

INFORMATION FILE

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**Radiological surveillance
of the territory and discharges of Class 1
nuclear facilities
2020 : Annexes**

**Surveillance radiologique
du territoire et des effluents des
établissements nucléaires de classe 1
2020 : Annexes**

**Radiologisch toezicht op het
grondgebied en de effluenten
van nucleaire inrichtingen
klasse 1
2020 : Bijlagen**



federal agency for nuclear control

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.

The global mean is the (arithmetic) mean of all analyses that are below the detection limit and the mean of all measurements. Values expressed in Bq/kg are in Bq/kg dry matter (DL: detection limit).

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	Freshwater aquatic mosses	AMPSIN-FLÉMALLE	AG-110M	BQ/KG	3	3,03	6,070	9,66	1	8,27	8,270	8,27	6,6
2020	Freshwater aquatic mosses	AMPSIN-FLÉMALLE	BE-7	BQ/KG	0	0	0,000	0	4	44,5	109,150	192	109,2
2020	Freshwater aquatic mosses	AMPSIN-FLÉMALLE	CO-57	BQ/KG	4	1,2	2,495	4,14	0	0	0,000	0	2,5
2020	Freshwater aquatic mosses	AMPSIN-FLÉMALLE	CO-58	BQ/KG	3	3,63	5,517	8,93	1	7,89	7,890	7,89	6,1
2020	Freshwater aquatic mosses	AMPSIN-FLÉMALLE	CO-60	BQ/KG	1	8,12	8,120	8,12	3	3,22	20,773	36,2	17,6
2020	Freshwater aquatic mosses	AMPSIN-FLÉMALLE	CS-134	BQ/KG	4	2,45	4,453	7,32	0	0	0,000	0	4,5
2020	Freshwater aquatic mosses	AMPSIN-FLÉMALLE	CS-137	BQ/KG	0	0	0,000	0	4	3,3	6,168	10,5	6,2
2020	Freshwater aquatic mosses	AMPSIN-FLÉMALLE	H-3	BQ/KG	1	18,9	18,900	18,9	3	47,3	54,533	58,2	45,6
2020	Freshwater aquatic mosses	AMPSIN-FLÉMALLE	I-131	BQ/KG	4	92,3	120,075	141	0	0	0,000	0	120,1
2020	Freshwater aquatic mosses	AMPSIN-FLÉMALLE	K-40	BQ/KG	0	0	0,000	0	4	208	350,500	666	350,5
2020	Freshwater aquatic mosses	AMPSIN-FLÉMALLE	MN-54	BQ/KG	4	2,76	4,425	6,84	0	0	0,000	0	4,4
2020	Freshwater aquatic mosses	AMPSIN-FLÉMALLE	NB-95	BQ/KG	4	6,22	9,403	13,3	0	0	0,000	0	9,4
2020	Freshwater aquatic mosses	AMPSIN-FLÉMALLE	RA-226	BQ/KG	0	0	0,000	0	4	11,5	22,575	31,8	22,6
2020	Freshwater aquatic mosses	AMPSIN-FLÉMALLE	RA-228	BQ/KG	1	34,1	34,100	34,1	3	16	18,233	22,3	22,2
2020	Freshwater aquatic mosses	AMPSIN-FLÉMALLE	TH-228	BQ/KG	1	7,4	7,400	7,4	3	18,4	21,967	27,2	18,3
2020	Freshwater aquatic mosses	AMPSIN-FLÉMALLE	ZN-65	BQ/KG	4	6,35	11,283	19,3	0	0	0,000	0	11,3
2020	Freshwater aquatic mosses	ANDENNE (GIVES)	AG-110M	BQ/KG	4	4,46	4,923	5,42	0	0	0,000	0	4,9
2020	Freshwater aquatic mosses	ANDENNE (GIVES)	BE-7	BQ/KG	0	0	0,000	0	4	99,5	144,875	239	144,9
2020	Freshwater aquatic mosses	ANDENNE (GIVES)	CO-57	BQ/KG	4	2,14	2,380	2,68	0	0	0,000	0	2,4
2020	Freshwater aquatic mosses	ANDENNE (GIVES)	CO-58	BQ/KG	4	4,61	5,238	6,27	0	0	0,000	0	5,2
2020	Freshwater aquatic mosses	ANDENNE (GIVES)	CO-60	BQ/KG	4	3,63	4,095	4,63	0	0	0,000	0	4,1
2020	Freshwater aquatic mosses	ANDENNE (GIVES)	CS-134	BQ/KG	4	3,37	3,845	4,2	0	0	0,000	0	3,8
2020	Freshwater aquatic mosses	ANDENNE (GIVES)	CS-137	BQ/KG	4	2,53	3,228	4,24	0	0	0,000	0	3,2
2020	Freshwater aquatic mosses	ANDENNE (GIVES)	H-3	BQ/KG	1	19,2	19,200	19,2	3	39,6	44,867	49,1	38,5
2020	Freshwater aquatic mosses	ANDENNE (GIVES)	I-131	BQ/KG	4	88,6	156,650	288	0	0	0,000	0	156,7
2020	Freshwater aquatic mosses	ANDENNE (GIVES)	K-40	BQ/KG	1	94,1	94,100	94,1	3	162	204,667	287	177,0
2020	Freshwater aquatic mosses	ANDENNE (GIVES)	MN-54	BQ/KG	4	3,3	3,855	4,46	0	0	0,000	0	3,9
2020	Freshwater aquatic mosses	ANDENNE (GIVES)	NB-95	BQ/KG	4	7,48	8,608	11,1	0	0	0,000	0	8,6
2020	Freshwater aquatic mosses	ANDENNE (GIVES)	RA-226	BQ/KG	1	10,6	10,600	10,6	3	10,2	17,867	26,7	16,1
2020	Freshwater aquatic mosses	ANDENNE (GIVES)	RA-228	BQ/KG	2	17,9	18,650	19,4	2	17,5	18,300	19,1	18,5
2020	Freshwater aquatic mosses	ANDENNE (GIVES)	TH-228	BQ/KG	1	8,86	8,860	8,86	3	9,16	10,180	11,7	9,9
2020	Freshwater aquatic mosses	ANDENNE (GIVES)	ZN-65	BQ/KG	4	8,76	10,020	10,9	0	0	0,000	0	10,0
2020	Freshwater aquatic mosses	HUY	AG-110M	BQ/KG	4	7,86	9,865	11,2	0	0	0,000	0	9,9
2020	Freshwater aquatic mosses	HUY	BE-7	BQ/KG	4	86,2	94,825	101	0	0	0,000	0	94,8
2020	Freshwater aquatic mosses	HUY	CO-57	BQ/KG	4	3,2	3,925	4,85	0	0	0,000	0	3,9
2020	Freshwater aquatic mosses	HUY	CO-58	BQ/KG	4	9,78	10,620	11,1	0	0	0,000	0	10,6
2020	Freshwater aquatic mosses	HUY	CO-60	BQ/KG	4	8,47	9,255	10,2	0	0	0,000	0	9,3
2020	Freshwater aquatic mosses	HUY	CS-134	BQ/KG	4	6,28	7,665	8,51	0	0	0,000	0	7,7
2020	Freshwater aquatic mosses	HUY	CS-137	BQ/KG	4	6,59	8,230	9,06	0	0	0,000	0	8,2
2020	Freshwater aquatic mosses	HUY	H-3	BQ/KG	0	0	0,000	0	4	20,1	43,525	57,6	43,5
2020	Freshwater aquatic mosses	HUY	I-131	BQ/KG	4	135	241,250	285	0	0	0,000	0	241,3
2020	Freshwater aquatic mosses	HUY	K-40	BQ/KG	0	0	0,000	0	4	330	592,000	837	592,0
2020	Freshwater aquatic mosses	HUY	MN-54	BQ/KG	4	7,73	7,988	8,29	0	0	0,000	0	8,0
2020	Freshwater aquatic mosses	HUY	NB-95	BQ/KG	4	16,4	17,075	18,3	0	0	0,000	0	17,1
2020	Freshwater aquatic mosses	HUY	RA-226	BQ/KG	2	14,5	16,100	17,7	2	20,5	20,700	20,9	18,4
2020	Freshwater aquatic mosses	HUY	RA-228	BQ/KG	4	31,4	34,475	37,4	0	0	0,000	0	34,5
2020	Freshwater aquatic mosses	HUY	TH-228	BQ/KG	3	8,02	11,207	13,3	1	15,9	15,900	15,9	12,4
2020	Freshwater aquatic mosses	HUY	ZN-65	BQ/KG	4	17,3	20,250	22,4	0	0	0,000	0	20,3
2020	Freshwater aquatic mosses	VISÉ (LIXHE)	AG-110M	BQ/KG	4	5,71	7,880	9,69	0	0	0,000	0	7,9

2020	Freshwater aquatic mosses	VISÉ (LIXHE)	BE-7	BQ/KG	1	89,4	89,400	89,4	3	112	216,333	394	184,6
2020	Freshwater aquatic mosses	VISÉ (LIXHE)	CO-57	BQ/KG	4	2,63	3,573	4,55	0	0	0,000	0	3,6
2020	Freshwater aquatic mosses	VISÉ (LIXHE)	CO-58	BQ/KG	4	5,94	8,343	10,4	0	0	0,000	0	8,3
2020	Freshwater aquatic mosses	VISÉ (LIXHE)	CO-60	BQ/KG	4	5,32	6,573	8,2	0	0	0,000	0	6,6
2020	Freshwater aquatic mosses	VISÉ (LIXHE)	CS-134	BQ/KG	4	4,49	5,980	7,22	0	0	0,000	0	6,0
2020	Freshwater aquatic mosses	VISÉ (LIXHE)	CS-137	BQ/KG	4	4,64	5,593	8	0	0	0,000	0	5,6
2020	Freshwater aquatic mosses	VISÉ (LIXHE)	H-3	BQ/KG	0	0	0,000	0	4	21,8	34,650	51,3	34,7
2020	Freshwater aquatic mosses	VISÉ (LIXHE)	I-131	BQ/KG	4	91,6	207,150	297	0	0	0,000	0	207,2
2020	Freshwater aquatic mosses	VISÉ (LIXHE)	K-40	BQ/KG	1	151	151,000	151	3	261	295,333	338	259,3
2020	Freshwater aquatic mosses	VISÉ (LIXHE)	MN-54	BQ/KG	4	4,52	6,098	7,49	0	0	0,000	0	6,1
2020	Freshwater aquatic mosses	VISÉ (LIXHE)	NB-95	BQ/KG	4	8,71	12,853	16,8	0	0	0,000	0	12,9
2020	Freshwater aquatic mosses	VISÉ (LIXHE)	RA-226	BQ/KG	1	17,3	17,300	17,3	3	18,8	23,467	27,4	21,9
2020	Freshwater aquatic mosses	VISÉ (LIXHE)	RA-228	BQ/KG	4	16	25,275	31,6	0	0	0,000	0	25,3
2020	Freshwater aquatic mosses	VISÉ (LIXHE)	TH-228	BQ/KG	4	8,28	11,025	14,3	0	0	0,000	0	11,0
2020	Freshwater aquatic mosses	VISÉ (LIXHE)	ZN-65	BQ/KG	4	11,8	15,650	19,5	0	0	0,000	0	15,7

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	Freshwater aquatic plants	AMPSIN-FLÉMALLE	AG-110M	BQ/KG	4	2,55	3,943	4,85	0	0	0,000	0	3,9
2020	Freshwater aquatic plants	AMPSIN-FLÉMALLE	BE-7	BQ/KG	0	0	0,000	0	4	66,1	77,200	92,1	77,2
2020	Freshwater aquatic plants	AMPSIN-FLÉMALLE	CO-57	BQ/KG	4	1,31	1,870	2,42	0	0	0,000	0	1,9
2020	Freshwater aquatic plants	AMPSIN-FLÉMALLE	CO-58	BQ/KG	4	2,58	4,310	5,62	0	0	0,000	0	4,3
2020	Freshwater aquatic plants	AMPSIN-FLÉMALLE	CO-60	BQ/KG	4	2,08	3,400	4,77	0	0	0,000	0	3,4
2020	Freshwater aquatic plants	AMPSIN-FLÉMALLE	CS-134	BQ/KG	4	2,09	3,135	3,86	0	0	0,000	0	3,1
2020	Freshwater aquatic plants	AMPSIN-FLÉMALLE	CS-137	BQ/KG	2	3,52	3,750	3,98	2	2	3,210	4,42	3,5
2020	Freshwater aquatic plants	AMPSIN-FLÉMALLE	H-3	BQ/KG	0	0	0,000	0	4	26,8	49,325	74,7	49,3
2020	Freshwater aquatic plants	AMPSIN-FLÉMALLE	I-131	BQ/KG	4	33,3	103,125	166	0	0	0,000	0	103,1
2020	Freshwater aquatic plants	AMPSIN-FLÉMALLE	K-40	BQ/KG	1	102	102,000	102	3	378	396,667	411	323,0
2020	Freshwater aquatic plants	AMPSIN-FLÉMALLE	MN-54	BQ/KG	4	2,1	3,305	4,38	0	0	0,000	0	3,3
2020	Freshwater aquatic plants	AMPSIN-FLÉMALLE	NB-95	BQ/KG	4	3,81	6,608	8,61	0	0	0,000	0	6,6
2020	Freshwater aquatic plants	AMPSIN-FLÉMALLE	RA-226	BQ/KG	2	5,12	6,815	8,51	2	3,07	4,380	5,69	5,6
2020	Freshwater aquatic plants	AMPSIN-FLÉMALLE	RA-228	BQ/KG	4	8,55	13,713	17,6	0	0	0,000	0	13,7
2020	Freshwater aquatic plants	AMPSIN-FLÉMALLE	TH-228	BQ/KG	4	3,89	5,850	7,55	0	0	0,000	0	5,9
2020	Freshwater aquatic plants	AMPSIN-FLÉMALLE	ZN-65	BQ/KG	4	5,28	8,048	10,3	0	0	0,000	0	8,0
2020	Freshwater aquatic plants	ANDENNE (GIVES)	AG-110M	BQ/KG	3	2,05	2,377	2,94	0	0	0,000	0	2,4
2020	Freshwater aquatic plants	ANDENNE (GIVES)	BE-7	BQ/KG	0	0	0,000	0	3	43,8	72,933	99,3	72,9
2020	Freshwater aquatic plants	ANDENNE (GIVES)	CO-57	BQ/KG	3	0,891	1,130	1,48	0	0	0,000	0	1,1
2020	Freshwater aquatic plants	ANDENNE (GIVES)	CO-58	BQ/KG	3	2,5	2,747	3,18	0	0	0,000	0	2,7
2020	Freshwater aquatic plants	ANDENNE (GIVES)	CO-60	BQ/KG	3	2,03	2,267	2,49	0	0	0,000	0	2,3
2020	Freshwater aquatic plants	ANDENNE (GIVES)	CS-134	BQ/KG	3	1,77	1,963	2,34	0	0	0,000	0	2,0
2020	Freshwater aquatic plants	ANDENNE (GIVES)	CS-137	BQ/KG	2	1,83	2,205	2,58	1	2,03	2,030	2,03	2,1
2020	Freshwater aquatic plants	ANDENNE (GIVES)	H-3	BQ/KG	0	0	0,000	0	3	55,2	56,233	58	56,2
2020	Freshwater aquatic plants	ANDENNE (GIVES)	I-131	BQ/KG	3	56,3	63,967	70,1	0	0	0,000	0	64,0
2020	Freshwater aquatic plants	ANDENNE (GIVES)	K-40	BQ/KG	0	0	0,000	0	3	227	320,000	463	320,0
2020	Freshwater aquatic plants	ANDENNE (GIVES)	MN-54	BQ/KG	3	1,98	2,143	2,34	0	0	0,000	0	2,1
2020	Freshwater aquatic plants	ANDENNE (GIVES)	NB-95	BQ/KG	3	3,92	4,400	4,88	0	0	0,000	0	4,4
2020	Freshwater aquatic plants	ANDENNE (GIVES)	RA-226	BQ/KG	2	3,03	3,600	4,17	1	3,92	3,920	3,92	3,7
2020	Freshwater aquatic plants	ANDENNE (GIVES)	RA-228	BQ/KG	3	7,12	8,257	9,6	0	0	0,000	0	8,3
2020	Freshwater aquatic plants	ANDENNE (GIVES)	TH-228	BQ/KG	2	2,83	3,615	4,4	1	2,84	2,840	2,84	3,4
2020	Freshwater aquatic plants	ANDENNE (GIVES)	ZN-65	BQ/KG	3	4,6	5,050	5,89	0	0	0,000	0	5,1
2020	Freshwater aquatic plants	HUY	AG-110M	BQ/KG	4	1,97	3,040	4,35	0	0	0,000	0	3,0
2020	Freshwater aquatic plants	HUY	BE-7	BQ/KG	0	0	0,000	0	4	93,7	157,000	233	157,0
2020	Freshwater aquatic plants	HUY	CO-57	BQ/KG	4	0,925	1,456	2,12	0	0	0,000	0	1,5
2020	Freshwater aquatic plants	HUY	CO-58	BQ/KG	4	2,43	3,235	4,13	0	0	0,000	0	3,2

2020	Freshwater aquatic plants	HUY	CO-60	BQ/KG	4	2,09	2,728	3,62	0	0	0,000	0	2,7
2020	Freshwater aquatic plants	HUY	CS-134	BQ/KG	4	1,67	2,495	3,48	0	0	0,000	0	2,5
2020	Freshwater aquatic plants	HUY	CS-137	BQ/KG	3	1,85	2,183	2,69	1	1,95	1,950	1,95	2,1
2020	Freshwater aquatic plants	HUY	H-3	BQ/KG	1	18,4	18,400	18,4	3	45	49,700	58,9	41,9
2020	Freshwater aquatic plants	HUY	I-131	BQ/KG	4	57,9	66,750	80,4	0	0	0,000	0	66,8
2020	Freshwater aquatic plants	HUY	K-40	BQ/KG	0	0	0,000	0	4	279	390,000	499	390,0
2020	Freshwater aquatic plants	HUY	MN-54	BQ/KG	4	1,95	2,585	3,36	0	0	0,000	0	2,6
2020	Freshwater aquatic plants	HUY	NB-95	BQ/KG	4	4,17	5,200	6,8	0	0	0,000	0	5,2
2020	Freshwater aquatic plants	HUY	RA-226	BQ/KG	3	2,94	4,060	4,82	1	5,49	5,490	5,49	4,4
2020	Freshwater aquatic plants	HUY	RA-228	BQ/KG	4	7,56	10,740	14,9	0	0	0,000	0	10,7
2020	Freshwater aquatic plants	HUY	TH-228	BQ/KG	4	2,5	4,300	6,56	0	0	0,000	0	4,3
2020	Freshwater aquatic plants	HUY	ZN-65	BQ/KG	4	4,74	6,568	8,81	0	0	0,000	0	6,6
2020	Freshwater aquatic plants	LIVES-SUR-MEUSE	AG-110M	BQ/KG	1	4,25	4,250	4,25	0	0	0,000	0	4,3
2020	Freshwater aquatic plants	LIVES-SUR-MEUSE	BE-7	BQ/KG	0	0	0,000	0	1	181	181,000	181	181,0
2020	Freshwater aquatic plants	LIVES-SUR-MEUSE	CO-57	BQ/KG	1	2,07	2,070	2,07	0	0	0,000	0	2,1
2020	Freshwater aquatic plants	LIVES-SUR-MEUSE	CO-58	BQ/KG	1	4,24	4,240	4,24	0	0	0,000	0	4,2
2020	Freshwater aquatic plants	LIVES-SUR-MEUSE	CO-60	BQ/KG	1	3,24	3,240	3,24	0	0	0,000	0	3,2
2020	Freshwater aquatic plants	LIVES-SUR-MEUSE	CS-134	BQ/KG	1	3,43	3,430	3,43	0	0	0,000	0	3,4
2020	Freshwater aquatic plants	LIVES-SUR-MEUSE	CS-137	BQ/KG	1	2,58	2,580	2,58	0	0	0,000	0	2,6
2020	Freshwater aquatic plants	LIVES-SUR-MEUSE	H-3	BQ/KG	0	0	0,000	0	1	31,7	31,700	31,7	31,7
2020	Freshwater aquatic plants	LIVES-SUR-MEUSE	I-131	BQ/KG	1	56,3	56,300	56,3	0	0	0,000	0	56,3
2020	Freshwater aquatic plants	LIVES-SUR-MEUSE	K-40	BQ/KG	0	0	0,000	0	1	236	236,000	236	236,0
2020	Freshwater aquatic plants	LIVES-SUR-MEUSE	MN-54	BQ/KG	1	3,42	3,420	3,42	0	0	0,000	0	3,4
2020	Freshwater aquatic plants	LIVES-SUR-MEUSE	NB-95	BQ/KG	1	6,16	6,160	6,16	0	0	0,000	0	6,2
2020	Freshwater aquatic plants	LIVES-SUR-MEUSE	RA-226	BQ/KG	0	0	0,000	0	1	9,98	9,980	9,98	10,0
2020	Freshwater aquatic plants	LIVES-SUR-MEUSE	RA-228	BQ/KG	1	14,1	14,100	14,1	0	0	0,000	0	14,1
2020	Freshwater aquatic plants	LIVES-SUR-MEUSE	TH-228	BQ/KG	1	6,23	6,230	6,23	0	0	0,000	0	6,2
2020	Freshwater aquatic plants	LIVES-SUR-MEUSE	ZN-65	BQ/KG	1	8,46	8,460	8,46	0	0	0,000	0	8,5
2020	Freshwater aquatic plants	VISÉ	AG-110M	BQ/KG	4	2,26	3,375	5,72	0	0	0,000	0	3,4
2020	Freshwater aquatic plants	VISÉ (LIXHE)	BE-7	BQ/KG	0	0	0,000	0	4	76,7	169,675	306	169,7
2020	Freshwater aquatic plants	VISÉ (LIXHE)	CO-57	BQ/KG	4	1,08	1,590	2,6	0	0	0,000	0	1,6
2020	Freshwater aquatic plants	VISÉ (LIXHE)	CO-58	BQ/KG	4	3,09	3,800	5,83	0	0	0,000	0	3,8
2020	Freshwater aquatic plants	VISÉ (LIXHE)	CO-60	BQ/KG	4	2,58	3,228	4,73	0	0	0,000	0	3,2
2020	Freshwater aquatic plants	VISÉ (LIXHE)	CS-134	BQ/KG	4	1,98	2,673	4,38	0	0	0,000	0	2,7
2020	Freshwater aquatic plants	VISÉ (LIXHE)	CS-137	BQ/KG	4	1,67	2,828	4,96	0	0	0,000	0	2,8
2020	Freshwater aquatic plants	VISÉ (LIXHE)	H-3	BQ/KG	0	0	0,000	0	4	27,4	46,525	66,8	46,5
2020	Freshwater aquatic plants	VISÉ (LIXHE)	I-131	BQ/KG	4	42,3	85,725	138	0	0	0,000	0	85,7
2020	Freshwater aquatic plants	VISÉ (LIXHE)	K-40	BQ/KG	0	0	0,000	0	4	554	664,500	775	664,5
2020	Freshwater aquatic plants	VISÉ (LIXHE)	MN-54	BQ/KG	4	2,32	2,790	3,98	0	0	0,000	0	2,8
2020	Freshwater aquatic plants	VISÉ (LIXHE)	NB-95	BQ/KG	4	4,64	5,958	9,32	0	0	0,000	0	6,0
2020	Freshwater aquatic plants	VISÉ (LIXHE)	RA-226	BQ/KG	3	3,83	5,827	9,39	1	5,04	5,040	5,04	5,6
2020	Freshwater aquatic plants	VISÉ (LIXHE)	RA-228	BQ/KG	4	9,14	11,670	17,8	0	0	0,000	0	11,7
2020	Freshwater aquatic plants	VISÉ (LIXHE)	TH-228	BQ/KG	4	2,97	4,610	7,88	0	0	0,000	0	4,6
2020	Freshwater aquatic plants	VISÉ (LIXHE)	ZN-65	BQ/KG	4	5,37	7,058	10,9	0	0	0,000	0	7,1

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	Freshwater mussels	AMPSIN-FLÉMALLE	AG-110M	BQ/KG	1	7,05	7,050	7,05	0	0	0,000	0	7,1
2020	Freshwater mussels	AMPSIN-FLÉMALLE	BE-7	BQ/KG	1	71,8	71,800	71,8	0	0	0,000	0	71,8
2020	Freshwater mussels	AMPSIN-FLÉMALLE	CO-57	BQ/KG	1	2,61	2,610	2,61	0	0	0,000	0	2,6
2020	Freshwater mussels	AMPSIN-FLÉMALLE	CO-58	BQ/KG	1	8,51	8,510	8,51	0	0	0,000	0	8,5
2020	Freshwater mussels	AMPSIN-FLÉMALLE	CO-60	BQ/KG	1	6,51	6,510	6,51	0	0	0,000	0	6,5
2020	Freshwater mussels	AMPSIN-FLÉMALLE	CS-134	BQ/KG	1	5,65	5,650	5,65	0	0	0,000	0	5,7
2020	Freshwater mussels	AMPSIN-FLÉMALLE	CS-137	BQ/KG	1	5,37	5,370	5,37	0	0	0,000	0	5,4

2020	Freshwater mussels	AMPSIN-FLÉMALLE	H-3	BQ/KG	0	0	0,000	0	1	64,8	64,800	64,8	64,8
2020	Freshwater mussels	AMPSIN-FLÉMALLE	I-131	BQ/KG	1	708	708,000	708	0	0	0,000	0	708,0
2020	Freshwater mussels	AMPSIN-FLÉMALLE	K-40	BQ/KG	0	0	0,000	0	1	132	132,000	132	132,0
2020	Freshwater mussels	AMPSIN-FLÉMALLE	MN-54	BQ/KG	1	6,18	6,180	6,18	0	0	0,000	0	6,2
2020	Freshwater mussels	AMPSIN-FLÉMALLE	NB-95	BQ/KG	1	16,1	16,100	16,1	0	0	0,000	0	16,1
2020	Freshwater mussels	AMPSIN-FLÉMALLE	RA-226	BQ/KG	1	9,23	9,230	9,23	0	0	0,000	0	9,2
2020	Freshwater mussels	AMPSIN-FLÉMALLE	RA-228	BQ/KG	1	22,7	22,700	22,7	0	0	0,000	0	22,7
2020	Freshwater mussels	AMPSIN-FLÉMALLE	TH-228	BQ/KG	1	8,75	8,750	8,75	0	0	0,000	0	8,8
2020	Freshwater mussels	AMPSIN-FLÉMALLE	ZN-65	BQ/KG	1	14,4	14,400	14,4	0	0	0,000	0	14,4
2020	Freshwater mussels	ANDENNE (GIVES)	AG-110M	BQ/KG	4	6,27	8,750	10,4	0	0	0,000	0	8,8
2020	Freshwater mussels	ANDENNE (GIVES)	BE-7	BQ/KG	4	71,2	110,050	129	0	0	0,000	0	110,1
2020	Freshwater mussels	ANDENNE (GIVES)	CO-57	BQ/KG	4	2,2	3,595	5,19	0	0	0,000	0	3,6
2020	Freshwater mussels	ANDENNE (GIVES)	CO-58	BQ/KG	4	7,45	11,413	13,1	0	0	0,000	0	11,4
2020	Freshwater mussels	ANDENNE (GIVES)	CO-60	BQ/KG	4	5,5	7,773	9,32	0	0	0,000	0	7,8
2020	Freshwater mussels	ANDENNE (GIVES)	CS-134	BQ/KG	4	4,99	7,018	8,55	0	0	0,000	0	7,0
2020	Freshwater mussels	ANDENNE (GIVES)	CS-137	BQ/KG	4	4,7	6,930	8,51	0	0	0,000	0	6,9
2020	Freshwater mussels	ANDENNE (GIVES)	H-3	BQ/KG	0	0	0,000	0	4	26,9	42,750	61,4	42,8
2020	Freshwater mussels	ANDENNE (GIVES)	I-131	BQ/KG	4	545	2595,750	8340	0	0	0,000	0	2595,8
2020	Freshwater mussels	ANDENNE (GIVES)	K-40	BQ/KG	2	116	138,000	160	2	75,8	142,400	209	140,2
2020	Freshwater mussels	ANDENNE (GIVES)	MN-54	BQ/KG	4	5,26	7,608	9,02	0	0	0,000	0	7,6
2020	Freshwater mussels	ANDENNE (GIVES)	NB-95	BQ/KG	4	14,6	23,000	31,6	0	0	0,000	0	23,0
2020	Freshwater mussels	ANDENNE (GIVES)	RA-226	BQ/KG	4	10,2	12,500	16,5	0	0	0,000	0	12,5
2020	Freshwater mussels	ANDENNE (GIVES)	RA-228	BQ/KG	4	21,5	30,675	36,4	0	0	0,000	0	30,7
2020	Freshwater mussels	ANDENNE (GIVES)	TH-228	BQ/KG	4	6,41	10,485	16,1	0	0	0,000	0	10,5
2020	Freshwater mussels	ANDENNE (GIVES)	ZN-65	BQ/KG	4	11,7	18,275	21,6	0	0	0,000	0	18,3
2020	Freshwater mussels	HUY	AG-110M	BQ/KG	1	10,5	10,500	10,5	0	0	0,000	0	10,5
2020	Freshwater mussels	HUY	BE-7	BQ/KG	1	118	118,000	118	0	0	0,000	0	118,0
2020	Freshwater mussels	HUY	CO-57	BQ/KG	1	4,76	4,760	4,76	0	0	0,000	0	4,8
2020	Freshwater mussels	HUY	CO-58	BQ/KG	1	11,3	11,300	11,3	0	0	0,000	0	11,3
2020	Freshwater mussels	HUY	CO-60	BQ/KG	1	9,04	9,040	9,04	0	0	0,000	0	9,0
2020	Freshwater mussels	HUY	CS-134	BQ/KG	1	8,3	8,300	8,3	0	0	0,000	0	8,3
2020	Freshwater mussels	HUY	CS-137	BQ/KG	1	5,37	5,370	5,37	0	0	0,000	0	5,4
2020	Freshwater mussels	HUY	H-3	BQ/KG	0	0	0,000	0	1	34,8	34,800	34,8	34,8
2020	Freshwater mussels	HUY	I-131	BQ/KG	1	840	840,000	840	0	0	0,000	0	840,0
2020	Freshwater mussels	HUY	K-40	BQ/KG	0	0	0,000	0	1	157	157,000	157	157,0
2020	Freshwater mussels	HUY	MN-54	BQ/KG	1	8,38	8,380	8,38	0	0	0,000	0	8,4
2020	Freshwater mussels	HUY	NB-95	BQ/KG	1	21,6	21,600	21,6	0	0	0,000	0	21,6
2020	Freshwater mussels	HUY	RA-226	BQ/KG	1	14,7	14,700	14,7	0	0	0,000	0	14,7
2020	Freshwater mussels	HUY	RA-228	BQ/KG	1	34,3	34,300	34,3	0	0	0,000	0	34,3
2020	Freshwater mussels	HUY	TH-228	BQ/KG	1	14,6	14,600	14,6	0	0	0,000	0	14,6
2020	Freshwater mussels	HUY	ZN-65	BQ/KG	1	21,2	21,200	21,2	0	0	0,000	0	21,2
2020	Freshwater mussels	LIVES-SUR-MEUSE	AG-110M	BQ/KG	1	11	11,000	11	0	0	0,000	0	11,0
2020	Freshwater mussels	LIVES-SUR-MEUSE	BE-7	BQ/KG	1	125	125,000	125	0	0	0,000	0	125,0
2020	Freshwater mussels	LIVES-SUR-MEUSE	CO-57	BQ/KG	1	5,11	5,110	5,11	0	0	0,000	0	5,1
2020	Freshwater mussels	LIVES-SUR-MEUSE	CO-58	BQ/KG	1	13,5	13,500	13,5	0	0	0,000	0	13,5
2020	Freshwater mussels	LIVES-SUR-MEUSE	CO-60	BQ/KG	1	8,37	8,370	8,37	0	0	0,000	0	8,4
2020	Freshwater mussels	LIVES-SUR-MEUSE	CS-134	BQ/KG	1	8,32	8,320	8,32	0	0	0,000	0	8,3
2020	Freshwater mussels	LIVES-SUR-MEUSE	CS-137	BQ/KG	1	8,75	8,750	8,75	0	0	0,000	0	8,8
2020	Freshwater mussels	LIVES-SUR-MEUSE	H-3	BQ/KG	0	0	0,000	0	1	30	30,000	30	30,0
2020	Freshwater mussels	LIVES-SUR-MEUSE	I-131	BQ/KG	1	997	997,000	997	0	0	0,000	0	997,0
2020	Freshwater mussels	LIVES-SUR-MEUSE	K-40	BQ/KG	1	144	144,000	144	0	0	0,000	0	144,0
2020	Freshwater mussels	LIVES-SUR-MEUSE	MN-54	BQ/KG	1	8,95	8,950	8,95	0	0	0,000	0	9,0
2020	Freshwater mussels	LIVES-SUR-MEUSE	NB-95	BQ/KG	1	24,5	24,500	24,5	0	0	0,000	0	24,5
2020	Freshwater mussels	LIVES-SUR-MEUSE	RA-226	BQ/KG	1	16,8	16,800	16,8	0	0	0,000	0	16,8

2020	Freshwater mussels	LIVES-SUR-MEUSE	RA-228	BQ/KG	1	30,4	30,400	30,4	0	0	0,000	0	30,4
2020	Freshwater mussels	LIVES-SUR-MEUSE	TH-228	BQ/KG	1	15,8	15,800	15,8	0	0	0,000	0	15,8
2020	Freshwater mussels	LIVES-SUR-MEUSE	ZN-65	BQ/KG	1	21,9	21,900	21,9	0	0	0,000	0	21,9
2020	Freshwater mussels	VISÉ (LIXHE)	AG-110M	BQ/KG	5	7,55	9,354	11,4	0	0	0,000	0	9,4
2020	Freshwater mussels	VISÉ (LIXHE)	BE-7	BQ/KG	5	76,1	107,100	148	0	0	0,000	0	107,1
2020	Freshwater mussels	VISÉ (LIXHE)	CO-57	BQ/KG	5	2,82	4,000	5,13	0	0	0,000	0	4,0
2020	Freshwater mussels	VISÉ (LIXHE)	CO-58	BQ/KG	5	8,46	11,094	14,9	0	0	0,000	0	11,1
2020	Freshwater mussels	VISÉ (LIXHE)	CO-60	BQ/KG	5	6,32	8,028	9,13	0	0	0,000	0	8,0
2020	Freshwater mussels	VISÉ (LIXHE)	CS-134	BQ/KG	5	6,06	7,324	8,98	0	0	0,000	0	7,3
2020	Freshwater mussels	VISÉ (LIXHE)	CS-137	BQ/KG	5	6,13	7,464	9,2	0	0	0,000	0	7,5
2020	Freshwater mussels	VISÉ (LIXHE)	H-3	BQ/KG	0	0	0,000	0	5	22,9	45,660	68,1	45,7
2020	Freshwater mussels	VISÉ (LIXHE)	I-131	BQ/KG	5	361	2000,000	7840	0	0	0,000	0	2000,0
2020	Freshwater mussels	VISÉ (LIXHE)	K-40	BQ/KG	4	105	122,000	138	1	163	163,000	163	130,2
2020	Freshwater mussels	VISÉ (LIXHE)	MN-54	BQ/KG	5	6,07	7,560	8,6	0	0	0,000	0	7,6
2020	Freshwater mussels	VISÉ (LIXHE)	NB-95	BQ/KG	5	14,9	22,480	37,9	0	0	0,000	0	22,5
2020	Freshwater mussels	VISÉ (LIXHE)	RA-226	BQ/KG	5	11,7	13,840	17,7	0	0	0,000	0	13,8
2020	Freshwater mussels	VISÉ (LIXHE)	RA-228	BQ/KG	5	26,9	30,860	36	0	0	0,000	0	30,9
2020	Freshwater mussels	VISÉ (LIXHE)	TH-228	BQ/KG	5	8,02	11,884	15,8	0	0	0,000	0	11,9
2020	Freshwater mussels	VISÉ (LIXHE)	ZN-65	BQ/KG	5	15,7	18,660	23,3	0	0	0,000	0	18,7

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	Outdoor air	LIXHE	BE-7	BQ/M ³	0	0	0,00000	0	13	0,0013	0,00395	0,00986	0,00395
2020	Outdoor air	LIXHE	CE-141	BQ/M ³	13	0,0000238	0,00006	0,000138	0	0	0,00000	0	0,00006
2020	Outdoor air	LIXHE	CE-144	BQ/M ³	13	0,0000542	0,00008	0,000127	0	0	0,00000	0	0,00008
2020	Outdoor air	LIXHE	CS-134	BQ/M ³	13	0,0000175	0,00002	0,0000404	0	0	0,00000	0	0,00002
2020	Outdoor air	LIXHE	CS-137	BQ/M ³	13	0,0000149	0,00002	0,0000342	0	0	0,00000	0	0,00002
2020	Outdoor air	LIXHE	I-131	BQ/M ³	13	0,0000534	0,00318	0,0167	0	0	0,00000	0	0,00318
2020	Outdoor air	LIXHE	K-40	BQ/M ³	0	0	0,00000	0	13	0,000767	0,00110	0,00158	0,00110
2020	Outdoor air	LIXHE	NB-95	BQ/M ³	13	0,0000285	0,00006	0,000136	0	0	0,00000	0	0,00006
2020	Outdoor air	LIXHE	RU-103	BQ/M ³	13	0,0000224	0,00004	0,000103	0	0	0,00000	0	0,00004
2020	Outdoor air	LIXHE	RU-106	BQ/M ³	13	0,000141	0,00020	0,00035	0	0	0,00000	0	0,00020
2020	Outdoor air	LIXHE	T-BETA	BQ/M ³	13	0,0000862	0,00010	0,000136	160	0,000117	0,00061	0,00358	0,00057
2020	Outdoor air	LIXHE	ZR-95	BQ/M ³	13	0,0000414	0,00006	0,000118	0	0	0,00000	0	0,00006
2020	Outdoor air	TIHANGE	BE-7	BQ/M ³	0	0	0,00000	0	13	0,00168	0,00408	0,00686	0,00408
2020	Outdoor air	TIHANGE	CE-141	BQ/M ³	13	0,0000195	0,00005	0,0000852	0	0	0,00000	0	0,00005
2020	Outdoor air	TIHANGE	CE-144	BQ/M ³	13	0,0000577	0,00006	0,0000782	0	0	0,00000	0	0,00006
2020	Outdoor air	TIHANGE	CS-134	BQ/M ³	13	0,000019	0,00002	0,0000238	0	0	0,00000	0	0,00002
2020	Outdoor air	TIHANGE	CS-137	BQ/M ³	13	0,0000164	0,00002	0,00002	0	0	0,00000	0	0,00002
2020	Outdoor air	TIHANGE	I-131	BQ/M ³	13	0,0000456	0,00297	0,0109	0	0	0,00000	0	0,00297
2020	Outdoor air	TIHANGE	K-40	BQ/M ³	0	0	0,00000	0	13	0,000766	0,00094	0,00117	0,00094
2020	Outdoor air	TIHANGE	NB-95	BQ/M ³	13	0,0000216	0,00005	0,000085	0	0	0,00000	0	0,00005
2020	Outdoor air	TIHANGE	RU-103	BQ/M ³	13	0,0000182	0,00004	0,0000618	0	0	0,00000	0	0,00004
2020	Outdoor air	TIHANGE	RU-106	BQ/M ³	13	0,000151	0,00017	0,000197	0	0	0,00000	0	0,00017
2020	Outdoor air	TIHANGE	T-BETA	BQ/M ³	36	0,000149	0,00026	0,00228	325	0,000178	0,00061	0,00283	0,00058
2020	Outdoor air	TIHANGE	ZR-95	BQ/M ³	13	0,0000325	0,00005	0,0000751	0	0	0,00000	0	0,00005

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	River sediments	AMPSIN	AG-110M	BQ/KG	6	2,02	11,157	52,8	7	20	38,229	86	25,73
2020	River sediments	AMPSIN	BE-7	BQ/KG	1	482	482,000	482	12	118	256,333	433	273,69
2020	River sediments	AMPSIN	CO-57	BQ/KG	13	0,868	3,151	15,8	0	0	0,000	0	3,15
2020	River sediments	AMPSIN	CO-58	BQ/KG	6	1,99	12,148	57,2	7	9,15	34,407	112	24,13
2020	River sediments	AMPSIN	CO-60	BQ/KG	2	1,3	1,345	1,39	11	1,49	109,984	422	93,27

2020	River sediments	AMPSIN	CS-134	BQ/KG	13	1,38	6,459	39,2	0	0	0,000	0	6,46
2020	River sediments	AMPSIN	CS-137	BQ/KG	1	39,5	39,500	39,5	12	3,53	11,800	31,8	13,93
2020	River sediments	AMPSIN	I-131	BQ/KG	13	93,2	697,785	2910	0	0	0,000	0	697,78
2020	River sediments	AMPSIN	K-40	BQ/KG	5	85,6	205,920	663	8	129	421,625	843	338,66
2020	River sediments	AMPSIN	MN-54	BQ/KG	10	1,48	6,720	40,3	3	4,09	10,063	15,7	7,49
2020	River sediments	AMPSIN	NB-95	BQ/KG	13	4,23	17,859	82,6	0	0	0,000	0	17,86
2020	River sediments	AMPSIN	RA-226	BQ/KG	3	10,2	27,000	58,7	10	9,68	45,606	92,2	41,31
2020	River sediments	AMPSIN	RA-228	BQ/KG	2	21,7	94,350	167	11	20	37,982	63,9	46,65
2020	River sediments	AMPSIN	TH-228	BQ/KG	1	53,4	53,400	53,4	12	25	40,625	67,5	41,61
2020	River sediments	AMPSIN	U-238EQ	BQ/KG	4	50,5	108,975	262	9	42,9	66,122	91,7	79,31
2020	River sediments	AMPSIN	ZN-65	BQ/KG	13	3,83	16,678	92,5	0	0	0,000	0	16,68
2020	River sediments	ANDENNE (GIVES)	AG-110M	BQ/KG	13	1,85	4,347	6,95	0	0	0,000	0	4,35
2020	River sediments	ANDENNE (GIVES)	BE-7	BQ/KG	0	0	0,000	0	13	113	183,462	341	183,46
2020	River sediments	ANDENNE (GIVES)	CO-57	BQ/KG	13	0,89	1,943	2,84	0	0	0,000	0	1,94
2020	River sediments	ANDENNE (GIVES)	CO-58	BQ/KG	13	1,99	4,768	7,52	0	0	0,000	0	4,77
2020	River sediments	ANDENNE (GIVES)	CO-60	BQ/KG	13	1,32	3,200	4,64	0	0	0,000	0	3,20
2020	River sediments	ANDENNE (GIVES)	CS-134	BQ/KG	13	1,34	3,145	4,77	0	0	0,000	0	3,15
2020	River sediments	ANDENNE (GIVES)	CS-137	BQ/KG	0	0	0,000	0	13	2,97	5,835	8,96	5,84
2020	River sediments	ANDENNE (GIVES)	I-131	BQ/KG	13	107	611,923	3230	0	0	0,000	0	611,92
2020	River sediments	ANDENNE (GIVES)	K-40	BQ/KG	4	53,1	76,950	95,1	9	286	386,111	465	290,98
2020	River sediments	ANDENNE (GIVES)	MN-54	BQ/KG	13	1,45	3,195	4,42	0	0	0,000	0	3,20
2020	River sediments	ANDENNE (GIVES)	NB-95	BQ/KG	13	4,26	10,171	19,4	0	0	0,000	0	10,17
2020	River sediments	ANDENNE (GIVES)	RA-226	BQ/KG	2	9,91	10,305	10,7	11	18,1	46,400	65,4	40,85
2020	River sediments	ANDENNE (GIVES)	RA-228	BQ/KG	2	15,4	17,450	19,5	11	12,5	36,791	51,9	33,82
2020	River sediments	ANDENNE (GIVES)	TH-228	BQ/KG	0	0	0,000	0	13	16,5	37,338	48,3	37,34
2020	River sediments	ANDENNE (GIVES)	U-238EQ	BQ/KG	4	28,6	47,775	54,7	9	43,1	56,989	70,6	54,15
2020	River sediments	ANDENNE (GIVES)	ZN-65	BQ/KG	13	4,1	8,740	12,5	0	0	0,000	0	8,74
2020	River sediments	LIXHE	AG-110M	BQ/KG	13	3,05	9,106	21,4	0	0	0,000	0	9,11
2020	River sediments	LIXHE	BE-7	BQ/KG	2	277	288,000	299	11	148	310,091	578	306,69
2020	River sediments	LIXHE	CO-57	BQ/KG	13	1,48	3,844	9,33	0	0	0,000	0	3,84
2020	River sediments	LIXHE	CO-58	BQ/KG	13	3,74	10,468	28,7	0	0	0,000	0	10,47
2020	River sediments	LIXHE	CO-60	BQ/KG	10	2,27	7,645	17,7	3	8,96	12,320	16,5	8,72
2020	River sediments	LIXHE	CS-134	BQ/KG	13	2,53	6,578	16	0	0	0,000	0	6,58
2020	River sediments	LIXHE	CS-137	BQ/KG	5	4,61	10,696	16	8	5,05	7,630	9,43	8,81
2020	River sediments	LIXHE	I-131	BQ/KG	13	148	1500,769	10900	0	0	0,000	0	1500,77
2020	River sediments	LIXHE	K-40	BQ/KG	6	56,9	164,850	284	7	154	360,857	531	270,39
2020	River sediments	LIXHE	MN-54	BQ/KG	13	2,33	6,675	16,7	0	0	0,000	0	6,68
2020	River sediments	LIXHE	NB-95	BQ/KG	13	8,38	21,088	66	0	0	0,000	0	21,09
2020	River sediments	LIXHE	RA-226	BQ/KG	3	12,1	26,167	34,5	10	9,58	39,438	57,8	36,38
2020	River sediments	LIXHE	RA-228	BQ/KG	5	22,9	45,380	69	8	20,6	36,013	56	39,62
2020	River sediments	LIXHE	TH-228	BQ/KG	4	10,4	22,225	29,2	9	18,2	34,500	56,2	30,72
2020	River sediments	LIXHE	U-238EQ	BQ/KG	9	35,8	101,433	206	4	49,6	54,575	63,5	87,02
2020	River sediments	LIXHE	ZN-65	BQ/KG	13	6,82	17,155	41,8	0	0	0,000	0	17,15

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	River water	AMPSIN	BE-7	BQ/L	26	1,28	1,556	2,41	0	0	0,000	0	1,56
2020	River water	AMPSIN	CE-141	BQ/L	26	0,29	0,380	0,854	0	0	0,000	0	0,38
2020	River water	AMPSIN	CE-144	BQ/L	26	0,979	1,083	1,24	0	0	0,000	0	1,08
2020	River water	AMPSIN	CS-134	BQ/L	26	0,139	0,153	0,171	0	0	0,000	0	0,15
2020	River water	AMPSIN	CS-137	BQ/L	26	0,15	0,164	0,184	0	0	0,000	0	0,16
2020	River water	AMPSIN	H-3	BQ/L	3	2,69	3,043	3,64	23	4,9	28,437	73,3	25,51
2020	River water	AMPSIN	I-131	BQ/L	26	0,27	2,206	22,2	0	0	0,000	0	2,21
2020	River water	AMPSIN	K-40	BQ/L	0	0	0,000	0	26	0,0583	0,091	0,131	0,09

2020	River water	AMPSIN	NB-95	BQ/L	26	0,166	0,227	0,451	0	0	0,000	0	0,23
2020	River water	AMPSIN	R-BETA	BQ/L	24	0,0418	0,046	0,0526	2	0,059	0,070	0,081	0,05
2020	River water	AMPSIN	RU-103	BQ/L	26	0,149	0,205	0,38	0	0	0,000	0	0,21
2020	River water	AMPSIN	RU-106	BQ/L	26	1,26	1,437	1,61	0	0	0,000	0	1,44
2020	River water	AMPSIN	T-ALFA	BQ/L	19	0,0156	0,026	0,0343	7	0,0178	0,031	0,0395	0,03
2020	River water	AMPSIN	T-BETA	BQ/L	1	0,0486	0,049	0,0486	25	0,0516	0,110	0,168	0,11
2020	River water	AMPSIN	ZR-95	BQ/L	26	0,257	0,322	0,467	0	0	0,000	0	0,32
2020	River water	ANDENNE (GIVES)	BE-7	BQ/L	26	1,3	1,597	2,38	0	0	0,000	0	1,60
2020	River water	ANDENNE (GIVES)	CE-141	BQ/L	26	0,274	0,387	0,884	0	0	0,000	0	0,39
2020	River water	ANDENNE (GIVES)	CE-144	BQ/L	26	0,984	1,080	1,24	0	0	0,000	0	1,08
2020	River water	ANDENNE (GIVES)	CS-134	BQ/L	26	0,142	0,155	0,171	0	0	0,000	0	0,16
2020	River water	ANDENNE (GIVES)	CS-137	BQ/L	26	0,15	0,164	0,179	0	0	0,000	0	0,16
2020	River water	ANDENNE (GIVES)	H-3	BQ/L	6	2,69	3,153	3,82	20	3,01	13,543	27,1	11,15
2020	River water	ANDENNE (GIVES)	I-131	BQ/L	26	0,311	2,349	22,5	0	0	0,000	0	2,35
2020	River water	ANDENNE (GIVES)	K-40	BQ/L	0	0	0,000	0	26	0,0569	0,087	0,125	0,09
2020	River water	ANDENNE (GIVES)	NB-95	BQ/L	26	0,176	0,236	0,437	0	0	0,000	0	0,24
2020	River water	ANDENNE (GIVES)	R-BETA	BQ/L	22	0,0424	0,045	0,0489	4	0,043	0,065	0,106	0,05
2020	River water	ANDENNE (GIVES)	RU-103	BQ/L	26	0,164	0,211	0,382	0	0	0,000	0	0,21
2020	River water	ANDENNE (GIVES)	RU-106	BQ/L	26	1,29	1,442	1,71	0	0	0,000	0	1,44
2020	River water	ANDENNE (GIVES)	T-ALFA	BQ/L	20	0,0162	0,028	0,0446	6	0,0187	0,025	0,0414	0,03
2020	River water	ANDENNE (GIVES)	T-BETA	BQ/L	0	0	0,000	0	26	0,0501	0,109	0,167	0,11
2020	River water	ANDENNE (GIVES)	ZR-95	BQ/L	26	0,269	0,340	0,468	0	0	0,000	0	0,34
2020	River water	HUY	BE-7	BQ/L	26	1,28	1,592	2,48	0	0	0,000	0	1,59
2020	River water	HUY	CE-141	BQ/L	26	0,27	0,383	0,906	0	0	0,000	0	0,38
2020	River water	HUY	CE-144	BQ/L	26	0,975	1,077	1,28	0	0	0,000	0	1,08
2020	River water	HUY	CS-134	BQ/L	26	0,138	0,154	0,165	0	0	0,000	0	0,15
2020	River water	HUY	CS-137	BQ/L	26	0,152	0,165	0,179	0	0	0,000	0	0,16
2020	River water	HUY	H-3	BQ/L	4	2,8	3,273	3,82	22	2,87	15,088	41,6	13,27
2020	River water	HUY	I-131	BQ/L	26	0,3	2,246	22,7	0	0	0,000	0	2,25
2020	River water	HUY	K-40	BQ/L	0	0	0,000	0	26	0,0086	0,087	0,131	0,09
2020	River water	HUY	NB-95	BQ/L	26	0,17	0,233	0,456	0	0	0,000	0	0,23
2020	River water	HUY	R-BETA	BQ/L	22	0,0411	0,046	0,0497	4	0,0542	0,093	0,154	0,05
2020	River water	HUY	RU-103	BQ/L	26	0,158	0,207	0,378	0	0	0,000	0	0,21
2020	River water	HUY	RU-106	BQ/L	26	1,21	1,445	1,62	0	0	0,000	0	1,44
2020	River water	HUY	T-ALFA	BQ/L	22	0,0156	0,027	0,0352	4	0,0179	0,026	0,0369	0,03
2020	River water	HUY	T-BETA	BQ/L	0	0	0,000	0	26	0,0455	0,114	0,187	0,11
2020	River water	HUY	ZR-95	BQ/L	26	0,269	0,331	0,466	0	0	0,000	0	0,33
2020	River water	LIXHE	BE-7	BQ/L	26	0,0561	1,514	2,41	0	0	0,000	0	1,51
2020	River water	LIXHE	CE-141	BQ/L	26	0,00104	0,367	0,871	0	0	0,000	0	0,37
2020	River water	LIXHE	CE-144	BQ/L	26	0,696	1,067	1,25	0	0	0,000	0	1,07
2020	River water	LIXHE	CS-134	BQ/L	26	0,123	0,151	0,166	0	0	0,000	0	0,15
2020	River water	LIXHE	CS-137	BQ/L	26	0,147	0,162	0,18	0	0	0,000	0	0,16
2020	River water	LIXHE	H-3	BQ/L	2	2,8	3,220	3,64	24	3,02	21,443	58,2	20,04
2020	River water	LIXHE	I-131	BQ/L	26	0	2,083	21	0	0	0,000	0	2,08
2020	River water	LIXHE	K-40	BQ/L	0	0	0,000	0	26	0,0609	0,110	0,193	0,11
2020	River water	LIXHE	NB-95	BQ/L	26	0,000942	0,218	0,448	0	0	0,000	0	0,22
2020	River water	LIXHE	R-BETA	BQ/L	23	0,042	0,046	0,056	3	0,048	0,049	0,0501	0,05
2020	River water	LIXHE	RU-103	BQ/L	26	0,00176	0,196	0,37	0	0	0,000	0	0,20
2020	River water	LIXHE	RU-106	BQ/L	26	0,918	1,398	1,6	0	0	0,000	0	1,40
2020	River water	LIXHE	T-ALFA	BQ/L	20	0,0136	0,026	0,0388	6	0,0165	0,025	0,0361	0,03
2020	River water	LIXHE	T-BETA	BQ/L	1	0,0535	0,054	0,0535	25	0,0638	0,128	0,23	0,13
2020	River water	LIXHE	ZR-95	BQ/L	26	0,022	0,313	0,453	0	0	0,000	0	0,31

Year	Sample type	Locality	Nuclides	Unit	DL			Measurements				Global mean	
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean		Max
2020	Topsoil and grass	LIXHE	AG-110M	BQ/KG	1	1,38	1,380	1,38	0	0	0,000	0	1,38
2020	Topsoil and grass	LIXHE	BE-7	BQ/KG	1	16,4	16,400	16,4	0	0	0,000	0	16,40
2020	Topsoil and grass	LIXHE	CO-57	BQ/KG	1	0,698	0,698	0,698	0	0	0,000	0	0,70
2020	Topsoil and grass	LIXHE	CO-58	BQ/KG	1	1,72	1,720	1,72	0	0	0,000	0	1,72
2020	Topsoil and grass	LIXHE	CO-60	BQ/KG	1	1,19	1,190	1,19	0	0	0,000	0	1,19
2020	Topsoil and grass	LIXHE	CS-134	BQ/KG	1	1,02	1,020	1,02	0	0	0,000	0	1,02
2020	Topsoil and grass	LIXHE	CS-137	BQ/KG	0	0	0,000	0	1	2,57	2,570	2,57	2,57
2020	Topsoil and grass	LIXHE	I-131	BQ/KG	1	157	157,000	157	0	0	0,000	0	157,00
2020	Topsoil and grass	LIXHE	K-40	BQ/KG	0	0	0,000	0	1	349	349,000	349	349,00
2020	Topsoil and grass	LIXHE	MN-54	BQ/KG	1	1,22	1,220	1,22	0	0	0,000	0	1,22
2020	Topsoil and grass	LIXHE	RA-226	BQ/KG	0	0	0,000	0	1	27	27,000	27	27,00
2020	Topsoil and grass	LIXHE	RA-228	BQ/KG	0	0	0,000	0	1	22,9	22,900	22,9	22,90
2020	Topsoil and grass	LIXHE	RU-106	BQ/KG	1	9,61	9,610	9,61	0	0	0,000	0	9,61
2020	Topsoil and grass	LIXHE	SB-125	BQ/KG	1	2,83	2,830	2,83	0	0	0,000	0	2,83
2020	Topsoil and grass	LIXHE	TH-228	BQ/KG	0	0	0,000	0	1	22,4	22,400	22,4	22,40
2020	Topsoil and grass	LIXHE	ZN-65	BQ/KG	1	3,1	3,100	3,1	0	0	0,000	0	3,10
2020	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	AG-110M	BQ/KG	1	2,28	2,280	2,28	0	0	0,000	0	2,28
2020	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	BE-7	BQ/KG	1	21,5	21,500	21,5	0	0	0,000	0	21,50
2020	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	CO-57	BQ/KG	1	0,86	0,860	0,86	0	0	0,000	0	0,86
2020	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	CO-58	BQ/KG	1	2,06	2,060	2,06	0	0	0,000	0	2,06
2020	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	CO-60	BQ/KG	1	1,43	1,430	1,43	0	0	0,000	0	1,43
2020	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	CS-134	BQ/KG	1	1,26	1,260	1,26	0	0	0,000	0	1,26
2020	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	CS-137	BQ/KG	0	0	0,000	0	1	30,2	30,200	30,2	30,20
2020	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	I-131	BQ/KG	1	207	207,000	207	0	0	0,000	0	207,00
2020	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	K-40	BQ/KG	0	0	0,000	0	1	479	479,000	479	479,00
2020	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	MN-54	BQ/KG	1	1,55	1,550	1,55	0	0	0,000	0	1,55
2020	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	RA-226	BQ/KG	0	0	0,000	0	1	43,5	43,500	43,5	43,50
2020	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	RA-228	BQ/KG	0	0	0,000	0	1	35,7	35,700	35,7	35,70
2020	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	RU-106	BQ/KG	1	11,5	11,500	11,5	0	0	0,000	0	11,50
2020	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	SB-125	BQ/KG	1	3,73	3,730	3,73	0	0	0,000	0	3,73
2020	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	TH-228	BQ/KG	0	0	0,000	0	1	40,7	40,700	40,7	40,70
2020	Topsoil and grass	TIHANGE-ANDENNE-AMPSIN	ZN-65	BQ/KG	1	3,91	3,910	3,91	0	0	0,000	0	3,91

Year	Sample type	Locality	Nuclides	Unit	DL			Measurements				Global mean	
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean		Max
2020	Total deposition filtered	LIXHE	BE-7	BQ/M²	9	7,42	16,558	22,8	4	16,9	28,950	41,5	20,37
2020	Total deposition filtered	LIXHE	CE-141	BQ/M²	13	2,15	4,184	7,55	0	0	0,000	0	4,18
2020	Total deposition filtered	LIXHE	CE-144	BQ/M²	13	5,42	10,202	11,7	0	0	0,000	0	10,20
2020	Total deposition filtered	LIXHE	CS-134	BQ/M²	13	0,719	1,433	1,64	0	0	0,000	0	1,43
2020	Total deposition filtered	LIXHE	CS-137	BQ/M²	13	0,726	1,524	1,77	0	0	0,000	0	1,52
2020	Total deposition filtered	LIXHE	H-3	BQ/M²	9	59,6	208,811	353	4	58,2	152,050	310	191,35
2020	Total deposition filtered	LIXHE	I-131	BQ/M²	13	5,62	24,400	136	0	0	0,000	0	24,40
2020	Total deposition filtered	LIXHE	K-40	BQ/M²	8	0,655	1,380	2,12	5	0,438	1,377	2,95	1,38
2020	Total deposition filtered	LIXHE	NB-95	BQ/M²	13	1,13	2,481	3,91	0	0	0,000	0	2,48
2020	Total deposition filtered	LIXHE	R-BETA	BQ/L	8	0,0167	0,017	0,0169	5	0,0173	0,021	0,0247	0,02
2020	Total deposition filtered	LIXHE	RU-103	BQ/M²	13	1,02	2,219	3,29	0	0	0,000	0	2,22
2020	Total deposition filtered	LIXHE	RU-106	BQ/M²	13	6,36	13,405	15,1	0	0	0,000	0	13,40
2020	Total deposition filtered	LIXHE	T-ALFA	BQ/M²	1	0,0667	0,067	0,0667	12	0,0662	0,181	0,427	0,17
2020	Total deposition filtered	LIXHE	T-BETA	BQ/M²	0	0	0,000	0	13	0,643	1,435	3,54	1,44
2020	Total deposition filtered	LIXHE	ZR-95	BQ/M²	13	1,63	3,409	4,35	0	0	0,000	0	3,41
2020	Total deposition filtered	TIHANGE	BE-7	BQ/M²	8	8,48	17,185	24,6	5	13,2	20,880	27,8	18,61
2020	Total deposition filtered	TIHANGE	CE-141	BQ/M²	13	2,09	4,212	7,89	0	0	0,000	0	4,21

2020	Total deposition filtered	TIHANGE	CE-144	BQ/M ²	13	5,66	10,175	11,7	0	0	0,000	0	10,17
2020	Total deposition filtered	TIHANGE	CS-134	BQ/M ²	13	0,69	1,437	1,66	0	0	0,000	0	1,44
2020	Total deposition filtered	TIHANGE	CS-137	BQ/M ²	13	0,777	1,555	1,77	0	0	0,000	0	1,56
2020	Total deposition filtered	TIHANGE	H-3	BQ/M ²	12	41,6	206,742	374	1	135	135,000	135	201,22
2020	Total deposition filtered	TIHANGE	I-131	BQ/M ²	13	5,95	24,935	138	0	0	0,000	0	24,94
2020	Total deposition filtered	TIHANGE	K-40	BQ/M ²	5	1,02	1,625	2,23	8	0,706	4,906	21,8	3,64
2020	Total deposition filtered	TIHANGE	NB-95	BQ/M ²	13	1,07	2,566	3,95	0	0	0,000	0	2,57
2020	Total deposition filtered	TIHANGE	R-BETA	BQ/L	10	0,0167	0,018	0,0318	3	0,0199	0,030	0,0395	0,02
2020	Total deposition filtered	TIHANGE	RU-103	BQ/M ²	13	1,02	2,263	3,45	0	0	0,000	0	2,26
2020	Total deposition filtered	TIHANGE	RU-106	BQ/M ²	13	6,52	13,486	15,4	0	0	0,000	0	13,49
2020	Total deposition filtered	TIHANGE	T-ALFA	BQ/M ²	2	0,047	0,060	0,0729	11	0,0673	0,203	0,308	0,18
2020	Total deposition filtered	TIHANGE	T-BETA	BQ/M ²	0	0	0,000	0	13	0,867	3,183	14	3,18
2020	Total deposition filtered	TIHANGE	ZR-95	BQ/M ²	13	1,51	3,438	4,22	0	0	0,000	0	3,44

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	Total deposition residue	LIXHE	BE-7	BQ/M ²	3	6,65	11,113	19,7	10	10,3	18,420	34,6	16,73
2020	Total deposition residue	LIXHE	CE-141	BQ/M ²	13	1,14	1,463	2,04	0	0	0,000	0	1,46
2020	Total deposition residue	LIXHE	CE-144	BQ/M ²	13	1,99	3,375	4,53	0	0	0,000	0	3,37
2020	Total deposition residue	LIXHE	CS-134	BQ/M ²	13	0,399	0,661	0,869	0	0	0,000	0	0,66
2020	Total deposition residue	LIXHE	CS-137	BQ/M ²	13	0,382	0,651	0,906	0	0	0,000	0	0,65
2020	Total deposition residue	LIXHE	I-131	BQ/M ²	13	4,27	7,234	13,9	0	0	0,000	0	7,23
2020	Total deposition residue	LIXHE	K-40	BQ/M ²	13	5,64	9,124	12,1	0	0	0,000	0	9,12
2020	Total deposition residue	LIXHE	NB-95	BQ/M ²	13	0,845	1,059	1,45	0	0	0,000	0	1,06
2020	Total deposition residue	LIXHE	RU-103	BQ/M ²	13	0,788	0,958	1,27	0	0	0,000	0	0,96
2020	Total deposition residue	LIXHE	RU-106	BQ/M ²	13	3,64	5,994	7,98	0	0	0,000	0	5,99
2020	Total deposition residue	LIXHE	T-ALFA	BQ/M ²	0	0	0,000	0	13	0,347	0,832	1,71	0,83
2020	Total deposition residue	LIXHE	T-BETA	BQ/M ²	0	0	0,000	0	13	1,03	2,938	6,43	2,94
2020	Total deposition residue	LIXHE	ZR-95	BQ/M ²	13	1,04	1,413	1,93	0	0	0,000	0	1,41
2020	Total deposition residue	TIHANGE	BE-7	BQ/M ²	1	10,9	10,900	10,9	12	7,52	17,301	27,1	16,81
2020	Total deposition residue	TIHANGE	CE-141	BQ/M ²	13	0,845	1,390	2,18	0	0	0,000	0	1,39
2020	Total deposition residue	TIHANGE	CE-144	BQ/M ²	13	1,93	3,080	4,59	0	0	0,000	0	3,08
2020	Total deposition residue	TIHANGE	CS-134	BQ/M ²	13	0,405	0,610	0,879	0	0	0,000	0	0,61
2020	Total deposition residue	TIHANGE	CS-137	BQ/M ²	13	0,375	0,605	0,873	0	0	0,000	0	0,61
2020	Total deposition residue	TIHANGE	I-131	BQ/M ²	13	3,69	7,762	14,9	0	0	0,000	0	7,76
2020	Total deposition residue	TIHANGE	K-40	BQ/M ²	13	5,62	8,424	11,9	0	0	0,000	0	8,42
2020	Total deposition residue	TIHANGE	NB-95	BQ/M ²	13	0,661	1,019	1,51	0	0	0,000	0	1,02
2020	Total deposition residue	TIHANGE	RU-103	BQ/M ²	13	0,578	0,915	1,36	0	0	0,000	0	0,91
2020	Total deposition residue	TIHANGE	RU-106	BQ/M ²	13	3,65	5,548	8,12	0	0	0,000	0	5,55
2020	Total deposition residue	TIHANGE	T-ALFA	BQ/M ²	0	0	0,000	0	13	0,113	1,447	4,3	1,45
2020	Total deposition residue	TIHANGE	T-BETA	BQ/M ²	0	0	0,000	0	13	0,509	3,439	8,01	3,44
2020	Total deposition residue	TIHANGE	ZR-95	BQ/M ²	13	0,868	1,325	1,99	0	0	0,000	0	1,33

Year	Sample type	Locality	Nuclides	Unit	DL			Measurements				Global mean	
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean		Max
2020	Wastewater	TIHANGE-Purging of the steam generators	AG-110M	BQ/L	11	1,74	1,953	2,24	0	0	0,000	0	1,95
2020	Wastewater	TIHANGE-Purging of the steam generators	BE-7	BQ/L	11	15,5	26,073	45,9	0	0	0,000	0	26,07
2020	Wastewater	TIHANGE-Purging of the steam generators	CE-141	BQ/L	11	3,22	8,163	20,5	0	0	0,000	0	8,16
2020	Wastewater	TIHANGE-Purging of the steam generators	CE-144	BQ/L	11	8,34	9,329	10,5	0	0	0,000	0	9,33
2020	Wastewater	TIHANGE-Purging of the steam generators	CO-57	BQ/L	11	1,05	1,159	1,33	0	0	0,000	0	1,16
2020	Wastewater	TIHANGE-Purging of the steam generators	CO-58	BQ/L	11	1,74	2,372	3,69	0	0	0,000	0	2,37
2020	Wastewater	TIHANGE-Purging of the steam generators	CO-60	BQ/L	11	1,3	1,402	1,6	0	0	0,000	0	1,40
2020	Wastewater	TIHANGE-Purging of the steam generators	CR-51	BQ/L	11	20,4	63,445	173	0	0	0,000	0	63,45
2020	Wastewater	TIHANGE-Purging of the steam generators	CS-134	BQ/L	11	1,45	1,520	1,61	0	0	0,000	0	1,52
2020	Wastewater	TIHANGE-Purging of the steam generators	CS-137	BQ/L	10	1,46	1,512	1,59	1	1,68	1,680	1,68	1,53
2020	Wastewater	TIHANGE-Purging of the steam generators	FE-59	BQ/L	11	3,54	6,640	12,8	0	0	0,000	0	6,64
2020	Wastewater	TIHANGE-Purging of the steam generators	H-3	BQ/L	0	0	0,000	0	11	104	344,818	892	344,82
2020	Wastewater	TIHANGE-Purging of the steam generators	I-131	BQ/L	11	11,7	2468,300	19800	0	0	0,000	0	2468,30
2020	Wastewater	TIHANGE-Purging of the steam generators	MN-54	BQ/L	11	1,37	1,481	1,63	0	0	0,000	0	1,48
2020	Wastewater	TIHANGE-Purging of the steam generators	NB-95	BQ/L	11	2,15	5,216	11,7	0	0	0,000	0	5,22
2020	Wastewater	TIHANGE-Purging of the steam generators	RU-103	BQ/L	11	1,98	4,285	9,2	0	0	0,000	0	4,29
2020	Wastewater	TIHANGE-Purging of the steam generators	RU-106	BQ/L	11	13,1	14,100	15,1	0	0	0,000	0	14,10
2020	Wastewater	TIHANGE-Purging of the steam generators	SB-124	BQ/L	11	1,83	2,885	4,85	0	0	0,000	0	2,89
2020	Wastewater	TIHANGE-Purging of the steam generators	SB-125	BQ/L	11	3,83	3,986	4,17	0	0	0,000	0	3,99
2020	Wastewater	TIHANGE-Purging of the steam generators	SN-113	BQ/L	11	1,91	2,495	3,23	0	0	0,000	0	2,50
2020	Wastewater	TIHANGE-Purging of the steam generators	TE-123M	BQ/L	11	1,2	1,494	1,91	0	0	0,000	0	1,49
2020	Wastewater	TIHANGE-Purging of the steam generators	ZN-65	BQ/L	11	3,04	3,431	3,95	0	0	0,000	0	3,43
2020	Wastewater	TIHANGE-Purging of the steam generators	ZR-95	BQ/L	11	3,14	4,735	7,66	0	0	0,000	0	4,74

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	Wastewater	TIHANGE-Primary effluents	AG-108M	BQ/L	9	1,66	2,003	2,63	4	3,39	5,585	8,62	3,11
2020	Wastewater	TIHANGE-Primary effluents	AG-110M	BQ/L	1	3,18	3,180	3,18	12	3,81	41,243	219	38,31
2020	Wastewater	TIHANGE-Primary effluents	BE-7	BQ/L	13	17,3	41,808	82,3	0	0	0,000	0	41,81
2020	Wastewater	TIHANGE-Primary effluents	CE-141	BQ/L	13	3,61	9,724	24,3	0	0	0,000	0	9,72
2020	Wastewater	TIHANGE-Primary effluents	CE-144	BQ/L	13	9,2	11,958	15	0	0	0,000	0	11,96
2020	Wastewater	TIHANGE-Primary effluents	CO-57	BQ/L	13	1,12	1,508	1,92	0	0	0,000	0	1,51
2020	Wastewater	TIHANGE-Primary effluents	CO-58	BQ/L	0	0	0,000	0	13	8,94	25,908	62,8	25,91
2020	Wastewater	TIHANGE-Primary effluents	CO-60	BQ/L	0	0	0,000	0	13	10,9	140,085	343	140,08
2020	Wastewater	TIHANGE-Primary effluents	CR-51	BQ/L	13	24,1	86,492	257	0	0	0,000	0	86,49
2020	Wastewater	TIHANGE-Primary effluents	CS-134	BQ/L	10	1,8	2,664	3,94	3	2,61	3,363	3,95	2,83
2020	Wastewater	TIHANGE-Primary effluents	CS-137	BQ/L	0	0	0,000	0	13	3,82	62,487	289	62,49
2020	Wastewater	TIHANGE-Primary effluents	FE-59	BQ/L	13	3,98	9,952	19,7	0	0	0,000	0	9,95
2020	Wastewater	TIHANGE-Primary effluents	H-3	BQ/L	0	0	0,000	0	13	1330000	2683846,154	4540000	2683846,15
2020	Wastewater	TIHANGE-Primary effluents	I-131	BQ/L	13	15,4	3004,492	27800	0	0	0,000	0	3004,49
2020	Wastewater	TIHANGE-Primary effluents	MN-54	BQ/L	3	1,66	1,847	2,02	10	1,26	5,833	10,8	4,91
2020	Wastewater	TIHANGE-Primary effluents	NB-95	BQ/L	13	2,65	9,093	22,6	0	0	0,000	0	9,09
2020	Wastewater	TIHANGE-Primary effluents	RU-103	BQ/L	13	2,41	6,634	14,6	0	0	0,000	0	6,63
2020	Wastewater	TIHANGE-Primary effluents	RU-106	BQ/L	13	15,2	22,992	37	0	0	0,000	0	22,99
2020	Wastewater	TIHANGE-Primary effluents	SB-124	BQ/L	10	2,35	5,383	9,4	3	3,84	8,660	14,8	6,14
2020	Wastewater	TIHANGE-Primary effluents	SB-125	BQ/L	5	4,49	6,050	9,97	8	6,39	20,374	46,7	14,86
2020	Wastewater	TIHANGE-Primary effluents	SN-113	BQ/L	13	2,4	3,872	5,8	0	0	0,000	0	3,87
2020	Wastewater	TIHANGE-Primary effluents	TE-123M	BQ/L	13	1,34	1,935	2,69	0	0	0,000	0	1,94
2020	Wastewater	TIHANGE-Primary effluents	ZN-65	BQ/L	13	3,36	6,045	9,44	0	0	0,000	0	6,04
2020	Wastewater	TIHANGE-Primary effluents	ZR-95	BQ/L	13	3,19	7,343	13,8	0	0	0,000	0	7,34

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

The global mean is the (arithmetic) mean of all analyses that are below the detection limit and the mean of all measurements. Values expressed in Bq/kg are in Bq/kg dry matter (DL: detection limit).

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	AG-110M	BQ/KG	4	3,99	5,188	5,89	0	0	0,000	0	5,2
2020	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	BE-7	BQ/KG	1	49	49,000	49	3	60,6	121,867	169	103,7
2020	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	CO-57	BQ/KG	4	1,59	2,408	2,91	0	0	0,000	0	2,4
2020	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	CO-58	BQ/KG	4	4,43	5,503	6,55	0	0	0,000	0	5,5
2020	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	CO-60	BQ/KG	4	3,83	4,545	5,07	0	0	0,000	0	4,5
2020	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	CS-134	BQ/KG	4	3,35	4,225	4,75	0	0	0,000	0	4,2
2020	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	CS-137	BQ/KG	4	3,25	4,103	4,99	0	0	0,000	0	4,1
2020	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	H-3	BQ/KG	1	18,8	18,800	18,8	3	34	43,700	58,2	37,5
2020	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	I-131	BQ/KG	4	79,9	139,225	200	0	0	0,000	0	139,2
2020	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	K-40	BQ/KG	0	0	0,000	0	4	265	314,500	389	314,5
2020	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	MN-54	BQ/KG	4	3,39	4,163	4,83	0	0	0,000	0	4,2
2020	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	NB-95	BQ/KG	4	7,71	9,508	10,9	0	0	0,000	0	9,5
2020	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	RA-226	BQ/KG	0	0	0,000	0	4	15,5	28,700	43,1	28,7
2020	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	RA-228	BQ/KG	2	17,1	18,750	20,4	2	18,4	20,000	21,6	19,4
2020	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	TH-228	BQ/KG	0	0	0,000	0	4	12,4	16,400	24,1	16,4
2020	Freshwater aquatic mosses	FLORIFFOUX-MORNIMONT-SAMBREVILLE	ZN-65	BQ/KG	4	8,64	11,185	12,5	0	0	0,000	0	11,2

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	AG-110M	BQ/KG	4	1,93	2,323	2,82	0	0	0,000	0	2,3
2020	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	BE-7	BQ/KG	0	0	0,000	0	4	145	199,250	308	199,3
2020	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	CO-57	BQ/KG	4	0,922	1,156	1,49	0	0	0,000	0	1,2
2020	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	CO-58	BQ/KG	4	2,41	2,703	3,31	0	0	0,000	0	2,7
2020	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	CO-60	BQ/KG	4	1,96	2,233	2,45	0	0	0,000	0	2,2
2020	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	CS-134	BQ/KG	4	1,76	1,978	2,36	0	0	0,000	0	2,0
2020	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	CS-137	BQ/KG	4	1,85	2,053	2,36	0	0	0,000	0	2,1
2020	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	H-3	BQ/KG	0	0	0,000	0	4	21,6	36,225	48,5	36,2
2020	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	I-131	BQ/KG	4	31,2	56,225	90	0	0	0,000	0	56,2
2020	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	K-40	BQ/KG	1	63,3	63,300	63,3	3	316	383,000	435	303,1
2020	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	MN-54	BQ/KG	4	1,89	2,085	2,29	0	0	0,000	0	2,1
2020	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	NB-95	BQ/KG	4	3,54	4,153	5,28	0	0	0,000	0	4,2
2020	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	RA-226	BQ/KG	3	2,97	4,033	5,26	1	2,27	2,270	2,27	3,6
2020	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	RA-228	BQ/KG	4	7,65	8,430	9,43	0	0	0,000	0	8,4
2020	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	TH-228	BQ/KG	4	2,6	3,320	4,37	0	0	0,000	0	3,3
2020	Freshwater aquatic plants	FLORIFFOUX-MORNIMONT-SAMBREVILLE	ZN-65	BQ/KG	4	4,78	5,110	5,7	0	0	0,000	0	5,1

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	Outdoor air	FLEURUS	BE-7	BQ/M³	1	0,000406	0,000	0,000406	12	0,00255	0,005	0,00691	0,00430
2020	Outdoor air	FLEURUS	CE-141	BQ/M³	13	0,0000347	0,000	0,00012	0	0	0,000	0	0,00008
2020	Outdoor air	FLEURUS	CE-144	BQ/M³	13	0,0000716	0,000	0,000133	0	0	0,000	0	0,00011
2020	Outdoor air	FLEURUS	CS-134	BQ/M³	13	0,0000237	0,000	0,0000452	0	0	0,000	0	0,00004
2020	Outdoor air	FLEURUS	CS-137	BQ/M³	13	0,00002	0,000	0,0000384	0	0	0,000	0	0,00003
2020	Outdoor air	FLEURUS	I-131	BQ/M³	13	0,0000722	0,004	0,0139	0	0	0,000	0	0,00389
2020	Outdoor air	FLEURUS	K-40	BQ/M³	0	0	0,000	0	13	0,0011	0,001	0,00241	0,00145
2020	Outdoor air	FLEURUS	NB-95	BQ/M³	13	0,0000406	0,000	0,000121	0	0	0,000	0	0,00008
2020	Outdoor air	FLEURUS	RU-103	BQ/M³	13	0,0000348	0,000	0,0000894	0	0	0,000	0	0,00006
2020	Outdoor air	FLEURUS	RU-106	BQ/M³	13	0,000187	0,000	0,000365	0	0	0,000	0	0,00030
2020	Outdoor air	FLEURUS	T-BETA	BQ/M³	64	0,0000923	0,001	0,0149	217	0,000125	0,001	0,00213	0,00070

2020	Outdoor air	FLEURUS	ZR-95	BQ/M ³	13	0,000582	0,000	0,00011	0	0	0,000	0	0,00009
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Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	Topsoil and grass	FLEURUS	AG-110M	BQ/KG	1	1,63	1,630	1,63	0	0	0,000	0	1,6
2020	Topsoil and grass	FLEURUS	BE-7	BQ/KG	1	18,6	18,600	18,6	0	0	0,000	0	18,6
2020	Topsoil and grass	FLEURUS	CO-57	BQ/KG	1	0,835	0,835	0,835	0	0	0,000	0	0,8
2020	Topsoil and grass	FLEURUS	CO-58	BQ/KG	1	2,04	2,040	2,04	0	0	0,000	0	2,0
2020	Topsoil and grass	FLEURUS	CO-60	BQ/KG	1	1,5	1,500	1,5	0	0	0,000	0	1,5
2020	Topsoil and grass	FLEURUS	CS-134	BQ/KG	1	1,26	1,260	1,26	0	0	0,000	0	1,3
2020	Topsoil and grass	FLEURUS	CS-137	BQ/KG	0	0	0,000	0	1	5,7	5,700	5,7	5,7
2020	Topsoil and grass	FLEURUS	I-131	BQ/KG	1	171	171,000	171	0	0	0,000	0	171,0
2020	Topsoil and grass	FLEURUS	K-40	BQ/KG	0	0	0,000	0	1	500	500,000	500	500,0
2020	Topsoil and grass	FLEURUS	MN-54	BQ/KG	1	1,47	1,470	1,47	0	0	0,000	0	1,5
2020	Topsoil and grass	FLEURUS	RA-226	BQ/KG	0	0	0,000	0	1	46,5	46,500	46,5	46,5
2020	Topsoil and grass	FLEURUS	RA-228	BQ/KG	0	0	0,000	0	1	38	38,000	38	38,0
2020	Topsoil and grass	FLEURUS	RU-106	BQ/KG	1	11,3	11,300	11,3	0	0	0,000	0	11,3
2020	Topsoil and grass	FLEURUS	SB-125	BQ/KG	1	3,47	3,470	3,47	0	0	0,000	0	3,5
2020	Topsoil and grass	FLEURUS	TH-228	BQ/KG	0	0	0,000	0	1	42,5	42,500	42,5	42,5
2020	Topsoil and grass	FLEURUS	ZN-65	BQ/KG	1	3,63	3,630	3,63	0	0	0,000	0	3,6

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	Total deposition filtered	FLEURUS	BE-7	BQ/M ²	6	14,9	17,367	22,2	7	8,78	27,626	56	22,89
2020	Total deposition filtered	FLEURUS	CE-141	BQ/M ²	13	2,04	4,118	7,32	0	0	0,000	0	4,12
2020	Total deposition filtered	FLEURUS	CE-144	BQ/M ²	13	5,51	10,258	11,6	0	0	0,000	0	10,26
2020	Total deposition filtered	FLEURUS	CS-134	BQ/M ²	13	0,756	1,417	1,59	0	0	0,000	0	1,42
2020	Total deposition filtered	FLEURUS	CS-137	BQ/M ²	13	0,762	1,502	1,67	0	0	0,000	0	1,50
2020	Total deposition filtered	FLEURUS	H-3	BQ/M ²	13	37,6	222,892	454	0	0	0,000	0	222,89
2020	Total deposition filtered	FLEURUS	I-131	BQ/M ²	13	4,98	21,290	121	0	0	0,000	0	21,29
2020	Total deposition filtered	FLEURUS	K-40	BQ/M ²	8	0,852	1,729	2,57	5	0,554	1,097	1,59	1,49
2020	Total deposition filtered	FLEURUS	NB-95	BQ/M ²	13	1,08	2,318	3,64	0	0	0,000	0	2,32
2020	Total deposition filtered	FLEURUS	R-BETA	BQ/L	8	0,0167	0,017	0,0169	5	0,0235	0,044	0,0775	0,03
2020	Total deposition filtered	FLEURUS	RU-103	BQ/M ²	13	1,02	2,133	3,27	0	0	0,000	0	2,13
2020	Total deposition filtered	FLEURUS	RU-106	BQ/M ²	13	6,39	12,899	15	0	0	0,000	0	12,90
2020	Total deposition filtered	FLEURUS	T-ALFA	BQ/M ²	1	0,0667	0,067	0,0667	12	0,153	0,315	0,711	0,30
2020	Total deposition filtered	FLEURUS	T-BETA	BQ/M ²	0	0	0,000	0	13	1,03	1,857	3,23	1,86
2020	Total deposition filtered	FLEURUS	ZR-95	BQ/M ²	13	1,54	3,195	4,02	0	0	0,000	0	3,19

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	Total deposition residue	FLEURUS	BE-7	BQ/M ²	1	5,97	5,970	5,97	12	9,57	18,722	42,5	17,74
2020	Total deposition residue	FLEURUS	CE-141	BQ/M ²	13	1,12	1,415	1,93	0	0	0,000	0	1,42
2020	Total deposition residue	FLEURUS	CE-144	BQ/M ²	13	2,71	3,352	4,52	0	0	0,000	0	3,35
2020	Total deposition residue	FLEURUS	CS-134	BQ/M ²	13	0,553	0,652	0,825	0	0	0,000	0	0,65
2020	Total deposition residue	FLEURUS	CS-137	BQ/M ²	13	0,581	0,654	0,921	0	0	0,000	0	0,65
2020	Total deposition residue	FLEURUS	I-131	BQ/M ²	13	3,31	6,355	19,6	0	0	0,000	0	6,35
2020	Total deposition residue	FLEURUS	K-40	BQ/M ²	13	7,76	9,045	11,9	0	0	0,000	0	9,04
2020	Total deposition residue	FLEURUS	NB-95	BQ/M ²	13	0,825	1,012	1,37	0	0	0,000	0	1,01
2020	Total deposition residue	FLEURUS	RU-103	BQ/M ²	13	0,765	0,914	1,23	0	0	0,000	0	0,91
2020	Total deposition residue	FLEURUS	RU-106	BQ/M ²	13	5,01	5,850	7,78	0	0	0,000	0	5,85
2020	Total deposition residue	FLEURUS	T-ALFA	BQ/M ²	0	0	0,000	0	13	0,303	0,649	1,35	0,65
2020	Total deposition residue	FLEURUS	T-BETA	BQ/M ²	0	0	0,000	0	13	1,1	2,335	5,43	2,33
2020	Total deposition residue	FLEURUS	ZR-95	BQ/M ²	13	1,1	1,352	1,86	0	0	0,000	0	1,35

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.

The global mean is the (arithmetic) mean of all analyses that are below the detection limit and the mean of all measurements. Values expressed in Bq/kg are in Bq/kg dry matter (DL: detection limit; BQ/G-C: Bq per g of stable carbon).

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	Agricultural products around Chooz	CHOOZ	AG-110M	BQ/KG	12	3,09	7,176	16,5	0	0	0,000	0	7,2
2020	Agricultural products around Chooz	CHOOZ	BE-7	BQ/KG	11	30,8	92,800	202	1	212	212,000	212	102,7
2020	Agricultural products around Chooz	CHOOZ	C-14	BQ/G-C	1	0,197	0,197	0,197	11	0,222	0,252	0,305	0,2
2020	Agricultural products around Chooz	CHOOZ	CO-57	BQ/KG	12	1,6	3,302	7,38	0	0	0,000	0	3,3
2020	Agricultural products around Chooz	CHOOZ	CO-58	BQ/KG	12	4,06	8,805	20	0	0	0,000	0	8,8
2020	Agricultural products around Chooz	CHOOZ	CO-60	BQ/KG	12	2,48	5,784	13,9	0	0	0,000	0	5,8
2020	Agricultural products around Chooz	CHOOZ	CS-134	BQ/KG	12	2,42	5,392	12,3	0	0	0,000	0	5,4
2020	Agricultural products around Chooz	CHOOZ	CS-137	BQ/KG	12	1,9	5,431	13	0	0	0,000	0	5,4
2020	Agricultural products around Chooz	CHOOZ	H-3	BQ/KG	1	19,2	19,200	19,2	11	18,97	46,434	77,4	44,2
2020	Agricultural products around Chooz	CHOOZ	I-131	BQ/KG	12	257	1311,333	2490	0	0	0,000	0	1311,3
2020	Agricultural products around Chooz	CHOOZ	K-40	BQ/KG	4	55,5	224,375	290	8	261	370,500	581	321,8
2020	Agricultural products around Chooz	CHOOZ	MN-54	BQ/KG	12	2,4	5,599	13	0	0	0,000	0	5,6
2020	Agricultural products around Chooz	CHOOZ	RA-226	BQ/KG	11	4,97	11,255	26,6	1	8,49	8,490	8,49	11,0
2020	Agricultural products around Chooz	CHOOZ	RA-228	BQ/KG	12	9,87	22,564	52,7	0	0	0,000	0	22,6
2020	Agricultural products around Chooz	CHOOZ	RU-106	BQ/KG	12	21,6	50,542	117	0	0	0,000	0	50,5
2020	Agricultural products around Chooz	CHOOZ	SB-125	BQ/KG	12	6,19	13,484	30,7	0	0	0,000	0	13,5
2020	Agricultural products around Chooz	CHOOZ	SR-90	BQ/KG	1	0,269	0,269	0,269	11	0,203	0,504	1,47	0,5
2020	Agricultural products around Chooz	CHOOZ	TH-228	BQ/KG	11	4,49	10,224	22,7	1	6,94	6,940	6,94	10,0
2020	Agricultural products around Chooz	CHOOZ	ZN-65	BQ/KG	12	6,41	13,923	32,4	0	0	0,000	0	13,9

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	Topsoil and grass	CHOOZ	AG-110M	BQ/KG	13	1,38	1,715	2,17	0	0	0,000	0	1,71
2020	Topsoil and grass	CHOOZ	AM-241	BQ/KG	3	0,733	0,921	1,09	1	0,5	0,500	0,5	0,82
2020	Topsoil and grass	CHOOZ	BE-7	BQ/KG	13	16,5	20,400	23,2	0	0	0,000	0	20,40
2020	Topsoil and grass	CHOOZ	CO-57	BQ/KG	13	0,737	0,877	1,08	0	0	0,000	0	0,88
2020	Topsoil and grass	CHOOZ	CO-58	BQ/KG	13	1,75	2,100	2,28	0	0	0,000	0	2,10
2020	Topsoil and grass	CHOOZ	CO-60	BQ/KG	13	1,28	1,381	1,53	0	0	0,000	0	1,38
2020	Topsoil and grass	CHOOZ	CS-134	BQ/KG	13	1,08	1,248	1,4	0	0	0,000	0	1,25
2020	Topsoil and grass	CHOOZ	CS-137	BQ/KG	0	0	0,000	0	13	2,16	5,125	9,66	5,13
2020	Topsoil and grass	CHOOZ	I-131	BQ/KG	13	85,1	280,931	350	0	0	0,000	0	280,93
2020	Topsoil and grass	CHOOZ	K-40	BQ/KG	0	0	0,000	0	13	286	506,769	855	506,77
2020	Topsoil and grass	CHOOZ	MN-54	BQ/KG	13	1,24	1,456	1,59	0	0	0,000	0	1,46
2020	Topsoil and grass	CHOOZ	PU-238	BQ/KG	4	0,428	0,770	1,27	0	0	0,000	0	0,77
2020	Topsoil and grass	CHOOZ	PU(239+240)	BQ/KG	4	0,551	0,725	1,04	0	0	0,000	0	0,72
2020	Topsoil and grass	CHOOZ	RA-226	BQ/KG	0	0	0,000	0	13	17,8	35,908	51,8	35,91
2020	Topsoil and grass	CHOOZ	RA-228	BQ/KG	0	0	0,000	0	13	18,3	37,538	50,6	37,54
2020	Topsoil and grass	CHOOZ	RU-106	BQ/KG	13	9,87	11,598	12,8	0	0	0,000	0	11,60
2020	Topsoil and grass	CHOOZ	SB-125	BQ/KG	13	2,87	3,341	3,65	0	0	0,000	0	3,34
2020	Topsoil and grass	CHOOZ	SR-90	BQ/KG	12	1,32	1,959	2,76	0	0	0,000	0	1,96
2020	Topsoil and grass	CHOOZ	TH-228	BQ/KG	0	0	0,000	0	13	24,9	44,300	56,5	44,30
2020	Topsoil and grass	CHOOZ	TH-230	BQ/KG	0	0	0,000	0	4	19,2	20,700	22,7	20,70
2020	Topsoil and grass	CHOOZ	TH-232	BQ/KG	0	0	0,000	0	4	33,2	37,250	40,8	37,25
2020	Topsoil and grass	CHOOZ	U-234	BQ/KG	0	0	0,000	0	4	19,9	21,375	23,1	21,38
2020	Topsoil and grass	CHOOZ	U-235	BQ/KG	0	0	0,000	0	4	0,469	1,070	1,44	1,07
2020	Topsoil and grass	CHOOZ	U-238	BQ/KG	0	0	0,000	0	4	19,8	21,700	23,1	21,70
2020	Topsoil and grass	CHOOZ	ZN-65	BQ/KG	13	3,09	3,697	4,29	0	0	0,000	0	3,70

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	River water	HEER-AGIMONT	BE-7	BQ/L	26	1,33	1,597	2,51	0	0	0,000	0	1,60
2020	River water	HEER-AGIMONT	CE-141	BQ/L	26	0,281	0,394	0,905	0	0	0,000	0	0,39
2020	River water	HEER-AGIMONT	CE-144	BQ/L	26	1	1,080	1,26	0	0	0,000	0	1,08
2020	River water	HEER-AGIMONT	CS-134	BQ/L	26	0,14	0,154	0,169	0	0	0,000	0	0,15
2020	River water	HEER-AGIMONT	CS-137	BQ/L	26	0,15	0,162	0,18	0	0	0,000	0	0,16
2020	River water	HEER-AGIMONT	H-3	BQ/L	5	2,8	3,268	3,83	21	2,92	18,087	43,8	15,24
2020	River water	HEER-AGIMONT	I-131	BQ/L	26	0,364	2,424	24,1	0	0	0,000	0	2,42
2020	River water	HEER-AGIMONT	K-40	BQ/L	0	0	0,000	0	26	0,0337	0,075	0,114	0,07
2020	River water	HEER-AGIMONT	NB-95	BQ/L	26	0,166	0,233	0,454	0	0	0,000	0	0,23
2020	River water	HEER-AGIMONT	R-BETA	BQ/L	24	0,0419	0,046	0,0503	2	0,0478	0,059	0,0703	0,05
2020	River water	HEER-AGIMONT	RU-103	BQ/L	26	0,169	0,211	0,37	0	0	0,000	0	0,21
2020	River water	HEER-AGIMONT	RU-106	BQ/L	26	1,31	1,435	1,62	0	0	0,000	0	1,44
2020	River water	HEER-AGIMONT	T-ALFA	BQ/L	22	0,0181	0,025	0,0326	4	0,0215	0,032	0,0527	0,03
2020	River water	HEER-AGIMONT	T-BETA	BQ/L	0	0	0,000	0	26	0,0501	0,093	0,144	0,09
2020	River water	HEER-AGIMONT	ZR-95	BQ/L	26	0,271	0,333	0,47	0	0	0,000	0	0,33

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	Freshwater aquatic mosses	HEER-AGIMONT-RIVIÈRE-GODINNE	AG-110M	BQ/KG	3	7,69	11,043	17,2	1	12,2	12,200	12,2	11,3
2020	Freshwater aquatic mosses	HEER-AGIMONT-RIVIÈRE-GODINNE	BE-7	BQ/KG	1	140	140,000	140	3	92,1	130,367	177	132,8
2020	Freshwater aquatic mosses	HEER-AGIMONT-RIVIÈRE-GODINNE	CO-57	BQ/KG	4	3,66	5,130	7,71	0	0	0,000	0	5,1
2020	Freshwater aquatic mosses	HEER-AGIMONT-RIVIÈRE-GODINNE	CO-58	BQ/KG	3	8,72	12,457	19,9	1	20,9	20,900	20,9	14,6
2020	Freshwater aquatic mosses	HEER-AGIMONT-RIVIÈRE-GODINNE	CO-60	BQ/KG	3	6,16	9,363	14,8	1	23,6	23,600	23,6	12,9
2020	Freshwater aquatic mosses	HEER-AGIMONT-RIVIÈRE-GODINNE	CS-134	BQ/KG	4	6,18	9,155	13,9	0	0	0,000	0	9,2
2020	Freshwater aquatic mosses	HEER-AGIMONT-RIVIÈRE-GODINNE	CS-137	BQ/KG	3	6,45	9,363	14,7	1	7,14	7,140	7,14	8,8
2020	Freshwater aquatic mosses	HEER-AGIMONT-RIVIÈRE-GODINNE	H-3	BQ/KG	0	0	0,000	0	4	28,2	39,025	56	39,0
2020	Freshwater aquatic mosses	HEER-AGIMONT-RIVIÈRE-GODINNE	I-131	BQ/KG	4	176	318,500	607	0	0	0,000	0	318,5
2020	Freshwater aquatic mosses	HEER-AGIMONT-RIVIÈRE-GODINNE	K-40	BQ/KG	1	126	126,000	126	3	246	441,000	635	362,3
2020	Freshwater aquatic mosses	HEER-AGIMONT-RIVIÈRE-GODINNE	MN-54	BQ/KG	4	5,8	8,833	13,8	0	0	0,000	0	8,8
2020	Freshwater aquatic mosses	HEER-AGIMONT-RIVIÈRE-GODINNE	NB-95	BQ/KG	4	14,3	20,350	32,6	0	0	0,000	0	20,4
2020	Freshwater aquatic mosses	HEER-AGIMONT-RIVIÈRE-GODINNE	RA-226	BQ/KG	2	14,2	14,750	15,3	2	30,1	41,050	52	27,9
2020	Freshwater aquatic mosses	HEER-AGIMONT-RIVIÈRE-GODINNE	RA-228	BQ/KG	4	26,5	38,125	61,5	0	0	0,000	0	38,1
2020	Freshwater aquatic mosses	HEER-AGIMONT-RIVIÈRE-GODINNE	TH-228	BQ/KG	3	12,1	16,700	25,6	1	26,1	26,100	26,1	19,1
2020	Freshwater aquatic mosses	HEER-AGIMONT-RIVIÈRE-GODINNE	ZN-65	BQ/KG	4	14,3	22,550	35	0	0	0,000	0	22,6

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	Freshwater aquatic plants	HEER-AGIMONT-RIVIÈRE-GODINNE	AG-110M	BQ/KG	4	2,17	2,308	2,49	0	0	0,000	0	2,3
2020	Freshwater aquatic plants	HEER-AGIMONT-RIVIÈRE-GODINNE	BE-7	BQ/KG	0	0	0,000	0	4	71,4	138,500	297	138,5
2020	Freshwater aquatic plants	HEER-AGIMONT-RIVIÈRE-GODINNE	CO-57	BQ/KG	4	0,986	1,144	1,23	0	0	0,000	0	1,1
2020	Freshwater aquatic plants	HEER-AGIMONT-RIVIÈRE-GODINNE	CO-58	BQ/KG	4	2,22	2,485	2,59	0	0	0,000	0	2,5
2020	Freshwater aquatic plants	HEER-AGIMONT-RIVIÈRE-GODINNE	CO-60	BQ/KG	4	1,86	1,990	2,18	0	0	0,000	0	2,0
2020	Freshwater aquatic plants	HEER-AGIMONT-RIVIÈRE-GODINNE	CS-134	BQ/KG	4	1,79	1,835	1,92	0	0	0,000	0	1,8
2020	Freshwater aquatic plants	HEER-AGIMONT-RIVIÈRE-GODINNE	CS-137	BQ/KG	4	1,58	1,838	1,98	0	0	0,000	0	1,8
2020	Freshwater aquatic plants	HEER-AGIMONT-RIVIÈRE-GODINNE	H-3	BQ/KG	1	18,9	18,900	18,9	3	28	43,100	51,1	37,1
2020	Freshwater aquatic plants	HEER-AGIMONT-RIVIÈRE-GODINNE	I-131	BQ/KG	4	32,4	55,025	70,1	0	0	0,000	0	55,0
2020	Freshwater aquatic plants	HEER-AGIMONT-RIVIÈRE-GODINNE	K-40	BQ/KG	0	0	0,000	0	4	219	372,750	470	372,8
2020	Freshwater aquatic plants	HEER-AGIMONT-RIVIÈRE-GODINNE	MN-54	BQ/KG	4	1,79	1,915	2,07	0	0	0,000	0	1,9
2020	Freshwater aquatic plants	HEER-AGIMONT-RIVIÈRE-GODINNE	NB-95	BQ/KG	4	3,5	3,975	4,32	0	0	0,000	0	4,0
2020	Freshwater aquatic plants	HEER-AGIMONT-RIVIÈRE-GODINNE	RA-226	BQ/KG	4	3,85	4,005	4,09	0	0	0,000	0	4,0
2020	Freshwater aquatic plants	HEER-AGIMONT-RIVIÈRE-GODINNE	RA-228	BQ/KG	4	7,42	7,860	8,25	0	0	0,000	0	7,9
2020	Freshwater aquatic plants	HEER-AGIMONT-RIVIÈRE-GODINNE	TH-228	BQ/KG	4	2,72	3,318	3,73	0	0	0,000	0	3,3

2020	Freshwater aquatic plants	HEER-AGIMONT-RIVIÈRE-GODINNE	ZN-65	BQ/KG	4	4,57	4,885	5,19	0	0	0,000	0	4,9
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Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	River sediments	HEER-AGIMONT	AG-110M	BQ/KG	12	1,95	4,760	11	1	5,11	5,110	5,11	4,79
2020	River sediments	HEER-AGIMONT	BE-7	BQ/KG	1	122	122,000	122	12	117	254,833	470	244,62
2020	River sediments	HEER-AGIMONT	CO-57	BQ/KG	13	0,943	1,999	4,55	0	0	0,000	0	2,00
2020	River sediments	HEER-AGIMONT	CO-58	BQ/KG	13	2,06	5,082	11,1	0	0	0,000	0	5,08
2020	River sediments	HEER-AGIMONT	CO-60	BQ/KG	7	1,26	3,357	7,87	6	3,7	10,547	18,7	6,68
2020	River sediments	HEER-AGIMONT	CS-134	BQ/KG	12	1,39	3,227	7,76	1	5,39	5,390	5,39	3,39
2020	River sediments	HEER-AGIMONT	CS-137	BQ/KG	1	8,18	8,180	8,18	12	4,07	9,021	16,9	8,96
2020	River sediments	HEER-AGIMONT	I-131	BQ/KG	13	106	606,000	2920	0	0	0,000	0	606,00
2020	River sediments	HEER-AGIMONT	K-40	BQ/KG	3	84,4	102,600	137	10	101	303,200	439	256,91
2020	River sediments	HEER-AGIMONT	MN-54	BQ/KG	13	1,39	3,341	7,04	0	0	0,000	0	3,34
2020	River sediments	HEER-AGIMONT	NB-95	BQ/KG	13	4,49	10,482	21,5	0	0	0,000	0	10,48
2020	River sediments	HEER-AGIMONT	RA-226	BQ/KG	3	9,87	12,257	16,7	10	29,4	39,320	54,5	33,07
2020	River sediments	HEER-AGIMONT	RA-228	BQ/KG	2	17,9	24,700	31,5	11	25,6	38,982	54,4	36,78
2020	River sediments	HEER-AGIMONT	TH-228	BQ/KG	1	14,6	14,600	14,6	12	15,5	36,617	54,9	34,92
2020	River sediments	HEER-AGIMONT	U-238EQ	BQ/KG	6	31	62,117	110	7	41,1	53,129	70,3	57,28
2020	River sediments	HEER-AGIMONT	ZN-65	BQ/KG	13	4,13	8,817	19,2	0	0	0,000	0	8,82

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	Total deposition filtered	HEER-AGIMONT	BE-7	BQ/M ²	8	7,71	16,114	23,4	4	19,8	43,100	54,6	25,11
2020	Total deposition filtered	HEER-AGIMONT	CE-141	BQ/M ²	12	1,96	4,257	7,96	0	0	0,000	0	4,26
2020	Total deposition filtered	HEER-AGIMONT	CE-144	BQ/M ²	12	5,18	10,083	11,7	0	0	0,000	0	10,08
2020	Total deposition filtered	HEER-AGIMONT	CS-134	BQ/M ²	12	0,791	1,466	1,68	0	0	0,000	0	1,47
2020	Total deposition filtered	HEER-AGIMONT	CS-137	BQ/M ²	12	0,811	1,501	1,67	0	0	0,000	0	1,50
2020	Total deposition filtered	HEER-AGIMONT	H-3	BQ/M ²	10	41,7	266,170	496	3	144	226,000	372	256,90
2020	Total deposition filtered	HEER-AGIMONT	I-131	BQ/M ²	12	6,44	26,063	139	0	0	0,000	0	26,06
2020	Total deposition filtered	HEER-AGIMONT	K-40	BQ/M ²	10	0,671	1,631	2,96	3	0,818	1,083	1,6	1,50
2020	Total deposition filtered	HEER-AGIMONT	NB-95	BQ/M ²	12	1,34	2,567	4,11	0	0	0,000	0	2,57
2020	Total deposition filtered	HEER-AGIMONT	R-BETA	BQ/L	10	0,0167	0,017	0,0171	3	0,0193	0,046	0,0708	0,02
2020	Total deposition filtered	HEER-AGIMONT	RU-103	BQ/M ²	12	1,16	2,255	3,47	0	0	0,000	0	2,26
2020	Total deposition filtered	HEER-AGIMONT	RU-106	BQ/M ²	12	7,88	13,923	16,1	0	0	0,000	0	13,92
2020	Total deposition filtered	HEER-AGIMONT	T-ALFA	BQ/M ²	4	0,0431	0,127	0,284	9	0,0931	0,190	0,401	0,17
2020	Total deposition filtered	HEER-AGIMONT	T-BETA	BQ/M ²	0	0	0,000	0	13	1,01	1,848	3,6	1,85
2020	Total deposition filtered	HEER-AGIMONT	ZR-95	BQ/M ²	12	1,98	3,448	4,4	0	0	0,000	0	3,45

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	Total deposition residue	HEER-AGIMONT	BE-7	BQ/M ²	2	5,98	5,980	5,98	11	7,21	20,983	33,7	18,67
2020	Total deposition residue	HEER-AGIMONT	CE-141	BQ/M ²	13	1,18	1,540	1,91	0	0	0,000	0	1,54
2020	Total deposition residue	HEER-AGIMONT	CE-144	BQ/M ²	13	2,82	3,379	4,22	0	0	0,000	0	3,38
2020	Total deposition residue	HEER-AGIMONT	CS-134	BQ/M ²	13	0,559	0,649	0,884	0	0	0,000	0	0,65
2020	Total deposition residue	HEER-AGIMONT	CS-137	BQ/M ²	13	0,506	0,640	0,887	0	0	0,000	0	0,64
2020	Total deposition residue	HEER-AGIMONT	I-131	BQ/M ²	13	4,92	8,595	12,9	0	0	0,000	0	8,59
2020	Total deposition residue	HEER-AGIMONT	K-40	BQ/M ²	13	7,83	9,004	12	0	0	0,000	0	9,00
2020	Total deposition residue	HEER-AGIMONT	NB-95	BQ/M ²	13	0,901	1,084	1,43	0	0	0,000	0	1,08
2020	Total deposition residue	HEER-AGIMONT	RU-103	BQ/M ²	13	0,803	0,977	1,23	0	0	0,000	0	0,98
2020	Total deposition residue	HEER-AGIMONT	RU-106	BQ/M ²	13	5,38	5,929	8,12	0	0	0,000	0	5,93
2020	Total deposition residue	HEER-AGIMONT	T-ALFA	BQ/M ²	0	0	0,000	0	13	0,226	0,689	1,47	0,69
2020	Total deposition residue	HEER-AGIMONT	T-BETA	BQ/M ²	0	0	0,000	0	13	1,03	2,390	4,87	2,39
2020	Total deposition residue	HEER-AGIMONT	ZR-95	BQ/M ²	13	1,17	1,422	1,89	0	0	0,000	0	1,42

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

The global mean is the (arithmetic) mean of all analyses that are below the detection limit and the mean of all measurements. Values expressed in Bq/kg are in Bq/kg dry matter (DL: detection limit).

Year	Sample type	Locality	Nuclides	Unit	DL			Measurements				Global mean	
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean		Max
2020	Freshwater aquatic plants	MOL-GEEL	AG-110M	BQ/KG	4	1,8	2,500	3	0	0	0,000	0	2,50
2020	Freshwater aquatic plants	MOL-GEEL	AM-241	BQ/KG	3	0,023	0,038	0,05	1	0,13	0,130	0,13	0,06
2020	Freshwater aquatic plants	MOL-GEEL	BE-7	BQ/KG	3	12	20,000	28	1	32	32,000	32	23,00
2020	Freshwater aquatic plants	MOL-GEEL	CO-57	BQ/KG	4	0,5	1,200	1,6	0	0	0,000	0	1,20
2020	Freshwater aquatic plants	MOL-GEEL	CO-58	BQ/KG	4	1,5	2,525	3,5	0	0	0,000	0	2,53
2020	Freshwater aquatic plants	MOL-GEEL	CO-60	BQ/KG	4	1,5	1,975	2,6	0	0	0,000	0	1,98
2020	Freshwater aquatic plants	MOL-GEEL	CS-134	BQ/KG	4	0,9	1,725	2,5	0	0	0,000	0	1,73
2020	Freshwater aquatic plants	MOL-GEEL	CS-137	BQ/KG	0	0	0,000	0	4	3,8	7,600	11,7	7,60
2020	Freshwater aquatic plants	MOL-GEEL	H-3	BQ/KG	3	12,361	15,357	18,998	1	16,7	16,700	16,7	15,69
2020	Freshwater aquatic plants	MOL-GEEL	I-131	BQ/KG	4	12	23,000	32	0	0	0,000	0	23,00
2020	Freshwater aquatic plants	MOL-GEEL	K-40	BQ/KG	0	0	0,000	0	4	570	685,000	900	685,00
2020	Freshwater aquatic plants	MOL-GEEL	MN-54	BQ/KG	4	1,2	1,950	2,7	0	0	0,000	0	1,95
2020	Freshwater aquatic plants	MOL-GEEL	PU-238	BQ/KG	4	0,025	0,034	0,04	0	0	0,000	0	0,03
2020	Freshwater aquatic plants	MOL-GEEL	PU(239+240)	BQ/KG	3	0,022	0,026	0,028	1	0,05	0,050	0,05	0,03
2020	Freshwater aquatic plants	MOL-GEEL	RA-226	BQ/KG	3	3,5	4,167	5	1	1,8	1,800	1,8	3,58
2020	Freshwater aquatic plants	MOL-GEEL	RA-228	BQ/KG	4	5	8,000	11	0	0	0,000	0	8,00
2020	Freshwater aquatic plants	MOL-GEEL	SR-90	BQ/KG	4	1,08	2,803	4,77	0	0	0,000	0	2,80
2020	Freshwater aquatic plants	MOL-GEEL	TC-99	BQ/KG	4	28,574	32,885	36,5	0	0	0,000	0	32,89
2020	Freshwater aquatic plants	MOL-GEEL	TH-228	BQ/KG	4	1,4	2,950	4	0	0	0,000	0	2,95
2020	Freshwater aquatic plants	MOL-GEEL	U-234	BQ/KG	0	0	0,000	0	4	0,3	0,370	0,47	0,37
2020	Freshwater aquatic plants	MOL-GEEL	U-235	BQ/KG	3	0,022	0,054	0,09	1	0,057	0,057	0,057	0,05
2020	Freshwater aquatic plants	MOL-GEEL	U-238	BQ/KG	0	0	0,000	0	4	0,15	0,355	0,56	0,36
2020	Freshwater aquatic plants	MOL-GEEL	ZN-65	BQ/KG	4	3,5	5,125	7	0	0	0,000	0	5,13

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	Outdoor air	MOL	BE-7	BQ/M³	0	0	0,000	0	13	0,00141	0,003	0,0065	0,003205
2020	Outdoor air	MOL	CE-141	BQ/M³	13	0,000006	0,000	0,00007	0	0	0,000	0	0,000020
2020	Outdoor air	MOL	CE-144	BQ/M³	13	0,000015	0,000	0,00008	0	0	0,000	0	0,000033
2020	Outdoor air	MOL	CO-60	BQ/M³	2	0,000004	0,000	0,000004	0	0	0,000	0	0,000004
2020	Outdoor air	MOL	CS-134	BQ/M³	13	0,000003	0,000	0,000013	0	0	0,000	0	0,000006
2020	Outdoor air	MOL	CS-137	BQ/M³	13	0,000003	0,000	0,000017	0	0	0,000	0	0,000007
2020	Outdoor air	MOL	I-131	BQ/M³	13	0,000028	0,000	0,003	0	0	0,000	0	0,000466
2020	Outdoor air	MOL	K-40	BQ/M³	10	0,00005	0,000	0,00027	3	0,000066	0,000	0,000077	0,000104
2020	Outdoor air	MOL	NB-95	BQ/M³	13	0,000006	0,000	0,000035	0	0	0,000	0	0,000015
2020	Outdoor air	MOL	PB-210	BQ/M³	0	0	0,000	0	2	0,00021	0,000	0,00022	0,000215
2020	Outdoor air	MOL	RU-103	BQ/M³	13	0,000005	0,000	0,000031	0	0	0,000	0	0,000013
2020	Outdoor air	MOL	RU-106	BQ/M³	13	0,000029	0,000	0,00014	0	0	0,000	0	0,000056
2020	Outdoor air	MOL	SE-75	BQ/M³	11	0,000003	0,000	0,00002	2	0,000003	0,000	0,000005	0,000008
2020	Outdoor air	MOL	T-ALFA	BQ/M³	83	0,00000447	0,000	0,00638	273	0,0000053	0,000	0,000092	0,000032
2020	Outdoor air	MOL	T-BETA	BQ/M³	4	0,000039	0,000	0,000043	352	0,000024	0,000	0,001335	0,000249
2020	Outdoor air	MOL	ZR-95	BQ/M³	13	0,000007	0,000	0,00004	0	0	0,000	0	0,000016

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	River sediments	MOL-GEEL	AG-110M	BQ/KG	13	0,5	2,015	4	0	0	0,000	0	2,02
2020	River sediments	MOL-GEEL	AM-241	BQ/KG	0	0	0,000	0	16	1,9	32,850	86	32,85
2020	River sediments	MOL-GEEL	BE-7	BQ/KG	5	6	19,800	40	8	12	79,375	132	56,46
2020	River sediments	MOL-GEEL	CO-57	BQ/KG	13	0,26	1,157	2,1	0	0	0,000	0	1,16
2020	River sediments	MOL-GEEL	CO-58	BQ/KG	13	0,5	2,031	3,7	0	0	0,000	0	2,03
2020	River sediments	MOL-GEEL	CO-60	BQ/KG	5	0,4	1,580	3,7	8	0,84	2,838	5,5	2,35
2020	River sediments	MOL-GEEL	CS-134	BQ/KG	13	0,36	1,597	3,1	0	0	0,000	0	1,60
2020	River sediments	MOL-GEEL	CS-137	BQ/KG	0	0	0,000	0	13	9,2	172,708	540	172,71
2020	River sediments	MOL-GEEL	I-131	BQ/KG	13	19	93,923	240	0	0	0,000	0	93,92
2020	River sediments	MOL-GEEL	K-40	BQ/KG	0	0	0,000	0	13	120	164,769	202	164,77
2020	River sediments	MOL-GEEL	MN-50	BQ/KG	13	0,38	1,568	3,2	0	0	0,000	0	1,57
2020	River sediments	MOL-GEEL	PU-238	BQ/KG	2	0,9	1,150	1,4	11	1,1	6,264	11,5	5,48
2020	River sediments	MOL-GEEL	PU(239+240)	BQ/KG	1	1,3	1,300	1,3	12	1,8	15,683	33	14,58
2020	River sediments	MOL-GEEL	RA-226	BQ/KG	0	0	0,000	0	13	20,6	55,423	120	55,42
2020	River sediments	MOL-GEEL	RA-228	BQ/KG	0	0	0,000	0	13	9,6	30,292	62	30,29
2020	River sediments	MOL-GEEL	SR-90	BQ/KG	13	2,78	4,546	7,841	0	0	0,000	0	4,55
2020	River sediments	MOL-GEEL	TC-99	BQ/KG	11	30,193	64,583	83,983	2	55,085	59,543	64	63,81
2020	River sediments	MOL-GEEL	TH-228	BQ/KG	0	0	0,000	0	13	10,2	22,215	39,1	22,22
2020	River sediments	MOL-GEEL	U-234	BQ/KG	0	0	0,000	0	13	9,3	17,077	35	17,08
2020	River sediments	MOL-GEEL	U-235	BQ/KG	5	0,7	1,040	1,3	8	0,7	1,413	2,9	1,27
2020	River sediments	MOL-GEEL	U-238	BQ/KG	0	0	0,000	0	14	7	15,179	34	15,18
2020	River sediments	MOL-GEEL	ZN-65	BQ/KG	13	1,1	4,608	8	0	0	0,000	0	4,61

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	River water	MOL-GEEL	AM-241	BQ/L	0	0	0,000	0	13	0,00036	0,001	0,0032	0,0011
2020	River water	MOL-GEEL	BE-7	BQ/L	26	0,5	1,577	2,8	0	0	0,000	0	1,58
2020	River water	MOL-GEEL	CE-141	BQ/L	26	0,13	0,354	0,6	0	0	0,000	0	0,35
2020	River water	MOL-GEEL	CE-144	BQ/L	26	0,5	1,146	2	0	0	0,000	0	1,15
2020	River water	MOL-GEEL	CS-134	BQ/L	26	0,05	0,156	0,28	0	0	0,000	0	0,16
2020	River water	MOL-GEEL	CS-137	BQ/L	26	0,008	0,166	0,28	0	0	0,000	0	0,17
2020	River water	MOL-GEEL	H-3	BQ/L	3	6,444	6,630	6,889	23	7,889	62,198	451	55,79
2020	River water	MOL-GEEL	I-131	BQ/L	26	0,13	0,595	1,5	0	0	0,000	0	0,60
2020	River water	MOL-GEEL	K-40	BQ/L	26	0,6	2,796	5	0	0	0,000	0	2,80
2020	River water	MOL-GEEL	NB-95	BQ/L	26	0,06	0,215	0,4	0	0	0,000	0	0,22
2020	River water	MOL-GEEL	PU-238	BQ/L	12	0,00008	0,000	0,00018	1	0,00022	0,000	0,00022	0,0001
2020	River water	MOL-GEEL	PU(239+240)	BQ/L	9	0,00011	0,000	0,00016	4	0,00012	0,000	0,0005	0,0002
2020	River water	MOL-GEEL	R-BETA	BQ/L	16	0,045122057	0,060	0,121	10	0,06	0,088	0,17	0,07
2020	River water	MOL-GEEL	RU-103	BQ/L	26	0,07	0,201	0,34	0	0	0,000	0	0,20
2020	River water	MOL-GEEL	RU-106	BQ/L	26	0,5	1,469	2,5	0	0	0,000	0	1,47
2020	River water	MOL-GEEL	SE-75	BQ/L	26	0,08	0,223	0,38	0	0	0,000	0	0,22
2020	River water	MOL-GEEL	T-ALFA	BQ/L	22	0,01	0,014	0,016	4	0,011	0,015	0,019	0,01
2020	River water	MOL-GEEL	T-BETA	BQ/L	0	0	0,000	0	26	0,25	0,357	0,544	0,36
2020	River water	MOL-GEEL	U-234	BQ/L	0	0	0,000	0	13	0,0017	0,003	0,0036	0,0027
2020	River water	MOL-GEEL	U-235	BQ/L	4	0,00015	0,000	0,0002	9	0,00011	0,0002	0,00031	0,0002
2020	River water	MOL-GEEL	U-238	BQ/L	0	0	0,000	0	13	0,00145	0,002	0,0029	0,0022
2020	River water	MOL-GEEL	ZR-95	BQ/L	26	0,1	0,332	0,6	0	0	0,000	0	0,33

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	Topsoil and grass	MOL	AG-110M	BQ/KG	1	0,6	0,600	0,6	0	0	0,000	0	0,6
2020	Topsoil and grass	MOL	AM-241	BQ/KG	1	0,9	0,900	0,9	0	0	0,000	0	0,9
2020	Topsoil and grass	MOL	BE-7	BQ/KG	1	5	5,000	5	0	0	0,000	0	5
2020	Topsoil and grass	MOL	CO-57	BQ/KG	1	0,7	0,700	0,7	0	0	0,000	0	0,7
2020	Topsoil and grass	MOL	CO-58	BQ/KG	1	0,5	0,500	0,5	0	0	0,000	0	0,5
2020	Topsoil and grass	MOL	CO-60	BQ/KG	1	0,4	0,400	0,4	0	0	0,000	0	0,4
2020	Topsoil and grass	MOL	CS-134	BQ/KG	1	0,5	0,500	0,5	0	0	0,000	0	0,5
2020	Topsoil and grass	MOL	CS-137	BQ/KG	0	0	0,000	0	1	2,9	2,900	2,9	2,9
2020	Topsoil and grass	MOL	I-131	BQ/KG	1	4	4,000	4	0	0	0,000	0	4
2020	Topsoil and grass	MOL	K-40	BQ/KG	0	0	0,000	0	1	187	187,000	187	187
2020	Topsoil and grass	MOL	MN-54	BQ/KG	1	0,5	0,500	0,5	0	0	0,000	0	0,5
2020	Topsoil and grass	MOL	PU-238	BQ/KG	1	0,6	0,600	0,6	0	0	0,000	0	0,6
2020	Topsoil and grass	MOL	PU(239+240)	BQ/KG	1	0,8	0,800	0,8	0	0	0,000	0	0,8
2020	Topsoil and grass	MOL	RA-226	BQ/KG	0	0	0,000	0	1	13,3	13,300	13,3	13,3
2020	Topsoil and grass	MOL	RA-228	BQ/KG	0	0	0,000	0	1	10,1	10,100	10,1	10,1
2020	Topsoil and grass	MOL	TH-228	BQ/KG	0	0	0,000	0	1	9,8	9,800	9,8	9,8
2020	Topsoil and grass	MOL	U-234	BQ/KG	0	0	0,000	0	1	7	7,000	7	7
2020	Topsoil and grass	MOL	U-235	BQ/KG	1	0,8	0,800	0,8	0	0	0,000	0	0,8
2020	Topsoil and grass	MOL	U-238	BQ/KG	0	0	0,000	0	1	8,3	8,300	8,3	8,3
2020	Topsoil and grass	MOL	ZN-65	BQ/KG	1	1,4	1,400	1,4	0	0	0,000	0	1,4

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	Total deposition filtered	MOL	BE-7	BQ/M²	3	15	22,000	31	10	7,1	32,830	82	30,33
2020	Total deposition filtered	MOL	CE-141	BQ/M²	13	1,6	4,077	7	0	0	0,000	0	4,08
2020	Total deposition filtered	MOL	CE-144	BQ/M²	13	5	11,615	19	0	0	0,000	0	11,62
2020	Total deposition filtered	MOL	CS-134	BQ/M²	13	0,5	1,577	2,7	0	0	0,000	0	1,58
2020	Total deposition filtered	MOL	CS-137	BQ/M²	13	0,08	1,644	3,1	0	0	0,000	0	1,64
2020	Total deposition filtered	MOL	H-3	BQ/M²	10	508,92	730,231	1172,6	2	399,59	991,495	1583,4	773,77
2020	Total deposition filtered	MOL	I-131	BQ/M²	13	2,9	8,138	13	0	0	0,000	0	8,14
2020	Total deposition filtered	MOL	K-40	BQ/M²	10	9	27,800	40	3	6,2	11,867	23	24,12
2020	Total deposition filtered	MOL	NB-95	BQ/M²	13	0,8	2,392	4	0	0	0,000	0	2,39
2020	Total deposition filtered	MOL	R-BETA	BQ/M²	0	0	0,000	0	13	0,6	2,838	6,5	2,84
2020	Total deposition filtered	MOL	RU-103	BQ/M²	13	0,8	2,138	3,5	0	0	0,000	0	2,14
2020	Total deposition filtered	MOL	RU-106	BQ/M²	13	5	14,385	25	0	0	0,000	0	14,38
2020	Total deposition filtered	MOL	SE-75	BQ/M²	13	0,8	2,277	4	0	0	0,000	0	2,28
2020	Total deposition filtered	MOL	T-ALFA	BQ/M²	0	0	0,000	0	13	0,212	0,567	1,28	0,57
2020	Total deposition filtered	MOL	T-BETA	BQ/M²	0	0	0,000	0	13	1,26	3,238	7,37	3,24
2020	Total deposition filtered	MOL	ZR-95	BQ/M²	13	1,1	3,362	6	0	0	0,000	0	3,36

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	Total deposition residue	MOL	BE-7	BQ/M²	0	0	0,000	0	13	9,7	29,477	60	29,48
2020	Total deposition residue	MOL	CE-141	BQ/M²	13	0,2	0,730	1,5	0	0	0,000	0	0,73
2020	Total deposition residue	MOL	CE-144	BQ/M²	13	0,5	2,000	4	0	0	0,000	0	2,00
2020	Total deposition residue	MOL	CS-134	BQ/M²	13	0,12	0,335	0,6	0	0	0,000	0	0,33
2020	Total deposition residue	MOL	CS-137	BQ/M²	13	0,16	0,382	0,7	0	0	0,000	0	0,38
2020	Total deposition residue	MOL	I-131	BQ/M²	13	0,6	2,285	8	0	0	0,000	0	2,28
2020	Total deposition residue	MOL	K-40	BQ/M²	12	2,2	6,158	10	1	3	3,000	3	5,92
2020	Total deposition residue	MOL	NB-95	BQ/M²	13	0,19	0,554	1,1	0	0	0,000	0	0,55
2020	Total deposition residue	MOL	RU-103	BQ/M²	13	0,16	0,488	1	0	0	0,000	0	0,49
2020	Total deposition residue	MOL	RU-106	BQ/M²	13	1,2	3,269	6	0	0	0,000	0	3,27

2020	Total deposition residue	MOL	SE-75	BQ/M ²	13	0,11	0,424	0,8	0	0	0,000	0	0,42
2020	Total deposition residue	MOL	T-ALFA	BQ/M ²	0	0	0,000	0	13	0,172	0,787	1,888	0,79
2020	Total deposition residue	MOL	T-BETA	BQ/M ²	0	0	0,000	0	13	0,978	3,236	7,1	3,24
2020	Total deposition residue	MOL	ZR-95	BQ/M ²	13	0,3	0,819	1,6	0	0	0,000	0	0,82

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	Wastewater	MOL-DESSEL-BELGOPROCESS	AM-241	BQ/L	0	0	0,000	0	47	0,0172	1,259	14,7	1,26
2020	Wastewater	MOL-DESSEL-BELGOPROCESS	BA-133	BQ/L	47	1,69	1,826	1,92	0	0	0,000	0	1,83
2020	Wastewater	MOL-DESSEL-BELGOPROCESS	BE-7	BQ/L	47	12,1	17,849	30,8	0	0	0,000	0	17,85
2020	Wastewater	MOL-DESSEL-BELGOPROCESS	CO-57	BQ/L	47	0,98	1,157	3,15	0	0	0,000	0	1,16
2020	Wastewater	MOL-DESSEL-BELGOPROCESS	CO-58	BQ/L	47	1,34	1,814	2,82	0	0	0,000	0	1,81
2020	Wastewater	MOL-DESSEL-BELGOPROCESS	CO-60	BQ/L	42	1,14	1,423	1,65	5	1,33	1,790	2,34	1,46
2020	Wastewater	MOL-DESSEL-BELGOPROCESS	CS-134	BQ/L	47	1,31	1,500	1,6	0	0	0,000	0	1,50
2020	Wastewater	MOL-DESSEL-BELGOPROCESS	CS-137	BQ/L	13	0,976	1,375	1,71	34	1,17	2,656	8,13	2,30
2020	Wastewater	MOL-DESSEL-BELGOPROCESS	H-3	BQ/L	0	0	0,000	0	47	1560	58320,213	284000	58320,21
2020	Wastewater	MOL-DESSEL-BELGOPROCESS	I-131	BQ/L	47	2,5	75,629	1130	0	0	0,000	0	75,63
2020	Wastewater	MOL-DESSEL-BELGOPROCESS	MN-54	BQ/L	47	1,3	1,404	1,55	0	0	0,000	0	1,40
2020	Wastewater	MOL-DESSEL-BELGOPROCESS	PU-238	BQ/L	13	0,00209	0,004	0,00617	34	0,00586	0,066	0,559	0,05
2020	Wastewater	MOL-DESSEL-BELGOPROCESS	PU(239+240)	BQ/L	1	0,00305	0,003	0,00305	46	0,0035	0,163	1,92	0,16
2020	Wastewater	MOL-DESSEL-BELGOPROCESS	RU-103	BQ/L	47	1,48	2,534	5,3	0	0	0,000	0	2,53
2020	Wastewater	MOL-DESSEL-BELGOPROCESS	RU-106	BQ/L	47	12,1	13,345	15,3	0	0	0,000	0	13,34
2020	Wastewater	MOL-DESSEL-BELGOPROCESS	SE-75	BQ/L	0	0	0,000	0	1	4,88	4,880	4,88	4,88
2020	Wastewater	MOL-DESSEL-BELGOPROCESS	SR-90	BQ/L	3	0,0296	0,176	0,409	44	0,199	1,512	6,06	1,43
2020	Wastewater	MOL-DESSEL-BELGOPROCESS	T-ALFA	BQ/L	5	0,032	0,047	0,0616	42	0,0933	1,565	18,4	1,40
2020	Wastewater	MOL-DESSEL-BELGOPROCESS	T-BETA	BQ/L	0	0	0,000	0	47	0,542	5,150	18,4	5,15
2020	Wastewater	MOL-DESSEL-BELGOPROCESS	TC-99	BQ/L	5	0,0571	0,080	0,0886	42	0,0834	0,366	2,17	0,34
2020	Wastewater	MOL-DESSEL-BELGOPROCESS	U-234	BQ/L	10	0,00599	0,008	0,0136	37	0,00728	0,070	0,829	0,06
2020	Wastewater	MOL-DESSEL-BELGOPROCESS	U-235	BQ/L	37	0,00111	0,004	0,0171	10	0,00105	0,008	0,0343	0,0046
2020	Wastewater	MOL-DESSEL-BELGOPROCESS	U-236	BQ/L	0	0	0,000	0	3	0,00484	0,025	0,0561	0,02
2020	Wastewater	MOL-DESSEL-BELGOPROCESS	U-238	BQ/L	11	0,0021	0,004	0,00704	36	0,00208	0,038	0,517	0,03

Year	Sample type	Locality	Nuclides	Unit	DL			Measurements				Global mean	
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean		Max
2020	Wastewater	MOL-DESSEL-PIEZOMETER-FBFC	AM-241	BQ/L	5	0,00202	0,003	0,00474	9	0,00265	0,008	0,028	0,01
2020	Wastewater	MOL-DESSEL-PIEZOMETER-FBFC	BA-133	BQ/L	14	1,77	1,824	1,91	0	0	0,000	0	1,82
2020	Wastewater	MOL-DESSEL-PIEZOMETER-FBFC	BE-7	BQ/L	14	11,3	13,629	14,9	0	0	0,000	0	13,63
2020	Wastewater	MOL-DESSEL-PIEZOMETER-FBFC	CO-57	BQ/L	14	0,97	1,020	1,06	0	0	0,000	0	1,02
2020	Wastewater	MOL-DESSEL-PIEZOMETER-FBFC	CO-58	BQ/L	14	1,3	1,497	1,71	0	0	0,000	0	1,50
2020	Wastewater	MOL-DESSEL-PIEZOMETER-FBFC	CO-60	BQ/L	14	1,25	1,346	1,45	0	0	0,000	0	1,35
2020	Wastewater	MOL-DESSEL-PIEZOMETER-FBFC	CS-134	BQ/L	14	1,4	1,461	1,55	0	0	0,000	0	1,46
2020	Wastewater	MOL-DESSEL-PIEZOMETER-FBFC	CS-137	BQ/L	14	1,41	1,495	1,58	0	0	0,000	0	1,50
2020	Wastewater	MOL-DESSEL-PIEZOMETER-FBFC	I-131	BQ/L	14	2	6,689	12,3	0	0	0,000	0	6,69
2020	Wastewater	MOL-DESSEL-PIEZOMETER-FBFC	MN-54	BQ/L	14	1,28	1,332	1,41	0	0	0,000	0	1,33
2020	Wastewater	MOL-DESSEL-PIEZOMETER-FBFC	PU-238	BQ/L	13	0,0024	0,004	0,00614	1	0,00258	0,003	0,00258	0,0039
2020	Wastewater	MOL-DESSEL-PIEZOMETER-FBFC	PU(239+240)	BQ/L	13	0,0029	0,004	0,00503	1	0,00597	0,006	0,00597	0,0039
2020	Wastewater	MOL-DESSEL-PIEZOMETER-FBFC	RU-103	BQ/L	14	1,41	1,754	2,03	0	0	0,000	0	1,75
2020	Wastewater	MOL-DESSEL-PIEZOMETER-FBFC	RU-106	BQ/L	14	12,4	12,864	13,5	0	0	0,000	0	12,86
2020	Wastewater	MOL-DESSEL-PIEZOMETER-FBFC	T-ALFA	BQ/L	5	0,0155	0,033	0,0482	9	0,0336	0,091	0,3	0,07
2020	Wastewater	MOL-DESSEL-PIEZOMETER-FBFC	T-BETA	BQ/L	1	0,0879	0,088	0,0879	13	0,121	0,355	1,19	0,34
2020	Wastewater	MOL-DESSEL-PIEZOMETER-FBFC	U-234	BQ/L	13	0,00581	0,008	0,0106	1	0,0076	0,008	0,0076	0,01
2020	Wastewater	MOL-DESSEL-PIEZOMETER-FBFC	U-235	BQ/L	14	0,00079	0,003	0,00713	0	0	0,000	0	0,0032
2020	Wastewater	MOL-DESSEL-PIEZOMETER-FBFC	U-238	BQ/L	13	0,00213	0,004	0,0056	1	0,00668	0,007	0,00668	0,0038

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.

The global mean is the (arithmetic) mean of all analyses that are below the detection limit and the mean of all measurements. Values expressed in Bq/kg are in Bq/kg dry matter (DL: detection limit; Sec.: Secondary; contr. areas: controlled areas).

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	AG-110M	BQ/KG	4	0,9	1,150	1,4	0	0	0,000	0	1,2
2020	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	AM-241	BQ/KG	4	0,04	0,070	0,14	0	0	0,000	0	0,1
2020	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	BE-7	BQ/KG	0	0	0,000	0	4	7,7	16,650	30	16,7
2020	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	CO-57	BQ/KG	4	0,8	0,875	1	0	0	0,000	0	0,9
2020	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	CO-58	BQ/KG	4	1,1	1,500	2,1	0	0	0,000	0	1,5
2020	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	CO-60	BQ/KG	4	1	1,250	1,7	0	0	0,000	0	1,3
2020	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	CS-134	BQ/KG	4	0,9	1,050	1,2	0	0	0,000	0	1,1
2020	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	CS-137	BQ/KG	4	0,9	1,225	1,5	0	0	0,000	0	1,2
2020	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	H-3	BQ/KG	4	10,708	13,881	19,549	0	0	0,000	0	13,9
2020	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	I-131	BQ/KG	4	9	14,750	24	0	0	0,000	0	14,8
2020	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	K-40	BQ/KG	0	0	0,000	0	4	580	872,500	1020	872,5
2020	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	MN-54	BQ/KG	4	0,9	1,200	1,6	0	0	0,000	0	1,2
2020	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	PU-238	BQ/KG	4	0,03	0,048	0,06	0	0	0,000	0	0,05
2020	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	PU(239+240)	BQ/KG	4	0,03	0,058	0,09	0	0	0,000	0	0,1
2020	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	RA-226	BQ/KG	0	0	0,000	0	4	5,5	6,600	8	6,6
2020	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	RA-228	BQ/KG	0	0	0,000	0	4	5,6	8,225	10,7	8,2
2020	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	SR-90	BQ/KG	4	4,65	6,053	7,25	0	0	0,000	0	6,1
2020	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	TC-99	BQ/KG	4	32,65	43,088	50,74	0	0	0,000	0	43,1
2020	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	TH-228	BQ/KG	3	1,5	1,700	1,9	1	1,9	1,900	1,9	1,8
2020	North Sea aquatic plants	HOOFDPLAAT-KLOOSTERZANDE	ZN-65	BQ/KG	4	2,5	3,450	5	0	0	0,000	0	3,5

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	Outdoor air	DOEL	BE-7	BQ/M ³	0	0	0,000000	0	13	0,00174	0,002497	0,0043	0,00250
2020	Outdoor air	DOEL	CE-141	BQ/M ³	13	0,000007	0,000016	0,000038	0	0	0,000	0	0,00002
2020	Outdoor air	DOEL	CE-144	BQ/M ³	13	0,000011	0,000029	0,00006	0	0	0,000	0	0,00003
2020	Outdoor air	DOEL	CO-60	BQ/M ³	1	0,000004	0,000004	0,000004	0	0	0,000	0	0,00000
2020	Outdoor air	DOEL	CS-134	BQ/M ³	13	0,000002	0,000005	0,00001	0	0	0,000	0	0,00001
2020	Outdoor air	DOEL	CS-137	BQ/M ³	13	0,000003	0,000009	0,00006	0	0	0,000	0	0,00001
2020	Outdoor air	DOEL	I-131	BQ/M ³	13	0,000034	0,000214	0,0009	0	0	0,000	0	0,00021
2020	Outdoor air	DOEL	K-40	BQ/M ³	7	0,00004	0,000109	0,00018	6	0,00005	0,000066	0,0001	0,00009
2020	Outdoor air	DOEL	NB-95	BQ/M ³	13	0,000006	0,000012	0,000023	0	0	0,000	0	0,00001
2020	Outdoor air	DOEL	PB-210	BQ/M ³	1	0,0009	0,000900	0,0009	0	0	0,000	0	0,00090
2020	Outdoor air	DOEL	RU-103	BQ/M ³	13	0,000005	0,000010	0,000019	0	0	0,000	0	0,00001
2020	Outdoor air	DOEL	RU-106	BQ/M ³	13	0,000023	0,000051	0,00009	0	0	0,000	0	0,00005
2020	Outdoor air	DOEL	SE-75	BQ/M ³	13	0,000003	0,000007	0,000013	0	0	0,000	0	0,00001
2020	Outdoor air	DOEL	T-BETA	BQ/M ³	2	0,000038	0,000039	0,00004	364	0,000024	0,000281	0,00161	0,00028
2020	Outdoor air	DOEL	ZR-95	BQ/M ³	13	0,000007	0,000015	0,000027	0	0	0,000	0	0,00001

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	AG-110M	BQ/KG	4	0,7	0,900	1,1	0	0	0,000	0	0,90
2020	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	AM-241	BQ/KG	3	0,04	0,053	0,07	1	0,06	0,060	0,06	0,06
2020	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	BE-7	BQ/KG	4	8	10,250	13	0	0	0,000	0	10,25
2020	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	CO-57	BQ/KG	4	0,31	0,585	1	0	0	0,000	0	0,59
2020	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	CO-58	BQ/KG	4	0,9	1,100	1,3	0	0	0,000	0	1,10
2020	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	CO-60	BQ/KG	4	0,8	0,900	1	0	0	0,000	0	0,90
2020	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	CS-134	BQ/KG	4	0,6	0,825	1	0	0	0,000	0	0,83

2020	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	CS-137	BQ/KG	4	0,7	0,925	1,1	0	0	0,000	0	0,93
2020	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	H-3	BQ/KG	4	11,697	13,433	15,86	0	0	0,000	0	13,43
2020	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	I-131	BQ/KG	4	8	13,250	21	0	0	0,000	0	13,25
2020	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	K-40	BQ/KG	0	0	0,000	0	4	188	200,250	219	200,25
2020	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	MN-54	BQ/KG	4	0,8	0,900	1	0	0	0,000	0	0,90
2020	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	PU-238	BQ/KG	4	0,04	0,050	0,06	0	0	0,000	0	0,05
2020	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	PU(239+240)	BQ/KG	4	0,05	0,060	0,07	0	0	0,000	0	0,06
2020	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	RA-226	BQ/KG	2	2,1	2,350	2,6	2	1,2	1,350	1,5	1,85
2020	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	RA-228	BQ/KG	4	2,9	3,550	4	0	0	0,000	0	3,55
2020	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	SR-90	BQ/KG	4	3,45	4,978	7,1	0	0	0,000	0	4,98
2020	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	TH-228	BQ/KG	2	1,7	1,950	2,2	2	0,81	1,405	2	1,68
2020	Oysters Scheldt	HOOFDPLAAT-KLOOSTERZANDE	ZN-65	BQ/KG	4	1,9	2,300	2,7	0	0	0,000	0	2,30

Year	Sample type	Locality	Nuclides	Unit	DL			Measurements				Global mean	
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean		Max
2020	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	AG-110M	BQ/KG	2	1,1	1,550	2	0	0	0,000	0	1,55
2020	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	AM-241	BQ/KG	2	0,06	0,075	0,09	0	0	0,000	0	0,08
2020	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	BE-7	BQ/KG	2	12	18,500	25	0	0	0,000	0	18,50
2020	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	CO-57	BQ/KG	2	0,5	1,200	1,9	0	0	0,000	0	1,20
2020	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	CO-58	BQ/KG	2	1,6	2,100	2,6	0	0	0,000	0	2,10
2020	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	CO-60	BQ/KG	2	1,3	1,600	1,9	0	0	0,000	0	1,60
2020	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	CS-134	BQ/KG	2	1	1,500	2	0	0	0,000	0	1,50
2020	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	CS-137	BQ/KG	2	1,3	1,650	2	0	0	0,000	0	1,65
2020	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	H-3	BQ/KG	2	19	19,750	20,5	0	0	0,000	0	19,75
2020	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	I-131	BQ/KG	2	14	47,000	80	0	0	0,000	0	47,00
2020	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	K-40	BQ/KG	0	0	0,000	0	2	350	390,000	430	390,00
2020	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	MN-54	BQ/KG	2	1,2	1,600	2	0	0	0,000	0	1,60
2020	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	PU-238	BQ/KG	2	0,08	0,125	0,17	0	0	0,000	0	0,13
2020	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	PU(239+240)	BQ/KG	2	0,07	0,105	0,14	0	0	0,000	0	0,11
2020	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	RA-226	BQ/KG	0	0	0,000	0	2	4,4	5,000	5,6	5,00
2020	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	RA-228	BQ/KG	2	5	6,500	8	0	0	0,000	0	6,50
2020	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	SR-90	BQ/KG	2	6	7,250	8,5	0	0	0,000	0	7,25
2020	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	TH-228	BQ/KG	2	1,4	2,450	3,5	0	0	0,000	0	2,45
2020	North Sea shrimps	DOEL-KIJDRECHT-KLOOSTERZANDE	ZN-65	BQ/KG	2	3,3	4,150	5	0	0	0,000	0	4,15

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	River sediments	DOEL	AG-110M	BQ/KG	12	0,8	1,417	2,5	0	0	0,000	0	1,42
2020	River sediments	DOEL	BE-7	BQ/KG	5	8	14,800	21	7	9,1	27,600	44	22,27
2020	River sediments	DOEL	CO-57	BQ/KG	12	0,36	0,772	1,4	0	0	0,000	0	0,77
2020	River sediments	DOEL	CO-58	BQ/KG	12	0,8	1,383	2,6	0	0	0,000	0	1,38
2020	River sediments	DOEL	CO-60	BQ/KG	12	0,7	1,175	2,2	0	0	0,000	0	1,18
2020	River sediments	DOEL	CS-134	BQ/KG	12	0,6	1,158	2,1	0	0	0,000	0	1,16
2020	River sediments	DOEL	CS-137	BQ/KG	0	0	0,000	0	12	3,8	5,433	9,5	5,43
2020	River sediments	DOEL	I-131	BQ/KG	12	7	19,333	50	0	0	0,000	0	19,33
2020	River sediments	DOEL	K-40	BQ/KG	0	0	0,000	0	12	490	521,667	570	521,67
2020	River sediments	DOEL	MN-54	BQ/KG	12	0,7	1,158	2,2	0	0	0,000	0	1,16
2020	River sediments	DOEL	RA-226	BQ/KG	0	0	0,000	0	12	33,8	41,308	61,5	41,31
2020	River sediments	DOEL	RA-228	BQ/KG	0	0	0,000	0	12	26,7	30,600	37,5	30,60
2020	River sediments	DOEL	TH-228	BQ/KG	0	0	0,000	0	12	30,9	33,783	41	33,78
2020	River sediments	DOEL	U-238	BQ/KG	0	0	0,000	0	2	26	31,500	37	31,50
2020	River sediments	DOEL	ZN-65	BQ/KG	12	1,9	3,375	6	0	0	0,000	0	3,38

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	River water	DOEL (LILLO)	AM-241	BQ/L	10	0,00008	0,00025	0,0006	3	0,00012	0,00017	0,00026	0,00023
2020	River water	DOEL (LILLO)	BE-7	BQ/L	26	0,6	1,473	2,2	0	0	0,000	0	1,47
2020	River water	DOEL (LILLO)	CE-141	BQ/L	26	0,14	0,333	0,6	0	0	0,000	0	0,33
2020	River water	DOEL (LILLO)	CE-144	BQ/L	26	0,5	1,096	1,8	0	0	0,000	0	1,10
2020	River water	DOEL (LILLO)	CS-134	BQ/L	26	0,06	0,154	0,23	0	0	0,000	0	0,15
2020	River water	DOEL (LILLO)	CS-137	BQ/L	26	0,009	0,164	0,25	0	0	0,000	0	0,16
2020	River water	DOEL (LILLO)	H-3	BQ/L	4	8,222	9,111	10,111	22	7,333	11,132	15,556	10,82
2020	River water	DOEL (LILLO)	I-131	BQ/L	26	0,14	0,500	1,2	0	0	0,000	0	0,50
2020	River water	DOEL (LILLO)	K-40	BQ/L	6	2,3	3,067	3,5	20	2,4	4,195	5,8	3,93
2020	River water	DOEL (LILLO)	NB-95	BQ/L	26	0,08	0,202	0,29	0	0	0,000	0	0,20
2020	River water	DOEL (LILLO)	PU-238	BQ/L	13	0,00013	0,00019	0,00029	0	0	0,000	0	0,00019
2020	River water	DOEL (LILLO)	PU(239+240)	BQ/L	13	0,00012	0,00017	0,00026	0	0	0,000	0	0,00017
2020	River water	DOEL (LILLO)	R-BETA	BQ/L	26	0,156	0,522	0,745	0	0	0,000	0	0,52
2020	River water	DOEL (LILLO)	RA-226	BQ/L	0	0	0,000	0	13	0,0123	0,016	0,024	0,02
2020	River water	DOEL (LILLO)	RU-103	BQ/L	26	0,08	0,186	0,29	0	0	0,000	0	0,19
2020	River water	DOEL (LILLO)	RU-106	BQ/L	26	0,6	1,431	2,3	0	0	0,000	0	1,43
2020	River water	DOEL (LILLO)	SE-75	BQ/L	26	0,09	0,211	0,32	0	0	0,000	0	0,21
2020	River water	DOEL (LILLO)	SR-90	BQ/L	16	0,01	0,024	0,05	0	0	0,000	0	0,02
2020	River water	DOEL (LILLO)	T-ALFA	BQ/L	21	0,03	0,100	0,138	5	0,088	0,135	0,172	0,11
2020	River water	DOEL (LILLO)	T-BETA	BQ/L	0	0	0,000	0	26	0,66	3,762	5,607	3,76
2020	River water	DOEL (LILLO)	U-234	BQ/L	0	0	0,000	0	13	0,0152	0,023	0,029	0,02
2020	River water	DOEL (LILLO)	U-235	BQ/L	0	0	0,000	0	13	0,00065	0,0010	0,0012	0,0010
2020	River water	DOEL (LILLO)	U-238	BQ/L	0	0	0,000	0	13	0,0139	0,020	0,025	0,02
2020	River water	DOEL (LILLO)	ZR-95	BQ/L	26	0,12	0,309	0,5	0	0	0,000	0	0,31

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	Topsoil and grass	DOEL	AG-110M	BQ/KG	1	1,2	1,200	1,2	0	0	0,000	0	1,20
2020	Topsoil and grass	DOEL	BE-7	BQ/KG	1	11	11,000	11	0	0	0,000	0	11,00
2020	Topsoil and grass	DOEL	CO-57	BQ/KG	1	1,3	1,300	1,3	0	0	0,000	0	1,30
2020	Topsoil and grass	DOEL	CO-58	BQ/KG	1	1,1	1,100	1,1	0	0	0,000	0	1,10
2020	Topsoil and grass	DOEL	CO-60	BQ/KG	1	0,8	0,800	0,8	0	0	0,000	0	0,80
2020	Topsoil and grass	DOEL	CS-134	BQ/KG	1	1,1	1,100	1,1	0	0	0,000	0	1,10
2020	Topsoil and grass	DOEL	CS-137	BQ/KG	0	0	0,000	0	1	5,1	5,100	5,1	5,10
2020	Topsoil and grass	DOEL	I-131	BQ/KG	1	16	16,000	16	0	0	0,000	0	16,00
2020	Topsoil and grass	DOEL	K-40	BQ/KG	0	0	0,000	0	1	490	490,000	490	490,00
2020	Topsoil and grass	DOEL	MN-54	BQ/KG	1	0,9	0,900	0,9	0	0	0,000	0	0,90
2020	Topsoil and grass	DOEL	RA-226	BQ/KG	0	0	0,000	0	1	26,8	26,800	26,8	26,80
2020	Topsoil and grass	DOEL	RA-228	BQ/KG	0	0	0,000	0	1	28,5	28,500	28,5	28,50
2020	Topsoil and grass	DOEL	TH-228	BQ/KG	0	0	0,000	0	1	29,6	29,600	29,6	29,60
2020	Topsoil and grass	DOEL	ZN-65	BQ/KG	1	2,8	2,800	2,8	0	0	0,000	0	2,80

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	Total deposition filtered	DOEL	BE-7	BQ/M²	2	15	16,000	17	11	6,9	24,645	61	23,32
2020	Total deposition filtered	DOEL	CE-141	BQ/M²	13	1,5	3,462	5	0	0	0,000	0	3,46
2020	Total deposition filtered	DOEL	CE-144	BQ/M²	13	5	9,769	14	0	0	0,000	0	9,77
2020	Total deposition filtered	DOEL	CS-134	BQ/M²	13	0,6	1,338	2,1	0	0	0,000	0	1,34
2020	Total deposition filtered	DOEL	CS-137	BQ/M²	13	0,7	1,454	2,1	0	0	0,000	0	1,45
2020	Total deposition filtered	DOEL	H-3	BQ/M²	13	306,24	837,322	1680	0	0	0,000	0	837,32
2020	Total deposition filtered	DOEL	I-131	BQ/M²	13	2,1	7,085	12	0	0	0,000	0	7,08
2020	Total deposition filtered	DOEL	K-40	BQ/M²	12	10	23,500	34	1	23	23,000	23	23,46

2020	Total deposition filtered	DOEL	NB-95	BQ/M ²	13	0,8	2,008	3,1	0	0	0,000	0	2,01
2020	Total deposition filtered	DOEL	R-BETA	BQ/M ²	0	0	0,000	0	13	1,3	2,815	5,6	2,82
2020	Total deposition filtered	DOEL	RU-103	BQ/M ²	13	0,8	1,877	2,7	0	0	0,000	0	1,88
2020	Total deposition filtered	DOEL	RU-106	BQ/M ²	13	6	12,615	18	0	0	0,000	0	12,62
2020	Total deposition filtered	DOEL	SE-75	BQ/M ²	13	0,9	1,962	2,8	0	0	0,000	0	1,96
2020	Total deposition filtered	DOEL	T-ALFA	BQ/M ²	0	0	0,000	0	13	0,241	0,493	0,936	0,49
2020	Total deposition filtered	DOEL	T-BETA	BQ/M ²	0	0	0,000	0	13	1,62	3,465	6,93	3,47
2020	Total deposition filtered	DOEL	ZR-95	BQ/M ²	13	1,3	2,877	4	0	0	0,000	0	2,88

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	Total deposition residue	DOEL	BE-7	BQ/M ²	0	0	0,000	0	13	7,7	27,585	77	27,58
2020	Total deposition residue	DOEL	CE-141	BQ/M ²	13	0,2	0,598	1,1	0	0	0,000	0	0,60
2020	Total deposition residue	DOEL	CE-144	BQ/M ²	13	0,6	1,631	3	0	0	0,000	0	1,63
2020	Total deposition residue	DOEL	CS-134	BQ/M ²	13	0,13	0,287	0,5	0	0	0,000	0	0,29
2020	Total deposition residue	DOEL	CS-137	BQ/M ²	13	0,15	0,338	0,6	0	0	0,000	0	0,34
2020	Total deposition residue	DOEL	I-131	BQ/M ²	13	0,5	1,754	3	0	0	0,000	0	1,75
2020	Total deposition residue	DOEL	K-40	BQ/M ²	10	3,1	6,390	10	3	3,2	3,567	4,2	5,74
2020	Total deposition residue	DOEL	NB-95	BQ/M ²	13	0,21	0,448	0,8	0	0	0,000	0	0,45
2020	Total deposition residue	DOEL	RU-103	BQ/M ²	13	0,18	0,426	0,8	0	0	0,000	0	0,43
2020	Total deposition residue	DOEL	RU-106	BQ/M ²	13	1,3	2,777	5	0	0	0,000	0	2,78
2020	Total deposition residue	DOEL	SE-75	BQ/M ²	13	0,12	0,342	0,6	0	0	0,000	0	0,34
2020	Total deposition residue	DOEL	T-ALFA	BQ/M ²	0	0	0,000	0	13	0,184	1,078	3,57	1,08
2020	Total deposition residue	DOEL	T-BETA	BQ/M ²	0	0	0,000	0	13	0,618	3,445	7,86	3,44
2020	Total deposition residue	DOEL	ZR-95	BQ/M ²	13	0,31	0,684	1,3	0	0	0,000	0	0,68

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	Wastewater	DOEL-Wastewater from contr. areas	AG-110M	BQ/L	7	1,2	1,700	2,3	6	0,91	3,255	5,8	2,42
2020	Wastewater	DOEL-Wastewater from contr. areas	BE-7	BQ/L	13	3,5	11,346	19	0	0	0,000	0	11,35
2020	Wastewater	DOEL-Wastewater from contr. areas	CE-141	BQ/L	13	0,4	2,277	4	0	0	0,000	0	2,28
2020	Wastewater	DOEL-Wastewater from contr. areas	CE-144	BQ/L	13	1,4	6,215	10	0	0	0,000	0	6,22
2020	Wastewater	DOEL-Wastewater from contr. areas	CO-57	BQ/L	13	0,18	0,792	1,3	0	0	0,000	0	0,79
2020	Wastewater	DOEL-Wastewater from contr. areas	CO-58	BQ/L	8	0,8	1,513	2,2	5	0,55	2,130	3,2	1,75
2020	Wastewater	DOEL-Wastewater from contr. areas	CO-60	BQ/L	5	1,1	1,380	1,8	8	0,83	2,339	6,1	1,97
2020	Wastewater	DOEL-Wastewater from contr. areas	CR-51	BQ/L	13	3,2	14,708	29	0	0	0,000	0	14,71
2020	Wastewater	DOEL-Wastewater from contr. areas	CS-134	BQ/L	13	0,5	1,115	1,9	0	0	0,000	0	1,12
2020	Wastewater	DOEL-Wastewater from contr. areas	CS-137	BQ/L	4	0,6	1,100	1,4	9	0,97	5,173	16,8	3,92
2020	Wastewater	DOEL-Wastewater from contr. areas	FE-59	BQ/L	13	0,9	2,638	5	0	0	0,000	0	2,64
2020	Wastewater	DOEL-Wastewater from contr. areas	H-3	BQ/L	0	0	0,000	0	13	115370	485189,231	1277380	485189,23
2020	Wastewater	DOEL-Wastewater from contr. areas	I-131	BQ/L	13	0,34	7,934	26	0	0	0,000	0	7,93
2020	Wastewater	DOEL-Wastewater from contr. areas	MN-54	BQ/L	13	0,5	1,031	1,7	0	0	0,000	0	1,03
2020	Wastewater	DOEL-Wastewater from contr. areas	NB-95	BQ/L	13	0,6	1,654	2,8	0	0	0,000	0	1,65
2020	Wastewater	DOEL-Wastewater from contr. areas	RU-103	BQ/L	13	0,5	1,477	2,7	0	0	0,000	0	1,48
2020	Wastewater	DOEL-Wastewater from contr. areas	RU-106	BQ/L	13	4	9,385	16	0	0	0,000	0	9,38
2020	Wastewater	DOEL-Wastewater from contr. areas	SB-124	BQ/L	6	1,1	1,633	2,4	7	0,41	4,577	12,2	3,22
2020	Wastewater	DOEL-Wastewater from contr. areas	SB-125	BQ/L	10	1,1	3,400	6	3	1,18	8,527	21	4,58
2020	Wastewater	DOEL-Wastewater from contr. areas	SN-113	BQ/L	13	0,5	1,500	2,6	0	0	0,000	0	1,50
2020	Wastewater	DOEL-Wastewater from contr. areas	TE-123M	BQ/L	9	0,25	1,061	1,6	4	0,46	1,010	1,35	1,05
2020	Wastewater	DOEL-Wastewater from contr. areas	ZN-65	BQ/L	13	1	2,377	4	0	0	0,000	0	2,38
2020	Wastewater	DOEL-Wastewater from contr. areas	ZR-95	BQ/L	13	0,8	2,208	3,7	0	0	0,000	0	2,21

Year	Sample type	Locality	Nuclides	Unit	DL			Measurements				Global mean	
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean		Max
2020	Wastewater	DOEL-Sec. wastewater from contr. areas	AG-110M	BQ/L	13	0,5	1,062	2	0	0	0,000	0	1,06
2020	Wastewater	DOEL-Sec. wastewater from contr. areas	BE-7	BQ/L	13	5	11,077	19	0	0	0,000	0	11,08
2020	Wastewater	DOEL-Sec. wastewater from contr. areas	CE-141	BQ/L	13	0,9	2,377	4	0	0	0,000	0	2,38
2020	Wastewater	DOEL-Sec. wastewater from contr. areas	CE-144	BQ/L	13	2	6,615	11	0	0	0,000	0	6,62
2020	Wastewater	DOEL-Sec. wastewater from contr. areas	CO-57	BQ/L	13	0,24	0,865	1,4	0	0	0,000	0	0,86
2020	Wastewater	DOEL-Sec. wastewater from contr. areas	CO-58	BQ/L	12	0,6	1,242	2	1	1,27	1,270	1,27	1,24
2020	Wastewater	DOEL-Sec. wastewater from contr. areas	CO-60	BQ/L	12	0,5	0,992	1,7	1	2,38	2,380	2,38	1,10
2020	Wastewater	DOEL-Sec. wastewater from contr. areas	CR-51	BQ/L	13	6	14,846	27	0	0	0,000	0	14,85
2020	Wastewater	DOEL-Sec. wastewater from contr. areas	CS-134	BQ/L	13	0,5	1,031	1,8	0	0	0,000	0	1,03
2020	Wastewater	DOEL-Sec. wastewater from contr. areas	CS-137	BQ/L	12	0,6	1,117	1,8	1	10,5	10,500	10,5	1,84
2020	Wastewater	DOEL-Sec. wastewater from contr. areas	FE-59	BQ/L	13	1,2	2,708	5	0	0	0,000	0	2,71
2020	Wastewater	DOEL-Sec. wastewater from contr. areas	H-3	BQ/L	0	0	0,000	0	13	13,222	26,786	48,778	26,79
2020	Wastewater	DOEL-Sec. wastewater from contr. areas	I-131	BQ/L	13	0,6	7,808	16	0	0	0,000	0	7,81
2020	Wastewater	DOEL-Sec. wastewater from contr. areas	MN-54	BQ/L	13	0,6	1,023	1,7	0	0	0,000	0	1,02
2020	Wastewater	DOEL-Sec. wastewater from contr. areas	NB-95	BQ/L	13	0,7	1,577	2,7	0	0	0,000	0	1,58
2020	Wastewater	DOEL-Sec. wastewater from contr. areas	RU-103	BQ/L	13	0,7	1,454	2,6	0	0	0,000	0	1,45
2020	Wastewater	DOEL-Sec. wastewater from contr. areas	RU-106	BQ/L	13	5	9,538	16	0	0	0,000	0	9,54
2020	Wastewater	DOEL-Sec. wastewater from contr. areas	SB-124	BQ/L	12	0,4	1,250	2,1	1	15,9	15,900	15,9	2,38
2020	Wastewater	DOEL-Sec. wastewater from contr. areas	SB-125	BQ/L	13	1,4	3,023	5	0	0	0,000	0	3,02
2020	Wastewater	DOEL-Sec. wastewater from contr. areas	SN-113	BQ/L	13	0,7	1,500	2,5	0	0	0,000	0	1,50
2020	Wastewater	DOEL-Sec. wastewater from contr. areas	TE-123M	BQ/L	12	0,33	0,986	1,6	1	0,73	0,730	0,73	0,97
2020	Wastewater	DOEL-Sec. wastewater from contr. areas	ZN-65	BQ/L	13	1,2	2,346	4	0	0	0,000	0	2,35
2020	Wastewater	DOEL-Sec. wastewater from contr. areas	ZR-95	BQ/L	13	1,1	2,223	3,9	0	0	0,000	0	2,22

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

The global mean is the (arithmetic) mean of all analyses that are below the detection limit and the mean of all measurements. Values expressed in Bq/kg are in Bq/kg dry matter (DL: detection limit).

Year	Sample type	Locality	Nuclides	Unit	DL			Measurements				Global mean	
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean		Max
2020	Outdoor air	BRUSSELS	BE-7	BQ/M³	0	0	0,00000	0	13	0,00196	0,00335	0,00502	0,00335
2020	Outdoor air	BRUSSELS	CE-141	BQ/M³	13	0,00002	0,00005	0,0000773	0	0	0,00000	0	0,00005
2020	Outdoor air	BRUSSELS	CE-144	BQ/M³	13	0,0000574	0,00006	0,000068	0	0	0,00000	0	0,00006
2020	Outdoor air	BRUSSELS	CS-134	BQ/M³	13	0,0000192	0,00002	0,0000219	0	0	0,00000	0	0,00002
2020	Outdoor air	BRUSSELS	CS-137	BQ/M³	13	0,0000165	0,00002	0,0000185	0	0	0,00000	0	0,00002
2020	Outdoor air	BRUSSELS	I-131	BQ/M³	13	0,0000472	0,00307	0,0107	0	0	0,00000	0	0,00307
2020	Outdoor air	BRUSSELS	K-40	BQ/M³	0	0	0,00000	0	13	0,000768	0,00097	0,0012	0,00097
2020	Outdoor air	BRUSSELS	NB-95	BQ/M³	13	0,0000217	0,00005	0,0000775	0	0	0,00000	0	0,00005
2020	Outdoor air	BRUSSELS	RU-103	BQ/M³	13	0,000018	0,00004	0,0000539	0	0	0,00000	0	0,00004
2020	Outdoor air	BRUSSELS	RU-106	BQ/M³	13	0,000149	0,00017	0,000177	0	0	0,00000	0	0,00017
2020	Outdoor air	BRUSSELS	T-BETA	BQ/M³	37	0,000191	0,00021	0,000249	329	0,000205	0,00054	0,00305	0,00050
2020	Outdoor air	BRUSSELS	ZR-95	BQ/M³	13	0,0000324	0,00005	0,0000682	0	0	0,00000	0	0,00005

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	Topsoil and grass	BRUSSELS	AG-110M	BQ/KG	1	1,54	1,540	1,54	0	0	0,000	0	1,5
2020	Topsoil and grass	BRUSSELS	BE-7	BQ/KG	1	18,7	18,700	18,7	0	0	0,000	0	18,7
2020	Topsoil and grass	BRUSSELS	CO-57	BQ/KG	1	0,787	0,787	0,787	0	0	0,000	0	0,8
2020	Topsoil and grass	BRUSSELS	CO-58	BQ/KG	1	2	2,000	2	0	0	0,000	0	2,0
2020	Topsoil and grass	BRUSSELS	CO-60	BQ/KG	1	1,43	1,430	1,43	0	0	0,000	0	1,4
2020	Topsoil and grass	BRUSSELS	CS-134	BQ/KG	1	1,13	1,130	1,13	0	0	0,000	0	1,1
2020	Topsoil and grass	BRUSSELS	CS-137	BQ/KG	0	0	0,000	0	1	4,79	4,790	4,79	4,8
2020	Topsoil and grass	BRUSSELS	I-131	BQ/KG	1	182	182,000	182	0	0	0,000	0	182,0
2020	Topsoil and grass	BRUSSELS	K-40	BQ/KG	0	0	0,000	0	1	457	457,000	457	457,0
2020	Topsoil and grass	BRUSSELS	MN-54	BQ/KG	1	1,39	1,390	1,39	0	0	0,000	0	1,4
2020	Topsoil and grass	BRUSSELS	RA-226	BQ/KG	0	0	0,000	0	1	46,1	46,100	46,1	46,1
2020	Topsoil and grass	BRUSSELS	RA-228	BQ/KG	0	0	0,000	0	1	31,6	31,600	31,6	31,6
2020	Topsoil and grass	BRUSSELS	RU-106	BQ/KG	1	10,7	10,700	10,7	0	0	0,000	0	10,7
2020	Topsoil and grass	BRUSSELS	SB-125	BQ/KG	1	3,35	3,350	3,35	0	0	0,000	0	3,4
2020	Topsoil and grass	BRUSSELS	TH-228	BQ/KG	0	0	0,000	0	1	36,4	36,400	36,4	36,4
2020	Topsoil and grass	BRUSSELS	ZN-65	BQ/KG	1	3,58	3,580	3,58	0	0	0,000	0	3,6

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	Total deposition filtered	BRUSSELS	BE-7	BQ/M²	7	15,7	18,314	24	6	12,2	30,217	46,5	23,81
2020	Total deposition filtered	BRUSSELS	CE-141	BQ/M²	13	1,99	4,212	7,82	0	0	0,000	0	4,21
2020	Total deposition filtered	BRUSSELS	CE-144	BQ/M²	13	5,22	10,185	11,6	0	0	0,000	0	10,18
2020	Total deposition filtered	BRUSSELS	CS-134	BQ/M²	13	0,778	1,454	1,6	0	0	0,000	0	1,45
2020	Total deposition filtered	BRUSSELS	CS-137	BQ/M²	13	0,853	1,543	1,75	0	0	0,000	0	1,54
2020	Total deposition filtered	BRUSSELS	H-3	BQ/M²	12	41,5	252,133	453	1	274	274,000	274	253,82
2020	Total deposition filtered	BRUSSELS	I-131	BQ/M²	13	5,81	24,416	131	0	0	0,000	0	24,42
2020	Total deposition filtered	BRUSSELS	K-40	BQ/M²	8	0,965	1,791	2,57	5	0,394	1,007	2,41	1,49
2020	Total deposition filtered	BRUSSELS	NB-95	BQ/M²	13	1,36	2,605	4,04	0	0	0,000	0	2,60
2020	Total deposition filtered	BRUSSELS	R-BETA	BQ/L	9	0,0167	0,017	0,0169	4	0,0209	0,043	0,0979	0,02
2020	Total deposition filtered	BRUSSELS	RU-103	BQ/M²	13	1,12	2,226	3,33	0	0	0,000	0	2,23
2020	Total deposition filtered	BRUSSELS	RU-106	BQ/M²	13	7,42	13,909	15,3	0	0	0,000	0	13,91
2020	Total deposition filtered	BRUSSELS	T-ALFA	BQ/M²	1	0,0679	0,068	0,0679	12	0,0484	0,193	0,466	0,18
2020	Total deposition filtered	BRUSSELS	T-BETA	BQ/M²	0	0	0,000	0	13	0,846	1,950	4,59	1,95
2020	Total deposition filtered	BRUSSELS	ZR-95	BQ/M²	13	1,89	3,475	4,03	0	0	0,000	0	3,48

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	Total deposition residue	BRUSSELS	BE-7	BQ/M²	1	9,05	9,050	9,05	12	11,2	19,117	39,8	18,34
2020	Total deposition residue	BRUSSELS	CE-141	BQ/M²	13	0,811	1,580	2,06	0	0	0,000	0	1,58
2020	Total deposition residue	BRUSSELS	CE-144	BQ/M²	13	1,95	3,388	4,7	0	0	0,000	0	3,39
2020	Total deposition residue	BRUSSELS	CS-134	BQ/M²	13	0,419	0,668	0,893	0	0	0,000	0	0,67
2020	Total deposition residue	BRUSSELS	CS-137	BQ/M²	13	0,388	0,655	0,883	0	0	0,000	0	0,65
2020	Total deposition residue	BRUSSELS	I-131	BQ/M²	13	3,58	9,661	20,3	0	0	0,000	0	9,66
2020	Total deposition residue	BRUSSELS	K-40	BQ/M²	13	5,7	8,875	12	0	0	0,000	0	8,88
2020	Total deposition residue	BRUSSELS	NB-95	BQ/M²	13	0,643	1,121	1,49	0	0	0,000	0	1,12
2020	Total deposition residue	BRUSSELS	RU-103	BQ/M²	13	0,595	1,006	1,31	0	0	0,000	0	1,01
2020	Total deposition residue	BRUSSELS	RU-106	BQ/M²	13	3,67	5,967	8,04	0	0	0,000	0	5,97
2020	Total deposition residue	BRUSSELS	T-ALFA	BQ/M²	0	0	0,000	0	13	0,581	1,876	11,1	1,88
2020	Total deposition residue	BRUSSELS	T-BETA	BQ/M²	0	0	0,000	0	13	1,86	5,508	28,2	5,51
2020	Total deposition residue	BRUSSELS	ZR-95	BQ/M²	13	0,84	1,445	1,97	0	0	0,000	0	1,45

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

The global mean is the (arithmetic) mean of all analyses that are below the detection limit and the mean of all measurements. Values expressed in Bq/kg are in Bq/kg dry matter (DL: detection limit).

Year	Sample type	Locality	Nuclides	Unit	DL			Measurements				Global mean	
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean		Max
2020	North Sea shrimps	OOSTENDE	AG-110M	BQ/KG	4	0,4	0,500	0,6	0	0	0,000	0	0,5
2020	North Sea shrimps	OOSTENDE	AM-241	BQ/KG	4	0,026	0,044	0,05	0	0	0,000	0	0,04
2020	North Sea shrimps	OOSTENDE	BE-7	BQ/KG	4	5	5,750	7	0	0	0,000	0	5,8
2020	North Sea shrimps	OOSTENDE	CO-57	BQ/KG	4	0,24	0,350	0,5	0	0	0,000	0	0,4
2020	North Sea shrimps	OOSTENDE	CO-58	BQ/KG	4	0,5	0,625	0,7	0	0	0,000	0	0,6
2020	North Sea shrimps	OOSTENDE	CO-60	BQ/KG	4	0,4	0,550	0,7	0	0	0,000	0	0,6
2020	North Sea shrimps	OOSTENDE	CS-134	BQ/KG	4	0,36	0,490	0,6	0	0	0,000	0	0,5
2020	North Sea shrimps	OOSTENDE	CS-137	BQ/KG	4	0,4	0,550	0,6	0	0	0,000	0	0,6
2020	North Sea shrimps	OOSTENDE	H-3	BQ/KG	4	12,232	13,357	14,983	0	0	0,000	0	13,4
2020	North Sea shrimps	OOSTENDE	I-131	BQ/KG	4	5	8,250	11	0	0	0,000	0	8,3
2020	North Sea shrimps	OOSTENDE	K-40	BQ/KG	0	0	0,000	0	4	87	154,500	238	154,5
2020	North Sea shrimps	OOSTENDE	MN-54	BQ/KG	4	0,4	0,525	0,6	0	0	0,000	0	0,5
2020	North Sea shrimps	OOSTENDE	PU-238	BQ/KG	4	0,025	0,051	0,07	0	0	0,000	0	0,1
2020	North Sea shrimps	OOSTENDE	PU(239+240)	BQ/KG	4	0,023	0,046	0,07	0	0	0,000	0	0,05
2020	North Sea shrimps	OOSTENDE	RA-226	BQ/KG	4	0,8	1,000	1,3	0	0	0,000	0	1,0
2020	North Sea shrimps	OOSTENDE	RA-228	BQ/KG	4	1,5	2,075	2,5	0	0	0,000	0	2,1
2020	North Sea shrimps	OOSTENDE	SR-90	BQ/KG	4	2,14	3,204	5,16	0	0	0,000	0	3,2
2020	North Sea shrimps	OOSTENDE	TH-228	BQ/KG	4	0,7	0,850	1,1	0	0	0,000	0	0,9
2020	North Sea shrimps	OOSTENDE	TH-234	BQ/KG	1	9	9,000	9	0	0	0,000	0	9,0
2020	North Sea shrimps	OOSTENDE	ZN-65	BQ/KG	4	1,1	1,325	1,5	0	0	0,000	0	1,3

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	North Sea aquatic plants	OOSTENDE	AG-110M	BQ/KG	4	0,5	0,925	1,2	0	0	0,000	0	0,9
2020	North Sea aquatic plants	OOSTENDE	AM-241	BQ/KG	4	0,05	0,088	0,15	0	0	0,000	0	0,1
2020	North Sea aquatic plants	OOSTENDE	BE-7	BQ/KG	1	11	11,000	11	3	10,7	22,900	45	19,9
2020	North Sea aquatic plants	OOSTENDE	CO-57	BQ/KG	4	0,27	0,668	1,1	0	0	0,000	0	0,7
2020	North Sea aquatic plants	OOSTENDE	CO-58	BQ/KG	4	0,8	1,300	1,7	0	0	0,000	0	1,3
2020	North Sea aquatic plants	OOSTENDE	CO-60	BQ/KG	4	0,7	1,175	1,6	0	0	0,000	0	1,2
2020	North Sea aquatic plants	OOSTENDE	CS-134	BQ/KG	4	0,4	0,850	1,1	0	0	0,000	0	0,9
2020	North Sea aquatic plants	OOSTENDE	CS-137	BQ/KG	4	0,6	1,000	1,2	0	0	0,000	0	1,0
2020	North Sea aquatic plants	OOSTENDE	H-3	BQ/KG	4	12,278	14,033	18,193	0	0	0,000	0	14,0
2020	North Sea aquatic plants	OOSTENDE	I-131	BQ/KG	2	11	19,500	28	2	32	32,500	33	26,0
2020	North Sea aquatic plants	OOSTENDE	K-40	BQ/KG	0	0	0,000	0	4	1000	1105,000	1240	1105,0
2020	North Sea aquatic plants	OOSTENDE	MN-54	BQ/KG	4	0,6	1,050	1,4	0	0	0,000	0	1,1
2020	North Sea aquatic plants	OOSTENDE	PU-238	BQ/KG	4	0,04	0,040	0,04	0	0	0,000	0	0,04
2020	North Sea aquatic plants	OOSTENDE	PU(239+240)	BQ/KG	4	0,03	0,043	0,05	0	0	0,000	0	0,04
2020	North Sea aquatic plants	OOSTENDE	RA-226	BQ/KG	0	0	0,000	0	4	2,2	3,825	5,8	3,8
2020	North Sea aquatic plants	OOSTENDE	RA-228	BQ/KG	1	5	5,000	5	3	5,9	6,767	8,1	6,3
2020	North Sea aquatic plants	OOSTENDE	SR-90	BQ/KG	4	2,73	4,650	8,66	0	0	0,000	0	4,7
2020	North Sea aquatic plants	OOSTENDE	TC-99	BQ/KG	4	34,119	48,324	66,061	0	0	0,000	0	48,3
2020	North Sea aquatic plants	OOSTENDE	TH-228	BQ/KG	3	1,3	1,900	2,5	1	0,86	0,860	0,86	1,6
2020	North Sea aquatic plants	OOSTENDE	U-238	BQ/KG	0	0	0,000	0	1	6,5	6,500	6,5	6,5
2020	North Sea aquatic plants	OOSTENDE	ZN-65	BQ/KG	4	1,9	3,050	4	0	0	0,000	0	3,1

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	North Sea mussels	OOSTENDE	AG-110M	BQ/KG	4	0,27	0,493	0,7	0	0	0,000	0	0,5
2020	North Sea mussels	OOSTENDE	AM-241	BQ/KG	4	0,029	0,047	0,06	0	0	0,000	0	0,05
2020	North Sea mussels	OOSTENDE	BE-7	BQ/KG	3	6	7,000	9	1	6	6,000	6	6,8
2020	North Sea mussels	OOSTENDE	CO-57	BQ/KG	4	0,13	0,433	0,6	0	0	0,000	0	0,4
2020	North Sea mussels	OOSTENDE	CO-58	BQ/KG	4	0,33	0,658	1	0	0	0,000	0	0,7
2020	North Sea mussels	OOSTENDE	CO-60	BQ/KG	4	0,34	0,535	0,8	0	0	0,000	0	0,5
2020	North Sea mussels	OOSTENDE	CS-134	BQ/KG	4	0,22	0,480	0,7	0	0	0,000	0	0,5
2020	North Sea mussels	OOSTENDE	CS-137	BQ/KG	4	0,29	0,523	0,7	0	0	0,000	0	0,5
2020	North Sea mussels	OOSTENDE	H-3	BQ/KG	4	11,541	13,305	14,47	0	0	0,000	0	13,3
2020	North Sea mussels	OOSTENDE	I-131	BQ/KG	4	2,3	8,825	15	0	0	0,000	0	8,8
2020	North Sea mussels	OOSTENDE	K-40	BQ/KG	0	0	0,000	0	4	157	177,250	227	177,3
2020	North Sea mussels	OOSTENDE	MN-54	BQ/KG	4	0,29	0,498	0,7	0	0	0,000	0	0,5
2020	North Sea mussels	OOSTENDE	PU-238	BQ/KG	4	0,04	0,045	0,05	0	0	0,000	0	0,05
2020	North Sea mussels	OOSTENDE	PU(239+240)	BQ/KG	4	0,05	0,053	0,06	0	0	0,000	0	0,1
2020	North Sea mussels	OOSTENDE	RA-226	BQ/KG	2	1	1,350	1,7	2	0,41	0,805	1,2	1,1
2020	North Sea mussels	OOSTENDE	RA-228	BQ/KG	4	1,2	2,125	3,3	0	0	0,000	0	2,1
2020	North Sea mussels	OOSTENDE	SR-90	BQ/KG	4	2,47	3,787	5,4	0	0	0,000	0	3,8
2020	North Sea mussels	OOSTENDE	TH-228	BQ/KG	3	0,9	1,400	2,2	1	2,4	2,400	2,4	1,7
2020	North Sea mussels	OOSTENDE	ZN-65	BQ/KG	4	0,7	1,350	2,2	0	0	0,000	0	1,4

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	North Sea sediments	NORTH SEA	AG-110M	BQ/KG	16	0,24	0,531	0,8	0	0	0,000	0	0,53
2020	North Sea sediments	NORTH SEA	BE-7	BQ/KG	16	3,2	7,263	13	0	0	0,000	0	7,26
2020	North Sea sediments	NORTH SEA	CO-57	BQ/KG	16	0,18	0,592	1,1	0	0	0,000	0	0,59
2020	North Sea sediments	NORTH SEA	CO-58	BQ/KG	16	0,37	0,717	1,2	0	0	0,000	0	0,72
2020	North Sea sediments	NORTH SEA	CO-60	BQ/KG	16	0,26	0,491	0,9	0	0	0,000	0	0,49
2020	North Sea sediments	NORTH SEA	CS-134	BQ/KG	16	0,22	0,530	0,9	0	0	0,000	0	0,53
2020	North Sea sediments	NORTH SEA	CS-137	BQ/KG	16	0,25	0,486	0,9	0	0	0,000	0	0,49
2020	North Sea sediments	NORTH SEA	I-131	BQ/KG	16	10	66,688	400	0	0	0,000	0	66,69
2020	North Sea sediments	NORTH SEA	K-40	BQ/KG	0	0	0,000	0	16	159	219,625	266	219,63
2020	North Sea sediments	NORTH SEA	MN-54	BQ/KG	16	0,27	0,536	0,8	0	0	0,000	0	0,54
2020	North Sea sediments	NORTH SEA	PU-238	BQ/KG	13	0,22	0,390	1	0	0	0,000	0	0,39
2020	North Sea sediments	NORTH SEA	PU(239+240)	BQ/KG	13	0,3	0,362	0,8	0	0	0,000	0	0,36
2020	North Sea sediments	NORTH SEA	RA-226	BQ/KG	0	0	0,000	0	16	4,85	7,541	12,7	7,54
2020	North Sea sediments	NORTH SEA	RA-228	BQ/KG	0	0	0,000	0	16	3,6	7,394	13,6	7,39
2020	North Sea sediments	NORTH SEA	TH-228	BQ/KG	0	0	0,000	0	16	4,5	7,706	14,1	7,71
2020	North Sea sediments	NORTH SEA	ZN-65	BQ/KG	16	0,7	1,481	2,4	0	0	0,000	0	1,48

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	North Sea water	NORTH SEA	AG-110M	BQ/L	20	0,024	0,065	0,11	0	0	0,000	0	0,07
2020	North Sea water	NORTH SEA	BE-7	BQ/L	20	0,3	0,810	1,5	0	0	0,000	0	0,81
2020	North Sea water	NORTH SEA	CO-57	BQ/L	20	0,027	0,060	0,1	0	0	0,000	0	0,06
2020	North Sea water	NORTH SEA	CO-58	BQ/L	20	0,031	0,085	0,15	0	0	0,000	0	0,08
2020	North Sea water	NORTH SEA	CO-60	BQ/L	20	0,024	0,061	0,1	0	0	0,000	0	0,06
2020	North Sea water	NORTH SEA	CS-134	BQ/L	20	0,0007	0,001	0,0026	0	0	0,000	0	0,0013
2020	North Sea water	NORTH SEA	CS-137	BQ/L	12	0,0008	0,001	0,0027	8	0,00106	0,002	0,00205	0,0015
2020	North Sea water	NORTH SEA	I-131	BQ/L	20	0,25	3,556	25	0	0	0,000	0	3,56
2020	North Sea water	NORTH SEA	K-40	BQ/L	0	0	0,000	0	20	9,6	11,195	13,3	11,20
2020	North Sea water	NORTH SEA	MN-54	BQ/L	20	0,024	0,064	0,1	0	0	0,000	0	0,0644
2020	North Sea water	NORTH SEA	PU-238	BQ/L	20	0,00009	0,000	0,00026	0	0	0,000	0	0,0001

2020	North Sea water	NORTH SEA	PU(239+240)	BQ/L	20	0,00009	0,000	0,00023	0	0	0,000	0	0,0001
2020	North Sea water	NORTH SEA	RA-226	BQ/L	20	0,05	0,131	0,23	0	0	0,000	0	0,13
2020	North Sea water	NORTH SEA	RA-228	BQ/L	20	0,09	0,251	0,4	0	0	0,000	0	0,25
2020	North Sea water	NORTH SEA	T-ALFA	BQ/L	20	0,202	0,265	0,316	0	0	0,000	0	0,26
2020	North Sea water	NORTH SEA	T-BETA	BQ/L	0	0	0,000	0	20	9,7	10,866	11,6	10,87
2020	North Sea water	NORTH SEA	TH-228	BQ/L	19	0,05	0,146	0,6	1	0,6	0,600	0,6	0,17
2020	North Sea water	NORTH SEA	U-238	BQ/L	1	1,1	1,100	1,1	0	0	0,000	0	1,10
2020	North Sea water	NORTH SEA	ZN-65	BQ/L	20	0,06	0,149	0,25	0	0	0,000	0	0,15

Year	Sample type	Locality	Nuclides	Unit	DL			Measurements				Global mean	
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean		Max
2020	Outdoor air	KOKSIJDE	BE-7	BQ/M³	0	0	0,000	0	13	0,00185	0,005	0,0254	0,00468
2020	Outdoor air	KOKSIJDE	CE-141	BQ/M³	13	0,000007	0,000	0,00006	0	0	0,000	0	0,00002
2020	Outdoor air	KOKSIJDE	CE-144	BQ/M³	12	0,000012	0,000	0,00011	1	0,000023	0,000	0,000023	0,00003
2020	Outdoor air	KOKSIJDE	CO-60	BQ/M³	1	0,000004	0,000	0,000004	0	0	0,000	0	0,000004
2020	Outdoor air	KOKSIJDE	CS-134	BQ/M³	13	0,000003	0,000	0,00002	0	0	0,000	0	0,00001
2020	Outdoor air	KOKSIJDE	CS-137	BQ/M³	13	0,000003	0,000	0,000024	0	0	0,000	0	0,00001
2020	Outdoor air	KOKSIJDE	I-131	BQ/M³	13	0,000026	0,000	0,0007	0	0	0,000	0	0,00019
2020	Outdoor air	KOKSIJDE	K-40	BQ/M³	11	0,000037	0,000	0,00016	2	0,000055	0,000	0,00047	0,00010
2020	Outdoor air	KOKSIJDE	NB-95	BQ/M³	13	0,000005	0,000	0,00005	0	0	0,000	0	0,00001
2020	Outdoor air	KOKSIJDE	PB-210	BQ/M³	0	0	0,000	0	1	0,00024	0,000	0,00024	0,00024
2020	Outdoor air	KOKSIJDE	RU-103	BQ/M³	13	0,000005	0,000	0,00004	0	0	0,000	0	0,00001
2020	Outdoor air	KOKSIJDE	RU-106	BQ/M³	13	0,000024	0,000	0,00021	0	0	0,000	0	0,00006
2020	Outdoor air	KOKSIJDE	SE-75	BQ/M³	13	0,000003	0,000	0,000023	0	0	0,000	0	0,00001
2020	Outdoor air	KOKSIJDE	T-BETA	BQ/M³	0	0	0,000	0	177	0,000049	0,010	0,82	0,00988
2020	Outdoor air	KOKSIJDE	ZR-95	BQ/M³	13	0,000008	0,000	0,00006	0	0	0,000	0	0,00002

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	Topsoil and grass	KOKSIJDE	AG-110M	BQ/KG	1	0,7	0,700	0,7	0	0	0,000	0	0,7
2020	Topsoil and grass	KOKSIJDE	BE-7	BQ/KG	1	6	6,000	6	0	0	0,000	0	6
2020	Topsoil and grass	KOKSIJDE	CO-57	BQ/KG	1	0,4	0,400	0,4	0	0	0,000	0	0,4
2020	Topsoil and grass	KOKSIJDE	CO-58	BQ/KG	1	0,7	0,700	0,7	0	0	0,000	0	0,7
2020	Topsoil and grass	KOKSIJDE	CO-60	BQ/KG	1	0,5	0,500	0,5	0	0	0,000	0	0,5
2020	Topsoil and grass	KOKSIJDE	CS-134	BQ/KG	1	0,5	0,500	0,5	0	0	0,000	0	0,5
2020	Topsoil and grass	KOKSIJDE	CS-137	BQ/KG	0	0	0,000	0	1	1,72	1,720	1,72	1,72
2020	Topsoil and grass	KOKSIJDE	I-131	BQ/KG	1	7	7,000	7	0	0	0,000	0	7
2020	Topsoil and grass	KOKSIJDE	K-40	BQ/KG	0	0	0,000	0	1	241	241,000	241	241
2020	Topsoil and grass	KOKSIJDE	MN-54	BQ/KG	1	0,6	0,600	0,6	0	0	0,000	0	0,6
2020	Topsoil and grass	KOKSIJDE	RA-226	BQ/KG	0	0	0,000	0	1	8,6	8,600	8,6	8,6
2020	Topsoil and grass	KOKSIJDE	RA-228	BQ/KG	0	0	0,000	0	1	9,6	9,600	9,6	9,6
2020	Topsoil and grass	KOKSIJDE	TH-228	BQ/KG	0	0	0,000	0	1	9,6	9,600	9,6	9,6
2020	Topsoil and grass	KOKSIJDE	ZN-65	BQ/KG	1	1,5	1,500	1,5	0	0	0,000	0	1,5

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	North Sea fish	NORTH SEA	AG-110M	BQ/KG	21	0,6	1,352	4	0	0	0,000	0	1,35
2020	North Sea fish	NORTH SEA	AM-241	BQ/KG	21	0,04	0,065	0,12	0	0	0,000	0	0,06
2020	North Sea fish	NORTH SEA	BE-7	BQ/KG	21	7	17,238	60	0	0	0,000	0	17,24
2020	North Sea fish	NORTH SEA	CO-57	BQ/KG	21	0,26	0,942	2,6	0	0	0,000	0	0,94
2020	North Sea fish	NORTH SEA	CO-58	BQ/KG	21	0,9	1,938	6	0	0	0,000	0	1,94
2020	North Sea fish	NORTH SEA	CO-60	BQ/KG	21	0,8	1,448	5	0	0	0,000	0	1,45
2020	North Sea fish	NORTH SEA	CS-134	BQ/KG	21	0,5	1,176	3,7	0	0	0,000	0	1,18
2020	North Sea fish	NORTH SEA	CS-137	BQ/KG	21	0,7	1,357	4	0	0	0,000	0	1,36

2020	North Sea fish	NORTH SEA	H-3	BQ/KG	21	12,963	19,735	33,672	0	0	0,000	0	19,73
2020	North Sea fish	NORTH SEA	I-131	BQ/KG	21	11	100,667	300	0	0	0,000	0	100,67
2020	North Sea fish	NORTH SEA	K-40	BQ/KG	0	0	0,000	0	21	330	419,000	490	419,00
2020	North Sea fish	NORTH SEA	MN-54	BQ/KG	21	0,7	1,343	4	0	0	0,000	0	1,34
2020	North Sea fish	NORTH SEA	PU-238	BQ/KG	21	0,03	0,064	0,09	0	0	0,000	0	0,06
2020	North Sea fish	NORTH SEA	PU(239+240)	BQ/KG	20	0,04	0,064	0,1	1	0,06	0,060	0,06	0,06
2020	North Sea fish	NORTH SEA	RA-226	BQ/KG	21	1	2,557	9	0	0	0,000	0	2,56
2020	North Sea fish	NORTH SEA	RA-228	BQ/KG	20	2,7	5,320	17	1	4,2	4,200	4,2	5,27
2020	North Sea fish	NORTH SEA	SR-90	BQ/KG	21	2,859	3,925	5,64	0	0	0,000	0	3,93
2020	North Sea fish	NORTH SEA	TC-99	BQ/KG	9	2,814	6,904	10,422	12	2,081	7,096	15,05	7,01
2020	North Sea fish	NORTH SEA	TH-228	BQ/KG	21	0,8	2,148	7	0	0	0,000	0	2,15
2020	North Sea fish	NORTH SEA	ZN-65	BQ/KG	21	2	3,610	11	0	0	0,000	0	3,61

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

The global mean is the (arithmetic) mean of all analyses that are below the detection limit and the mean of all measurements. Values expressed in Bq/kg are in Bq/kg dry matter.

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; BQ/D: Bq per day; BQ/G-C: Bq per g of stable carbon).

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	Drinking water	BASTOGNE-LIBRAMONT-FLORENVILLE	H-3	BQ/L	4	2,82	2,950	3,09	0	0	0,000	0	2,95
2020	Drinking water	BASTOGNE-LIBRAMONT-FLORENVILLE	K-40	BQ/L	0	0	0,000	0	4	0,0172	0,027	0,0409	0,03
2020	Drinking water	BASTOGNE-LIBRAMONT-FLORENVILLE	R-BETA	BQ/L	3	0,0455	0,046	0,0468	1	0,0871	0,087	0,0871	0,06
2020	Drinking water	BASTOGNE-LIBRAMONT-FLORENVILLE	RA-226	BQ/L	4	0,00547	0,006	0,00652	0	0	0,000	0	0,01
2020	Drinking water	BASTOGNE-LIBRAMONT-FLORENVILLE	RN-222	BQ/L	0	0	0,000	0	4	18,7	22,425	27,8	22,43
2020	Drinking water	BASTOGNE-LIBRAMONT-FLORENVILLE	T-ALFA	BQ/L	4	0,0136	0,016	0,0183	0	0	0,000	0	0,02
2020	Drinking water	BASTOGNE-LIBRAMONT-FLORENVILLE	T-BETA	BQ/L	2	0,0424	0,043	0,0437	2	0,0582	0,093	0,128	0,07
2020	Drinking water	BRUSSELS	H-3	BQ/L	2	6,2	7,050	7,9	2	15	15,400	15,8	11,23
2020	Drinking water	BRUSSELS	K-40	BQ/L	0	0	0,000	0	4	0,051	0,115	0,15	0,11
2020	Drinking water	BRUSSELS	R-BETA	BQ/L	4	0,039	0,058	0,073	0	0	0,000	0	0,06
2020	Drinking water	BRUSSELS	RN-222	BQ/L	2	0,32	0,360	0,4	2	0,44	4,545	8,65	2,45
2020	Drinking water	BRUSSELS	T-ALFA	BQ/L	3	0,012	0,013	0,014	1	0,02	0,020	0,02	0,01
2020	Drinking water	BRUSSELS	T-BETA	BQ/L	2	0,055	0,057	0,059	2	0,131	0,167	0,203	0,11
2020	Drinking water	FLEURUS	H-3	BQ/L	2	2,9	2,995	3,09	2	7,56	7,595	7,63	5,30
2020	Drinking water	FLEURUS	K-40	BQ/L	0	0	0,000	0	4	0,0462	0,051	0,0577	0,05
2020	Drinking water	FLEURUS	R-BETA	BQ/L	0	0	0,000	0	4	0,0536	0,062	0,0683	0,06
2020	Drinking water	FLEURUS	RA-226	BQ/L	0	0	0,000	0	4	0,0466	0,072	0,0899	0,07
2020	Drinking water	FLEURUS	RN-222	BQ/L	0	0	0,000	0	4	1,67	2,600	3,11	2,60
2020	Drinking water	FLEURUS	T-ALFA	BQ/L	0	0	0,000	0	4	0,116	0,136	0,165	0,14
2020	Drinking water	FLEURUS	T-BETA	BQ/L	0	0	0,000	0	4	0,0998	0,113	0,126	0,11
2020	Drinking water	GENT-SCHELDEWINDEKE	H-3	BQ/L	1	9,7	9,700	9,7	3	20,8	26,433	32,6	22,25
2020	Drinking water	GENT-SCHELDEWINDEKE	K-40	BQ/L	0	0	0,000	0	4	0,098	0,140	0,17	0,14
2020	Drinking water	GENT-SCHELDEWINDEKE	R-BETA	BQ/L	4	0,00379	0,035	0,047	0	0	0,000	0	0,03
2020	Drinking water	GENT-SCHELDEWINDEKE	RN-222	BQ/L	3	0,28	0,340	0,39	1	0,34	0,340	0,34	0,34
2020	Drinking water	GENT-SCHELDEWINDEKE	T-ALFA	BQ/L	4	0,012	0,014	0,017	0	0	0,000	0	0,01
2020	Drinking water	GENT-SCHELDEWINDEKE	T-BETA	BQ/L	0	0	0,000	0	4	0,069	0,150	0,194	0,15
2020	Drinking water	HASSELT-ZEPPEREN	H-3	BQ/L	4	6,2	7,725	10	0	0	0,000	0	7,73
2020	Drinking water	HASSELT-ZEPPEREN	K-40	BQ/L	0	0	0,000	0	4	0,193	0,225	0,31	0,22
2020	Drinking water	HASSELT-ZEPPEREN	R-BETA	BQ/L	4	0,04176	0,065	0,109	0	0	0,000	0	0,07
2020	Drinking water	HASSELT-ZEPPEREN	RN-222	BQ/L	0	0	0,000	0	4	2,15	2,888	3,32	2,89
2020	Drinking water	HASSELT-ZEPPEREN	T-ALFA	BQ/L	1	0,017	0,017	0,017	3	0,021	0,026	0,034	0,02
2020	Drinking water	HASSELT-ZEPPEREN	T-BETA	BQ/L	0	0	0,000	0	4	0,075	0,152	0,179	0,15
2020	Drinking water	LEUVEN	H-3	BQ/L	4	6,2	7,725	10	0	0	0,000	0	7,73
2020	Drinking water	LEUVEN	K-40	BQ/L	0	0	0,000	0	4	0,078	0,120	0,23	0,12
2020	Drinking water	LEUVEN	R-BETA	BQ/L	4	0,034	0,064	0,11	0	0	0,000	0	0,06
2020	Drinking water	LEUVEN	RN-222	BQ/L	1	0,3	0,300	0,3	3	6,64	7,383	8,8	5,61
2020	Drinking water	LEUVEN	T-ALFA	BQ/L	0	0	0,000	0	4	0,023	0,036	0,057	0,04
2020	Drinking water	LEUVEN	T-BETA	BQ/L	1	0,108	0,108	0,108	3	0,062	0,098	0,152	0,10
2020	Drinking water	LIÈGE	H-3	BQ/L	4	2,9	2,973	3,1	0	0	0,000	0	2,97
2020	Drinking water	LIÈGE	K-40	BQ/L	0	0	0,000	0	4	0,0519	0,066	0,08	0,07
2020	Drinking water	LIÈGE	R-BETA	BQ/L	4	0,0433	0,047	0,0534	0	0	0,000	0	0,05
2020	Drinking water	LIÈGE	RA-226	BQ/L	4	0,00484	0,006	0,00712	0	0	0,000	0	0,01
2020	Drinking water	LIÈGE	RN-222	BQ/L	1	0,733	0,733	0,733	3	0,783	1,688	2,59	1,45
2020	Drinking water	LIÈGE	T-ALFA	BQ/L	2	0,0302	0,033	0,0366	2	0,0347	0,036	0,0373	0,03
2020	Drinking water	LIÈGE	T-BETA	BQ/L	0	0	0,000	0	4	0,0701	0,094	0,114	0,09
2020	Drinking water	MOL	H-3	BQ/L	4	6,2	7,725	10	0	0	0,000	0	7,73
2020	Drinking water	MOL	K-40	BQ/L	0	0	0,000	0	4	0,133	0,160	0,23	0,16

2020	Drinking water	MOL	R-BETA	BQ/L	4	0,037	0,047	0,069	0	0	0,000	0	0,05
2020	Drinking water	MOL	RN-222	BQ/L	0	0	0,000	0	4	0,58	1,030	1,79	1,03
2020	Drinking water	MOL	T-ALFA	BQ/L	4	0,01	0,012	0,012	0	0	0,000	0	0,01
2020	Drinking water	MOL	T-BETA	BQ/L	0	0	0,000	0	4	0,128	0,133	0,136	0,13
2020	Drinking water	NAMUR	H-3	BQ/L	2	2,9	2,995	3,09	2	20,6	25,800	31	14,40
2020	Drinking water	NAMUR	K-40	BQ/L	0	0	0,000	0	4	0,0605	0,076	0,0998	0,08
2020	Drinking water	NAMUR	R-BETA	BQ/L	3	0,0417	0,045	0,0468	1	0,21	0,210	0,21	0,09
2020	Drinking water	NAMUR	RA-226	BQ/L	3	0,00462	0,006	0,00688	1	0,229	0,229	0,229	0,06
2020	Drinking water	NAMUR	RN-222	BQ/L	4	0,474	0,540	0,597	0	0	0,000	0	0,54
2020	Drinking water	NAMUR	T-ALFA	BQ/L	4	0,0236	0,026	0,0297	0	0	0,000	0	0,03
2020	Drinking water	NAMUR	T-BETA	BQ/L	0	0	0,000	0	4	0,0492	0,125	0,281	0,13
2020	Drinking water	POPERINGE	H-3	BQ/L	4	6,3	7,350	9,7	0	0	0,000	0	7,35
2020	Drinking water	POPERINGE	K-40	BQ/L	0	0	0,000	0	4	0,265	0,425	0,61	0,43
2020	Drinking water	POPERINGE	R-BETA	BQ/L	4	0,054	0,085	0,145	0	0	0,000	0	0,08
2020	Drinking water	POPERINGE	RN-222	BQ/L	2	0,37	0,430	0,49	2	0,55	1,775	3	1,10
2020	Drinking water	POPERINGE	T-ALFA	BQ/L	1	0,014	0,014	0,014	3	0,023	0,033	0,054	0,03
2020	Drinking water	POPERINGE	T-BETA	BQ/L	0	0	0,000	0	4	0,32	0,468	0,659	0,47
2020	Drinking water	RENINGELST	H-3	BQ/L	3	6,6	7,700	9,7	1	12,4	12,400	12,4	8,88
2020	Drinking water	RENINGELST	K-40	BQ/L	0	0	0,000	0	4	0,169	0,189	0,212	0,19
2020	Drinking water	RENINGELST	R-BETA	BQ/L	3	0,05220	0,078	0,112	1	0,05	0,050	0,05	0,07
2020	Drinking water	RENINGELST	RA-226	BQ/L	0	0	0,000	0	3	0,0795	0,115	0,143	0,12
2020	Drinking water	RENINGELST	RN-222	BQ/L	0	0	0,000	0	4	2,25	2,568	2,87	2,57
2020	Drinking water	RENINGELST	SR-90	BQ/L	0	0	0,000	0	1	0,1239	0,124	0,1239	0,12
2020	Drinking water	RENINGELST	T-ALFA	BQ/L	0	0	0,000	0	4	0,088	0,106	0,119	0,11
2020	Drinking water	RENINGELST	T-BETA	BQ/L	0	0	0,000	0	4	0,165	0,207	0,258	0,21
2020	Drinking water	WAVRE	H-3	BQ/L	4	2,82	3,145	3,98	0	0	0,000	0	3,15
2020	Drinking water	WAVRE	K-40	BQ/L	0	0	0,000	0	4	0,139	0,146	0,155	0,15
2020	Drinking water	WAVRE	R-BETA	BQ/L	2	0,0452	0,046	0,0468	2	0,053	0,061	0,068	0,05
2020	Drinking water	WAVRE	RA-226	BQ/L	1	0,00593	0,006	0,00593	3	0,0109	0,014	0,0149	0,01
2020	Drinking water	WAVRE	RN-222	BQ/L	0	0	0,000	0	4	11,7	13,450	14,6	13,45
2020	Drinking water	WAVRE	T-ALFA	BQ/L	0	0	0,000	0	4	0,0383	0,054	0,0691	0,05
2020	Drinking water	WAVRE	T-BETA	BQ/L	0	0	0,000	0	4	0,17	0,192	0,211	0,19

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	Fish (fresh and sea water)	BRUSSELS (DROGENBOS)	AG-110M	BQ/KG	12	0,5	0,875	1,4	0	0	0,000	0	0,88
2020	Fish (fresh and sea water)	BRUSSELS (DROGENBOS)	BE-7	BQ/KG	12	5	9,750	17	0	0	0,000	0	9,75
2020	Fish (fresh and sea water)	BRUSSELS (DROGENBOS)	CO-57	BQ/KG	12	0,21	0,553	1	0	0	0,000	0	0,55
2020	Fish (fresh and sea water)	BRUSSELS (DROGENBOS)	CO-58	BQ/KG	12	0,6	1,142	2,1	0	0	0,000	0	1,14
2020	Fish (fresh and sea water)	BRUSSELS (DROGENBOS)	CO-60	BQ/KG	12	0,5	0,942	1,6	0	0	0,000	0	0,94
2020	Fish (fresh and sea water)	BRUSSELS (DROGENBOS)	CS-134	BQ/KG	12	0,4	0,792	1,4	0	0	0,000	0	0,79
2020	Fish (fresh and sea water)	BRUSSELS (DROGENBOS)	CS-137	BQ/KG	10	0,35	0,925	1,5	2	0,63	0,865	1,1	0,92
2020	Fish (fresh and sea water)	BRUSSELS (DROGENBOS)	K-40	BQ/KG	0	0	0,000	0	12	353	427,583	480	427,58
2020	Fish (fresh and sea water)	BRUSSELS (DROGENBOS)	MN-54	BQ/KG	12	0,5	0,900	1,6	0	0	0,000	0	0,90
2020	Fish (fresh and sea water)	BRUSSELS (DROGENBOS)	RA-226	BQ/KG	12	0,7	1,633	3,1	0	0	0,000	0	1,63
2020	Fish (fresh and sea water)	BRUSSELS (DROGENBOS)	RA-228	BQ/KG	12	1,8	3,450	6	0	0	0,000	0	3,45
2020	Fish (fresh and sea water)	BRUSSELS (DROGENBOS)	TH-228	BQ/KG	10	0,7	1,450	2,6	2	7	12,000	17	3,21
2020	Fish (fresh and sea water)	BRUSSELS (DROGENBOS)	ZN-65	BQ/KG	12	1,2	2,325	4	0	0	0,000	0	2,33
2020	Fish (fresh and sea water)	FLEURUS	AG-110M	BQ/KG	13	1,83	2,493	3,57	0	0	0,000	0	2,49
2020	Fish (fresh and sea water)	FLEURUS	BE-7	BQ/KG	13	20,8	29,869	47,7	0	0	0,000	0	29,87
2020	Fish (fresh and sea water)	FLEURUS	CO-57	BQ/KG	13	0,804	1,178	1,81	0	0	0,000	0	1,18
2020	Fish (fresh and sea water)	FLEURUS	CO-58	BQ/KG	13	2,44	3,230	4,44	0	0	0,000	0	3,23
2020	Fish (fresh and sea water)	FLEURUS	CO-60	BQ/KG	13	1,91	2,218	2,93	0	0	0,000	0	2,22
2020	Fish (fresh and sea water)	FLEURUS	CS-134	BQ/KG	13	1,43	1,973	2,95	0	0	0,000	0	1,97
2020	Fish (fresh and sea water)	FLEURUS	CS-137	BQ/KG	13	1,43	1,893	2,93	0	0	0,000	0	1,89
2020	Fish (fresh and sea water)	FLEURUS	K-40	BQ/KG	4	52,2	65,850	79,7	9	370	460,111	562	338,80
2020	Fish (fresh and sea water)	FLEURUS	MN-54	BQ/KG	13	1,77	2,158	2,93	0	0	0,000	0	2,16
2020	Fish (fresh and sea water)	FLEURUS	RA-226	BQ/KG	13	3,01	4,046	6,1	0	0	0,000	0	4,05
2020	Fish (fresh and sea water)	FLEURUS	RA-228	BQ/KG	13	6,69	8,522	12,3	0	0	0,000	0	8,52
2020	Fish (fresh and sea water)	FLEURUS	TH-228	BQ/KG	13	1,98	3,256	5,3	0	0	0,000	0	3,26
2020	Fish (fresh and sea water)	FLEURUS	ZN-65	BQ/KG	13	4,45	5,402	7,79	0	0	0,000	0	5,40
2020	Fish (fresh and sea water)	MOL	AG-110M	BQ/KG	12	0,6	1,083	1,8	0	0	0,000	0	1,08
2020	Fish (fresh and sea water)	MOL	BE-7	BQ/KG	12	6	12,500	21	0	0	0,000	0	12,50
2020	Fish (fresh and sea water)	MOL	CO-57	BQ/KG	12	0,26	0,829	1,8	0	0	0,000	0	0,83
2020	Fish (fresh and sea water)	MOL	CO-58	BQ/KG	12	0,9	1,467	2,5	0	0	0,000	0	1,47
2020	Fish (fresh and sea water)	MOL	CO-60	BQ/KG	12	0,7	1,133	1,9	0	0	0,000	0	1,13
2020	Fish (fresh and sea water)	MOL	CS-134	BQ/KG	12	0,5	0,942	1,6	0	0	0,000	0	0,94
2020	Fish (fresh and sea water)	MOL	CS-137	BQ/KG	10	0,5	1,100	1,5	2	0,42	0,475	0,53	1,00
2020	Fish (fresh and sea water)	MOL	K-40	BQ/KG	0	0	0,000	0	12	360	420,083	550	420,08
2020	Fish (fresh and sea water)	MOL	MN-54	BQ/KG	12	0,6	1,108	1,9	0	0	0,000	0	1,11
2020	Fish (fresh and sea water)	MOL	RA-226	BQ/KG	13	1,1	2,185	3,6	0	0	0,000	0	2,18
2020	Fish (fresh and sea water)	MOL	RA-228	BQ/KG	11	2,5	4,291	7	1	10	10,000	10	4,77
2020	Fish (fresh and sea water)	MOL	TH-228	BQ/KG	12	0,7	1,692	2,8	0	0	0,000	0	1,69
2020	Fish (fresh and sea water)	MOL	ZN-65	BQ/KG	12	1,8	2,925	5	0	0	0,000	0	2,93

Year	Sample type	Locality	Nuclides	Unit	DL			Measurements				Global mean	
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean		Max
2020	fruits & vegetables	BRUSSELS (DROGENBOS)	AG-110M	BQ/KG	12	0,6	1,425	2,7	0	0	0,000	0	1,43
2020	fruits & vegetables	BRUSSELS (DROGENBOS)	BE-7	BQ/KG	12	6	15,583	31	0	0	0,000	0	15,58
2020	fruits & vegetables	BRUSSELS (DROGENBOS)	CO-57	BQ/KG	12	0,24	0,962	2	0	0	0,000	0	0,96
2020	fruits & vegetables	BRUSSELS (DROGENBOS)	CO-58	BQ/KG	12	0,8	1,900	3,3	0	0	0,000	0	1,90
2020	fruits & vegetables	BRUSSELS (DROGENBOS)	CO-60	BQ/KG	12	0,8	1,500	2,8	0	0	0,000	0	1,50
2020	fruits & vegetables	BRUSSELS (DROGENBOS)	CS-134	BQ/KG	12	0,5	1,242	2,4	0	0	0,000	0	1,24
2020	fruits & vegetables	BRUSSELS (DROGENBOS)	CS-137	BQ/KG	12	0,6	1,458	2,9	0	0	0,000	0	1,46
2020	fruits & vegetables	BRUSSELS (DROGENBOS)	K-40	BQ/KG	0	0	0,000	0	12	300	755,000	1360	755,00
2020	fruits & vegetables	BRUSSELS (DROGENBOS)	MN-54	BQ/KG	12	0,6	1,433	2,8	0	0	0,000	0	1,43
2020	fruits & vegetables	BRUSSELS (DROGENBOS)	RA-226	BQ/KG	12	1	2,517	5	0	0	0,000	0	2,52

2020	fruits & vegetables	BRUSSELS (DROGENBOS)	RA-228	BQ/KG	12	2,6	5,750	11	0	0	0,000	0	5,75
2020	fruits & vegetables	BRUSSELS (DROGENBOS)	TH-228	BQ/KG	12	0,8	2,017	4	0	0	0,000	0	2,02
2020	fruits & vegetables	BRUSSELS (DROGENBOS)	ZN-65	BQ/KG	12	1,8	3,833	7	0	0	0,000	0	3,83
2020	fruits & vegetables	FLEURUS	AG-110M	BQ/KG	13	2,39	3,581	5,07	0	0	0,000	0	3,58
2020	fruits & vegetables	FLEURUS	BE-7	BQ/KG	13	27,6	39,646	58	0	0	0,000	0	39,65
2020	fruits & vegetables	FLEURUS	CO-57	BQ/KG	13	1,05	1,662	2,54	0	0	0,000	0	1,66
2020	fruits & vegetables	FLEURUS	CO-58	BQ/KG	13	3,06	4,536	6,06	0	0	0,000	0	4,54
2020	fruits & vegetables	FLEURUS	CO-60	BQ/KG	13	2,05	3,341	4,8	0	0	0,000	0	3,34
2020	fruits & vegetables	FLEURUS	CS-134	BQ/KG	13	1,94	2,864	4,19	0	0	0,000	0	2,86
2020	fruits & vegetables	FLEURUS	CS-137	BQ/KG	13	1,72	2,822	4,19	0	0	0,000	0	2,82
2020	fruits & vegetables	FLEURUS	K-40	BQ/KG	2	92,2	102,100	112	11	218	910,182	1400	785,86
2020	fruits & vegetables	FLEURUS	MN-54	BQ/KG	13	2,2	3,205	4,23	0	0	0,000	0	3,21
2020	fruits & vegetables	FLEURUS	RA-226	BQ/KG	13	3,42	5,989	9,01	0	0	0,000	0	5,99
2020	fruits & vegetables	FLEURUS	RA-228	BQ/KG	13	8,58	12,593	17	0	0	0,000	0	12,59
2020	fruits & vegetables	FLEURUS	TH-228	BQ/KG	13	2,62	4,769	7,63	0	0	0,000	0	4,77
2020	fruits & vegetables	FLEURUS	ZN-65	BQ/KG	13	5,42	8,142	10,7	0	0	0,000	0	8,14
2020	fruits & vegetables	MOL	AG-110M	BQ/KG	12	0,5	1,108	1,9	0	0	0,000	0	1,11
2020	fruits & vegetables	MOL	BE-7	BQ/KG	12	6	13,167	23	0	0	0,000	0	13,17
2020	fruits & vegetables	MOL	CO-57	BQ/KG	12	0,23	0,679	1,2	0	0	0,000	0	0,68
2020	fruits & vegetables	MOL	CO-58	BQ/KG	12	0,8	1,542	2,5	0	0	0,000	0	1,54
2020	fruits & vegetables	MOL	CO-60	BQ/KG	12	0,6	1,183	2,2	0	0	0,000	0	1,18
2020	fruits & vegetables	MOL	CS-134	BQ/KG	12	0,4	0,958	1,6	0	0	0,000	0	0,96
2020	fruits & vegetables	MOL	CS-137	BQ/KG	12	0,5	1,117	1,9	0	0	0,000	0	1,12
2020	fruits & vegetables	MOL	K-40	BQ/KG	0	0	0,000	0	12	243	663,750	1240	663,75
2020	fruits & vegetables	MOL	MN-54	BQ/KG	12	0,6	1,125	2,1	0	0	0,000	0	1,13
2020	fruits & vegetables	MOL	RA-226	BQ/KG	11	0,7	1,809	3,1	0	0	0,000	0	1,81
2020	fruits & vegetables	MOL	RA-228	BQ/KG	11	2,1	4,518	8	1	4,5	4,500	4,5	4,52
2020	fruits & vegetables	MOL	TH-228	BQ/KG	12	0,6	1,600	2,7	0	0	0,000	0	1,60
2020	fruits & vegetables	MOL	ZN-65	BQ/KG	12	1,4	3,042	6	0	0	0,000	0	3,04

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	Meat animal products	BRUSSELS (DROGENBOS)	AG-110M	BQ/KG	12	0,4	0,983	1,5	0	0	0,000	0	0,98
2020	Meat animal products	BRUSSELS (DROGENBOS)	BE-7	BQ/KG	12	5	10,750	17	0	0	0,000	0	10,75
2020	Meat animal products	BRUSSELS (DROGENBOS)	CO-57	BQ/KG	12	0,3	0,694	1,2	0	0	0,000	0	0,69
2020	Meat animal products	BRUSSELS (DROGENBOS)	CO-58	BQ/KG	12	0,6	1,250	2	0	0	0,000	0	1,25
2020	Meat animal products	BRUSSELS (DROGENBOS)	CO-60	BQ/KG	12	0,5	1,000	1,4	0	0	0,000	0	1,00
2020	Meat animal products	BRUSSELS (DROGENBOS)	CS-134	BQ/KG	12	0,37	0,881	1,3	0	0	0,000	0	0,88
2020	Meat animal products	BRUSSELS (DROGENBOS)	CS-137	BQ/KG	12	0,4	0,975	1,4	0	0	0,000	0	0,98
2020	Meat animal products	BRUSSELS (DROGENBOS)	K-40	BQ/KG	0	0	0,000	0	12	250	372,833	440	372,83
2020	Meat animal products	BRUSSELS (DROGENBOS)	MN-54	BQ/KG	12	0,4	0,967	1,5	0	0	0,000	0	0,97
2020	Meat animal products	BRUSSELS (DROGENBOS)	RA-226	BQ/KG	12	0,8	1,883	2,8	0	0	0,000	0	1,88
2020	Meat animal products	BRUSSELS (DROGENBOS)	RA-228	BQ/KG	12	1,6	3,983	6	0	0	0,000	0	3,98
2020	Meat animal products	BRUSSELS (DROGENBOS)	TH-228	BQ/KG	12	0,7	1,558	2,2	0	0	0,000	0	1,56
2020	Meat animal products	BRUSSELS (DROGENBOS)	TH-234	BQ/KG	1	12	12,000	12	0	0	0,000	0	12,00
2020	Meat animal products	BRUSSELS (DROGENBOS)	ZN-65	BQ/KG	12	1,1	2,575	4	0	0	0,000	0	2,58
2020	Meat animal products	FLEURUS	AG-110M	BQ/KG	13	1,71	1,941	2,3	0	0	0,000	0	1,94
2020	Meat animal products	FLEURUS	BE-7	BQ/KG	13	14,9	21,869	28,1	0	0	0,000	0	21,87
2020	Meat animal products	FLEURUS	CO-57	BQ/KG	13	0,78	0,930	1,16	0	0	0,000	0	0,93
2020	Meat animal products	FLEURUS	CO-58	BQ/KG	13	1,99	2,495	2,84	0	0	0,000	0	2,50
2020	Meat animal products	FLEURUS	CO-60	BQ/KG	13	1,63	1,873	2,13	0	0	0,000	0	1,87
2020	Meat animal products	FLEURUS	CS-134	BQ/KG	13	1,45	1,590	1,77	0	0	0,000	0	1,59
2020	Meat animal products	FLEURUS	CS-137	BQ/KG	11	1,37	1,595	1,81	2	1,45	1,630	1,81	1,60
2020	Meat animal products	FLEURUS	K-40	BQ/KG	3	53	55,067	56,8	10	370	435,200	502	347,48

2020	Meat animal products	FLEURUS	MN-54	BQ/KG	13	1,6	1,772	2,06	0	0	0,000	0	1,77
2020	Meat animal products	FLEURUS	RA-226	BQ/KG	13	2,72	3,290	3,77	0	0	0,000	0	3,29
2020	Meat animal products	FLEURUS	RA-228	BQ/KG	13	6,34	6,993	7,78	0	0	0,000	0	6,99
2020	Meat animal products	FLEURUS	TH-228	BQ/KG	13	2,13	2,548	3,39	0	0	0,000	0	2,55
2020	Meat animal products	FLEURUS	ZN-65	BQ/KG	13	4,11	4,440	4,98	0	0	0,000	0	4,44
2020	Meat animal products	MOL	AG-110M	BQ/KG	12	0,6	0,992	1,3	0	0	0,000	0	0,99
2020	Meat animal products	MOL	BE-7	BQ/KG	12	6	11,417	17	0	0	0,000	0	11,42
2020	Meat animal products	MOL	CO-57	BQ/KG	12	0,27	0,681	1,1	0	0	0,000	0	0,68
2020	Meat animal products	MOL	CO-58	BQ/KG	12	0,7	1,317	2,1	0	0	0,000	0	1,32
2020	Meat animal products	MOL	CO-60	BQ/KG	12	0,7	0,983	1,4	0	0	0,000	0	0,98
2020	Meat animal products	MOL	CS-134	BQ/KG	12	0,5	0,850	1,2	0	0	0,000	0	0,85
2020	Meat animal products	MOL	CS-137	BQ/KG	12	0,6	0,992	1,3	0	0	0,000	0	0,99
2020	Meat animal products	MOL	K-40	BQ/KG	0	0	0,000	0	12	381	444,000	500	444,00
2020	Meat animal products	MOL	MN-54	BQ/KG	12	0,6	0,933	1,4	0	0	0,000	0	0,93
2020	Meat animal products	MOL	RA-226	BQ/KG	12	1	1,750	2,4	0	0	0,000	0	1,75
2020	Meat animal products	MOL	RA-228	BQ/KG	12	2,6	3,783	5	0	0	0,000	0	3,78
2020	Meat animal products	MOL	TH-228	BQ/KG	12	0,7	1,433	1,9	0	0	0,000	0	1,43
2020	Meat animal products	MOL	ZN-65	BQ/KG	12	1,8	2,617	3,7	0	0	0,000	0	2,62

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	Milk cow	BRUSSELS (BEERSEL)	CS-137	BQ/L	51	0,011	0,185	0,34	0	0	0,000	0	0,19
2020	Milk cow	BRUSSELS (BEERSEL)	I-131	BQ/L	51	0,14	1,023	2,7	0	0	0,000	0	1,02
2020	Milk cow	BRUSSELS (BEERSEL)	K-40	BQ/L	0	0	0,000	0	51	42	49,392	74	49,39
2020	Milk cow	BRUSSELS (BEERSEL)	SR-90	BQ/L	11	0,03	0,046	0,07	2	0,05	0,055	0,06	0,05
2020	Milk cow	BEVEREN	CS-137	BQ/L	52	0,011	0,193	0,34	0	0	0,000	0	0,19
2020	Milk cow	BEVEREN	I-131	BQ/L	52	0,11	0,282	0,5	0	0	0,000	0	0,28
2020	Milk cow	BEVEREN	K-40	BQ/L	0	0	0,000	0	52	38	46,038	51	46,04
2020	Milk cow	BEVEREN	SR-90	BQ/L	13	0,03	0,044	0,06	0	0	0,000	0	0,04
2020	Milk cow	CHOOZ	CS-137	BQ/L	52	0,498	0,821	0,98	0	0	0,000	0	0,82
2020	Milk cow	CHOOZ	I-131	BQ/L	52	1,53	2,821	6,78	0	0	0,000	0	2,82
2020	Milk cow	CHOOZ	K-40	BQ/L	0	0	0,000	0	52	34,6	45,833	61	45,83
2020	Milk cow	CHOOZ	SR-90	BQ/L	13	0,0247	0,040	0,0734	0	0	0,000	0	0,04
2020	Milk cow	FLEURUS	CS-137	BQ/L	52	0,704	0,817	0,984	0	0	0,000	0	0,82
2020	Milk cow	FLEURUS	I-131	BQ/L	52	1,67	2,790	6,88	0	0	0,000	0	2,79
2020	Milk cow	FLEURUS	K-40	BQ/L	0	0	0,000	0	52	31,9	46,679	55,8	46,68
2020	Milk cow	FLEURUS	SR-90	BQ/L	13	0,0236	0,035	0,0507	0	0	0,000	0	0,04
2020	Milk cow	MOL-DESSEL	CS-137	BQ/L	52	0,011	0,176	0,3	0	0	0,000	0	0,18
2020	Milk cow	MOL-DESSEL	I-131	BQ/L	52	0,09	0,238	0,5	0	0	0,000	0	0,24
2020	Milk cow	MOL-DESSEL	K-40	BQ/L	0	0	0,000	0	52	40	47,038	52	47,04
2020	Milk cow	MOL-DESSEL	SR-90	BQ/L	13	0,03	0,045	0,07	0	0	0,000	0	0,04
2020	Milk cow	TIHANGE	CS-137	BQ/L	52	0,361	0,798	0,955	0	0	0,000	0	0,80
2020	Milk cow	TIHANGE	I-131	BQ/L	52	0,842	2,949	6,77	0	0	0,000	0	2,95
2020	Milk cow	TIHANGE	K-40	BQ/L	0	0	0,000	0	52	34	48,562	59,2	48,56
2020	Milk cow	TIHANGE	SR-90	BQ/L	13	0,0267	0,035	0,0511	0	0	0,000	0	0,04

Year	Sample type	Locality	Nuclides	Unit	DL				Measurements				Global mean
					Number of analysis	Min	Mean	Max	Number of analysis	Min	Mean	Max	
2020	Mixed diet	BRUSSELS (DROGENBOS)	AG-110M	BQ/D	12	0,207	0,432	0,597	0	0	0,000	0	0,43
2020	Mixed diet	BRUSSELS (DROGENBOS)	BE-7	BQ/D	12	2,074	4,825	7,136	0	0	0,000	0	4,83
2020	Mixed diet	BRUSSELS (DROGENBOS)	C-14	BQ/G-C	0	0	0,000	0	4	0,180	0,226	0,286	0,23
2020	Mixed diet	BRUSSELS (DROGENBOS)	CO-57	BQ/D	12	0,109	0,336	0,657	0	0	0,000	0	0,34
2020	Mixed diet	BRUSSELS (DROGENBOS)	CO-58	BQ/D	12	0,311	0,582	0,833	0	0	0,000	0	0,58
2020	Mixed diet	BRUSSELS (DROGENBOS)	CO-60	BQ/D	12	0,259	0,458	0,662	0	0	0,000	0	0,46
2020	Mixed diet	BRUSSELS (DROGENBOS)	CS-134	BQ/D	12	0,207	0,404	0,537	0	0	0,000	0	0,40
2020	Mixed diet	BRUSSELS (DROGENBOS)	CS-137	BQ/D	12	0,253	0,451	0,597	0	0	0,000	0	0,45
2020	Mixed diet	BRUSSELS (DROGENBOS)	K-40	BQ/D	0	0	0,000	0	12	87,903	124,051	164,580	124,05
2020	Mixed diet	BRUSSELS (DROGENBOS)	MN-54	BQ/D	12	0,259	0,447	0,654	0	0	0,000	0	0,45
2020	Mixed diet	BRUSSELS (DROGENBOS)	RA-226	BQ/D	12	0,415	0,859	1,313	0	0	0,000	0	0,86
2020	Mixed diet	BRUSSELS (DROGENBOS)	RA-228	BQ/D	12	0,985	1,726	2,515	0	0	0,000	0	1,73
2020	Mixed diet	BRUSSELS (DROGENBOS)	SR-90	BQ/D	4	0,460	0,848	1,244	0	0	0,000	0	0,85
2020	Mixed diet	BRUSSELS (DROGENBOS)	TH-228	BQ/D	11	0,311	0,723	1,015	1	10,737	10,737	10,737	1,56
2020	Mixed diet	BRUSSELS (DROGENBOS)	ZN-65	BQ/D	12	0,622	1,112	1,564	0	0	0,000	0	1,11
2020	Mixed diet	FLEURUS	AG-110M	BQ/D	11	1,478	2,659	4,792	0	0	0,000	0	2,66
2020	Mixed diet	FLEURUS	BE-7	BQ/D	11	17,161	26,204	43,229	0	0	0,000	0	26,20
2020	Mixed diet	FLEURUS	C-14	BQ/G-C	2	0,133	0,161	0,188	2	0,264	0,268	0,271	0,21
2020	Mixed diet	FLEURUS	CO-57	BQ/D	11	0,776	1,236	2,292	0	0	0,000	0	1,24
2020	Mixed diet	FLEURUS	CO-58	BQ/D	11	1,660	2,925	4,928	0	0	0,000	0	2,93
2020	Mixed diet	FLEURUS	CO-60	BQ/D	11	1,239	2,306	4,062	0	0	0,000	0	2,31
2020	Mixed diet	FLEURUS	CS-134	BQ/D	11	1,319	2,131	3,854	0	0	0,000	0	2,13
2020	Mixed diet	FLEURUS	CS-137	BQ/D	10	1,220	2,240	3,984	1	1,357	1,357	1,357	2,16
2020	Mixed diet	FLEURUS	I-131	BQ/D	11	36,709	86,363	244,735	0	0	0,000	0	86,36
2020	Mixed diet	FLEURUS	K-40	BQ/D	2	31,461	46,151	60,840	9	139,327	200,080	233,721	172,09
2020	Mixed diet	FLEURUS	MN-54	BQ/D	11	1,319	2,223	3,835	0	0	0,000	0	2,22
2020	Mixed diet	FLEURUS	NB-95	BQ/D	11	2,828	4,702	7,682	0	0	0,000	0	4,70
2020	Mixed diet	FLEURUS	RA-226	BQ/D	11	2,836	4,425	7,878	0	0	0,000	0	4,42
2020	Mixed diet	FLEURUS	RA-228	BQ/D	11	5,323	9,003	15,430	0	0	0,000	0	9,00
2020	Mixed diet	FLEURUS	SR-90	BQ/D	3	0,148	0,152	0,158	1	0,268	0,268	0,268	0,18
2020	Mixed diet	FLEURUS	TH-228	BQ/D	11	2,036	3,613	7,031	0	0	0,000	0	3,61
2020	Mixed diet	FLEURUS	ZN-65	BQ/D	11	3,210	5,426	9,505	0	0	0,000	0	5,43
2020	Mixed diet	MOL-TESSENDERLO	AG-110M	BQ/D	12	0,292	0,458	0,802	0	0	0,000	0	0,46
2020	Mixed diet	MOL-TESSENDERLO	BE-7	BQ/D	12	2,673	4,909	8,688	0	0	0,000	0	4,91
2020	Mixed diet	MOL-TESSENDERLO	C-14	BQ/G-C	0	0	0,000	0	4	0,172	0,226	0,334	0,23
2020	Mixed diet	MOL-TESSENDERLO	CO-57	BQ/D	12	0,147	0,332	0,535	0	0	0,000	0	0,33
2020	Mixed diet	MOL-TESSENDERLO	CO-58	BQ/D	12	0,334	0,568	0,943	0	0	0,000	0	0,57
2020	Mixed diet	MOL-TESSENDERLO	CO-60	BQ/D	12	0,292	0,458	0,735	0	0	0,000	0	0,46
2020	Mixed diet	MOL-TESSENDERLO	CS-134	BQ/D	12	0,267	0,414	0,694	0	0	0,000	0	0,41
2020	Mixed diet	MOL-TESSENDERLO	CS-137	BQ/D	12	0,292	0,476	0,802	0	0	0,000	0	0,48
2020	Mixed diet	MOL-TESSENDERLO	K-40	BQ/D	0	0	0,000	0	12	82,442	120,975	155,175	120,98
2020	Mixed diet	MOL-TESSENDERLO	MN-54	BQ/D	12	0,292	0,459	0,757	0	0	0,000	0	0,46
2020	Mixed diet	MOL-TESSENDERLO	RA-226	BQ/D	11	0,588	0,930	1,537	1	0,613	0,613	0,613	0,90
2020	Mixed diet	MOL-TESSENDERLO	RA-228	BQ/D	12	1,167	1,787	3,342	0	0	0,000	0	1,79
2020	Mixed diet	MOL-TESSENDERLO	SR-90	BQ/D	4	0,484	0,785	1,076	0	0	0,000	0	0,78
2020	Mixed diet	MOL-TESSENDERLO	TH-228	BQ/D	12	0,401	0,752	1,203	0	0	0,000	0	0,75
2020	Mixed diet	MOL-TESSENDERLO	ZN-65	BQ/D	12	0,700	1,120	1,804	0	0	0,000	0	1,12