agricultural products around Chooz	CHOOZ	Co-58	Bq/kg	12	12	< 5.385 (3.26 - 6.85)	0	
2021	Agricultural products around Chooz	CHOOZ	Co-60	Bq/kg	12	12	< 3.718 (2.31 - 4.63)	0	
2021	Agricultural products around Chooz	CHOOZ	Cs-134	Bq/kg	12	12	< 3.358 (1.94 - 4.38)	0	
2021	Agricultural products around Chooz	CHOOZ	Cs-137	Bq/kg	12	10	< 3.489 (2.14 - 4.61)	2	2.235 (1.41 - 3.06)
2021	Agricultural products around Chooz	CHOOZ	H-3	Bq/kg	12	11	< 21.02 (18.6 - 26.2)	1	47.7
2021	Agricultural products around Chooz	CHOOZ	I-131	Bq/kg	12	12	< 430.6 (157 - 705)	0	
2021	Agricultural products around Chooz	CHOOZ	K-40	Bq/kg	12	0		12	504.4 (265 - 919)
2021	Agricultural products around Chooz	CHOOZ	Mn-54	Bq/kg	12	12	< 3.57 (2.11 - 4.56)	0	
2021	Agricultural products around Chooz	CHOOZ	Ra-226	Bq/kg	12	9	< 6.444 (4.22 - 8.86)	3	9.633 (8.2 - 10.4)
2021	Agricultural products around Chooz	CHOOZ	Ra-228	Bq/kg	12	12	< 13.99 (8.14 - 18.4)	0	
2021	Agricultural products around Chooz	CHOOZ	Ru-106	Bq/kg	12	12	< 31.28 (18.3 - 42.4)	0	
2021	Agricultural products around Chooz	CHOOZ	Sb-125	Bq/kg	12	12	< 8.868 (5.04 - 11.1)	0	
2021	Agricultural products around Chooz	CHOOZ	Sr-90	Bq/kg	12	4	< 0.1568 (0.128 - 0.194)	8	0.4689 (0.238 - 0.96)
2021	Agricultural products around Chooz	CHOOZ	Th-228	Bq/kg	12	12	< 5.692 (2.96 - 8.02)	0	
2021	Agricultural products around Chooz	CHOOZ	Zn-65	Bq/kg	12	12	< 8.853 (5.16 - 11.5)	0	
2021	River water	HEER-AGIMONT	Be-7	Bq/l	26	26	< 1.463 (1.29 - 1.69)	0	
2021	River water	HEER-AGIMONT	Ce-141	Bq/l	26	26	< 0.335 (0.296 - 0.474)	0	
2021	River water	HEER-AGIMONT	Ce-144	Bq/l	26	26	< 1.079 (0.99 - 1.16)	0	
2021	River water	HEER-AGIMONT	Cs-134	Bq/l	26	26	< 0.1518 (0.141 - 0.168)	0	
2021	River water	HEER-AGIMONT	Cs-137	Bq/l	26	26	< 0.162 (0.129 - 0.181)	0	
2021	River water	HEER-AGIMONT	H-3	Bq/l	26	9	< 3.166 (2.81 - 3.93)	17	16.42 (3.93 - 36.7)
2021	River water	HEER-AGIMONT	I-131	Bq/l	26	26	< 0.5961 (0.312 - 1.99)	0	
2021	River water	HEER-AGIMONT	K-40	Bq/l	26	1	< 2.35	25	0.06477 (0.0531 - 0.0805)
2021	River water	HEER-AGIMONT	Nb-95	Bq/l	26	26	< 0.1999 (0.165 - 0.253)	0	
2021	River water	HEER-AGIMONT	R-Beta	Bq/l	26	20	< 0.1596 (0.0407 - 2.35)	6	0.075 (0.0448 - 0.175)
2021	River water	HEER-AGIMONT	Ru-103	Bq/l	26	26	< 0.1837 (0.164 - 0.224)	0	
2021	River water	HEER-AGIMONT	Ru-106	Bq/l	26	26	< 1.402 (1.27 - 1.58)	0	
2021	River water	HEER-AGIMONT	T-Alfa	Bq/l	26	20	< 0.02341 (0.0185 - 0.0349)	6	0.03008 (0.0103 - 0.0446)
2021	River water	HEER-AGIMONT	T-Beta	Bq/l	26	0		26	0.09504 (0.0502 - 0.245)
2021	River water	HEER-AGIMONT	Zr-95	Bq/l	26	26	< 0.3025 (0.26 - 0.367)	0	
2021	River sediments	HEER-AGIMONT	Ag-110m	Bq/kg	13	13	< 6.834 (1.6 - 33)	0	
2021	River sediments	HEER-AGIMONT	Be-7	Bq/kg	13	2	< 288 (143 - 433)	11	272.1 (92.5 - 469)
2021	River sediments	HEER-AGIMONT	Co-57	Bq/kg	13	13	< 2.984 (0.806 - 16.2)	0	
2021	River sediments	HEER-AGIMONT	Co-58	Bq/kg	13	13	< 8.089 (1.86 - 44.4)	0	
2021	River sediments	HEER-AGIMONT	Co-60	Bq/kg	13	6	< 8.593 (1.52 - 28.1)	7	5.713 (2.08 - 10.7)
2021	River sediments	HEER-AGIMONT	Cs-134	Bq/kg	13	13	< 5.139 (1.23 - 25.3)	0	
2021	River sediments	HEER-AGIMONT	Cs-137	Bq/kg	13	2	< 17.69 (9.07 - 26.3)	11	5.944 (3.66 - 8.04)
2021	River sediments	HEER-AGIMONT	I-131	Bq/kg	13	13	< 671.6 (60.7 - 5330)	0	
2021	River sediments	HEER-AGIMONT	K-40	Bq/kg	13	0		13	358 (274 - 562)
2021	River sediments	HEER-AGIMONT	Mn-54	Bq/kg	13	13	< 5.428 (1.45 - 25.9)	0	

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2021	River sediments	HEER-AGIMONT	Nb-95	Bq/kg	13	13	< 15.65 (3.87 - 84.1)	0	
2021	River sediments	HEER-AGIMONT	Ra-226	Bq/kg	13	0		13	49.15 (39 - 64.7)
2021	River sediments	HEER-AGIMONT	Ra-228	Bq/kg	13	2	< 74 (41 - 107)	11	40.85 (32.1 - 47.9)
2021	River sediments	HEER-AGIMONT	Th-228	Bq/kg	13	0		13	44.8 (35.2 - 66.4)
2021	River sediments	HEER-AGIMONT	U-238eq	Bq/kg	13	7	< 100 (22.9 - 381)	6	46.02 (36.3 - 51.8)
2021	River sediments	HEER-AGIMONT	Zn-65	Bq/kg	13	13	< 13.33 (3.41 - 64.8)	0	
2021	Freshwater aquatic plants	HEER-AGIMONT-RIVIÈRE-GODINNE	Ag-110m	Bq/kg	4	4	< 4.808 (2.09 - 7.18)	0	
2021	Freshwater aquatic plants	HEER-AGIMONT-RIVIÈRE-GODINNE	Be-7	Bq/kg	4	1	< 82.9	3	208 (106 - 273)
2021	Freshwater aquatic plants	HEER-AGIMONT-RIVIÈRE-GODINNE	Co-57	Bq/kg	4	4	< 1.98 (0.919 - 2.85)	0	
2021	Freshwater aquatic plants	HEER-AGIMONT-RIVIÈRE-GODINNE	Co-58	Bq/kg	4	4	< 5.968 (2.59 - 9.55)	0	
2021	Freshwater aquatic plants	HEER-AGIMONT-RIVIÈRE-GODINNE	Co-60	Bq/kg	4	4	< 4.895 (2.2 - 7.7)	0	
2021	Freshwater aquatic plants	HEER-AGIMONT-RIVIÈRE-GODINNE	Cs-134	Bq/kg	4	4	< 3.932 (1.62 - 6.07)	0	
2021	Freshwater aquatic plants	HEER-AGIMONT-RIVIÈRE-GODINNE	Cs-137	Bq/kg	4	4	< 4.022 (1.79 - 6.31)	0	
2021	Freshwater aquatic plants	HEER-AGIMONT-RIVIÈRE-GODINNE	H-3	Bq/kg	4	1	< 19.2	3	25.03 (20.4 - 29.5)
2021	Freshwater aquatic plants	HEER-AGIMONT-RIVIÈRE-GODINNE	I-131	Bq/kg	4	4	< 215.9 (86.5 - 393)	0	
2021	Freshwater aquatic plants	HEER-AGIMONT-RIVIÈRE-GODINNE	K-40	Bq/kg	4	0		4	581.5 (384 - 780)
2021	Freshwater aquatic plants	HEER-AGIMONT-RIVIÈRE-GODINNE	Mn-54	Bq/kg	4	4	< 4.288 (1.99 - 6.78)	0	
2021	Freshwater aquatic plants	HEER-AGIMONT-RIVIÈRE-GODINNE	Nb-95	Bq/kg	4	4	< 9.992 (4.28 - 17.1)	0	
2021	Freshwater aquatic plants	HEER-AGIMONT-RIVIÈRE-GODINNE	Ra-226	Bq/kg	4	2	< 8.055 (7.22 - 8.89)	2	13.82 (3.54 - 24.1)
2021	Freshwater aquatic plants	HEER-AGIMONT-RIVIÈRE-GODINNE	Ra-228	Bq/kg	4	3	< 13.5 (7.89 - 18.8)	1	32.9
2021	Freshwater aquatic plants	HEER-AGIMONT-RIVIÈRE-GODINNE	Th-228	Bq/kg	4	3	< 4.9 (2.5 - 6.32)	1	16
2021	Freshwater aquatic plants	HEER-AGIMONT-RIVIÈRE-GODINNE	Zn-65	Bq/kg	4	4	< 10.59 (5.23 - 16.8)	0	
2021	Freshwater aquatic mosses	HEER-AGIMONT-RIVIÈRE-GODINNE	Ag-110m	Bq/kg	4	4	< 7.792 (1.63 - 14)	0	
2021	Freshwater aquatic mosses	HEER-AGIMONT-RIVIÈRE-GODINNE	Be-7	Bq/kg	4	1	< 82.9	3	166.3 (104 - 202)
2021	Freshwater aquatic mosses	HEER-AGIMONT-RIVIÈRE-GODINNE	Co-57	Bq/kg	4	4	< 3.423 (0.82 - 6.86)	0	
2021	Freshwater aquatic mosses	HEER-AGIMONT-RIVIÈRE-GODINNE	Co-58	Bq/kg	4	4	< 8.992 (1.73 - 15.7)	0	
2021	Freshwater aquatic mosses	HEER-AGIMONT-RIVIÈRE-GODINNE	Co-60	Bq/kg	4	4	< 7.69 (1.5 - 12.2)	0	
2021	Freshwater aquatic mosses	HEER-AGIMONT-RIVIÈRE-GODINNE	Cs-134	Bq/kg	4	4	< 6.413 (1.27 - 11.9)	0	
2021	Freshwater aquatic mosses	HEER-AGIMONT-RIVIÈRE-GODINNE	Cs-137	Bq/kg	4	3	< 8.573 (6.31 - 12)	1	3.09
2021	Freshwater aquatic mosses	HEER-AGIMONT-RIVIÈRE-GODINNE	H-3	Bq/kg	4	3	< 18.4 (17.9 - 19.4)	1	28.3
2021	Freshwater aquatic mosses	HEER-AGIMONT-RIVIÈRE-GODINNE	I-131	Bq/kg	4	4	< 251.8 (21.4 - 393)	0	
2021	Freshwater aquatic mosses	HEER-AGIMONT-RIVIÈRE-GODINNE	K-40	Bq/kg	4	0		4	499.8 (330 - 780)
2021	Freshwater aquatic mosses	HEER-AGIMONT-RIVIÈRE-GODINNE	Mn-54	Bq/kg	4	4	< 6.775 (1.51 - 11.4)	0	
2021	Freshwater aquatic mosses	HEER-AGIMONT-RIVIÈRE-GODINNE	Nb-95	Bq/kg	4	4	< 15.06 (2.96 - 25.5)	0	
2021	Freshwater aquatic mosses	HEER-AGIMONT-RIVIÈRE-GODINNE	Ra-226	Bq/kg	4	0		4	38.6 (24.1 - 53.3)
2021	Freshwater aquatic mosses	HEER-AGIMONT-RIVIÈRE-GODINNE	Ra-228	Bq/kg	4	1	< 51.7	3	36.57 (32.9 - 42.1)
2021	Freshwater aquatic mosses	HEER-AGIMONT-RIVIÈRE-GODINNE	Th-228	Bq/kg	4	1	< 19.5	3	29.97 (16 - 46.9)
2021	Freshwater aquatic mosses	HEER-AGIMONT-RIVIÈRE-GODINNE	Zn-65	Bq/kg	4	4	< 16.86 (3.36 - 29.9)	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 and FBFC.

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

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2021	Outdoor air	MOL	Be-7	Bq/m ³	13	0		13	0.0033 (0.0022 - 0.0061)
2021	Outdoor air	MOL	Ce-141	Bq/m ³	13	13	< 5.269e-05 (1.8e-05 - 0.00013)	0	
2021	Outdoor air	MOL	Ce-144	Bq/m ³	13	13	< 6.469e-05 (1.9e-05 - 0.00012)	0	
2021	Outdoor air	MOL	Cs-134	Bq/m ³	13	13	< 9.615e-06 (4e-06 - 1.6e-05)	0	
2021	Outdoor air	MOL	Cs-137	Bq/m ³	13	12	< 1e-05 (5e-06 - 1.9e-05)	1	2.3e-05
2021	Outdoor air	MOL	I-131	Bq/m ³	13	13	< 0.004594 (0.00017 - 0.022)	0	
2021	Outdoor air	MOL	K-40	Bq/m ³	13	12	< 0.0001475 (6e-05 - 3e-04)	1	0.00051
2021	Outdoor air	MOL	Nb-95	Bq/m ³	13	13	< 3.323e-05 (1.3e-05 - 8e-05)	0	
2021	Outdoor air	MOL	Ru-103	Bq/m ³	13	13	< 2.785e-05 (1.2e-05 - 6e-05)	0	
2021	Outdoor air	MOL	Ru-106	Bq/m ³	13	13	< 9.538e-05 (4e-05 - 0.00017)	0	
2021	Outdoor air	MOL	Se-75	Bq/m ³	13	13	< 1.523e-05 (5e-06 - 2.9e-05)	0	
2021	Outdoor air	MOL	T-Alfa	Bq/m ³	355	102	< 7.922e-06 (5e-06 - 1.2e-05)	253	7.177e-05 (6e-06 - 0.014)
2021	Outdoor air	MOL	T-Beta	Bq/m ³	355	7	< 4.857e-05 (4e-05 - 5e-05)	348	0.000249 (2.2e-05 - 0.00101)
2021	Outdoor air	MOL	Zr-95	Bq/m ³	13	13	< 3.254e-05 (1.6e-05 - 6e-05)	0	
2021	Total deposition filtered	MOL	Be-7	Bq/m ²	13	0		13	32.31 (9 - 70)
2021	Total deposition filtered	MOL	Ce-141	Bq/m ²	13	13	< 2.362 (1.7 - 5)	0	
2021	Total deposition filtered	MOL	Ce-144	Bq/m ²	13	13	< 6.769 (5 - 14)	0	
2021	Total deposition filtered	MOL	Cs-134	Bq/m ²	13	13	< 0.8538 (0.6 - 1.9)	0	
2021	Total deposition filtered	MOL	Cs-137	Bq/m ²	13	13	< 0.8985 (0.09 - 2)	0	
2021	Total deposition filtered	MOL	H-3	Bq/m ²	13	11	< 872.7 (500 - 1600)	2	662.5 (125 - 1200)
2021	Total deposition filtered	MOL	I-131	Bq/m ²	13	13	< 5.069 (2.9 - 12)	0	
2021	Total deposition filtered	MOL	K-40	Bq/m ²	13	3	< 8.333 (8 - 9)	10	0.6458 (0.24 - 1.15)
2021	Total deposition filtered	MOL	Nb-95	Bq/m ²	13	13	< 1.3 (0.8 - 3)	0	
2021	Total deposition filtered	MOL	R-Beta	Bq/m ²	13	0		13	3.639 (2.24 - 7.6)
2021	Total deposition filtered	MOL	Ru-103	Bq/m ²	13	13	< 1.254 (0.8 - 2.8)	0	
2021	Total deposition filtered	MOL	Ru-106	Bq/m ²	13	13	< 8.231 (6 - 17)	0	
2021	Total deposition filtered	MOL	Se-75	Bq/m ²	13	13	< 1.338 (0.9 - 2.8)	0	
2021	Total deposition filtered	MOL	T-Alfa	Bq/m ²	13	0		13	0.8269 (0.37 - 1.23)
2021	Total deposition filtered	MOL	T-Beta	Bq/m ²	13	0		13	4.222 (2.61 - 8.3)
2021	Total deposition filtered	MOL	Zr-95	Bq/m ²	13	13	< 1.862 (1.2 - 4)	0	
2021	Total deposition residue	MOL	Be-7	Bq/m ²	13	0		13	55.88 (11.7 - 106)
2021	Total deposition residue	MOL	Ce-141	Bq/m ²	13	13	< 0.5723 (0.19 - 1.1)	0	
2021	Total deposition residue	MOL	Ce-144	Bq/m ²	13	13	< 1.554 (0.5 - 3)	0	
2021	Total deposition residue	MOL	Cs-134	Bq/m ²	13	13	< 0.2692 (0.13 - 0.4)	0	
2021	Total deposition residue	MOL	Cs-137	Bq/m ²	13	13	< 0.2877 (0.15 - 0.5)	0	
2021	Total deposition residue	MOL	I-131	Bq/m ²	13	13	< 1.662 (0.6 - 2.9)	0	
2021	Total deposition residue	MOL	K-40	Bq/m ²	13	13	< 4.762 (2 - 9)	0	
2021	Total deposition residue	MOL	Nb-95	Bq/m ²	13	13	< 0.4231 (0.2 - 0.7)	0	
2021	Total deposition residue	MOL	Ru-103	Bq/m ²	13	13	< 0.3946 (0.17 - 0.6)	0	
2021	Total deposition residue	MOL	Ru-106	Bq/m ²	13	13	< 2.654 (1.2 - 4)	0	
2021	Total deposition residue	MOL	Se-75	Bq/m ²	13	13	< 0.3323 (0.1 - 0.7)	0	
2021	Total deposition residue	MOL	T-Alfa	Bq/m ²	13	0		13	0.8131 (0.23 - 1.26)
2021	Total deposition residue	MOL	T-Beta	Bq/m ²	13	0		13	5.893 (1.28 - 11.7)
2021	Total deposition residue	MOL	Zr-95	Bq/m ²	13	13	< 0.6223 (0.29 - 1)	0	
2021	Topsoil and grass	MOL	Ag-110m	Bq/kg	1	1	< 0.6	0	
2021	Topsoil and grass	MOL	Am-241	Bq/kg	1	1	< 0.8	0	
2021	Topsoil and grass	MOL	Be-7	Bq/kg	1	1	< 5	0	
2021	Topsoil and grass	MOL	Co-57	Bq/kg	1	1	< 0.29	0	
2021	Topsoil and grass	MOL	Co-58	Bq/kg	1	1	< 0.5	0	
2021	Topsoil and grass	MOL	Co-60	Bq/kg	1	1	< 0.5	0	
2021	Topsoil and grass	MOL	Cs-134	Bq/kg	1	1	< 0.4	0	
2021	Topsoil and grass	MOL	Cs-137	Bq/kg	1	0		1	5.6
2021	Topsoil and grass	MOL	I-131	Bq/kg	1	1	< 3	0	
2021	Topsoil and grass	MOL	K-40	Bq/kg	1	0		1	122
2021	Topsoil and grass	MOL	Mn-54	Bq/kg	1	1	< 0.5	0	

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2021	Topsoil and grass	MOL	Pu-(239+240)	Bq/kg	1	1	< 1.3	0	
2021	Topsoil and grass	MOL	Pu-238	Bq/kg	1	1	< 2.1	0	
2021	Topsoil and grass	MOL	Ra-226	Bq/kg	1	0		1	12.3
2021	Topsoil and grass	MOL	Ra-228	Bq/kg	1	0		1	8.6
2021	Topsoil and grass	MOL	Th-228	Bq/kg	1	0		1	8.2
2021	Topsoil and grass	MOL	U-234	Bq/kg	1	0		1	8.7
2021	Topsoil and grass	MOL	U-235	Bq/kg	1	0		1	1.2
2021	Topsoil and grass	MOL	U-238	Bq/kg	2	0		2	9.2 (9 - 9.4)
2021	Topsoil and grass	MOL	Zn-65	Bq/kg	1	1	< 1.4	0	
2021	River water	MOL-GEEL	Am-241	Bq/l	13	1	< 0.00026	12	0.0006467 (0.00032 - 0.0017)
2021	River water	MOL-GEEL	Be-7	Bq/l	26	26	< 1.1 (0.5 - 1.8)	0	
2021	River water	MOL-GEEL	Ce-141	Bq/l	26	26	< 0.2312 (0.13 - 0.4)	0	
2021	River water	MOL-GEEL	Ce-144	Bq/l	26	26	< 0.8154 (0.5 - 1.1)	0	
2021	River water	MOL-GEEL	Cs-134	Bq/l	26	26	< 0.1138 (0.06 - 0.17)	0	
2021	River water	MOL-GEEL	Cs-137	Bq/l	26	26	< 0.1188 (0.009 - 0.18)	0	
2021	River water	MOL-GEEL	H-3	Bq/l	26	7	< 7 (4 - 10)	19	57.53 (9.667 - 193)
2021	River water	MOL-GEEL	I-131	Bq/l	26	26	< 0.3485 (0.15 - 1)	0	
2021	River water	MOL-GEEL	K-40	Bq/l	41	20	< 2.08 (0.8 - 3)	21	0.2986 (0.265 - 0.352)
2021	River water	MOL-GEEL	Nb-95	Bq/l	26	26	< 0.1488 (0.07 - 0.26)	0	
2021	River water	MOL-GEEL	Pu-(239+240)	Bq/l	13	11	< 0.0001236 (9e-05 - 0.00018)	2	0.000125 (0.00011 - 0.00014)
2021	River water	MOL-GEEL	Pu-238	Bq/l	13	11	< 0.0001491 (0.00012 - 0.00018)	2	0.000175 (1e-04 - 0.00025)
2021	River water	MOL-GEEL	R-Beta	Bq/l	26	20	< 0.04961 (0.04 - 0.06)	6	0.08833 (0.05 - 0.13)
2021	River water	MOL-GEEL	Ru-103	Bq/l	26	26	< 0.1408 (0.07 - 0.23)	0	
2021	River water	MOL-GEEL	Ru-106	Bq/l	26	26	< 1.096 (0.5 - 1.6)	0	
2021	River water	MOL-GEEL	Se-75	Bq/l	26	26	< 0.1558 (0.09 - 0.23)	0	
2021	River water	MOL-GEEL	T-Alfa	Bq/l	26	19	< 0.01358 (0.01 - 0.015)	7	0.01929 (0.013 - 0.029)
2021	River water	MOL-GEEL	T-Beta	Bq/l	26	0		26	0.3322 (0.24 - 0.41)
2021	River water	MOL-GEEL	U-234	Bq/l	13	0		13	0.002423 (0.0019 - 0.0031)
2021	River water	MOL-GEEL	U-235	Bq/l	13	7	< 0.0002143 (1e-04 - 5e-04)	6	0.0002033 (0.00014 - 0.00032)
2021	River water	MOL-GEEL	U-238	Bq/l	13	0		13	0.002008 (0.0014 - 0.0025)
2021	River water	MOL-GEEL	Zr-95	Bq/l	26	26	< 0.2338 (0.12 - 0.4)	0	
2021	River sediments	MOL-GEEL	Ag-110m	Bq/kg	13	13	< 1.654 (0.5 - 4)	0	
2021	River sediments	MOL-GEEL	Am-241	Bq/kg	20	0		20	19.71 (4.8 - 80)
2021	River sediments	MOL-GEEL	Be-7	Bq/kg	13	4	< 9.5 (7 - 14)	9	131.8 (2.3 - 270)
2021	River sediments	MOL-GEEL	Co-57	Bq/kg	13	13	< 1.038 (0.5 - 2.1)	0	
2021	River sediments	MOL-GEEL	Co-58	Bq/kg	13	13	< 1.608 (0.5 - 3)	0	
2021	River sediments	MOL-GEEL	Co-60	Bq/kg	13	6	< 1.05 (0.3 - 2.7)	7	3.196 (0.44 - 10.9)
2021	River sediments	MOL-GEEL	Cs-134	Bq/kg	13	13	< 1.262 (0.3 - 2.4)	0	
2021	River sediments	MOL-GEEL	Cs-137	Bq/kg	13	0		13	84 (24 - 182)
2021	River sediments	MOL-GEEL	I-131	Bq/kg	13	12	< 52 (17 - 110)	1	73
2021	River sediments	MOL-GEEL	K-40	Bq/kg	13	0		13	156.2 (137 - 193)
2021	River sediments	MOL-GEEL	Mn-54	Bq/kg	13	13	< 1.243 (0.26 - 2.7)	0	
2021	River sediments	MOL-GEEL	Pu-(239+240)	Bq/kg	13	0		13	9.285 (2.1 - 19)
2021	River sediments	MOL-GEEL	Pu-238	Bq/kg	13	2	< 1.8 (1.3 - 2.3)	11	4.709 (0.8 - 11.6)
2021	River sediments	MOL-GEEL	Ra-226	Bq/kg	13	0		13	57.63 (14.2 - 112)
2021	River sediments	MOL-GEEL	Ra-228	Bq/kg	13	0		13	31.33 (6.6 - 59)
2021	River sediments	MOL-GEEL	Sr-90	Bq/kg	13	11	< 2.979 (2.4 - 4)	2	3.7 (2.8 - 4.6)
2021	River sediments	MOL-GEEL	Tc-99	Bq/kg	13	11	< 58.38 (40 - 80)	2	57.22 (42 - 72.44)
2021	River sediments	MOL-GEEL	Th-228	Bq/kg	13	0		13	20.62 (6.7 - 36)
2021	River sediments	MOL-GEEL	Tl-208	Bq/kg	1	0		1	2.7
2021	River sediments	MOL-GEEL	U-234	Bq/kg	13	0		13	16.95 (6.9 - 26)
2021	River sediments	MOL-GEEL	U-235	Bq/kg	13	8	< 1.062 (0.8 - 2)	5	1.66 (1.1 - 2.1)
2021	River sediments	MOL-GEEL	U-238	Bq/kg	13	0		13	15.04 (4.3 - 24)
2021	River sediments	MOL-GEEL	Zn-65	Bq/kg	13	13	< 4.092 (1.1 - 9)	0	
2021	Freshwater aquatic plants	MOL-GEEL	Ag-110m	Bq/kg	4	4	< 2 (1.6 - 2.8)	0	
2021	Freshwater aquatic plants	MOL-GEEL	Am-241	Bq/kg	4	1	< 0.04	3	0.1633 (0.08 - 0.27)
2021	Freshwater aquatic plants	MOL-GEEL	Be-7	Bq/kg	4	1	< 23	3	115.3 (39 - 154)
2021	Freshwater aquatic plants	MOL-GEEL	Co-57	Bq/kg	4	4	< 0.85 (0.5 - 1.4)	0	

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2021	Freshwater aquatic plants	MOL-GEEL	Co-58	Bq/kg	4	4	< 1.875 (1.6 - 2.5)	0	
2021	Freshwater aquatic plants	MOL-GEEL	Co-60	Bq/kg	4	4	< 1.65 (1.4 - 2.1)	0	
2021	Freshwater aquatic plants	MOL-GEEL	Cs-134	Bq/kg	4	4	< 1.4 (1.2 - 1.9)	0	
2021	Freshwater aquatic plants	MOL-GEEL	Cs-137	Bq/kg	4	0		4	6.775 (3.4 - 12.9)
2021	Freshwater aquatic plants	MOL-GEEL	H-3	Bq/kg	4	4	< 16.75 (12 - 22)	0	
2021	Freshwater aquatic plants	MOL-GEEL	I-131	Bq/kg	4	4	< 16 (11 - 23)	0	
2021	Freshwater aquatic plants	MOL-GEEL	K-40	Bq/kg	4	0		4	772.5 (690 - 830)
2021	Freshwater aquatic plants	MOL-GEEL	Mn-54	Bq/kg	4	4	< 1.55 (1.3 - 2)	0	
2021	Freshwater aquatic plants	MOL-GEEL	Pu-(239+240)	Bq/kg	4	2	< 0.03 (0.03 - 0.03)	2	0.105 (0.1 - 0.11)
2021	Freshwater aquatic plants	MOL-GEEL	Pu-238	Bq/kg	4	4	< 0.055 (0.03 - 0.09)	0	
2021	Freshwater aquatic plants	MOL-GEEL	Ra-226	Bq/kg	4	2	< 3.35 (2.7 - 4)	2	2.4 (2.2 - 2.6)
2021	Freshwater aquatic plants	MOL-GEEL	Ra-228	Bq/kg	4	4	< 6.25 (5 - 8)	0	
2021	Freshwater aquatic plants	MOL-GEEL	Sr-90	Bq/kg	4	4	< 1.525 (0.5 - 3)	0	
2021	Freshwater aquatic plants	MOL-GEEL	Tc-99	Bq/kg	4	4	< 12.22 (2.4 - 40)	0	
2021	Freshwater aquatic plants	MOL-GEEL	Th-228	Bq/kg	4	4	< 2.15 (1.6 - 3)	0	
2021	Freshwater aquatic plants	MOL-GEEL	U-234	Bq/kg	4	0		4	0.345 (0.11 - 0.51)
2021	Freshwater aquatic plants	MOL-GEEL	U-235	Bq/kg	4	3	< 0.036 (0.028 - 0.04)	1	0.03
2021	Freshwater aquatic plants	MOL-GEEL	U-238	Bq/kg	4	0		4	0.2925 (0.11 - 0.46)
2021	Freshwater aquatic plants	MOL-GEEL	Zn-65	Bq/kg	4	4	< 4.25 (4 - 5)	0	
2021	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	Am-241	Bq/l	55	2	< 2.438 (0.00576 - 4.87)	53	0.5618 (0.00972 - 6.51)
2021	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	Ba-133	Bq/l	55	55	< 1.82 (1.7 - 1.94)	0	
2021	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	Be-7	Bq/l	55	55	< 16.11 (11.3 - 23.4)	0	
2021	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	Cm-244	Bq/l	8	0		8	0.06929 (0.0349 - 0.111)
2021	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	Co-57	Bq/l	55	55	< 1.057 (0.961 - 1.16)	0	
2021	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	Co-58	Bq/l	55	55	< 1.668 (1.24 - 2.19)	0	
2021	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	Co-60	Bq/l	55	45	< 1.39 (1.1 - 1.56)	10	2.69 (1.1 - 5.51)
2021	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	Cs-134	Bq/l	55	55	< 1.489 (1.36 - 1.63)	0	
2021	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	Cs-137	Bq/l	55	24	< 1.383 (1.03 - 1.7)	31	2.127 (1.15 - 3.78)
2021	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	H-3	Bq/l	54	0		54	59010 (969 - 218000)
2021	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	I-131	Bq/l	55	55	< 30.02 (1.85 - 176)	0	
2021	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	Mn-54	Bq/l	55	55	< 1.378 (1.26 - 1.55)	0	
2021	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	Pu-(239+240)	Bq/l	26	2	< 0.00948 (0.00886 - 0.0101)	24	0.08068 (0.00631 - 0.386)
2021	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	Pu-238	Bq/l	53	19	< 0.01136 (0.00266 - 0.0291)	34	0.07332 (0.0022 - 0.988)
2021	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	Ru-103	Bq/l	55	55	< 2.21 (1.36 - 3.56)	0	
2021	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	Ru-106	Bq/l	55	55	< 13.05 (11.9 - 14)	0	
2021	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	Sr-90	Bq/l	55	1	< 0.236	54	0.9216 (0.21 - 2.14)
2021	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	T-Alfa	Bq/l	55	6	< 0.05992 (0.0374 - 0.087)	49	0.6404 (0.0511 - 11.8)
2021	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	T-Beta	Bq/l	55	1	< 0.0833	54	3.382 (0.167 - 7.26)
2021	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	Tc-99	Bq/l	55	6	< 0.07767 (0.0763 - 0.0845)	49	0.819 (0.106 - 6.75)
2021	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	U-234	Bq/l	54	36	< 0.01623 (0.00578 - 0.0693)	18	0.04556 (0.00504 - 0.152)
2021	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	U-235	Bq/l	54	47	< 0.006651 (0.000691 - 0.0395)	7	0.005523 (0.00236 - 0.00948)
2021	Wastewater-BELGOPROCESS	MOL-DESSEL (BELGOPROCESS)	U-238	Bq/l	54	27	< 0.007357 (0.00214 - 0.0397)	27	0.02063 (0.00228 - 0.108)
2021	Wastewater-PIEZOMETER-FBFC	MOL-DESSEL (FBFC)	Am-241	Bq/l	6	1	< 0.00217	5	0.01574 (0.00074 - 0.0723)
2021	Wastewater-PIEZOMETER-FBFC	MOL-DESSEL (FBFC)	Ba-133	Bq/l	6	6	< 1.783 (1.72 - 1.85)	0	
2021	Wastewater-PIEZOMETER-FBFC	MOL-DESSEL (FBFC)	Be-7	Bq/l	6	6	< 14.75 (11.4 - 19.2)	0	
2021	Wastewater-PIEZOMETER-FBFC	MOL-DESSEL (FBFC)	Co-57	Bq/l	6	6	< 1.042 (1 - 1.1)	0	
2021	Wastewater-PIEZOMETER-FBFC	MOL-DESSEL (FBFC)	Co-58	Bq/l	6	6	< 1.577 (1.29 - 2.03)	0	
2021	Wastewater-PIEZOMETER-FBFC	MOL-DESSEL (FBFC)	Co-60	Bq/l	6	6	< 1.345 (1.29 - 1.38)	0	
2021	Wastewater-PIEZOMETER-FBFC	MOL-DESSEL (FBFC)	Cs-134	Bq/l	6	6	< 1.467 (1.42 - 1.51)	0	
2021	Wastewater-PIEZOMETER-FBFC	MOL-DESSEL (FBFC)	Cs-137	Bq/l	6	6	< 1.51 (1.43 - 1.56)	0	
2021	Wastewater-PIEZOMETER-FBFC	MOL-DESSEL (FBFC)	I-131	Bq/l	6	6	< 23.58 (2.16 - 64.8)	0	
2021	Wastewater-PIEZOMETER-FBFC	MOL-DESSEL (FBFC)	Mn-54	Bq/l	6	6	< 1.34 (1.24 - 1.43)	0	
2021	Wastewater-PIEZOMETER-FBFC	MOL-DESSEL (FBFC)	Pu-238	Bq/l	6	6	< 0.003375 (0.000969 - 0.00619)	0	
2021	Wastewater-PIEZOMETER-FBFC	MOL-DESSEL (FBFC)	Ru-103	Bq/l	6	6	< 1.992 (1.45 - 2.84)	0	
2021	Wastewater-PIEZOMETER-FBFC	MOL-DESSEL (FBFC)	Ru-106	Bq/l	6	6	< 12.67 (12.1 - 13.2)	0	
2021	Wastewater-PIEZOMETER-FBFC	MOL-DESSEL (FBFC)	T-Alfa	Bq/l	6	2	< 0.05165 (0.0338 - 0.0695)	4	0.08708 (0.0646 - 0.119)
2021	Wastewater-PIEZOMETER-FBFC	MOL-DESSEL (FBFC)	T-Beta	Bq/l	6	0		6	0.427 (0.119 - 0.805)
2021	Wastewater-PIEZOMETER-FBFC	MOL-DESSEL (FBFC)	U-234	Bq/l	6	6	< 0.007232 (0.00315 - 0.0131)	0	

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2021	Wastewater-PIEZOMETER-FBFC	MOL-DESSEL (FBFC)	U-235	Bq/l	6	6	< 0.004068 (0.000997 - 0.0102)	0	
2021	Wastewater-PIEZOMETER-FBFC	MOL-DESSEL (FBFC)	U-238	Bq/l	6	6	< 0.003194 (0.000667 - 0.00614)	0	

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/m² or Bq/m³. Effluents from the controlled area come from the primary circuit and are recyclable (DL: detection limit).

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2021	Outdoor air	DOEL	Be-7	Bq/m ³	13	0		13	0.002494 (0.00133 - 0.0033)
2021	Outdoor air	DOEL	Ce-141	Bq/m ³	13	13	< 2.138e-05 (7e-06 - 6e-05)	0	
2021	Outdoor air	DOEL	Ce-144	Bq/m ³	13	13	< 3.415e-05 (1.3e-05 - 6e-05)	0	
2021	Outdoor air	DOEL	Cs-134	Bq/m ³	13	13	< 5.385e-06 (3e-06 - 8e-06)	0	
2021	Outdoor air	DOEL	Cs-137	Bq/m ³	13	13	< 5.769e-06 (3e-06 - 8e-06)	0	
2021	Outdoor air	DOEL	I-131	Bq/m ³	13	13	< 0.0007346 (7e-05 - 0.006)	0	
2021	Outdoor air	DOEL	K-40	Bq/m ³	13	13	< 9.308e-05 (5e-05 - 0.00013)	0	
2021	Outdoor air	DOEL	Nb-95	Bq/m ³	13	13	< 1.415e-05 (7e-06 - 2.8e-05)	0	
2021	Outdoor air	DOEL	Ru-103	Bq/m ³	13	13	< 1.208e-05 (6e-06 - 2.5e-05)	0	
2021	Outdoor air	DOEL	Ru-106	Bq/m ³	13	13	< 5.215e-05 (2.8e-05 - 7e-05)	0	
2021	Outdoor air	DOEL	Se-75	Bq/m ³	13	13	< 7.615e-06 (3e-06 - 1.4e-05)	0	
2021	Outdoor air	DOEL	T-Beta	Bq/m ³	363	1	< 2.1e-05	362	0.0002775 (4e-05 - 0.00114)
2021	Outdoor air	DOEL	Zr-95	Bq/m ³	13	13	< 1.592e-05 (8e-06 - 2.5e-05)	0	
2021	Total deposition filtered	DOEL	Be-7	Bq/m ²	13	1	< 16	12	23.84 (7.8 - 64)
2021	Total deposition filtered	DOEL	Ce-141	Bq/m ²	13	13	< 2.346 (1.6 - 4)	0	
2021	Total deposition filtered	DOEL	Ce-144	Bq/m ²	13	13	< 7 (5 - 10)	0	
2021	Total deposition filtered	DOEL	Cs-134	Bq/m ²	13	13	< 0.9615 (0.6 - 1.4)	0	
2021	Total deposition filtered	DOEL	Cs-137	Bq/m ²	13	13	< 1.153 (0.09 - 1.8)	0	
2021	Total deposition filtered	DOEL	H-3	Bq/m ²	13	12	< 727.5 (130 - 1500)	1	1500
2021	Total deposition filtered	DOEL	I-131	Bq/m ²	13	13	< 5.046 (2.8 - 9)	0	
2021	Total deposition filtered	DOEL	K-40	Bq/m ²	13	3	< 13.33 (10 - 15)	10	0.8647 (0.223 - 1.87)
2021	Total deposition filtered	DOEL	Nb-95	Bq/m ²	13	13	< 1.408 (0.8 - 2.2)	0	
2021	Total deposition filtered	DOEL	R-Beta	Bq/m ²	13	0		13	2.478 (1.36 - 6.6)
2021	Total deposition filtered	DOEL	Ru-103	Bq/m ²	13	13	< 1.346 (0.8 - 2)	0	
2021	Total deposition filtered	DOEL	Ru-106	Bq/m ²	13	13	< 8.923 (5 - 14)	0	
2021	Total deposition filtered	DOEL	Se-75	Bq/m ²	13	13	< 1.408 (0.9 - 2)	0	
2021	Total deposition filtered	DOEL	T-Alfa	Bq/m ²	13	0		13	0.6369 (0.39 - 1.06)
2021	Total deposition filtered	DOEL	T-Beta	Bq/m ²	13	0		13	3.275 (2.13 - 8)
2021	Total deposition filtered	DOEL	Zr-95	Bq/m ²	13	13	< 2.015 (1.1 - 3)	0	
2021	Total deposition residue	DOEL	Be-7	Bq/m ²	13	0		13	56.78 (10.8 - 127)
2021	Total deposition residue	DOEL	Ce-141	Bq/m ²	13	13	< 0.7162 (0.21 - 1.1)	0	
2021	Total deposition residue	DOEL	Ce-144	Bq/m ²	13	13	< 2.031 (0.6 - 3)	0	
2021	Total deposition residue	DOEL	Cs-134	Bq/m ²	13	13	< 0.3215 (0.14 - 0.5)	0	
2021	Total deposition residue	DOEL	Cs-137	Bq/m ²	13	12	< 0.3758 (0.17 - 0.6)	1	0.28
2021	Total deposition residue	DOEL	I-131	Bq/m ²	13	13	< 1.746 (0.6 - 2.6)	0	
2021	Total deposition residue	DOEL	K-40	Bq/m ²	13	11	< 5.555 (2.3 - 9)	2	6 (5 - 7)
2021	Total deposition residue	DOEL	Nb-95	Bq/m ²	13	13	< 0.4715 (0.24 - 0.7)	0	
2021	Total deposition residue	DOEL	Ru-103	Bq/m ²	13	13	< 0.4331 (0.18 - 0.6)	0	
2021	Total deposition residue	DOEL	Ru-106	Bq/m ²	13	13	< 3.062 (1.4 - 4)	0	
2021	Total deposition residue	DOEL	Se-75	Bq/m ²	13	13	< 0.4185 (0.12 - 0.6)	0	
2021	Total deposition residue	DOEL	T-Alfa	Bq/m ²	13	0		13	1.675 (0.182 - 3.5)
2021	Total deposition residue	DOEL	T-Beta	Bq/m ²	13	0		13	6.808 (1.11 - 15.7)
2021	Total deposition residue	DOEL	Zr-95	Bq/m ²	13	13	< 0.6846 (0.3 - 1)	0	
2021	Topsoil and grass	DOEL	Ag-110m	Bq/kg	1	1	< 0.7	0	
2021	Topsoil and grass	DOEL	Be-7	Bq/kg	1	1	< 7	0	
2021	Topsoil and grass	DOEL	Co-57	Bq/kg	1	1	< 0.4	0	
2021	Topsoil and grass	DOEL	Co-58	Bq/kg	1	1	< 0.7	0	
2021	Topsoil and grass	DOEL	Co-60	Bq/kg	1	1	< 0.6	0	
2021	Topsoil and grass	DOEL	Cs-134	Bq/kg	1	1	< 0.6	0	
2021	Topsoil and grass	DOEL	Cs-137	Bq/kg	1	0		1	3.4
2021	Topsoil and grass	DOEL	I-131	Bq/kg	1	1	< 15	0	
2021	Topsoil and grass	DOEL	K-40	Bq/kg	1	0		1	530
2021	Topsoil and grass	DOEL	Mn-54	Bq/kg	1	1	< 0.4	0	
2021	Topsoil and grass	DOEL	Ra-226	Bq/kg	1	0		1	35
2021	Topsoil and grass	DOEL	Ra-228	Bq/kg	1	0		1	33.4

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2021	Topsoil and grass	DOEL	Th-228	Bq/kg	1	0		1	33.6
2021	Topsoil and grass	DOEL	U-235	Bq/kg	1	0		1	2.4
2021	Topsoil and grass	DOEL	Zn-65	Bq/kg	1	1	< 1.8	0	
2021	River water	DOEL (LILLO)	Am-241	Bq/l	13	9	< 0.0001633 (9e-05 - 0.00029)	4	0.000145 (0.00011 - 2e-04)
2021	River water	DOEL (LILLO)	Be-7	Bq/l	26	26	< 1.085 (0.5 - 1.6)	0	
2021	River water	DOEL (LILLO)	Ce-141	Bq/l	26	26	< 0.2223 (0.14 - 0.3)	0	
2021	River water	DOEL (LILLO)	Ce-144	Bq/l	26	26	< 0.8 (0.5 - 1.1)	0	
2021	River water	DOEL (LILLO)	Cs-134	Bq/l	26	26	< 0.1115 (0.06 - 0.16)	0	
2021	River water	DOEL (LILLO)	Cs-137	Bq/l	26	25	< 0.1252 (0.009 - 0.19)	1	0.08
2021	River water	DOEL (LILLO)	H-3	Bq/l	26	9	< 8.333 (6 - 10)	17	11.05 (5.889 - 17)
2021	River water	DOEL (LILLO)	I-131	Bq/l	26	26	< 0.2904 (0.13 - 0.6)	0	
2021	River water	DOEL (LILLO)	K-40	Bq/l	41	9	< 2.967 (1.8 - 4)	32	2.454 (0.83 - 3.9)
2021	River water	DOEL (LILLO)	Nb-95	Bq/l	26	26	< 0.1419 (0.07 - 0.21)	0	
2021	River water	DOEL (LILLO)	Pu-(239+240)	Bq/l	13	13	< 0.0001546 (0.00011 - 0.00021)	0	
2021	River water	DOEL (LILLO)	Pu-238	Bq/l	13	13	< 0.0001692 (0.00011 - 0.00025)	0	
2021	River water	DOEL (LILLO)	R-Beta	Bq/l	26	24	< 0.4219 (0.21 - 1)	2	0.55 (0.5 - 0.6)
2021	River water	DOEL (LILLO)	Ra-226	Bq/l	7	0		7	0.0146 (0.0104 - 0.017)
2021	River water	DOEL (LILLO)	Ru-103	Bq/l	26	26	< 0.1342 (0.07 - 0.2)	0	
2021	River water	DOEL (LILLO)	Ru-106	Bq/l	26	26	< 1.081 (0.5 - 1.6)	0	
2021	River water	DOEL (LILLO)	Se-75	Bq/l	26	26	< 0.1546 (0.09 - 0.21)	0	
2021	River water	DOEL (LILLO)	Sr-90	Bq/l	6	6	< 0.04667 (0.02 - 0.06)	0	
2021	River water	DOEL (LILLO)	T-Alfa	Bq/l	26	15	< 0.084 (0.06 - 0.12)	11	0.1096 (0.09 - 0.14)
2021	River water	DOEL (LILLO)	T-Beta	Bq/l	26	0		26	2.599 (0.88 - 3.9)
2021	River water	DOEL (LILLO)	U-234	Bq/l	13	0		13	0.02043 (0.0171 - 0.0247)
2021	River water	DOEL (LILLO)	U-235	Bq/l	13	0		13	0.0008215 (0.00058 - 0.0012)
2021	River water	DOEL (LILLO)	U-238	Bq/l	13	0		13	0.01808 (0.0145 - 0.0224)
2021	River water	DOEL (LILLO)	Zr-95	Bq/l	26	26	< 0.2215 (0.11 - 0.3)	0	
2021	River sediments	DOEL	Ag-110m	Bq/kg	12	12	< 1.458 (1 - 2.2)	0	
2021	River sediments	DOEL	Am-241	Bq/kg	2	0		2	18.65 (1.3 - 36)
2021	River sediments	DOEL	Be-7	Bq/kg	12	1	< 10	11	27.53 (11.8 - 50)
2021	River sediments	DOEL	Co-57	Bq/kg	12	12	< 0.9583 (0.4 - 1.4)	0	
2021	River sediments	DOEL	Co-58	Bq/kg	12	12	< 1.408 (0.9 - 2.4)	0	
2021	River sediments	DOEL	Co-60	Bq/kg	12	11	< 1.118 (0.5 - 2.3)	1	0.88
2021	River sediments	DOEL	Cs-134	Bq/kg	12	12	< 1.258 (0.8 - 2.1)	0	
2021	River sediments	DOEL	Cs-137	Bq/kg	11	0		11	5.264 (4.9 - 5.8)
2021	River sediments	DOEL	I-131	Bq/kg	12	12	< 17.75 (10 - 40)	0	
2021	River sediments	DOEL	K-40	Bq/kg	12	0		12	532.5 (510 - 560)
2021	River sediments	DOEL	Mn-54	Bq/kg	12	12	< 1.133 (0.7 - 2)	0	
2021	River sediments	DOEL	Ra-226	Bq/kg	11	0		11	37.24 (34 - 41)
2021	River sediments	DOEL	Ra-228	Bq/kg	11	0		11	29.58 (27.4 - 33)
2021	River sediments	DOEL	Th-228	Bq/kg	11	0		11	34.45 (31.2 - 36)
2021	River sediments	DOEL	Th-232	Bq/kg	1	0		1	30.7
2021	River sediments	DOEL	U-235	Bq/kg	2	0		2	2.2 (1.7 - 2.7)
2021	River sediments	DOEL	U-238	Bq/kg	3	0		3	34 (26 - 41)
2021	River sediments	DOEL	Zn-65	Bq/kg	12	12	< 3.567 (2.3 - 6)	0	
2021	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Ag-110m	Bq/kg	4	4	< 1.025 (0.7 - 1.3)	0	
2021	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Am-241	Bq/kg	4	4	< 12.53 (0.01 - 50)	0	
2021	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Be-7	Bq/kg	4	2	< 9.5 (8 - 11)	2	9 (9 - 9)
2021	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Co-57	Bq/kg	4	4	< 0.625 (0.3 - 0.9)	0	
2021	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Co-58	Bq/kg	4	4	< 1.325 (1.1 - 1.5)	0	
2021	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Co-60	Bq/kg	4	4	< 1.175 (1 - 1.4)	0	
2021	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Cs-134	Bq/kg	4	4	< 0.975 (0.7 - 1.2)	0	
2021	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Cs-137	Bq/kg	4	4	< 1.1 (0.8 - 1.4)	0	
2021	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	H-3	Bq/kg	4	4	< 13.75 (6 - 19)	0	
2021	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	I-131	Bq/kg	4	4	< 11 (9 - 15)	0	
2021	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	K-40	Bq/kg	4	0		4	1050 (900 - 1350)
2021	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Mn-54	Bq/kg	4	4	< 1.075 (0.9 - 1.2)	0	
2021	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Pu-(239+240)	Bq/kg	4	4	< 17.53 (0.03 - 70)	0	

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2021	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Pu-238	Bq/kg	4	4	< 17.53 (0.03 - 70)	0	
2021	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Ra-226	Bq/kg	4	0		4	5.45 (4 - 6.5)
2021	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Ra-228	Bq/kg	4	0		4	8.125 (6.7 - 9.5)
2021	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Sr-90	Bq/kg	4	4	< 3.275 (2.1 - 5)	0	
2021	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Tc-99	Bq/kg	4	3	< 31.33 (4 - 60)	1	76
2021	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Th-228	Bq/kg	4	3	< 1.633 (1.3 - 1.9)	1	0.9
2021	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	Zn-65	Bq/kg	4	4	< 3.3 (2.5 - 4)	0	
2021	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Ag-110m	Bq/kg	4	4	< 1 (0.6 - 1.5)	0	
2021	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Am-241	Bq/kg	4	4	< 0.0775 (0.05 - 0.11)	0	
2021	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Be-7	Bq/kg	4	4	< 11.25 (8 - 16)	0	
2021	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Co-57	Bq/kg	4	4	< 0.65 (0.4 - 1)	0	
2021	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Co-58	Bq/kg	4	4	< 1.2 (0.7 - 1.7)	0	
2021	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Co-60	Bq/kg	4	4	< 0.875 (0.5 - 1.3)	0	
2021	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Cs-134	Bq/kg	4	4	< 0.9 (0.6 - 1.3)	0	
2021	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Cs-137	Bq/kg	4	4	< 0.975 (0.3 - 1.6)	0	
2021	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	H-3	Bq/kg	4	4	< 17.5 (16 - 19)	0	
2021	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	I-131	Bq/kg	4	4	< 23.75 (17 - 30)	0	
2021	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	K-40	Bq/kg	4	1	< 40	3	353.3 (330 - 370)
2021	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Mn-54	Bq/kg	4	4	< 0.925 (0.6 - 1.4)	0	
2021	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Pu-(239+240)	Bq/kg	4	4	< 0.0875 (0.06 - 0.11)	0	
2021	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Pu-238	Bq/kg	4	4	< 0.085 (0.07 - 0.1)	0	
2021	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Ra-226	Bq/kg	4	0		4	3.275 (3 - 3.6)
2021	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Ra-228	Bq/kg	4	2	< 3.5 (3 - 4)	2	4.55 (2.7 - 6.4)
2021	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Sr-90	Bq/kg	4	4	< 2.7 (2 - 3)	0	
2021	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Th-228	Bq/kg	4	4	< 1.525 (1.2 - 2.3)	0	
2021	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	Zn-65	Bq/kg	4	4	< 2.55 (1.4 - 4)	0	
2021	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Ag-110m	Bq/kg	4	4	< 1.275 (0.8 - 2.4)	0	
2021	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Am-241	Bq/kg	4	4	< 0.055 (0.04 - 0.09)	0	
2021	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Be-7	Bq/kg	4	4	< 14.75 (10 - 28)	0	
2021	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Co-57	Bq/kg	4	4	< 0.975 (0.7 - 1.6)	0	
2021	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Co-58	Bq/kg	4	4	< 1.525 (0.9 - 3)	0	
2021	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Co-60	Bq/kg	4	4	< 1.25 (0.8 - 2.5)	0	
2021	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Cs-134	Bq/kg	4	4	< 1.25 (0.8 - 2.3)	0	
2021	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Cs-137	Bq/kg	4	4	< 1.275 (0.8 - 2.4)	0	
2021	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	H-3	Bq/kg	4	4	< 12.73 (6.924 - 16)	0	
2021	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	I-131	Bq/kg	4	4	< 16.75 (10 - 32)	0	
2021	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	K-40	Bq/kg	4	0		4	184.8 (174 - 202)
2021	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Mn-54	Bq/kg	4	4	< 1.2 (0.8 - 2.2)	0	
2021	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Pu-(239+240)	Bq/kg	4	4	< 0.0525 (0.04 - 0.07)	0	
2021	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Pu-238	Bq/kg	4	4	< 0.06 (0.05 - 0.08)	0	
2021	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Ra-226	Bq/kg	4	3	< 2.933 (1.7 - 5)	1	2.2
2021	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Ra-228	Bq/kg	4	4	< 4.75 (3 - 9)	0	
2021	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Sr-90	Bq/kg	4	4	< 4.406 (2.9 - 6)	0	
2021	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Th-228	Bq/kg	4	3	< 2.767 (1.8 - 4)	1	2.2
2021	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	Zn-65	Bq/kg	4	4	< 3.075 (1.9 - 6)	0	
2021	Wastewater power plant	DOEL-Mixture Controlled area	Ag-110m	Bq/l	14	1	< 0.5	13	3.16 (1.09 - 6.1)
2021	Wastewater power plant	DOEL-Mixture Controlled area	Be-7	Bq/l	14	14	< 8.571 (4 - 17)	0	
2021	Wastewater power plant	DOEL-Mixture Controlled area	Ce-141	Bq/l	14	14	< 1.636 (0.6 - 2.7)	0	
2021	Wastewater power plant	DOEL-Mixture Controlled area	Ce-144	Bq/l	14	14	< 4.364 (1.5 - 8)	0	
2021	Wastewater power plant	DOEL-Mixture Controlled area	Co-57	Bq/l	14	14	< 0.5514 (0.19 - 1)	0	
2021	Wastewater power plant	DOEL-Mixture Controlled area	Co-58	Bq/l	14	3	< 1.033 (0.7 - 1.6)	11	2.484 (0.42 - 4.7)
2021	Wastewater power plant	DOEL-Mixture Controlled area	Co-60	Bq/l	14	2	< 1.05 (0.6 - 1.5)	12	2.167 (0.49 - 4.1)
2021	Wastewater power plant	DOEL-Mixture Controlled area	Cr-51	Bq/l	14	14	< 11.14 (5 - 20)	0	
2021	Wastewater power plant	DOEL-Mixture Controlled area	Cs-134	Bq/l	14	14	< 0.8143 (0.5 - 1.6)	0	
2021	Wastewater power plant	DOEL-Mixture Controlled area	Cs-137	Bq/l	14	4	< 1.225 (0.7 - 2.2)	10	11.13 (0.7 - 41)
2021	Wastewater power plant	DOEL-Mixture Controlled area	Fe-59	Bq/l	14	14	< 1.95 (1.2 - 5)	0	
2021	Wastewater power plant	DOEL-Mixture Controlled area	H-3	Bq/l	14	0		14	592000 (140400 - 1480000)
2021	Wastewater power plant	DOEL-Mixture Controlled area	I-131	Bq/l	14	14	< 5.5 (2.2 - 10)	0	

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2021	Wastewater power plant	DOEL-Mixture Controlled area	Mn-54	Bq/l	14	14	< 0.7571 (0.4 - 1.7)	0	
2021	Wastewater power plant	DOEL-Mixture Controlled area	Nb-95	Bq/l	14	13	< 1.177 (0.7 - 2)	1	2.8
2021	Wastewater power plant	DOEL-Mixture Controlled area	Ru-103	Bq/l	14	14	< 1.086 (0.6 - 2.1)	0	
2021	Wastewater power plant	DOEL-Mixture Controlled area	Ru-106	Bq/l	14	14	< 7.286 (4 - 16)	0	
2021	Wastewater power plant	DOEL-Mixture Controlled area	Sb-124	Bq/l	14	5	< 1.16 (0.6 - 2)	9	9.067 (0.62 - 22)
2021	Wastewater power plant	DOEL-Mixture Controlled area	Sb-125	Bq/l	14	14	< 3 (1.4 - 5)	0	
2021	Wastewater power plant	DOEL-Mixture Controlled area	Sn-113	Bq/l	14	14	< 1.143 (0.5 - 2.1)	0	
2021	Wastewater power plant	DOEL-Mixture Controlled area	Te-123m	Bq/l	14	4	< 0.6375 (0.25 - 0.9)	10	1.389 (0.34 - 3)
2021	Wastewater power plant	DOEL-Mixture Controlled area	Zn-65	Bq/l	14	14	< 1.629 (1 - 4)	0	
2021	Wastewater power plant	DOEL-Mixture Controlled area	Zr-95	Bq/l	14	13	< 1.631 (0.9 - 4)	1	0.9
2021	Wastewater power plant	DOEL-Mixture Secondary circuit	Ag-110m	Bq/l	13	13	< 0.7738 (0.36 - 1.7)	0	
2021	Wastewater power plant	DOEL-Mixture Secondary circuit	Be-7	Bq/l	13	13	< 7.531 (3.9 - 18)	0	
2021	Wastewater power plant	DOEL-Mixture Secondary circuit	Ce-141	Bq/l	13	13	< 1.438 (0.5 - 4)	0	
2021	Wastewater power plant	DOEL-Mixture Secondary circuit	Ce-144	Bq/l	13	13	< 3.877 (1.4 - 9)	0	
2021	Wastewater power plant	DOEL-Mixture Secondary circuit	Co-57	Bq/l	13	13	< 0.4823 (0.16 - 1.2)	0	
2021	Wastewater power plant	DOEL-Mixture Secondary circuit	Co-58	Bq/l	13	13	< 0.8769 (0.5 - 2.1)	0	
2021	Wastewater power plant	DOEL-Mixture Secondary circuit	Co-60	Bq/l	13	13	< 0.7385 (0.4 - 1.9)	0	
2021	Wastewater power plant	DOEL-Mixture Secondary circuit	Cr-51	Bq/l	13	13	< 9.462 (4 - 21)	0	
2021	Wastewater power plant	DOEL-Mixture Secondary circuit	Cs-134	Bq/l	13	13	< 0.7062 (0.38 - 1.7)	0	
2021	Wastewater power plant	DOEL-Mixture Secondary circuit	Cs-137	Bq/l	13	13	< 0.8 (0.4 - 1.8)	0	
2021	Wastewater power plant	DOEL-Mixture Secondary circuit	Fe-59	Bq/l	13	13	< 1.877 (1.1 - 4)	0	
2021	Wastewater power plant	DOEL-Mixture Secondary circuit	H-3	Bq/l	13	1	< 11	12	29.11 (11.6 - 59)
2021	Wastewater power plant	DOEL-Mixture Secondary circuit	I-131	Bq/l	13	13	< 4.269 (1.7 - 8)	0	
2021	Wastewater power plant	DOEL-Mixture Secondary circuit	Mn-54	Bq/l	13	13	< 0.7308 (0.4 - 1.7)	0	
2021	Wastewater power plant	DOEL-Mixture Secondary circuit	Nb-95	Bq/l	13	13	< 1.108 (0.6 - 2.7)	0	
2021	Wastewater power plant	DOEL-Mixture Secondary circuit	Ru-103	Bq/l	13	13	< 0.9692 (0.4 - 2.1)	0	
2021	Wastewater power plant	DOEL-Mixture Secondary circuit	Ru-106	Bq/l	13	13	< 6.738 (3.6 - 15)	0	
2021	Wastewater power plant	DOEL-Mixture Secondary circuit	Sb-124	Bq/l	13	13	< 0.8769 (0.5 - 2)	0	
2021	Wastewater power plant	DOEL-Mixture Secondary circuit	Sb-125	Bq/l	13	13	< 1.885 (1 - 4)	0	
2021	Wastewater power plant	DOEL-Mixture Secondary circuit	Sn-113	Bq/l	13	13	< 0.9769 (0.5 - 2.2)	0	
2021	Wastewater power plant	DOEL-Mixture Secondary circuit	Te-123m	Bq/l	13	13	< 0.5631 (0.22 - 1.4)	0	
2021	Wastewater power plant	DOEL-Mixture Secondary circuit	Zn-65	Bq/l	13	13	< 1.754 (0.9 - 4)	0	
2021	Wastewater power plant	DOEL-Mixture Secondary circuit	Zr-95	Bq/l	13	13	< 1.685 (0.8 - 4)	0	

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

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

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2021	Outdoor air	BRUSSELS	Be-7	Bq/m ³	13	0		13	0.002541 (0.000889 - 0.00534)
2021	Outdoor air	BRUSSELS	Ce-141	Bq/m ³	13	13	< 7.154e-05 (3.56e-05 - 0.000147)	0	
2021	Outdoor air	BRUSSELS	Ce-144	Bq/m ³	13	13	< 6.868e-05 (5.65e-05 - 9.67e-05)	0	
2021	Outdoor air	BRUSSELS	Cs-134	Bq/m ³	13	13	< 2.163e-05 (1.78e-05 - 3.21e-05)	0	
2021	Outdoor air	BRUSSELS	Cs-137	Bq/m ³	13	12	< 1.846e-05 (1.49e-05 - 2.57e-05)	1	1.56e-05
2021	Outdoor air	BRUSSELS	I-131	Bq/m ³	13	13	< 0.02209 (0.000561 - 0.183)	0	
2021	Outdoor air	BRUSSELS	K-40	Bq/m ³	13	0		13	0.0009439 (0.000748 - 0.00115)
2021	Outdoor air	BRUSSELS	Nb-95	Bq/m ³	13	13	< 7.138e-05 (3.54e-05 - 0.000143)	0	
2021	Outdoor air	BRUSSELS	Ru-103	Bq/m ³	13	13	< 5.272e-05 (2.9e-05 - 9.15e-05)	0	
2021	Outdoor air	BRUSSELS	Ru-106	Bq/m ³	13	13	< 0.0001804 (0.000148 - 0.000264)	0	
2021	Outdoor air	BRUSSELS	T-Beta	Bq/m ³	364	90	< 0.0002427 (0.000176 - 0.000825)	274	0.0004536 (0.000187 - 0.00428)
2021	Outdoor air	BRUSSELS	Zr-95	Bq/m ³	13	13	< 6.316e-05 (4.33e-05 - 9.73e-05)	0	
2021	Total deposition filtered	BRUSSELS	Be-7	Bq/m ²	13	5	< 18.6 (14.2 - 24.9)	8	35.78 (15.8 - 65.9)
2021	Total deposition filtered	BRUSSELS	Ce-141	Bq/m ²	13	13	< 4.388 (2.64 - 7.9)	0	
2021	Total deposition filtered	BRUSSELS	Ce-144	Bq/m ²	13	13	< 10.57 (7.29 - 11.8)	0	
2021	Total deposition filtered	BRUSSELS	Cs-134	Bq/m ²	13	13	< 1.416 (0.862 - 1.61)	0	
2021	Total deposition filtered	BRUSSELS	Cs-137	Bq/m ²	13	12	< 1.462 (0.784 - 1.67)	1	1.68
2021	Total deposition filtered	BRUSSELS	H-3	Bq/m ²	13	12	< 284.6 (93.1 - 511)	1	236
2021	Total deposition filtered	BRUSSELS	I-131	Bq/m ²	13	13	< 23.64 (5.76 - 147)	0	
2021	Total deposition filtered	BRUSSELS	K-40	Bq/m ²	13	11	< 1.582 (0.5551 - 2.956)	2	2.35 (1.498 - 3.202)
2021	Total deposition filtered	BRUSSELS	Nb-95	Bq/m ²	13	13	< 2.475 (1.16 - 3.92)	0	
2021	Total deposition filtered	BRUSSELS	R-Beta	Bq/l	13	8	< 0.01674 (0.0167 - 0.0169)	5	0.027 (0.0179 - 0.0444)
2021	Total deposition filtered	BRUSSELS	Ru-103	Bq/m ²	13	13	< 2.212 (1.22 - 3.38)	0	
2021	Total deposition filtered	BRUSSELS	Ru-106	Bq/m ²	13	13	< 13.19 (7.11 - 15.1)	0	
2021	Total deposition filtered	BRUSSELS	T-Alfa	Bq/m ²	13	1	< 0.0887	12	0.1536 (0.0841 - 0.219)
2021	Total deposition filtered	BRUSSELS	T-Beta	Bq/m ²	13	0		13	2.204 (0.717 - 4.98)
2021	Total deposition filtered	BRUSSELS	Zr-95	Bq/m ²	13	13	< 3.246 (1.64 - 4.12)	0	
2021	Total deposition residue	BRUSSELS	Be-7	Bq/m ²	13	1	< 13.4	12	26.99 (8.49 - 70.1)
2021	Total deposition residue	BRUSSELS	Ce-141	Bq/m ²	13	13	< 1.955 (1.26 - 3.16)	0	
2021	Total deposition residue	BRUSSELS	Ce-144	Bq/m ²	13	13	< 4.152 (2.8 - 6.97)	0	
2021	Total deposition residue	BRUSSELS	Cs-134	Bq/m ²	13	13	< 0.7937 (0.551 - 1.29)	0	
2021	Total deposition residue	BRUSSELS	Cs-137	Bq/m ²	13	12	< 0.8038 (0.626 - 1.3)	1	0.826
2021	Total deposition residue	BRUSSELS	I-131	Bq/m ²	13	13	< 14.17 (5.49 - 47.7)	0	
2021	Total deposition residue	BRUSSELS	K-40	Bq/m ²	13	13	< 11.24 (7.77 - 18.8)	0	
2021	Total deposition residue	BRUSSELS	Nb-95	Bq/m ²	13	13	< 1.378 (0.893 - 2.28)	0	
2021	Total deposition residue	BRUSSELS	Ru-103	Bq/m ²	13	13	< 1.247 (0.767 - 2.07)	0	
2021	Total deposition residue	BRUSSELS	Ru-106	Bq/m ²	13	13	< 7.209 (4.85 - 12.1)	0	
2021	Total deposition residue	BRUSSELS	T-Alfa	Bq/m ²	13	0		13	1.288 (0.56 - 2.81)
2021	Total deposition residue	BRUSSELS	T-Beta	Bq/m ²	13	0		13	4.294 (1.92 - 10.9)
2021	Total deposition residue	BRUSSELS	Zr-95	Bq/m ²	13	13	< 1.791 (1.18 - 2.99)	0	
2021	Topsoil and grass	BRUSSELS	Ag-110m	Bq/kg	1	1	< 1.5	0	
2021	Topsoil and grass	BRUSSELS	Be-7	Bq/kg	1	1	< 14.4	0	
2021	Topsoil and grass	BRUSSELS	Co-57	Bq/kg	1	1	< 0.762	0	
2021	Topsoil and grass	BRUSSELS	Co-58	Bq/kg	1	1	< 1.44	0	
2021	Topsoil and grass	BRUSSELS	Co-60	Bq/kg	1	1	< 1.07	0	
2021	Topsoil and grass	BRUSSELS	Cs-134	Bq/kg	1	1	< 1.13	0	
2021	Topsoil and grass	BRUSSELS	Cs-137	Bq/kg	1	0		1	5.2
2021	Topsoil and grass	BRUSSELS	I-131	Bq/kg	1	1	< 53.9	0	
2021	Topsoil and grass	BRUSSELS	K-40	Bq/kg	1	0		1	355
2021	Topsoil and grass	BRUSSELS	Mn-54	Bq/kg	1	1	< 1.02	0	
2021	Topsoil and grass	BRUSSELS	Ra-226	Bq/kg	1	0		1	33.6
2021	Topsoil and grass	BRUSSELS	Ra-228	Bq/kg	1	0		1	28.5
2021	Topsoil and grass	BRUSSELS	Ru-106	Bq/kg	1	1	< 9.27	0	
2021	Topsoil and grass	BRUSSELS	Sb-125	Bq/kg	1	1	< 3.06	0	
2021	Topsoil and grass	BRUSSELS	Th-228	Bq/kg	1	0		1	30.5

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2021	Topsoil and grass	BRUSSELS	Zn-65	Bq/kg	1	1	< 3.12	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/m² or Bq/m³ (DL: detection limit).

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2021	Outdoor air	KOKSIJDE	Be-7	Bq/m ³	13	0		13	0.003092 (0.00159 - 0.0055)
2021	Outdoor air	KOKSIJDE	Ce-141	Bq/m ³	13	13	< 1.938e-05 (5e-06 - 4e-05)	0	
2021	Outdoor air	KOKSIJDE	Ce-144	Bq/m ³	13	13	< 2.838e-05 (9e-06 - 6e-05)	0	
2021	Outdoor air	KOKSIJDE	Cs-134	Bq/m ³	13	13	< 4.231e-06 (2e-06 - 7e-06)	0	
2021	Outdoor air	KOKSIJDE	Cs-137	Bq/m ³	13	13	< 4.538e-06 (2e-06 - 8e-06)	0	
2021	Outdoor air	KOKSIJDE	I-131	Bq/m ³	13	13	< 0.0005724 (2.1e-05 - 0.0018)	0	
2021	Outdoor air	KOKSIJDE	K-40	Bq/m ³	13	13	< 6.923e-05 (3e-05 - 0.00013)	0	
2021	Outdoor air	KOKSIJDE	Nb-95	Bq/m ³	13	13	< 1.185e-05 (4e-06 - 2.6e-05)	0	
2021	Outdoor air	KOKSIJDE	Ru-103	Bq/m ³	13	13	< 1e-05 (3e-06 - 1.9e-05)	0	
2021	Outdoor air	KOKSIJDE	Ru-106	Bq/m ³	13	13	< 4.146e-05 (1.9e-05 - 7e-05)	0	
2021	Outdoor air	KOKSIJDE	Se-75	Bq/m ³	13	13	< 6.385e-06 (2e-06 - 1.2e-05)	0	
2021	Outdoor air	KOKSIJDE	T-Beta	Bq/m ³	144	0		144	0.0003174 (6.5e-05 - 0.00144)
2021	Outdoor air	KOKSIJDE	Zr-95	Bq/m ³	13	13	< 1.269e-05 (5e-06 - 2.6e-05)	0	
2021	Topsoil and grass	KOKSIJDE	Ag-110m	Bq/kg	1	1	< 0.8	0	
2021	Topsoil and grass	KOKSIJDE	Be-7	Bq/kg	1	1	< 7	0	
2021	Topsoil and grass	KOKSIJDE	Co-57	Bq/kg	1	1	< 0.5	0	
2021	Topsoil and grass	KOKSIJDE	Co-58	Bq/kg	1	1	< 0.8	0	
2021	Topsoil and grass	KOKSIJDE	Co-60	Bq/kg	1	1	< 0.6	0	
2021	Topsoil and grass	KOKSIJDE	Cs-134	Bq/kg	1	1	< 0.6	0	
2021	Topsoil and grass	KOKSIJDE	Cs-137	Bq/kg	1	0		1	2.7
2021	Topsoil and grass	KOKSIJDE	I-131	Bq/kg	1	1	< 7	0	
2021	Topsoil and grass	KOKSIJDE	K-40	Bq/kg	1	0		1	274
2021	Topsoil and grass	KOKSIJDE	Mn-54	Bq/kg	1	1	< 0.6	0	
2021	Topsoil and grass	KOKSIJDE	Ra-226	Bq/kg	1	0		1	10.7
2021	Topsoil and grass	KOKSIJDE	Ra-228	Bq/kg	1	0		1	11.4
2021	Topsoil and grass	KOKSIJDE	Th-228	Bq/kg	1	0		1	11.2
2021	Topsoil and grass	KOKSIJDE	Zn-65	Bq/kg	1	1	< 1.7	0	
2021	North Sea water	NORTH SEA	Ag-110m	Bq/l	12	12	< 0.04575 (0.029 - 0.08)	0	
2021	North Sea water	NORTH SEA	Be-7	Bq/l	12	12	< 0.5583 (0.4 - 1)	0	
2021	North Sea water	NORTH SEA	Co-57	Bq/l	12	12	< 0.04583 (0.03 - 0.07)	0	
2021	North Sea water	NORTH SEA	Co-58	Bq/l	12	12	< 0.05833 (0.04 - 0.1)	0	
2021	North Sea water	NORTH SEA	Co-60	Bq/l	12	12	< 0.04333 (0.03 - 0.07)	0	
2021	North Sea water	NORTH SEA	Cs-134	Bq/l	12	12	< 0.001667 (0.001 - 0.003)	0	
2021	North Sea water	NORTH SEA	Cs-137	Bq/l	12	11	< 0.002109 (0.0011 - 0.005)	1	0.0013
2021	North Sea water	NORTH SEA	I-131	Bq/l	12	12	< 1 (0.5 - 1.9)	0	
2021	North Sea water	NORTH SEA	K-40	Bq/l	12	0		12	11.18 (10.3 - 12.2)
2021	North Sea water	NORTH SEA	Mn-54	Bq/l	12	12	< 0.04417 (0.03 - 0.08)	0	
2021	North Sea water	NORTH SEA	Pu-(239+240)	Bq/l	12	12	< 0.0001458 (9e-05 - 2e-04)	0	
2021	North Sea water	NORTH SEA	Pu-238	Bq/l	12	12	< 0.0001442 (9e-05 - 0.00019)	0	
2021	North Sea water	NORTH SEA	Ra-226	Bq/l	12	12	< 0.08917 (0.06 - 0.16)	0	
2021	North Sea water	NORTH SEA	Ra-228	Bq/l	12	11	< 0.17 (0.11 - 0.3)	1	0.29
2021	North Sea water	NORTH SEA	T-Alfa	Bq/l	12	10	< 0.241 (0.18 - 0.29)	2	0.31 (0.27 - 0.35)
2021	North Sea water	NORTH SEA	T-Beta	Bq/l	12	0		12	10.52 (9.6 - 11.9)
2021	North Sea water	NORTH SEA	Th-228	Bq/l	12	12	< 0.08583 (0.06 - 0.14)	0	
2021	North Sea water	NORTH SEA	Zn-65	Bq/l	12	12	< 0.1017 (0.07 - 0.18)	0	
2021	North Sea sediments	NORTH SEA	Ag-110m	Bq/kg	12	12	< 0.3633 (0.24 - 0.7)	0	
2021	North Sea sediments	NORTH SEA	Be-7	Bq/kg	12	12	< 4.25 (3 - 6)	0	
2021	North Sea sediments	NORTH SEA	Co-57	Bq/kg	12	12	< 0.3533 (0.18 - 0.6)	0	
2021	North Sea sediments	NORTH SEA	Co-58	Bq/kg	12	12	< 0.475 (0.3 - 0.9)	0	
2021	North Sea sediments	NORTH SEA	Co-60	Bq/kg	12	12	< 0.3367 (0.28 - 0.6)	0	
2021	North Sea sediments	NORTH SEA	Cs-134	Bq/kg	12	12	< 0.3667 (0.24 - 0.7)	0	
2021	North Sea sediments	NORTH SEA	Cs-137	Bq/kg	12	11	< 0.3727 (0.25 - 0.7)	1	0.31
2021	North Sea sediments	NORTH SEA	I-131	Bq/kg	12	12	< 13.67 (8 - 23)	0	
2021	North Sea sediments	NORTH SEA	K-40	Bq/kg	12	0		12	217.2 (130 - 251)
2021	North Sea sediments	NORTH SEA	Mn-54	Bq/kg	12	12	< 0.3725 (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)
2021	North Sea sediments	NORTH SEA	Pu-(239+240)	Bq/kg	12	12	< 0.3883 (0.24 - 0.5)	0	
2021	North Sea sediments	NORTH SEA	Pu-238	Bq/kg	12	12	< 0.3983 (0.23 - 0.6)	0	
2021	North Sea sediments	NORTH SEA	Ra-226	Bq/kg	12	0		12	7.667 (4.8 - 11.1)
2021	North Sea sediments	NORTH SEA	Ra-228	Bq/kg	12	0		12	7.333 (4 - 11.8)
2021	North Sea sediments	NORTH SEA	Th-228	Bq/kg	12	0		12	7.533 (4.2 - 12.7)
2021	North Sea sediments	NORTH SEA	U-238	Bq/kg	3	0		3	8.2 (5.6 - 10)
2021	North Sea sediments	NORTH SEA	Zn-65	Bq/kg	12	12	< 1.075 (0.8 - 1.9)	0	
2021	North Sea aquatic plants	OOSTENDE	Ag-110m	Bq/kg	4	4	< 1.1 (1 - 1.2)	0	
2021	North Sea aquatic plants	OOSTENDE	Am-241	Bq/kg	4	4	< 0.05 (0.03 - 0.07)	0	
2021	North Sea aquatic plants	OOSTENDE	Be-7	Bq/kg	4	3	< 12.33 (11 - 13)	1	6
2021	North Sea aquatic plants	OOSTENDE	Co-57	Bq/kg	4	4	< 0.675 (0.5 - 0.8)	0	
2021	North Sea aquatic plants	OOSTENDE	Co-58	Bq/kg	4	4	< 1.45 (1.3 - 1.6)	0	
2021	North Sea aquatic plants	OOSTENDE	Co-60	Bq/kg	4	4	< 1.275 (1.2 - 1.4)	0	
2021	North Sea aquatic plants	OOSTENDE	Cs-134	Bq/kg	4	4	< 1.025 (0.9 - 1.1)	0	
2021	North Sea aquatic plants	OOSTENDE	Cs-137	Bq/kg	4	4	< 1.15 (1 - 1.3)	0	
2021	North Sea aquatic plants	OOSTENDE	H-3	Bq/kg	4	4	< 13.61 (10 - 21)	0	
2021	North Sea aquatic plants	OOSTENDE	I-131	Bq/kg	4	2	< 14.5 (12 - 17)	2	21 (19 - 23)
2021	North Sea aquatic plants	OOSTENDE	K-40	Bq/kg	3	0		3	1053 (940 - 1140)
2021	North Sea aquatic plants	OOSTENDE	Mn-54	Bq/kg	4	4	< 1.175 (1.1 - 1.2)	0	
2021	North Sea aquatic plants	OOSTENDE	Pu-(239+240)	Bq/kg	4	4	< 0.055 (0.04 - 0.07)	0	
2021	North Sea aquatic plants	OOSTENDE	Pu-238	Bq/kg	4	4	< 0.065 (0.05 - 0.08)	0	
2021	North Sea aquatic plants	OOSTENDE	Ra-226	Bq/kg	3	0		3	2.567 (1.7 - 3.4)
2021	North Sea aquatic plants	OOSTENDE	Ra-228	Bq/kg	3	1	< 5	2	5.95 (5.9 - 6)
2021	North Sea aquatic plants	OOSTENDE	Sr-90	Bq/kg	4	4	< 2.578 (1.7 - 3.81)	0	
2021	North Sea aquatic plants	OOSTENDE	Tc-99	Bq/kg	3	3	< 32.33 (27 - 40)	0	
2021	North Sea aquatic plants	OOSTENDE	Th-228	Bq/kg	4	3	< 1.8 (1.5 - 2.1)	1	9
2021	North Sea aquatic plants	OOSTENDE	Zn-65	Bq/kg	4	4	< 3.15 (3 - 3.6)	0	
2021	North Sea fish	NORTH SEA	Ag-110m	Bq/kg	12	12	< 1.292 (0.6 - 2)	0	
2021	North Sea fish	NORTH SEA	Am-241	Bq/kg	12	12	< 0.075 (0.04 - 0.16)	0	
2021	North Sea fish	NORTH SEA	Be-7	Bq/kg	12	12	< 15.08 (7 - 26)	0	
2021	North Sea fish	NORTH SEA	Co-57	Bq/kg	12	12	< 0.84 (0.28 - 1.5)	0	
2021	North Sea fish	NORTH SEA	Co-58	Bq/kg	12	12	< 1.7 (0.9 - 2.8)	0	
2021	North Sea fish	NORTH SEA	Co-60	Bq/kg	12	12	< 1.267 (0.8 - 2.4)	0	
2021	North Sea fish	NORTH SEA	Cs-134	Bq/kg	12	12	< 1.125 (0.5 - 2)	0	
2021	North Sea fish	NORTH SEA	Cs-137	Bq/kg	12	12	< 1.3 (0.6 - 2.2)	0	
2021	North Sea fish	NORTH SEA	H-3	Bq/kg	12	11	< 7.665 (5.991 - 13)	1	14.1
2021	North Sea fish	NORTH SEA	I-131	Bq/kg	12	12	< 41.17 (19 - 80)	0	
2021	North Sea fish	NORTH SEA	K-40	Bq/kg	12	0		12	348.3 (263 - 420)
2021	North Sea fish	NORTH SEA	Mn-54	Bq/kg	12	12	< 1.25 (0.7 - 2.2)	0	
2021	North Sea fish	NORTH SEA	Pu-(239+240)	Bq/kg	12	12	< 0.05667 (0.04 - 0.08)	0	
2021	North Sea fish	NORTH SEA	Pu-238	Bq/kg	12	12	< 0.05833 (0.04 - 0.08)	0	
2021	North Sea fish	NORTH SEA	Ra-226	Bq/kg	12	11	< 2.364 (1.1 - 4)	1	2.5
2021	North Sea fish	NORTH SEA	Ra-228	Bq/kg	12	10	< 5.24 (3.4 - 9)	2	5.05 (3.1 - 7)
2021	North Sea fish	NORTH SEA	Sr-90	Bq/kg	12	12	< 4.595 (3.753 - 5.516)	0	
2021	North Sea fish	NORTH SEA	Tc-99	Bq/kg	1	0		1	14.3
2021	North Sea fish	NORTH SEA	Th-228	Bq/kg	12	11	< 1.873 (0.8 - 3.3)	1	39
2021	North Sea fish	NORTH SEA	Zn-65	Bq/kg	12	12	< 3.108 (2 - 5)	0	
2021	North Sea mussels	OOSTENDE	Ag-110m	Bq/kg	4	4	< 0.64 (0.26 - 1.3)	0	
2021	North Sea mussels	OOSTENDE	Am-241	Bq/kg	4	4	< 0.045 (0.04 - 0.06)	0	
2021	North Sea mussels	OOSTENDE	Be-7	Bq/kg	4	4	< 6.6 (2.4 - 13)	0	
2021	North Sea mussels	OOSTENDE	Co-57	Bq/kg	4	4	< 0.465 (0.16 - 0.9)	0	
2021	North Sea mussels	OOSTENDE	Co-58	Bq/kg	4	4	< 0.775 (0.5 - 1.3)	0	
2021	North Sea mussels	OOSTENDE	Co-60	Bq/kg	4	4	< 0.65 (0.4 - 1.1)	0	
2021	North Sea mussels	OOSTENDE	Cs-134	Bq/kg	4	4	< 0.575 (0.3 - 1.1)	0	
2021	North Sea mussels	OOSTENDE	Cs-137	Bq/kg	4	4	< 0.7 (0.4 - 1.3)	0	
2021	North Sea mussels	OOSTENDE	H-3	Bq/kg	4	4	< 15.76 (6.02 - 22)	0	
2021	North Sea mussels	OOSTENDE	I-131	Bq/kg	4	4	< 8 (4 - 13)	0	
2021	North Sea mussels	OOSTENDE	K-40	Bq/kg	3	0		3	195.7 (164 - 227)

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2021	North Sea mussels	OOSTENDE	Mn-54	Bq/kg	4	4	< 0.625 (0.4 - 1.1)	0	
2021	North Sea mussels	OOSTENDE	Pu-(239+240)	Bq/kg	4	4	< 0.055 (0.04 - 0.07)	0	
2021	North Sea mussels	OOSTENDE	Pu-238	Bq/kg	4	4	< 0.055 (0.05 - 0.06)	0	
2021	North Sea mussels	OOSTENDE	Ra-226	Bq/kg	4	4	< 1.225 (0.6 - 2.3)	0	
2021	North Sea mussels	OOSTENDE	Ra-228	Bq/kg	4	4	< 2.425 (1.5 - 4)	0	
2021	North Sea mussels	OOSTENDE	Sr-90	Bq/kg	4	4	< 2.767 (1.9 - 3.768)	0	
2021	North Sea mussels	OOSTENDE	Th-228	Bq/kg	4	4	< 1.075 (0.5 - 1.9)	0	
2021	North Sea mussels	OOSTENDE	Zn-65	Bq/kg	4	4	< 1.6 (1.1 - 2.6)	0	
2021	North Sea shrimps	OOSTENDE	Ag-110m	Bq/kg	4	4	< 0.65 (0.4 - 0.8)	0	
2021	North Sea shrimps	OOSTENDE	Am-241	Bq/kg	4	4	< 0.0425 (0.03 - 0.06)	0	
2021	North Sea shrimps	OOSTENDE	Be-7	Bq/kg	4	4	< 6.75 (4 - 8)	0	
2021	North Sea shrimps	OOSTENDE	Co-57	Bq/kg	4	4	< 0.5 (0.3 - 0.7)	0	
2021	North Sea shrimps	OOSTENDE	Co-58	Bq/kg	4	4	< 0.8 (0.5 - 1)	0	
2021	North Sea shrimps	OOSTENDE	Co-60	Bq/kg	4	4	< 0.675 (0.4 - 0.8)	0	
2021	North Sea shrimps	OOSTENDE	Cs-134	Bq/kg	4	4	< 0.625 (0.4 - 0.7)	0	
2021	North Sea shrimps	OOSTENDE	Cs-137	Bq/kg	4	4	< 0.65 (0.4 - 0.8)	0	
2021	North Sea shrimps	OOSTENDE	H-3	Bq/kg	4	4	< 18.45 (11.8 - 21)	0	
2021	North Sea shrimps	OOSTENDE	I-131	Bq/kg	4	4	< 7.5 (4 - 10)	0	
2021	North Sea shrimps	OOSTENDE	K-40	Bq/kg	4	0		4	176 (133 - 225)
2021	North Sea shrimps	OOSTENDE	Mn-54	Bq/kg	4	4	< 0.675 (0.4 - 0.8)	0	
2021	North Sea shrimps	OOSTENDE	Pu-(239+240)	Bq/kg	4	4	< 0.0375 (0.03 - 0.04)	0	
2021	North Sea shrimps	OOSTENDE	Pu-238	Bq/kg	4	4	< 0.1075 (0.04 - 0.3)	0	
2021	North Sea shrimps	OOSTENDE	Ra-226	Bq/kg	4	4	< 1.275 (0.8 - 1.5)	0	
2021	North Sea shrimps	OOSTENDE	Ra-228	Bq/kg	4	4	< 2.5 (1.7 - 3)	0	
2021	North Sea shrimps	OOSTENDE	Sr-90	Bq/kg	4	4	< 2.3 (1.6 - 3.2)	0	
2021	North Sea shrimps	OOSTENDE	Th-228	Bq/kg	4	4	< 1.15 (0.8 - 1.5)	0	
2021	North Sea shrimps	OOSTENDE	Zn-65	Bq/kg	4	4	< 1.525 (1 - 1.8)	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)
2021	Drinking water	BASTOGNE-LIBRAMONT-FLORENVILLE	H-3	Bq/l	3	3	< 2.92 (2.78 - 3.02)	0	
2021	Drinking water	BASTOGNE-LIBRAMONT-FLORENVILLE	K-40	Bq/l	3	1	< 0.0167	2	0.0191 (0.0158 - 0.0224)
2021	Drinking water	BASTOGNE-LIBRAMONT-FLORENVILLE	R-Beta	Bq/l	3	3	< 0.04517 (0.043 - 0.0463)	0	
2021	Drinking water	BASTOGNE-LIBRAMONT-FLORENVILLE	Ra-226	Bq/l	2	2	< 0.009285 (0.00865 - 0.00992)	0	
2021	Drinking water	BASTOGNE-LIBRAMONT-FLORENVILLE	Rn-222	Bq/l	3	0		3	26.97 (24.1 - 30)
2021	Drinking water	BASTOGNE-LIBRAMONT-FLORENVILLE	T-Alfa	Bq/l	3	3	< 0.01667 (0.0134 - 0.0204)	0	
2021	Drinking water	BASTOGNE-LIBRAMONT-FLORENVILLE	T-Beta	Bq/l	3	2	< 0.0414 (0.0396 - 0.0432)	1	0.0537
2021	Drinking water	BRUSSELS	H-3	Bq/l	4	1	< 10	3	10.63 (7.7 - 13.2)
2021	Drinking water	BRUSSELS	K-40	Bq/l	4	0		4	0.09 (0.058 - 0.115)
2021	Drinking water	BRUSSELS	R-Beta	Bq/l	4	3	< 0.03667 (0.03 - 0.04)	1	0.06
2021	Drinking water	BRUSSELS	Rn-222	Bq/l	4	4	< 0.5 (0.3 - 1.1)	0	
2021	Drinking water	BRUSSELS	T-Alfa	Bq/l	4	4	< 0.014 (0.012 - 0.016)	0	
2021	Drinking water	BRUSSELS	T-Beta	Bq/l	4	0		4	0.1225 (0.08 - 0.18)
2021	Drinking water	FLEURUS	H-3	Bq/l	3	3	< 2.92 (2.78 - 3.02)	0	
2021	Drinking water	FLEURUS	K-40	Bq/l	3	0		3	0.0488 (0.0464 - 0.0504)
2021	Drinking water	FLEURUS	R-Beta	Bq/l	3	1	< 0.0436	2	0.07 (0.0536 - 0.0864)
2021	Drinking water	FLEURUS	Ra-226	Bq/l	3	0		3	0.07007 (0.0675 - 0.0725)
2021	Drinking water	FLEURUS	Rn-222	Bq/l	3	0		3	2.797 (1.54 - 4.34)
2021	Drinking water	FLEURUS	T-Alfa	Bq/l	3	0		3	0.137 (0.121 - 0.152)
2021	Drinking water	FLEURUS	T-Beta	Bq/l	3	0		3	0.1105 (0.0916 - 0.136)
2021	Drinking water	GENT-SCHELDEWINDEKE	H-3	Bq/l	4	2	< 8 (7 - 9)	2	14.05 (12.1 - 16)
2021	Drinking water	GENT-SCHELDEWINDEKE	K-40	Bq/l	4	0		4	0.1192 (0.102 - 0.129)
2021	Drinking water	GENT-SCHELDEWINDEKE	R-Beta	Bq/l	4	3	< 0.04 (0.04 - 0.04)	1	0.06
2021	Drinking water	GENT-SCHELDEWINDEKE	Rn-222	Bq/l	4	4	< 0.525 (0.3 - 1.1)	0	
2021	Drinking water	GENT-SCHELDEWINDEKE	T-Alfa	Bq/l	4	3	< 0.01333 (0.013 - 0.014)	1	0.012
2021	Drinking water	GENT-SCHELDEWINDEKE	T-Beta	Bq/l	4	0		4	0.1425 (0.09 - 0.19)
2021	Drinking water	HASSELT-ZEPPEREN	H-3	Bq/l	4	4	< 8.25 (6 - 10)	0	
2021	Drinking water	HASSELT-ZEPPEREN	K-40	Bq/l	4	0		4	0.2092 (0.198 - 0.218)
2021	Drinking water	HASSELT-ZEPPEREN	R-Beta	Bq/l	4	3	< 0.04333 (0.04 - 0.05)	1	0.06
2021	Drinking water	HASSELT-ZEPPEREN	Rn-222	Bq/l	4	0		4	2.178 (1.71 - 2.5)
2021	Drinking water	HASSELT-ZEPPEREN	T-Alfa	Bq/l	4	0		4	0.01975 (0.014 - 0.026)
2021	Drinking water	HASSELT-ZEPPEREN	T-Beta	Bq/l	4	0		4	0.24 (0.21 - 0.26)
2021	Drinking water	LEUVEN	H-3	Bq/l	4	4	< 8.25 (6 - 10)	0	
2021	Drinking water	LEUVEN	K-40	Bq/l	4	0		4	0.085 (0.076 - 0.092)
2021	Drinking water	LEUVEN	R-Beta	Bq/l	4	3	< 0.03667 (0.03 - 0.04)	1	0.04
2021	Drinking water	LEUVEN	Rn-222	Bq/l	4	0		4	7.05 (5.3 - 9.9)
2021	Drinking water	LEUVEN	T-Alfa	Bq/l	4	2	< 0.0155 (0.015 - 0.016)	2	0.0275 (0.021 - 0.034)
2021	Drinking water	LEUVEN	T-Beta	Bq/l	4	0		4	0.1 (0.07 - 0.14)
2021	Drinking water	LIEGE	H-3	Bq/l	3	3	< 2.923 (2.79 - 3.02)	0	
2021	Drinking water	LIEGE	K-40	Bq/l	3	0		3	0.07607 (0.0681 - 0.0828)
2021	Drinking water	LIEGE	R-Beta	Bq/l	3	3	< 0.04413 (0.0438 - 0.0444)	0	
2021	Drinking water	LIEGE	Ra-226	Bq/l	3	3	< 0.01072 (0.00937 - 0.013)	0	
2021	Drinking water	LIEGE	Rn-222	Bq/l	3	1	< 0.564	2	0.6905 (0.642 - 0.739)
2021	Drinking water	LIEGE	T-Alfa	Bq/l	3	1	< 0.0376	2	0.03275 (0.0294 - 0.0361)
2021	Drinking water	LIEGE	T-Beta	Bq/l	3	0		3	0.0835 (0.0712 - 0.0934)
2021	Drinking water	MOL	H-3	Bq/l	4	4	< 8.25 (6 - 10)	0	
2021	Drinking water	MOL	K-40	Bq/l	4	0		4	0.1425 (0.135 - 0.151)
2021	Drinking water	MOL	R-Beta	Bq/l	4	4	< 0.04 (0.04 - 0.04)	0	
2021	Drinking water	MOL	Rn-222	Bq/l	4	0		4	1.57 (1.27 - 2.1)
2021	Drinking water	MOL	T-Alfa	Bq/l	4	4	< 0.0115 (0.009 - 0.013)	0	
2021	Drinking water	MOL	T-Beta	Bq/l	4	0		4	0.1525 (0.12 - 0.17)
2021	Drinking water	NAMUR	H-3	Bq/l	3	1	< 2.96	2	4.9 (4.58 - 5.22)
2021	Drinking water	NAMUR	K-40	Bq/l	3	0		3	0.06427 (0.0595 - 0.0694)
2021	Drinking water	NAMUR	R-Beta	Bq/l	3	3	< 0.04613 (0.0451 - 0.047)	0	

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2021	Drinking water	NAMUR	Ra-226	Bq/l	3	3	< 0.01111 (0.00782 - 0.0131)	0	
2021	Drinking water	NAMUR	Rn-222	Bq/l	2	1	< 0.73	1	0.522
2021	Drinking water	NAMUR	T-Alfa	Bq/l	3	3	< 0.0248 (0.0246 - 0.025)	0	
2021	Drinking water	NAMUR	T-Beta	Bq/l	3	0		3	0.07513 (0.0635 - 0.0901)
2021	Drinking water	POPERINGE	H-3	Bq/l	4	4	< 8.75 (7 - 10)	0	
2021	Drinking water	POPERINGE	K-40	Bq/l	4	0		4	0.0785 (0.034 - 0.163)
2021	Drinking water	POPERINGE	R-Beta	Bq/l	4	3	< 0.05 (0.04 - 0.06)	1	0.05
2021	Drinking water	POPERINGE	Rn-222	Bq/l	4	2	< 0.695 (0.29 - 1.1)	2	0.655 (0.59 - 0.72)
2021	Drinking water	POPERINGE	T-Alfa	Bq/l	4	4	< 0.01375 (0.012 - 0.015)	0	
2021	Drinking water	POPERINGE	T-Beta	Bq/l	4	2	< 0.055 (0.05 - 0.06)	2	0.14 (0.07 - 0.21)
2021	Drinking water	RENINGELST	H-3	Bq/l	4	4	< 8.75 (7 - 10)	0	
2021	Drinking water	RENINGELST	K-40	Bq/l	4	0		4	0.188 (0.165 - 0.229)
2021	Drinking water	RENINGELST	R-Beta	Bq/l	4	2	< 0.05 (0.05 - 0.05)	2	0.06 (0.05 - 0.07)
2021	Drinking water	RENINGELST	Ra-226	Bq/l	1	0		1	0.114
2021	Drinking water	RENINGELST	Rn-222	Bq/l	4	0		4	2.218 (1.27 - 3.6)
2021	Drinking water	RENINGELST	T-Alfa	Bq/l	4	0		4	0.08725 (0.07 - 0.1)
2021	Drinking water	RENINGELST	T-Beta	Bq/l	4	0		4	0.2375 (0.2 - 0.3)
2021	Drinking water	WAVRE	H-3	Bq/l	3	3	< 2.937 (2.83 - 3.02)	0	
2021	Drinking water	WAVRE	K-40	Bq/l	3	0		3	0.1333 (0.116 - 0.146)
2021	Drinking water	WAVRE	R-Beta	Bq/l	3	2	< 0.04595 (0.0459 - 0.046)	1	0.09
2021	Drinking water	WAVRE	Ra-226	Bq/l	3	3	< 0.00867 (0.00733 - 0.0105)	0	
2021	Drinking water	WAVRE	Rn-222	Bq/l	3	0		3	15.63 (13.4 - 17.5)
2021	Drinking water	WAVRE	T-Alfa	Bq/l	3	1	< 0.0352	2	0.03885 (0.0367 - 0.041)
2021	Drinking water	WAVRE	T-Beta	Bq/l	3	0		3	0.1823 (0.155 - 0.206)
2021	Milk cow	BEERSEL	Cs-137	Bq/l	52	52	< 0.1116 (0.012 - 0.24)	0	
2021	Milk cow	BEERSEL	I-131	Bq/l	52	52	< 0.661 (0.11 - 2.3)	0	
2021	Milk cow	BEERSEL	K-40	Bq/l	52	0		52	50.9 (46 - 56)
2021	Milk cow	BEERSEL	Sr-90	Bq/l	13	13	< 0.04615 (0.04 - 0.06)	0	
2021	Milk cow	BEVEREN	Cs-137	Bq/l	53	53	< 0.1769 (0.012 - 0.28)	0	
2021	Milk cow	BEVEREN	I-131	Bq/l	53	53	< 0.2287 (0.1 - 0.4)	0	
2021	Milk cow	BEVEREN	K-40	Bq/l	53	0		53	47.43 (43 - 52)
2021	Milk cow	BEVEREN	Sr-90	Bq/l	13	13	< 0.04615 (0.04 - 0.06)	0	
2021	Milk cow	CHOOZ	Cs-137	Bq/l	52	52	< 0.7489 (0.367 - 0.981)	0	
2021	Milk cow	CHOOZ	I-131	Bq/l	52	52	< 3.106 (0.785 - 20.1)	0	
2021	Milk cow	CHOOZ	K-40	Bq/l	52	0		52	46.16 (38.7 - 56.9)
2021	Milk cow	CHOOZ	Sr-90	Bq/l	13	13	< 0.03702 (0.0259 - 0.0471)	0	
2021	Milk cow	FLEURUS	Cs-137	Bq/l	52	52	< 0.7649 (0.385 - 0.978)	0	
2021	Milk cow	FLEURUS	I-131	Bq/l	52	52	< 3.161 (0.813 - 21.4)	0	
2021	Milk cow	FLEURUS	K-40	Bq/l	52	1	< 14.3	51	45.26 (34.3 - 59.4)
2021	Milk cow	FLEURUS	Sr-90	Bq/l	13	13	< 0.04076 (0.0223 - 0.0795)	0	
2021	Milk cow	MOL-DESSEL	Cs-137	Bq/l	53	52	< 0.1794 (0.012 - 0.29)	1	0.09
2021	Milk cow	MOL-DESSEL	I-131	Bq/l	53	53	< 0.2125 (0.1 - 0.4)	0	
2021	Milk cow	MOL-DESSEL	K-40	Bq/l	53	0		53	47.51 (39 - 55)
2021	Milk cow	MOL-DESSEL	Sr-90	Bq/l	13	13	< 0.04692 (0.03 - 0.06)	0	
2021	Milk cow	TIHANGE	Cs-137	Bq/l	52	52	< 0.7478 (0.352 - 1.01)	0	
2021	Milk cow	TIHANGE	I-131	Bq/l	52	52	< 3.285 (0.803 - 24.6)	0	
2021	Milk cow	TIHANGE	K-40	Bq/l	52	0		52	45.53 (33.1 - 57.6)
2021	Milk cow	TIHANGE	Sr-90	Bq/l	13	13	< 0.04054 (0.0207 - 0.0657)	0	
2021	Fish (from fresh & sea water)	DROGENBOS	Ag-110m	Bq/kg	12	12	< 0.7167 (0.4 - 1)	0	
2021	Fish (from fresh & sea water)	DROGENBOS	Be-7	Bq/kg	12	12	< 7 (4 - 10)	0	
2021	Fish (from fresh & sea water)	DROGENBOS	Co-57	Bq/kg	12	12	< 0.4658 (0.19 - 0.7)	0	
2021	Fish (from fresh & sea water)	DROGENBOS	Co-58	Bq/kg	12	12	< 0.85 (0.6 - 1.1)	0	
2021	Fish (from fresh & sea water)	DROGENBOS	Co-60	Bq/kg	12	12	< 0.7083 (0.5 - 0.9)	0	
2021	Fish (from fresh & sea water)	DROGENBOS	Cs-134	Bq/kg	12	12	< 0.6 (0.4 - 0.8)	0	
2021	Fish (from fresh & sea water)	DROGENBOS	Cs-137	Bq/kg	12	11	< 0.7455 (0.5 - 1.1)	1	0.43
2021	Fish (from fresh & sea water)	DROGENBOS	K-40	Bq/kg	12	0		12	441.7 (340 - 560)
2021	Fish (from fresh & sea water)	DROGENBOS	Mn-54	Bq/kg	12	12	< 0.6833 (0.5 - 0.9)	0	
2021	Fish (from fresh & sea water)	DROGENBOS	Ra-226	Bq/kg	12	12	< 1.25 (0.7 - 1.8)	0	

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2021	Fish (from fresh & sea water)	DROGENBOS	Ra-228	Bq/kg	12	11	< 2.673 (1.8 - 4)	1	6
2021	Fish (from fresh & sea water)	DROGENBOS	Sr-90	Bq/kg	4	4	< 1.65 (1.4 - 2.1)	0	
2021	Fish (from fresh & sea water)	DROGENBOS	Th-228	Bq/kg	12	12	< 1.058 (0.5 - 1.5)	0	
2021	Fish (from fresh & sea water)	DROGENBOS	Zn-65	Bq/kg	12	12	< 1.825 (1.4 - 2.4)	0	
2021	Fish (from fresh & sea water)	FLEURUS	Ag-110m	Bq/kg	13	13	< 2.811 (1.81 - 4.46)	0	
2021	Fish (from fresh & sea water)	FLEURUS	Be-7	Bq/kg	13	13	< 37.03 (22 - 67.2)	0	
2021	Fish (from fresh & sea water)	FLEURUS	Co-57	Bq/kg	13	13	< 1.255 (0.804 - 1.84)	0	
2021	Fish (from fresh & sea water)	FLEURUS	Co-58	Bq/kg	13	13	< 3.938 (2.43 - 6.98)	0	
2021	Fish (from fresh & sea water)	FLEURUS	Co-60	Bq/kg	13	13	< 2.541 (1.8 - 3.79)	0	
2021	Fish (from fresh & sea water)	FLEURUS	Cs-134	Bq/kg	13	13	< 2.165 (1.39 - 3.13)	0	
2021	Fish (from fresh & sea water)	FLEURUS	Cs-137	Bq/kg	13	9	< 2.027 (1.38 - 3.11)	4	1.845 (1.33 - 2.91)
2021	Fish (from fresh & sea water)	FLEURUS	K-40	Bq/kg	13	0		13	462 (307 - 625)
2021	Fish (from fresh & sea water)	FLEURUS	Mn-54	Bq/kg	13	13	< 2.403 (1.59 - 3.61)	0	
2021	Fish (from fresh & sea water)	FLEURUS	Ra-226	Bq/kg	13	13	< 4.172 (2.64 - 6.18)	0	
2021	Fish (from fresh & sea water)	FLEURUS	Ra-228	Bq/kg	13	13	< 9.478 (5.98 - 14.5)	0	
2021	Fish (from fresh & sea water)	FLEURUS	Sr-90	Bq/kg	4	3	< 0.1051 (0.0603 - 0.129)	1	0.393
2021	Fish (from fresh & sea water)	FLEURUS	Th-228	Bq/kg	13	13	< 3.442 (2.03 - 5.45)	0	
2021	Fish (from fresh & sea water)	FLEURUS	Zn-65	Bq/kg	13	13	< 6.124 (3.71 - 9.5)	0	
2021	Fish (from fresh & sea water)	MOL	Ag-110m	Bq/kg	12	12	< 0.7833 (0.5 - 1.1)	0	
2021	Fish (from fresh & sea water)	MOL	Be-7	Bq/kg	12	12	< 9 (5 - 14)	0	
2021	Fish (from fresh & sea water)	MOL	Co-57	Bq/kg	12	12	< 0.5875 (0.2 - 0.9)	0	
2021	Fish (from fresh & sea water)	MOL	Co-58	Bq/kg	12	12	< 0.975 (0.6 - 1.4)	0	
2021	Fish (from fresh & sea water)	MOL	Co-60	Bq/kg	12	12	< 0.7333 (0.6 - 0.9)	0	
2021	Fish (from fresh & sea water)	MOL	Cs-134	Bq/kg	12	12	< 0.675 (0.4 - 0.9)	0	
2021	Fish (from fresh & sea water)	MOL	Cs-137	Bq/kg	12	9	< 0.8 (0.5 - 1.2)	3	0.6067 (0.5 - 0.8)
2021	Fish (from fresh & sea water)	MOL	K-40	Bq/kg	12	0		12	402.8 (320 - 480)
2021	Fish (from fresh & sea water)	MOL	Mn-54	Bq/kg	12	12	< 0.7333 (0.5 - 0.9)	0	
2021	Fish (from fresh & sea water)	MOL	Ra-226	Bq/kg	12	10	< 1.39 (0.8 - 1.8)	2	1.5 (1.3 - 1.7)
2021	Fish (from fresh & sea water)	MOL	Ra-228	Bq/kg	12	11	< 2.755 (1.8 - 4)	1	9
2021	Fish (from fresh & sea water)	MOL	Sr-90	Bq/kg	4	4	< 1.45 (1.3 - 1.6)	0	
2021	Fish (from fresh & sea water)	MOL	Th-228	Bq/kg	12	12	< 1.233 (0.6 - 1.6)	0	
2021	Fish (from fresh & sea water)	MOL	Zn-65	Bq/kg	12	12	< 1.9 (1.4 - 2.4)	0	
2021	Fruits & vegetables	DROGENBOS	Ag-110m	Bq/kg	12	12	< 0.925 (0.7 - 1.2)	0	
2021	Fruits & vegetables	DROGENBOS	Be-7	Bq/kg	12	12	< 10.17 (7 - 13)	0	
2021	Fruits & vegetables	DROGENBOS	Co-57	Bq/kg	12	12	< 0.6492 (0.29 - 1)	0	
2021	Fruits & vegetables	DROGENBOS	Co-58	Bq/kg	12	12	< 1.183 (0.9 - 1.5)	0	
2021	Fruits & vegetables	DROGENBOS	Co-60	Bq/kg	12	12	< 1.008 (0.7 - 1.3)	0	
2021	Fruits & vegetables	DROGENBOS	Cs-134	Bq/kg	12	12	< 0.825 (0.6 - 1.1)	0	
2021	Fruits & vegetables	DROGENBOS	Cs-137	Bq/kg	12	12	< 0.9583 (0.7 - 1.2)	0	
2021	Fruits & vegetables	DROGENBOS	K-40	Bq/kg	12	0		12	786.7 (180 - 1340)
2021	Fruits & vegetables	DROGENBOS	Mn-54	Bq/kg	12	12	< 0.9583 (0.7 - 1.3)	0	
2021	Fruits & vegetables	DROGENBOS	Ra-226	Bq/kg	12	12	< 1.708 (1.1 - 2.2)	0	
2021	Fruits & vegetables	DROGENBOS	Ra-228	Bq/kg	12	11	< 3.655 (2.9 - 5)	1	8
2021	Fruits & vegetables	DROGENBOS	Sr-90	Bq/kg	4	4	< 3.375 (2.7 - 4)	0	
2021	Fruits & vegetables	DROGENBOS	Th-228	Bq/kg	12	11	< 1.527 (0.8 - 2.3)	1	10
2021	Fruits & vegetables	DROGENBOS	Zn-65	Bq/kg	12	12	< 2.533 (1.9 - 3)	0	
2021	Fruits & vegetables	FLEURUS	Ag-110m	Bq/kg	13	13	< 4.341 (0.378 - 10.1)	0	
2021	Fruits & vegetables	FLEURUS	Be-7	Bq/kg	13	13	< 47 (4.88 - 96.5)	0	
2021	Fruits & vegetables	FLEURUS	Co-57	Bq/kg	13	13	< 1.833 (0.177 - 3.66)	0	
2021	Fruits & vegetables	FLEURUS	Co-58	Bq/kg	13	13	< 5.363 (0.494 - 11.6)	0	
2021	Fruits & vegetables	FLEURUS	Co-60	Bq/kg	13	13	< 4.288 (0.365 - 10.3)	0	
2021	Fruits & vegetables	FLEURUS	Cs-134	Bq/kg	13	13	< 3.507 (0.319 - 7.94)	0	
2021	Fruits & vegetables	FLEURUS	Cs-137	Bq/kg	13	13	< 3.529 (0.29 - 8.04)	0	
2021	Fruits & vegetables	FLEURUS	K-40	Bq/kg	13	0		13	931 (35.9 - 1470)
2021	Fruits & vegetables	FLEURUS	Mn-54	Bq/kg	13	13	< 3.818 (0.328 - 8.34)	0	
2021	Fruits & vegetables	FLEURUS	Ra-226	Bq/kg	13	12	< 6.84 (0.616 - 15.2)	1	4.85
2021	Fruits & vegetables	FLEURUS	Ra-228	Bq/kg	13	13	< 14.96 (1.15 - 32.8)	0	
2021	Fruits & vegetables	FLEURUS	Sr-90	Bq/kg	4	4	< 0.1417 (0.0468 - 0.208)	0	

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2021	Fruits & vegetables	FLEURUS	Th-228	Bq/kg	13	13	< 5.209 (0.518 - 10.1)	0	
2021	Fruits & vegetables	FLEURUS	Zn-65	Bq/kg	13	13	< 9.445 (0.835 - 20.8)	0	
2021	Fruits & vegetables	MOL	Ag-110m	Bq/kg	12	12	< 1.008 (0.7 - 1.8)	0	
2021	Fruits & vegetables	MOL	Be-7	Bq/kg	12	12	< 11.83 (7 - 18)	0	
2021	Fruits & vegetables	MOL	Co-57	Bq/kg	12	12	< 0.6575 (0.29 - 1.2)	0	
2021	Fruits & vegetables	MOL	Co-58	Bq/kg	12	12	< 1.35 (1 - 1.8)	0	
2021	Fruits & vegetables	MOL	Co-60	Bq/kg	12	12	< 1.117 (0.9 - 1.5)	0	
2021	Fruits & vegetables	MOL	Cs-134	Bq/kg	12	12	< 0.9083 (0.6 - 1.4)	0	
2021	Fruits & vegetables	MOL	Cs-137	Bq/kg	12	12	< 0.9833 (0.5 - 1.9)	0	
2021	Fruits & vegetables	MOL	K-40	Bq/kg	12	0		12	775.4 (195 - 1210)
2021	Fruits & vegetables	MOL	Mn-54	Bq/kg	12	12	< 1.05 (0.8 - 1.5)	0	
2021	Fruits & vegetables	MOL	Ra-226	Bq/kg	12	12	< 1.817 (1 - 3)	0	
2021	Fruits & vegetables	MOL	Ra-228	Bq/kg	12	11	< 4.091 (3 - 6)	1	6
2021	Fruits & vegetables	MOL	Sr-90	Bq/kg	4	4	< 2.825 (1.7 - 4)	0	
2021	Fruits & vegetables	MOL	Th-228	Bq/kg	12	12	< 1.592 (0.8 - 2.6)	0	
2021	Fruits & vegetables	MOL	Zn-65	Bq/kg	12	12	< 2.792 (2.3 - 4)	0	
2021	Meat animal products	DROGENBOS	Ag-110m	Bq/kg	12	12	< 0.6667 (0.4 - 1.1)	0	
2021	Meat animal products	DROGENBOS	Be-7	Bq/kg	12	12	< 6.9 (3.8 - 11)	0	
2021	Meat animal products	DROGENBOS	Co-57	Bq/kg	12	12	< 0.45 (0.18 - 0.8)	0	
2021	Meat animal products	DROGENBOS	Co-58	Bq/kg	12	12	< 0.7833 (0.5 - 1.2)	0	
2021	Meat animal products	DROGENBOS	Co-60	Bq/kg	12	12	< 0.6583 (0.4 - 1)	0	
2021	Meat animal products	DROGENBOS	Cs-134	Bq/kg	12	12	< 0.57 (0.34 - 0.9)	0	
2021	Meat animal products	DROGENBOS	Cs-137	Bq/kg	12	11	< 0.6455 (0.4 - 1.2)	1	1.7
2021	Meat animal products	DROGENBOS	K-40	Bq/kg	12	0		12	380.5 (300 - 460)
2021	Meat animal products	DROGENBOS	Mn-54	Bq/kg	12	12	< 0.6333 (0.4 - 1)	0	
2021	Meat animal products	DROGENBOS	Ra-226	Bq/kg	12	12	< 1.175 (0.7 - 1.9)	0	
2021	Meat animal products	DROGENBOS	Ra-228	Bq/kg	12	12	< 2.517 (1.6 - 4)	0	
2021	Meat animal products	DROGENBOS	Sr-90	Bq/kg	4	4	< 1.7 (1.4 - 2.2)	0	
2021	Meat animal products	DROGENBOS	Th-228	Bq/kg	12	12	< 1.042 (0.5 - 1.6)	0	
2021	Meat animal products	DROGENBOS	Zn-65	Bq/kg	12	12	< 1.675 (1.1 - 2.6)	0	
2021	Meat animal products	FLEURUS	Ag-110m	Bq/kg	13	13	< 2.238 (1.9 - 3.04)	0	
2021	Meat animal products	FLEURUS	Be-7	Bq/kg	13	13	< 26.55 (20.4 - 35)	0	
2021	Meat animal products	FLEURUS	Co-57	Bq/kg	13	13	< 1.028 (0.848 - 1.53)	0	
2021	Meat animal products	FLEURUS	Co-58	Bq/kg	13	13	< 2.963 (2.41 - 3.75)	0	
2021	Meat animal products	FLEURUS	Co-60	Bq/kg	13	13	< 2.071 (1.72 - 2.51)	0	
2021	Meat animal products	FLEURUS	Cs-134	Bq/kg	13	13	< 1.785 (1.51 - 2.4)	0	
2021	Meat animal products	FLEURUS	Cs-137	Bq/kg	13	8	< 1.534 (1.17 - 2.21)	5	1.082 (0.745 - 1.41)
2021	Meat animal products	FLEURUS	K-40	Bq/kg	13	0		13	395 (286 - 468)
2021	Meat animal products	FLEURUS	Mn-54	Bq/kg	13	13	< 1.967 (1.71 - 2.46)	0	
2021	Meat animal products	FLEURUS	Ra-226	Bq/kg	13	12	< 3.518 (3.07 - 4.74)	1	2.91
2021	Meat animal products	FLEURUS	Ra-228	Bq/kg	13	13	< 7.479 (6.3 - 9.77)	0	
2021	Meat animal products	FLEURUS	Sr-90	Bq/kg	4	3	< 0.1167 (0.0991 - 0.138)	1	0.312
2021	Meat animal products	FLEURUS	Th-228	Bq/kg	13	13	< 2.752 (2.15 - 3.9)	0	
2021	Meat animal products	FLEURUS	Zn-65	Bq/kg	13	13	< 4.835 (4.24 - 6.19)	0	
2021	Meat animal products	MOL	Ag-110m	Bq/kg	12	12	< 0.8083 (0.4 - 1.3)	0	
2021	Meat animal products	MOL	Be-7	Bq/kg	12	12	< 9.25 (5 - 15)	0	
2021	Meat animal products	MOL	Co-57	Bq/kg	12	12	< 0.4733 (0.2 - 0.9)	0	
2021	Meat animal products	MOL	Co-58	Bq/kg	12	12	< 1.108 (0.6 - 1.7)	0	
2021	Meat animal products	MOL	Co-60	Bq/kg	12	12	< 0.8417 (0.5 - 1.1)	0	
2021	Meat animal products	MOL	Cs-134	Bq/kg	12	12	< 0.6833 (0.4 - 1.1)	0	
2021	Meat animal products	MOL	Cs-137	Bq/kg	12	10	< 0.79 (0.5 - 1.3)	2	17.3 (1.6 - 33)
2021	Meat animal products	MOL	K-40	Bq/kg	12	0		12	412.4 (239 - 480)
2021	Meat animal products	MOL	Mn-54	Bq/kg	12	12	< 0.8083 (0.5 - 1.2)	0	
2021	Meat animal products	MOL	Ra-226	Bq/kg	12	11	< 1.418 (0.8 - 2.3)	1	0.42
2021	Meat animal products	MOL	Ra-228	Bq/kg	12	12	< 3.05 (1.9 - 5)	0	
2021	Meat animal products	MOL	Sr-90	Bq/kg	4	4	< 1.6 (1.2 - 2)	0	
2021	Meat animal products	MOL	Th-228	Bq/kg	12	11	< 1.145 (0.5 - 1.9)	1	0.38
2021	Meat animal products	MOL	Zn-65	Bq/kg	12	12	< 2.15 (1.3 - 3)	0	

Year	Sample	Locality	Nuclides	Unit	Nbr. analyses in total	Nbr. analyses below DL	DL (mean & range)	Nbr. measurements	Measurements (mean & range)
2021	Mixed diet	DROGENBOS	Ag-110m	Bq/day per p.	13	13	< 0.362 (0.2165 - 0.5681)	0	
2021	Mixed diet	DROGENBOS	Be-7	Bq/day per p.	13	13	< 4.194 (2.877 - 7.805)	0	
2021	Mixed diet	DROGENBOS	C-14	Bq/g of stable carbon	4	0		4	0.2225 (0.17 - 0.27)
2021	Mixed diet	DROGENBOS	Co-57	Bq/day per p.	13	13	< 0.2645 (0.1082 - 0.5575)	0	
2021	Mixed diet	DROGENBOS	Co-58	Bq/day per p.	13	13	< 0.4694 (0.2984 - 0.7247)	0	
2021	Mixed diet	DROGENBOS	Co-60	Bq/day per p.	13	13	< 0.3539 (0.2387 - 0.5017)	0	
2021	Mixed diet	DROGENBOS	Cs-134	Bq/day per p.	13	13	< 0.3301 (0.2165 - 0.5575)	0	
2021	Mixed diet	DROGENBOS	Cs-137	Bq/day per p.	13	13	< 0.3761 (0.2387 - 0.5681)	0	
2021	Mixed diet	DROGENBOS	I-131	Bq/day per p.	1	1	< 3.608	0	
2021	Mixed diet	DROGENBOS	K-40	Bq/day per p.	13	0		13	117.4 (91.61 - 148.4)
2021	Mixed diet	DROGENBOS	Mn-54	Bq/day per p.	13	13	< 0.355 (0.2387 - 0.5017)	0	
2021	Mixed diet	DROGENBOS	Ra-226	Bq/day per p.	13	12	< 0.7067 (0.4178 - 1.394)	1	1.053
2021	Mixed diet	DROGENBOS	Ra-228	Bq/day per p.	13	12	< 1.405 (0.7758 - 2.23)	1	2.844
2021	Mixed diet	DROGENBOS	Sr-90	Bq/day per p.	4	4	< 0.05056 (0.03345 - 0.06876)	0	
2021	Mixed diet	DROGENBOS	Th-228	Bq/day per p.	13	13	< 0.6048 (0.2886 - 1.226)	0	
2021	Mixed diet	DROGENBOS	U-238	Bq/day per p.	1	1	< 6.876	0	
2021	Mixed diet	DROGENBOS	Zn-65	Bq/day per p.	13	13	< 0.8912 (0.5968 - 1.282)	0	
2021	Mixed diet	FLEURUS	Ag-110m	Bq/day per p.	12	12	< 3.056 (1.354 - 6.625)	0	
2021	Mixed diet	FLEURUS	Be-7	Bq/day per p.	12	12	< 30.89 (13.01 - 66.5)	0	
2021	Mixed diet	FLEURUS	C-14	Bq/g of stable carbon	3	0		3	0.2517 (0.24 - 0.267)
2021	Mixed diet	FLEURUS	Co-57	Bq/day per p.	12	12	< 1.328 (0.6503 - 3.175)	0	
2021	Mixed diet	FLEURUS	Co-58	Bq/day per p.	12	12	< 3.537 (1.558 - 6.95)	0	
2021	Mixed diet	FLEURUS	Co-60	Bq/day per p.	12	12	< 2.95 (1.293 - 5.1)	0	
2021	Mixed diet	FLEURUS	Cs-134	Bq/day per p.	12	12	< 2.458 (1.074 - 4.875)	0	
2021	Mixed diet	FLEURUS	Cs-137	Bq/day per p.	12	12	< 2.445 (1.021 - 4.4)	0	
2021	Mixed diet	FLEURUS	I-131	Bq/day per p.	12	12	< 131.1 (29.26 - 580.8)	0	
2021	Mixed diet	FLEURUS	K-40	Bq/day per p.	12	0		12	209.2 (125.2 - 602.5)
2021	Mixed diet	FLEURUS	Mn-54	Bq/day per p.	12	12	< 2.74 (1.293 - 5.025)	0	
2021	Mixed diet	FLEURUS	Nb-95	Bq/day per p.	12	12	< 5.768 (2.458 - 11.65)	0	
2021	Mixed diet	FLEURUS	Ra-226	Bq/day per p.	12	12	< 4.946 (2.427 - 9.125)	0	
2021	Mixed diet	FLEURUS	Ra-228	Bq/day per p.	12	12	< 10.56 (5.036 - 20.85)	0	
2021	Mixed diet	FLEURUS	Sr-90	Bq/day per p.	4	3	< 0.1173 (0.08287 - 0.1827)	1	0.6144
2021	Mixed diet	FLEURUS	Th-228	Bq/day per p.	12	12	< 3.694 (1.611 - 8.1)	0	
2021	Mixed diet	FLEURUS	Zn-65	Bq/day per p.	12	12	< 6.122 (2.964 - 11.8)	0	
2021	Mixed diet	MOL-TESSENDERLO-HASSELT	Ag-110m	Bq/day per p.	13	13	< 0.5209 (0.2639 - 1.58)	0	
2021	Mixed diet	MOL-TESSENDERLO-HASSELT	Be-7	Bq/day per p.	13	13	< 5.378 (3.299 - 17.11)	0	
2021	Mixed diet	MOL-TESSENDERLO-HASSELT	C-14	Bq/g of stable carbon	4	0		4	0.2362 (0.185 - 0.32)
2021	Mixed diet	MOL-TESSENDERLO-HASSELT	Co-57	Bq/day per p.	13	13	< 0.3432 (0.1518 - 1.185)	0	
2021	Mixed diet	MOL-TESSENDERLO-HASSELT	Co-58	Bq/day per p.	13	13	< 0.6093 (0.3959 - 1.975)	0	
2021	Mixed diet	MOL-TESSENDERLO-HASSELT	Co-60	Bq/day per p.	13	13	< 0.4801 (0.2639 - 1.382)	0	
2021	Mixed diet	MOL-TESSENDERLO-HASSELT	Cs-134	Bq/day per p.	12	12	< 0.4493 (0.2639 - 1.382)	0	
2021	Mixed diet	MOL-TESSENDERLO-HASSELT	Cs-137	Bq/day per p.	12	9	< 0.5359 (0.2639 - 1.514)	3	0.7363 (0.507 - 1.12)
2021	Mixed diet	MOL-TESSENDERLO-HASSELT	I-131	Bq/day per p.	1	1	< 3.477	0	
2021	Mixed diet	MOL-TESSENDERLO-HASSELT	K-40	Bq/day per p.	13	0		13	154.7 (80.62 - 566)
2021	Mixed diet	MOL-TESSENDERLO-HASSELT	Mn-54	Bq/day per p.	13	13	< 0.4798 (0.2639 - 1.448)	0	
2021	Mixed diet	MOL-TESSENDERLO-HASSELT	Ra-226	Bq/day per p.	13	13	< 0.8684 (0.3557 - 2.633)	0	
2021	Mixed diet	MOL-TESSENDERLO-HASSELT	Ra-228	Bq/day per p.	13	13	< 1.903 (0.9238 - 5.924)	0	
2021	Mixed diet	MOL-TESSENDERLO-HASSELT	Sr-90	Bq/day per p.	4	4	< 0.0512 (0.03477 - 0.09241)	0	
2021	Mixed diet	MOL-TESSENDERLO-HASSELT	Th-228	Bq/day per p.	12	12	< 0.7712 (0.3959 - 2.567)	0	
2021	Mixed diet	MOL-TESSENDERLO-HASSELT	U-238	Bq/day per p.	1	1	< 8.172	0	
2021	Mixed diet	MOL-TESSENDERLO-HASSELT	Zn-65	Bq/day per p.	13	13	< 1.191 (0.6599 - 3.949)	0	