ภาคผนวก ข

ตารางบัญชีรายการด้านสิ่งแวดล้อม

ตาราง ข1 บัญชีรายการด้านสิ่งแวดล้อมของกระบวนการผลิตน้ำยางข้นและยางสกิมบล๊อก 1 ตัน (คิดที่น้ำหนักยางแห้ง)

No	Substance	Compartment	Unit	Concentrated	Skim
1	Additives	Raw	kg	0.0089356	0.002339
2	Air	Raw	kg	5.1528396	0.47991
3	Aluminium, 24% in bauxite, 11% in crude ore, in ground	Raw	kg	0.0088802	0.000827
4	Aluminium, in ground	Raw	kg	0.0316521	0.008286
5	Anhydrite, in ground	Raw	kg	2.038E-05	1.9E-06
6	Animal matter	Raw	kg	3.724E-19	3.47E-20
7	Barite, 15% in crude ore, in ground	Raw	kg	0.0106556	0.000992
8	Baryte, in ground	Raw	kg	0.0701718	0.007155
9	Basalt, in ground	Raw	kg	0.0016734	0.000156
10	Bauxite, in ground	Raw	kg	0.1726743	0.016535
11	Biomass	Raw	kg	0.2740565	0.025524
12	Borax, in ground	Raw	kg	1.982E-08	1.85E-09
13	Cadmium, 0.30% in sulfide, Cd 0.18%, Pb, Zn, Ag, In, in ground	Raw	kg	1.45E-06	1.35E-07
14	Calcite, in ground	Raw	kg	0.6253448	0.058242
15	Calcium sulfate, in ground	Raw	kg	3.374E-08	3.14E-09
16	Carbon dioxide, in air	Raw	kg	2.8095597	0.261669
17	Carbon, in organic matter, in soil	Raw	kg	0.0530708	0.004943
18	Cerium, 24% in bastnasite, 2.4% in crude ore, in ground	Raw	kg	5.122E-18	4.77E-19
19	Chromium, 25.5% in chromite, 11.6% in crude ore, in ground	Raw	kg	0.0050923	0.000474
20	Chromium, in ground	Raw	kg	0.0126284	0.002111
21	Chrysotile, in ground	Raw	kg	4.043E-06	3.77E-07
22	Cinnabar, in ground	Raw	kg	4.447E-07	4.14E-08
23	Clay, bentonite, in ground	Raw	kg	0.0283428	0.002815
24	Clay, unspecified, in ground	Raw	kg	0.6677907	0.062195
25	Coal, 18 MJ per kg, in ground	Raw	kg	3.4681203	0.338555
26	Coal, 26.4 MJ per kg, in ground	Raw	kg	x	0.098692
27	Coal, 29.3 MJ per kg, in ground	Raw	kg	0.0620483	0.016244
28	Coal, brown, 10 MJ per kg, in ground	Raw	kg	31.585914	8.268983

No	Substance	Compartment	Unit	Concentrated	Skim
29	Coal, brown, 8 MJ per kg, in ground	Raw	kg	2.0252579	0.216146
30	Coal, brown, in ground	Raw	kg	1.0804179	0.100625
31	Coal, hard, unspecified, in ground	Raw	kg	1.1618382	0.108208
32	Cobalt, in ground	Raw	kg	3.783E-08	3.52E-09
33	Colemanite, in ground	Raw	kg	4.183E-05	3.9E-06
34	Copper, 0.99% in sulfide, Cu 0.36% and Mo 8.2E-3% in crude ore, in ground	Raw	kg	0.0005855	5.45E-05
35	Copper, 1.18% in sulfide, Cu 0.39% and Mo 8.2E-3% in crude ore, in ground	Raw	kg	0.0029677	0.000276
36	Copper, 1.42% in sulfide, Cu 0.81% and Mo 8.2E-3% in crude ore, in ground	Raw	kg	0.0007872	7.33E-05
37	Copper, 2.19% in sulfide, Cu 1.83% and Mo 8.2E-3% in crude ore, in ground	Raw	kg	0.0039432	0.000367
38	Copper, in ground	Raw	kg	0.0112545	0.001048
39	Diatomite, in ground	Raw	kg	4.901E-10	4.56E-11
40	Dolomite, in ground	Raw	kg	0.0074852	0.000697
41	Energy, from biomass	Raw	MJ	2.4253612	0.225886
42	Energy, from coal	Raw	MJ	36.701508	3.418199
43	Energy, from coal, brown	Raw	MJ	2.119E-05	1.97E-06
44	Energy, from gas, natural	Raw	MJ	1152.7896	107.3652
45	Energy, from hydro power	Raw	MJ	13.863674	1.302705
46	Energy, from hydrogen	Raw	MJ	0.0095401	0.000889
47	Energy, from oil	Raw	MJ	86.861043	8.089813
48	Energy, from peat	Raw	MJ	0.0002374	2.21E-05
49	Energy, from sulfur	Raw	MJ	0.029421	0.00274
50	Energy, from uranium	Raw	MJ	19.659134	1.838601
51	Energy, from wood	Raw	MJ	0.0010985	0.000102
52	Energy, geothermal	Raw	MJ	0.0007712	7.18E-05
53	Energy, gross calorific value, in biomass	Raw	MJ	46.419196	4.323257
54	Energy, gross calorific value, in biomass, primary forest	Raw	MJ	3.6792939	0.342671
55	Energy, kinetic (in wind), converted	Raw	MJ	0.6004775	0.055926
56	Energy, potential (in hydropower reservoir), converted	Raw	MJ	14.62487	1.449444
57	Energy, recovered	Raw	MJ	-128.09611	-11.9302
58	Energy, solar	Raw	MJ	0.0008182	7.62E-05
59	Energy, solar, converted	Raw	MJ	0.0063693	0.000593
60	Energy, unspecified	Raw	MJ	34.665852	9.074586
61	Feldspar, in ground	Raw	kg	3.04E-09	2.83E-10
62	Ferromanganese	Raw	kg	7.176E-07	6.68E-08
63	Field latex	Raw	kg	3123.0049	290.8614

No	Substance	Compartment	Unit	Concentrated	Skim
64	Fluorine, 4.5% in apatite, 1% in crude ore, in ground	Raw	kg	5.52E-05	5.14E-06
65	Fluorine, 4.5% in apatite, 3% in crude ore, in ground	Raw	kg	0.2299985	0.021421
66	Fluorspar, 92%, in ground	Raw	kg	0.0007549	7.03E-05
67	Fluorspar, in ground	Raw	kg	0.0001171	1.09E-05
68	Gadolinium, 0.15% in bastnasite, 0.015% in crude ore, in ground	Raw	kg	-5.997E-27	-5.6E-28
69	Gallium, 0.014% in bauxite, in ground	Raw	kg	1.807E-11	1.68E-12
70	Gas, mine, off-gas, process, coal mining/kg	Raw	kg	0.0261127	0.002432
71	Gas, mine, off-gas, process, coal mining/m3	Raw	m^3	0.0095346	0.000888
72	Gas, natural, 30.3 MJ per kg, in ground	Raw	kg	24.05407	6.297821
73	Gas, natural, 35 MJ per m3, in ground	Raw	m^3	0.4712961	0.067424
74	Gas, natural, 46.8 MJ per kg, in ground	Raw	kg	x	0.402362
75	Gas, natural, in ground	Raw	m^3	8.3353609	0.776315
76	Gas, off-gas, oil production, in ground	Raw	m^3	1.174E-05	3.07E-06
77	Gas, petroleum, 35 MJ per m3, in ground	Raw	m^3	1.0299395	0.095924
78	Gold, Au 1.1E-4%, Ag 4.2E-3%, in ore, in ground	Raw	kg	2.942E-08	2.74E-09
79	Gold, Au 1.3E-4%, Ag 4.6E-5%, in ore, in ground	Raw	kg	5.395E-08	5.02E-09
80	Gold, Au 1.4E-4%, in ore, in ground	Raw	kg	6.46E-08	6.02E-09
81	Gold, Au 2.1E-4%, Ag 2.1E-4%, in ore, in ground	Raw	kg	9.867E-08	9.19E-09
82	Gold, Au 4.3E-4%, in ore, in ground	Raw	kg	2.445E-08	2.28E-09
83	Gold, Au 4.9E-5%, in ore, in ground	Raw	kg	5.857E-08	5.46E-09
84	Gold, Au 6.7E-4%, in ore, in ground	Raw	kg	9.068E-08	8.45E-09
85	Gold, Au 7.1E-4%, in ore, in ground	Raw	kg	1.022E-07	9.52E-09
86	Gold, Au 9.7E-4%, Ag 9.7E-4%, Zn 0.63%, Cu 0.38%, Pb 0.014%, in ore, in ground	Raw	kg	6.127E-09	5.71E-10
87	Granite, in ground	Raw	kg	2.14E-11	1.99E-12
88	Gravel, in ground	Raw	kg	61.405769	5.745153
89	Gypsum, in ground	Raw	kg	0.0027567	0.000699
90	Helium, 0.08% in natural gas, in ground	Raw	kg	9.124E-11	8.5E-12
91	Indium, 0.005% in sulfide, In 0.003%, Pb, Zn, Ag, Cd, in ground	Raw	kg	2.501E-08	2.33E-09
92	Iron ore, in ground	Raw	kg	0.0286403	0.007498
93	Iron, 46% in ore, 25% in crude ore, in ground	Raw	kg	0.3382038	0.031499
94	Iron, in ground	Raw	kg	1.7931568	0.182228
95	Kaolinite, 24% in crude ore, in ground	Raw	kg	2.753E-05	2.56E-06
96	Kieserite, 25% in crude ore, in ground	Raw	kg	1.882E-07	1.75E-08
97	Land use II-III	Raw	m^{2a}	0.89376	0.08324
98	Land use II-III, sea floor	Raw	m^{2a}	1.0585943	0.098592
99	Land use II-IV	Raw	m^{2a}	1.4631209	0.136268

No	Substance	Compartment	Unit	Concentrated	Skim
100	Land use II-IV, sea floor	Raw	m^{2a}	0.1092605	0.010176
101	Land use III-IV	Raw	m^{2a}	2.9715548	0.276756
102	Land use IV-IV	Raw	m^{2a}	0.0011179	0.000104
103	Lanthanum, 7.2% in bastnasite, 0.72% in crude ore, in ground	Raw	kg	8.759E-18	8.16E-19
104	Lead, 5.0% in sulfide, Pb 3.0%, Zn, Ag, Cd, In, in ground	Raw	kg	0.0001155	1.08E-05
105	Lead, in ground	Raw	kg	0.0364316	0.003393
106	Limestone, in ground	Raw	kg	0.0153781	0.009692
107	Magnesite, 60% in crude ore, in ground	Raw	kg	0.0044225	0.000412
108	Magnesium, 0.13% in water	Raw	kg	1.342E-07	1.25E-08
109	Magnesium, in ground	Raw	kg	1.449E-30	1.35E-31
110	Manganese, 35.7% in sedimentary deposit, 14.2% in crude ore, in ground	Raw	kg	0.0006163	5.74E-05
111	Manganese, in ground	Raw	kg	0.3035481	0.079054
112	Marl, in ground	Raw	kg	2.0717336	0.204733
113	Mercury, in ground	Raw	kg	3.764E-08	3.51E-09
114	Metamorphous rock, graphite containing, in ground	Raw	kg	1.212E-05	1.13E-06
115	Methane	Raw	kg	0.0222262	0.005819
116	Molybdenum, 0.010% in sulfide, Mo 8.2E-3% and Cu 1.83% in crude ore, in ground	Raw	kg	7.328E-05	6.82E-06
117	Molybdenum, 0.014% in sulfide, Mo 8.2E-3% and Cu 0.81% in crude ore, in ground	Raw	kg	1.034E-05	9.63E-07
118	Molybdenum, 0.022% in sulfide, Mo 8.2E-3% and Cu 0.36% in crude ore, in ground	Raw	kg	0.0002198	2.05E-05
119	Molybdenum, 0.025% in sulfide, Mo 8.2E-3% and Cu 0.39% in crude ore, in ground	Raw	kg	3.789E-05	3.53E-06
120	Molybdenum, 0.11% in sulfide, Mo 4.1E-2% and Cu 0.36% in crude ore, in ground	Raw	kg	0.0004434	4.13E-05
121	Molybdenum, in ground	Raw	kg	3.897E-08	8.37E-09
122	Neodymium, 4% in bastnasite, 0.4% in crude ore, in ground	Raw	kg	-1.54E-18	-1.4E-19
123	Nickel, 1.13% in sulfide, Ni 0.76% and Cu 0.76% in crude ore, in ground	Raw	kg	0.0001383	1.29E-05
124	Nickel, 1.98% in silicates, 1.04% in crude ore, in ground	Raw	kg	0.0151656	0.001412
125	Nickel, in ground	Raw	kg	0.005146	0.000645
126	Nitrogen, in air	Raw	kg	0.4266052	0.039732
127	Occupation, arable	Raw	m^{2a}	0.0001511	3.96E-05
128	Occupation, arable, non-irrigated	Raw	m^{2a}	0.7597813	0.070762
129	Occupation, construction site	Raw	m^{2a}	0.0063382	0.00059

No	Substance	Compartment	Unit	Concentrated	Skim
130	Occupation, dump site	Raw	m^{2a}	0.0193019	0.001798
131	Occupation, dump site, benthos	Raw	m^{2a}	0.0017504	0.000163
132	Occupation, forest	Raw	m^{2a}	1.745E-08	4.57E-09
133	Occupation, forest, intensive	Raw	m^{2a}	0.0027876	0.00026
134	Occupation, forest, intensive, normal	Raw	m^{2a}	0.2474128	0.023043
135	Occupation, forest, intensive, short-cycle	Raw	m^{2a}	0.9229505	0.085959
136	Occupation, industrial area	Raw	m^{2a}	0.0377985	0.008826
137	Occupation, industrial area, benthos	Raw	m^{2a}	1.674E-05	1.56E-06
138	Occupation, industrial area, built up	Raw	m^{2a}	0.0273623	0.002548
139	Occupation, industrial area, vegetation	Raw	m^{2a}	0.0058504	0.000545
140	Occupation, mineral extraction site	Raw	m^{2a}	0.0344587	0.003209
141	Occupation, permanent crop, fruit, intensive	Raw	m^{2a}	2.1434734	0.199633
142	Occupation, shrub land, sclerophyllous	Raw	m^{2a}	0.0003198	2.98E-05
143	Occupation, traffic area	Raw	m^{2a}	0.0007304	0.000191
144	Occupation, traffic area, rail embankment	Raw	m^{2a}	0.0040667	0.000379
145	Occupation, traffic area, rail network	Raw	m^{2a}	0.0044969	0.000419
146	Occupation, traffic area, road embankment	Raw	m^{2a}	0.0033559	0.000313
147	Occupation, traffic area, road network	Raw	m^{2a}	0.0073092	0.000681
148	Occupation, urban, continuously built	Raw	m^{2a}	0.0011239	0.000294
149	Occupation, urban, discontinuously built	Raw	m^{2a}	0.0016357	0.000152
150	Occupation, water bodies, artificial	Raw	m^{2a}	0.007715	0.000719
151	Occupation, water courses, artificial	Raw	m^{2a}	0.0041828	0.00039
152	Oil, crude, 41 MJ per kg, in ground	Raw	kg	0.0029408	0.00077
153	Oil, crude, 42 MJ per kg, in ground	Raw	kg	x	5.797804
154	Oil, crude, 42.6 MJ per kg, in ground	Raw	kg	15.288006	1.877613
155	Oil, crude, 42.7 MJ per kg, in ground	Raw	kg	6.8526628	1.793982
156	Oil, crude, in ground	Raw	kg	3.3398004	0.311053
157	Olivine, in ground	Raw	kg	1.438E-05	1.34E-06
158	Oxygen, in air	Raw	kg	1.449E-05	1.35E-06
159	Palladium, in ground	Raw	kg	1.66E-08	1.55E-09
160	Pd, Pd 2.0E-4%, Pt 4.8E-4%, Rh 2.4E-5%, Ni 3.7E-2%, Cu 5.2E-2% in ore, in ground	Raw	kg	7.138E-09	6.65E-10
161	Pd, Pd 7.3E-4%, Pt 2.5E-4%, Rh 2.0E-5%, Ni 2.3E+0%, Cu 3.2E+0% in ore, in ground	Raw	kg	1.715E-08	1.6E-09
162	Peat, in ground	Raw	kg	0.0006534	6.09E-05
163	Phosphorus pentoxide	Raw	kg	1.507E-12	1.4E-13
164	Phosphorus, 18% in apatite, 12% in crude ore, in ground	Raw	kg	0.9161328	0.085324
165	Phosphorus, 18% in apatite, 4% in crude ore, in ground	Raw	kg	0.0002208	2.06E-05
166	Platinum, in ground	Raw	kg	2.005E-08	1.87E-09

No	Substance	Compartment	Unit	Concentrated	Skim
167	Potassium chloride	Raw	kg	2.511E-07	2.34E-08
168	Praseodymium, 0.42% in bastnasite, 0.042% in crude ore,	Raw	kg	3.748E-24	3.49E-25
169	Pt, Pt 2.5E-4%, Pd 7.3E-4%, Rh 2.0E-5%, Ni 2.3E+0%, Cu 3.2E+0% in ore, in ground	Raw	kg	8.986E-11	8.37E-12
170	Pt, Pt 4.8E-4%, Pd 2.0E-4%, Rh 2.4E-5%, Ni 3.7E-2%, Cu 5.2E-2% in ore, in ground	Raw	kg	3.221E-10	3E-11
171	Rh, Rh 2.0E-5%, Pt 2.5E-4%, Pd 7.3E-4%, Ni 2.3E+0%, Cu 3.2E+0% in ore, in ground	Raw	kg	3.504E-11	3.26E-12
172	Rh, Rh 2.4E-5%, Pt 4.8E-4%, Pd 2.0E-4%, Ni 3.7E-2%, Cu 5.2E-2% in ore, in ground	Raw	kg	1.097E-10	1.02E-11
173	Rhenium, in crude ore, in ground	Raw	kg	8.624E-11	8.03E-12
174	Rhenium, in ground	Raw	kg	1.423E-08	1.33E-09
175	Rhodium, in ground	Raw	kg	1.793E-08	1.67E-09
176	Rutile, in ground	Raw	kg	1.266E-32	1.18E-33
177	Samarium, 0.3% in bastnasite, 0.03%	Raw	kg	-1.018E-25	-9.5E-27
178	Sand, quartz, in ground	Raw	kg	6.155E-38	5.73E-39
179	Sand, unspecified, in ground	Raw	kg	0.194554	0.038562
180	Shale, in ground	Raw	kg	5.779E-05	5.38E-06
181	Silicon, in ground	Raw	kg	0.2759876	0.072252
182	Silver, 0.007% in sulfide, Ag 0.004%, Pb, Zn, Cd, In, in ground	Raw	kg	6.51E-07	6.06E-08
183	Silver, 3.2ppm in sulfide, Ag 1.2ppm, Cu and Te, in crude ore, in ground	Raw	kg	4.644E-07	4.32E-08
184	Silver, Ag 2.1E-4%, Au 2.1E-4%, in ore, in ground	Raw	kg	4.287E-08	3.99E-09
185	Silver, Ag 4.2E-3%, Au 1.1E-4%, in ore, in ground	Raw	kg	9.792E-08	9.12E-09
186	Silver, Ag 4.6E-5%, Au 1.3E-4%, in ore, in ground	Raw	kg	9.598E-08	8.94E-09
187	Silver, Ag 9.7E-4%, Au 9.7E-4%, Zn 0.63%, Cu 0.38%, Pb 0.014%, in ore, in ground	Raw	kg	6.333E-08	5.9E-09
188	Silver, in ground	Raw	kg	4.494E-05	4.19E-06
189	Sodium chloride, in ground	Raw	kg	1.126304	0.104898
190	Sodium nitrate	Raw	kg	4.353E-30	4.05E-31
191	Sodium nitrate, in ground	Raw	kg	2.249E-10	2.09E-11
192	Sodium sulphate, various forms, in ground	Raw	kg	0.0001958	1.82E-05
193	Stibnite, in ground	Raw	kg	5.093E-11	4.74E-12
194	Sulfur dioxide, secondary	Raw	kg	x	10.60097
195	Sulfur, bonded	Raw	kg	2.543E-08	2.37E-09
196	Sulfur, in ground	Raw	kg	0.0038878	0.000362
197	Sylvite, 25 % in sylvinite, in ground	Raw	kg	0.0400644	0.003731
198	Talc, in ground	Raw	kg	3.024E-06	2.82E-07

No	Substance	Compartment	Unit	Concentrated	Skim
199	Tantalum, 81.9% in tantalite, 1.6E-4%	Raw	kg	5.136E-07	4.78E-08
200	Tellurium, 0.5ppm in sulfide, Te 0.2ppm, Cu and Ag, in crude ore, in ground	Raw	kg	6.966E-08	6.49E-09
201	Tin, 79% in cassiterite, 0.1% in crude ore, in ground	Raw	kg	2.337E-05	2.18E-06
202	Tin, in ground	Raw	kg	2.497E-05	2.33E-06
203	TiO2, 54% in ilmenite, 2.6% in crude ore, in ground	Raw	kg	0.0005671	5.28E-05
204	TiO2, 95% in rutile, 0.40% in crude ore, in ground	Raw	kg	3.867E-09	3.6E-10
205	Transformation, from arable	Raw	m^2	5.549E-06	5.17E-07
206	Transformation, from arable, non-irrigated	Raw	m^2	1.4042337	0.130783
207	Transformation, from arable, non-irrigated, fallow	Raw	m^2	1.049E-06	9.77E-08
208	Transformation, from dump site, inert material landfill	Raw	m^2	3.587E-05	3.34E-06
209	Transformation, from dump site, residual material landfill	Raw	m^2	2.707E-05	2.52E-06
210	Transformation, from dump site, sanitary landfill	Raw	m^2	7.697E-07	7.17E-08
211	Transformation, from dump site, slag compartment	Raw	m^2	2.083E-07	1.94E-08
212	Transformation, from forest	Raw	m^2	0.0024397	0.000227
213	Transformation, from forest, extensive	Raw	m^2	0.0321931	0.002998
214	Transformation, from forest, intensive, clear-cutting	Raw	m^2	0.0329627	0.00307
215	Transformation, from industrial area	Raw	m^2	3.633E-05	3.38E-06
216	Transformation, from industrial area, benthos	Raw	m	1.977E-07	1.84E-08
217	Transformation, from industrial area, built up	Raw	m^2	7.86E-08	7.32E-09
218	Transformation, from industrial area, vegetation	Raw	m^2	1.341E-07	1.25E-08
219	Transformation, from mineral extraction site	Raw	m^2	0.0015644	0.000146
220	Transformation, from pasture and meadow	Raw	m^2	0.0015968	0.000149
221	Transformation, from pasture and meadow, intensive	Raw	m^2	0.001146	0.000107
222	Transformation, from sea and ocean	Raw	m^2	0.001752	0.000163
223	Transformation, from shrub land, sclerophyllous	Raw	m^2	8.088E-05	7.53E-06
224	Transformation, from tropical rain forest	Raw	m^2	0.0329627	0.00307
225	Transformation, from unknown	Raw	m^2	0.0015608	0.000145
226	Transformation, to arable	Raw	m^2	0.000374	3.48E-05
227	Transformation, to arable, non-irrigated	Raw	m^2	1.4053796	0.13089
228	Transformation, to arable, non-irrigated, fallow	Raw	m^2	2.19E-06	2.04E-07
229	Transformation, to dump site	Raw	m^2	0.0001426	1.33E-05
230	Transformation, to dump site, benthos	Raw	m^2	0.0017504	0.000163
231	Transformation, to dump site, inert material landfill	Raw	m^2	3.587E-05	3.34E-06
232	Transformation, to dump site, residual material landfill	Raw	m^2	2.707E-05	2.52E-06
233	Transformation, to dump site, sanitary landfill	Raw	m^2	7.697E-07	7.17E-08
234	Transformation, to dump site, slag compartment	Raw	m^2	2.083E-07	1.94E-08
235	Transformation, to forest	Raw	m^2	0.0001424	1.33E-05
236	Transformation, to forest, intensive	Raw	m^2	1.857E-05	1.73E-06

No	Substance	Compartment	Unit	Concentrated	Skim
237	Transformation, to forest, intensive, clear-cutting	Raw	m^2	0.0329627	0.00307
238	Transformation, to forest, intensive, normal	Raw	m^2	0.0019799	0.000184
239	Transformation, to forest, intensive, short-cycle	Raw	m^2	0.0329627	0.00307
240	Transformation, to heterogeneous, agricultural	Raw	m^2	0.0001154	1.07E-05
241	Transformation, to industrial area	Raw	m^2	0.0005318	0.00012
242	Transformation, to industrial area, benthos	Raw	m^2	1.665E-06	1.55E-07
243	Transformation, to industrial area, built up	Raw	m^2	0.0004076	3.8E-05
244	Transformation, to industrial area, vegetation	Raw	m^2	0.0001217	1.13E-05
245	Transformation, to mineral extraction site	Raw	m^2	0.0040197	0.000374
246	Transformation, to pasture and meadow	Raw	m^2	0.001435	0.000134
247	Transformation, to permanent crop, fruit, intensive	Raw	m^2	0.030174	0.00281
248	Transformation, to sea and ocean	Raw	m^2	1.977E-07	1.84E-08
249	Transformation, to shrub land, sclerophyllous	Raw	m^2	6.391E-05	5.95E-06
250	Transformation, to traffic area, rail embankment	Raw	m^2	9.463E-06	8.81E-07
251	Transformation, to traffic area, rail network	Raw	m^2	1.04E-05	9.69E-07
252	Transformation, to traffic area, road embankment	Raw	m^2	2.209E-05	2.06E-06
253	Transformation, to traffic area, road network	Raw	m^2	6.244E-05	5.82E-06
254	Transformation, to unknown	Raw	m^2	3.553E-05	3.31E-06
255	Transformation, to urban, continuously built	Raw	m^2	1.592E-05	4.17E-06
256	Transformation, to urban, discontinuously built	Raw	m^2	3.258E-05	3.03E-06
257	Transformation, to water bodies, artificial	Raw	m^2	0.0001525	1.42E-05
258	Transformation, to water courses, artificial	Raw	m^2	4.605E-05	4.29E-06
259	Ulexite, in ground	Raw	kg	1.062E-06	9.89E-08
260	Unspecified input	Raw	kg	6.782E-47	6.32E-48
261	Uranium ore, 1.11 GJ per kg, in ground	Raw	kg	1.583E-08	4.14E-09
262	Uranium, 2291 GJ per kg, in ground	Raw	kg	x	4.02E-07
263	Uranium, 451 GJ per kg, in ground	Raw	kg	2.042E-08	1.36E-06
264	Uranium, 560 GJ per kg, in ground	Raw	kg	0.0001371	1.28E-05
265	Uranium, in ground	Raw	kg	5.789E-05	5.39E-06
266	Vermiculite, in ground	Raw	kg	4.751E-07	4.42E-08
267	Volume occupied, final repository for low-active radioactive waste	Raw	m^3	9.334E-08	8.69E-09
268	Volume occupied, final repository for radioactive waste	Raw	m^3	2.343E-08	2.18E-09
269	Volume occupied, reservoir	Raw	m^{3y}	0.2944943	0.027428
270	Volume occupied, underground deposit	Raw	m^3	7.745E-05	7.21E-06
271	Water, cooling, salt, ocean	Raw	kg	0.0202941	0.00189
272	Water, cooling, surface	Raw	kg	2361.2463	219.9149
273	Water, cooling, unspecified natural origin/kg	Raw	kg	0.3548476	0.033049
274	Water, cooling, unspecified natural origin/m3	Raw	m^3	0.5648062	0.052603

No	Substance	Compartment	Unit	Concentrated	Skim
275	Water, cooling, well, in ground	Raw	kg	7.285E-07	6.78E-08
276	Water, lake	Raw	m^3	0.0005623	5.24E-05
277	Water, process, drinking	Raw	kg	108.04042	10.06236
278	Water, process, salt, ocean	Raw	kg	0.0021351	0.000199
279	Water, process, surface	Raw	kg	907.01807	90.88573
280	Water, process, unspecified natural origin/kg	Raw	kg	2.7823877	0.259138
281	Water, process, well, in ground	Raw	kg	14.391923	1.340393
282	Water, river	Raw	m^3	0.19737	0.018382
283	Water, salt, ocean	Raw	m^3	0.0086748	0.000808
284	Water, salt, sole	Raw	m^3	0.0005673	5.28E-05
285	Water, turbine use, unspecified natural origin	Raw	m^3	83.263092	7.754717
286	Water, unspecified natural origin/kg	Raw	kg	436.51122	40.78769
287	Water, unspecified natural origin/m3	Raw	m^3	0.2669545	0.024863
288	Water, well, in ground	Raw	m^3	0.0233666	0.002176
289	Wood and wood waste, 9.5 MJ per kg	Raw	kg	x	0.004145
290	Wood, dry matter	Raw	kg	0.133813	0.012463
291	Wood, hard, standing	Raw	m^3	2.915E-05	2.72E-06
292	Wood, primary forest, standing	Raw	m^3	0.0003413	3.18E-05
293	Wood, soft, standing	Raw	m^3	0.0001401	1.3E-05
294	Wood, unspecified, standing/kg	Raw	kg	0.033157	0.008828
295	Wood, unspecified, standing/m3	Raw	m^3	1.742E-07	1.62E-08
296	Zeolite, in ground	Raw	kg	1.351E-08	3.54E-09
297	Zinc, 9.0% in sulfide, Zn 5.3%, Pb, Ag, Cd, In, in ground	Raw	kg	0.0025268	0.000235
298	Zinc, in ground	Raw	kg	0.000816	7.6E-05
299	Zirconium, 50% in zircon, 0.39% in crude ore, in ground	Raw	kg	7.049E-07	6.56E-08
300	1-Propanol	Air	kg	8.21E-11	7.65E-12
301	1,4-Butanediol	Air	kg	1.71E-10	1.59E-11
302	2-Propanol	Air	kg	3.198E-06	2.98E-07
303	Acenaphthene	Air	kg	7.557E-12	7.04E-13
304	Acetaldehyde	Air	kg	0.0001413	1.32E-05
305	Acetic acid	Air	kg	0.0029849	0.000278
306	Acetone	Air	kg	0.3377802	0.088404
307	Acetonitrile	Air	kg	3.584E-05	3.34E-06
308	Acrolein	Air	kg	1.98E-08	5.41E-09
309	Acrylic acid	Air	kg	8.274E-09	7.71E-10
310	Actinides, radioactive, unspecified	Air	Bq	0.0009893	9.21E-05
311	Aerosols, radioactive, unspecified	Air	Bq	0.0193964	0.001806
312	Aldehydes, unspecified	Air	kg	1.937E-05	0.000359
313	Aluminum	Air	kg	0.0004385	4.09E-05

No	Substance	Compartment	Unit	Concentrated	Skim
314	Americium-241	Air	Bq	0.0010553	9.83E-05
315	Ammonia	Air	kg	0.0032937	0.000337
316	Ammonium carbonate	Air	kg	7.841E-08	7.3E-09
317	Antimony	Air	kg	5.161E-07	7.69E-08
318	Antimony-124	Air	Bq	1.569E-05	1.46E-06
319	Antimony-125	Air	Bq	3.809E-06	3.55E-07
320	Argon-41	Air	Bq	132.6674	12.35599
321	Arsenic	Air	kg	1.468E-05	1.43E-06
322	Arsine	Air	kg	9.644E-14	8.98E-15
323	Asbestos	Air	kg	1.88E-17	1.75E-18
324	Barium	Air	kg	2.748E-06	2.56E-07
325	Barium-140	Air	Bq	0.000338	3.15E-05
326	Benzal chloride	Air	kg	4.9E-16	4.56E-17
327	Benzaldehyde	Air	kg	6.794E-09	6.33E-10
328	Benzene	Air	kg	0.0016539	0.000159
329	Benzene, ethyl-	Air	kg	3.798E-05	3.55E-06
330	Benzene, hexachloro-	Air	kg	3.153E-09	2.94E-10
331	Benzene, pentachloro-	Air	kg	3.661E-10	3.41E-11
332	Benzo(a)pyrene	Air	kg	3.096E-07	3.16E-08
333	Beryllium	Air	kg	2.836E-08	6.82E-09
334	Boron	Air	kg	0.0001066	9.93E-06
335	Boron trifluoride	Air	kg	7.198E-16	6.7E-17
336	Bromine	Air	kg	1.263E-05	1.18E-06
337	Butadiene	Air	kg	9.448E-11	8.8E-12
338	Butane	Air	kg	0.0013663	0.000127
339	Butanol	Air	kg	5.3E-13	4.94E-14
340	Butene	Air	kg	0.0005079	4.73E-05
341	Butyrolactone	Air	kg	4.947E-11	4.61E-12
342	Cadmium	Air	kg	4.485E-06	1.02E-06
343	Calcium	Air	kg	0.0002401	2.24E-05
344	Carbon-14	Air	Bq	166.43569	15.50101
345	Carbon dioxide	Air	kg	168.28183	25.27016
346	Carbon dioxide, biogenic	Air	kg	1.4742742	0.141938
347	Carbon dioxide, fossil	Air	kg	21.616594	21.47466
348	Carbon dioxide, land transformation	Air	kg	0.5093925	0.047442
349	Carbon disulfide	Air	kg	6.17E-05	5.75E-06
350	Carbon monoxide	Air	kg	0.1697934	0.09932
351	Carbon monoxide, biogenic	Air	kg	0.000731	6.81E-05
352	Carbon monoxide, fossil	Air	kg	0.045314	0.00422

No	Substance	Compartment	Unit	Concentrated	Skim
353	Cerium-141	Air	Bq	3.276E-05	3.05E-06
354	Cerium-144	Air	Bq	0.0112235	0.001045
355	Cesium-134	Air	Bq	0.0401041	0.003735
356	Cesium-137	Air	Bq	0.0774256	0.007211
357	Chlorinated fluorocarbons, soft	Air	kg	1.57E-10	1.46E-11
358	Chlorine	Air	kg	3.02E-05	7.78E-06
359	Chloroform	Air	kg	1.604E-08	1.49E-09
360	Chlorosilane, trimethyl-	Air	kg	1.486E-10	1.38E-11
361	Chromium	Air	kg	2.54E-05	2.44E-06
362	Chromium-51	Air	Bq	0.0002007	1.87E-05
363	Chromium VI	Air	kg	4.462E-07	4.16E-08
364	Cobalt	Air	kg	2.993E-06	3.62E-07
365	Cobalt-57	Air	Bq	9.689E-08	9.02E-09
366	Cobalt-58	Air	Bq	0.001606	0.00015
367	Cobalt-60	Air	Bq	0.0024135	0.000225
368	Copper	Air	kg	2.544E-05	2.39E-06
369	Cumene	Air	kg	0.00056	5.22E-05
370	Curium-242	Air	Bq	5.546E-09	5.16E-10
371	Curium-244	Air	Bq	5.035E-08	4.69E-09
372	Curium alpha	Air	Bq	0.0016751	0.000156
373	Cyanide	Air	kg	6.064E-05	5.65E-06
374	Dinitrogen monoxide	Air	kg	0.0095428	0.001526
375	Dioxins, measured as 2,3,7,8-tetrachlorodibenzo-p-dioxin	Air	kg	2.129E-11	3.56E-12
376	Ethane	Air	kg	0.0017047	0.000159
377	Ethane, 1,1-difluoro-, HFC-152a	Air	kg	2.346E-09	2.19E-10
378	Ethane, 1,1,1-trichloro-, HCFC-140	Air	kg	9.553E-12	8.9E-13
379	Ethane, 1,1,1,2-tetrafluoro-, HFC-134a	Air	kg	2.821E-09	2.63E-10
380	Ethane, 1,1,2-trichloro-1,2,2-trifluoro-, CFC-113	Air	kg	3.927E-10	3.66E-11
381	Ethane, 1,2-dichloro-	Air	kg	3.959E-05	3.69E-06
382	Ethane, 1,2-dichloro-1,1,2,2-tetrafluoro-, CFC-114	Air	kg	1.18E-06	1.1E-07
383	Ethane, chloro-	Air	kg	5.936E-09	5.53E-10
384	Ethane, dichloro-	Air	kg	2.615E-07	2.44E-08
385	Ethane, hexafluoro-, HFC-116	Air	kg	2.069E-06	1.93E-07
386	Ethanol	Air	kg	1.42E-05	1.32E-06
387	Ethene	Air	kg	0.0164441	0.001532
388	Ethene, chloro-	Air	kg	6.81E-06	6.34E-07
389	Ethene, tetrachloro-	Air	kg	2.379E-11	3.49E-09
390	Ethene, trichloro-	Air	kg	x	3.34E-09
391	Ethyl acetate	Air	kg	1.484E-05	1.38E-06

No	Substance	Compartment	Unit	Concentrated	Skim
392	Ethyl cellulose	Air	kg	3.004E-08	2.8E-09
393	Ethylene diamine	Air	kg	3.679E-12	3.43E-13
394	Ethylene oxide	Air	kg	7.215E-06	6.72E-07
395	Ethyne	Air	kg	8.332E-05	7.76E-06
396	Fluoranthene	Air	kg	5.002E-08	1.31E-08
397	Fluorine	Air	kg	7.614E-07	7.1E-08
398	Fluosilicic acid	Air	kg	2.267E-07	2.11E-08
399	Formaldehyde	Air	kg	0.0002889	0.005341
400	Formic acid	Air	kg	0.0002397	2.23E-05
401	Furan	Air	kg	6.806E-05	6.34E-06
402	Heat, waste	Air	MJ	1092.2133	101.7391
403	Helium	Air	kg	0.0010407	9.69E-05
404	Heptane	Air	kg	0.0002703	2.52E-05
405	Hexane	Air	kg	0.0021072	0.000196
406	Hydrocarbons, aliphatic, alkanes, cyclic	Air	kg	2.223E-05	2.07E-06
407	Hydrocarbons, aliphatic, alkanes, unspecified	Air	kg	0.0005099	4.75E-05
408	Hydrocarbons, aliphatic, alkenes, unspecified	Air	kg	2.192E-05	2.04E-06
409	Hydrocarbons, aliphatic, unsaturated	Air	kg	3.04E-05	2.83E-06
410	Hydrocarbons, aromatic	Air	kg	0.0001322	2.32E-05
411	Hydrocarbons, chlorinated	Air	kg	4.094E-07	3.82E-08
412	Hydrocarbons, unspecified	Air	kg	0.0447194	0.007156
413	Hydrogen	Air	kg	0.0009911	9.23E-05
414	Hydrogen-3, Tritium	Air	Bq	1334.6464	124.3024
415	Hydrogen chloride	Air	kg	0.0026293	0.000298
416	Hydrogen cyanide	Air	kg	7.238E-21	6.74E-22
417	Hydrogen fluoride	Air	kg	0.000435	4.63E-05
418	Hydrogen peroxide	Air	kg	2.225E-08	2.07E-09
419	Hydrogen sulfide	Air	kg	0.0002557	2.38E-05
420	Iodine	Air	kg	5.381E-06	5.01E-07
421	Iodine-129	Air	Bq	0.3824206	0.035617
422	Iodine-131	Air	Bq	3.9756987	0.370277
423	Iodine-133	Air	Bq	0.018946	0.001765
424	Iodine-135	Air	Bq	0.0282253	0.002629
425	Iron	Air	kg	0.0002054	1.91E-05
426	Iron-59	Air	Bq	2.194E-06	2.04E-07
427	Isocyanic acid	Air	kg	6.182E-08	5.76E-09
428	Isoprene	Air	kg	3.158E-06	2.94E-07
429	Kerosene	Air	kg	x	7.59E-08
430	Krypton-85	Air	Bq	5193228.2	483671.9

No	Substance	Compartment	Unit	Concentrated	Skim
431	Krypton-85m	Air	Bq	8.6328114	0.804018
432	Krypton-87	Air	Bq	3.5913202	0.334478
433	Krypton-88	Air	Bq	245.15805	22.83282
434	Krypton-89	Air	Bq	2.2686752	0.211293
435	Lanthanum	Air	kg	5.87E-08	5.48E-09
436	Lanthanum-140	Air	Bq	0.0001499	1.4E-05
437	Lead	Air	kg	0.0001501	1.5E-05
438	Lead-210	Air	Bq	7.8026229	0.726698
439	m-Xylene	Air	kg	9.484E-07	8.83E-08
440	Magnesium	Air	kg	6.449E-05	6.01E-06
441	Manganese	Air	kg	8.229E-05	7.75E-06
442	Manganese-54	Air	Bq	5.83E-05	5.43E-06
443	Mercaptans, unspecified	Air	kg	3.669E-10	3.42E-11
444	Mercury	Air	kg	1.523E-06	1.68E-07
445	Metals, unspecified	Air	kg	1.098E-05	6.47E-05
446	Methane	Air	kg	0.3744561	0.039767
447	Methane, biogenic	Air	kg	0.0002478	2.31E-05
448	Methane, bromo-, Halon 1001	Air	kg	1.121E-16	1.04E-17
449	Methane, bromochlorodifluoro-, Halon 1211	Air	kg	3.186E-07	2.97E-08
450	Methane, bromotrifluoro-, Halon 1301	Air	kg	5.9E-06	6.48E-07
451	Methane, chlorodifluoro-, HCFC-22	Air	kg	1.136E-06	1.06E-07
452	Methane, chlorotrifluoro-, CFC-13	Air	kg	5.863E-09	5.46E-10
453	Methane, dichloro-, HCC-30	Air	kg	3.524E-08	1.92E-08
454	Methane, dichlorodifluoro-, CFC-12	Air	kg	1.156E-08	1.08E-09
455	Methane, dichlorofluoro-, HCFC-21	Air	kg	0.0001347	1.25E-05
456	Methane, fossil	Air	kg	0.0797106	0.007424
457	Methane, monochloro-, R-40	Air	kg	2.602E-10	2.42E-11
458	Methane, tetrachloro-, CFC-10	Air	kg	4.249E-07	5.4E-08
459	Methane, tetrafluoro-, CFC-14	Air	kg	1.838E-05	1.71E-06
460	Methane, trichlorofluoro-, CFC-11	Air	kg	4.344E-08	4.05E-09
461	Methane, trifluoro-, HFC-23	Air	kg	8.248E-10	7.68E-11
462	Methanol	Air	kg	0.001747	0.000163
463	Methyl acrylate	Air	kg	9.387E-09	8.74E-10
464	Methyl amine	Air	kg	1.783E-11	1.66E-12
465	Methyl borate	Air	kg	3.169E-15	2.95E-16
466	Methyl ethyl ketone	Air	kg	1.484E-05	1.38E-06
467	Methyl formate	Air	kg	3.641E-11	3.39E-12
468	Molybdenum	Air	kg	1.047E-06	9.75E-08
469	Monoethanolamine	Air	kg	4.532E-07	4.22E-08

No	Substance	Compartment	Unit	Concentrated	Skim
470	N-Nitrodimethylamine	Air	kg	x	7.52E-10
471	Naphthalene	Air	kg	6.741E-09	7.08E-09
472	Neptunium-237	Air	Bq	5.528E-08	5.15E-09
473	Nickel	Air	kg	6.151E-05	1.74E-05
474	Niobium-95	Air	Bq	1.026E-05	9.56E-07
475	Nitrate	Air	kg	1.237E-08	1.15E-09
476	Nitrogen	Air	kg	0.0001298	1.21E-05
477	Nitrogen dioxide	Air	kg	0.2600898	0.068109
478	Nitrogen oxides	Air	kg	0.777731	0.493774
479	NMVOC, non-methane volatile organic compounds, unspecified origin	Air	kg	0.2050699	0.088965
480	Noble gases, radioactive, unspecified	Air	Bq	777397	72402.96
481	Organic substances, unspecified	Air	kg	0.0010518	0.000326
482	Oxygen	Air	kg	9.267E-26	8.63E-27
483	Ozone	Air	kg	2.806E-05	2.61E-06
484	PAH, polycyclic aromatic hydrocarbons	Air	kg	6.886E-06	6.59E-07
485	Paraffins	Air	kg	5.85E-12	5.45E-13
486	Particulates	Air	kg	x	0.000906
487	Particulates, < 10 um	Air	kg	0.0095752	0.026324
488	Particulates, < 10 um (mobile)	Air	kg	0.0193027	0.001798
489	Particulates, < 10 um (stationary)	Air	kg	0.0094008	0.000876
490	Particulates, < 2.5 um	Air	kg	0.0060383	0.000562
491	Particulates, > 10 um	Air	kg	0.0205539	0.003805
492	Particulates, > 10 um (process)	Air	kg	0.0180894	0.001685
493	Particulates, > 2.5 um, and < 10um	Air	kg	0.0053518	0.006542
494	Particulates, SPM	Air	kg	0.0249882	0.00126
495	Particulates, unspecified	Air	kg	x	0.000158
496	Pentane	Air	kg	0.0016994	2.39E-07
497	Phenol	Air	kg	1.59E-06	1.99E-09
498	Phenol, pentachloro-	Air	kg	2.134E-08	6.66E-13
499	Phosphine	Air	kg	7.152E-12	2.48E-07
500	Phosphorus	Air	kg	2.659E-06	2.19E-07
501	Phosphorus, total	Air	kg	2.354E-06	1.43E-08
502	Platinum	Air	kg	1.533E-07	1.27E-08
503	Plutonium-238	Air	Bq	1.362E-07	0.008581
504	Plutonium-241	Air	Bq	0.0921323	0.000312
505	Plutonium-alpha	Air	Bq	0.0033503	0.867532
506	Polonium-210	Air	Bq	9.3147635	4.89E-10
507	Polychlorinated biphenyls	Air	kg	5.253E-09	4.68E-05

No	Substance	Compartment	Unit	Concentrated	Skim
508	Potassium	Air	kg	0.0005021	0.036286
509	Potassium-40	Air	Bq	0.389606	0.002652
510	Promethium-147	Air	Bq	0.0284773	4.82E-11
511	Propanal	Air	kg	5.177E-10	0.00016
512	Propane	Air	kg	0.0017198	5.74E-05
513	Propene	Air	kg	0.0006161	3.93E-07
514	Propionic acid	Air	kg	4.219E-06	1.28E-08
515	Propylene oxide	Air	kg	1.376E-07	0.004161
516	Protactinium-234	Air	Bq	0.0446724	0.073254
517	Radioactive species, other beta emitters	Air	Bq	0.786533	123912.7
518	Radioactive species, unspecified	Air	Bq	1778.237	1.146067
519	Radium-226	Air	Bq	12.305424	0.028575
520	Radium-228	Air	Bq	0.3068108	0.006542
521	Radon-220	Air	Bq	12.179715	1.134359
522	Radon-222	Air	Bq	9018596.5	839948
523	Ruthenium-103	Air	Bq	6.022E-07	5.61E-08
524	Ruthenium-106	Air	Bq	0.3350265	0.031203
525	Scandium	Air	kg	2.401E-08	2.24E-09
526	Selenium	Air	kg	6.781E-06	6.86E-07
527	Selenium compounds	Air	kg	1.164E-27	1.08E-28
528	Silicates, unspecified	Air	kg	2.473E-07	6.47E-08
529	Silicon	Air	kg	0.0004607	4.29E-05
530	Silicon tetrafluoride	Air	kg	1.665E-09	1.55E-10
531	Silver	Air	kg	6.399E-10	5.96E-11
532	Silver-110	Air	Bq	5.674E-05	5.28E-06
533	Sodium	Air	kg	6.729E-05	6.27E-06
534	Sodium chlorate	Air	kg	8.744E-09	8.14E-10
535	Sodium dichromate	Air	kg	1.15E-08	1.07E-09
536	Sodium formate	Air	kg	4.571E-10	4.26E-11
537	Sodium hydroxide	Air	kg	8.298E-08	7.73E-09
538	Soot	Air	kg	5.328E-08	1.39E-08
539	Strontium	Air	kg	3.037E-06	2.83E-07
540	Strontium-89	Air	Bq	0.0001004	9.35E-06
541	Strontium-90	Air	Bq	0.0552983	0.00515
542	Styrene	Air	kg	1.048E-06	9.76E-08
543	Sulfate	Air	kg	0.020113	0.001873
544	Sulfur dioxide	Air	kg	0.2822378	0.050422
545	Sulfur hexafluoride	Air	kg	3.975E-07	3.7E-08
546	Sulfur oxides	Air	kg	0.1297865	0.452522

No	Substance	Compartment	Unit	Concentrated	Skim
547	Sulfuric acid	Air	kg	9.464E-06	1.04E-05
548	t-Butyl methyl ether	Air	kg	2.637E-06	2.46E-07
549	Technetium-99	Air	Bq	2.345E-06	2.18E-07
550	Tellurium-123m	Air	Bq	0.000252	2.35E-05
551	Terpenes	Air	kg	2.986E-05	2.78E-06
552	Thallium	Air	kg	1.992E-08	1.86E-09
553	Thorium	Air	kg	4.274E-08	4E-09
554	Thorium-228	Air	Bq	0.1300113	0.012109
555	Thorium-230	Air	Bq	9.5772648	0.89198
556	Thorium-232	Air	Bq	0.1861081	0.017333
557	Thorium-234	Air	Bq	0.0446744	0.004161
558	Tin	Air	kg	5.58E-07	5.2E-08
559	Titanium	Air	kg	6.789E-06	6.34E-07
560	Toluene	Air	kg	0.0002746	2.56E-05
561	Uranium	Air	kg	4.72E-08	4.41E-09
562	Uranium-234	Air	Bq	9.6945188	0.9029
563	Uranium-235	Air	Bq	0.025756	0.002399
564	Uranium-238	Air	Bq	9.9939368	0.930786
565	Uranium alpha	Air	Bq	1.8059046	0.168193
566	Vanadium	Air	kg	0.0001327	1.24E-05
567	VOC, volatile organic compounds	Air	kg	0.0007183	0.000188
568	water	Air	kg	0.0004262	3.97E-05
569	Xenon-131m	Air	Bq	16.638501	1.549629
570	Xenon-133	Air	Bq	3844.3948	358.0481
571	Xenon-133m	Air	Bq	2.270968	0.211507
572	Xenon-135	Air	Bq	688.66658	64.13904
573	Xenon-135m	Air	Bq	94.223104	8.775479
574	Xenon-137	Air	Bq	2.2509968	0.209647
575	Xenon-138	Air	Bq	23.184395	2.159281
576	Xylene	Air	kg	0.0006078	5.66E-05
577	Zinc	Air	kg	0.0031432	0.000294
578	Zinc-65	Air	Bq	0.0002525	2.35E-05
579	Zirconium	Air	kg	2.88E-08	2.68E-09
580	Zirconium-95	Air	Bq	8.077E-06	7.52E-07
581	1,4-Butanediol	Water	kg	6.838E-11	6.37E-12
582	4-Methyl-2-pentanone	Water	kg	2.908E-12	2.71E-13
583	Acenaphthene	Water	kg	2.854E-10	2.66E-11
584	Acenaphthylene	Water	kg	7.354E-07	6.85E-08
585	Acetaldehyde	Water	kg	9.832E-08	9.16E-09

No	Substance	Compartment	Unit	Concentrated	Skim
586	Acetic acid	Water	kg	0.000118	1.1E-05
587	Acetone	Water	kg	6.931E-12	6.46E-13
588	Acidity, unspecified	Water	kg	0.0009562	8.91E-05
589	Acids, unspecified	Water	kg	0.0005049	4.7E-05
590	Acrylate, ion	Water	kg	1.958E-08	1.82E-09
591	Actinides, radioactive, unspecified	Water	Bq	0.131401	0.012238
592	Aluminum	Water	kg	0.0107528	0.001026
593	Americium-241	Water	Bq	0.139036	0.012949
594	Ammonia	Water	kg	x	1.06E-05
595	Ammonia, as N	Water	kg	0.0011398	0.000106
596	Ammonium, ion	Water	kg	0.015362	0.001452
597	Antimony	Water	kg	2.281E-05	2.12E-06
598	Antimony-122	Water	Bq	0.0008284	7.72E-05
599	Antimony-124	Water	Bq	0.1226293	0.011421
600	Antimony-125	Water	Bq	0.0267108	0.002488
601	AOX, Adsorbable Organic Halogen as Cl	Water	kg	4.887E-06	5.27E-07
602	Arsenic, ion	Water	kg	0.0001553	1.45E-05
603	Barite	Water	kg	0.0142824	0.00133
604	Barium	Water	kg	0.0024523	0.000282
605	Barium-140	Water	Bq	0.0010563	9.84E-05
606	Benzene	Water	kg	0.0014671	0.000137
607	Benzene, 1,2-dichloro-	Water	kg	2.299E-08	2.14E-09
608	Benzene, chloro-	Water	kg	4.749E-07	4.42E-08
609	Benzene, ethyl-	Water	kg	1.927E-05	1.79E-06
610	Beryllium	Water	kg	4.626E-07	4.31E-08
611	BOD5, Biological Oxygen Demand	Water	kg	21.910157	23.97568
612	Boron	Water	kg	9.058E-05	2.97E-05
613	Bromate	Water	kg	2.132E-05	1.99E-06
614	Bromine	Water	kg	5.698E-05	5.31E-06
615	Butanol	Water	kg	5.385E-08	5.02E-09
616	Butene	Water	kg	1.516E-08	1.41E-09
617	Butyl acetate	Water	kg	7.001E-08	6.52E-09
618	Butyrolactone	Water	kg	1.187E-10	1.11E-11
619	Cadmium-109	Water	Bq	4.4E-06	4.1E-07
620	Cadmium, ion	Water	kg	9.223E-05	9.6E-06
621	Calcium compounds, unspecified	Water	kg	4.656E-09	1.22E-09
622	Calcium, ion	Water	kg	2.3363654	0.217598
623	Carbon-14	Water	Bq	7.0355565	0.655257
624	Carbonate	Water	kg	0.0002486	2.32E-05

No	Substance	Compartment	Unit	Concentrated	Skim
625	Carboxylic acids, unspecified	Water	kg	0.0002071	1.93E-05
626	Cerium-141	Water	Bq	0.0002318	2.16E-05
627	Cerium-144	Water	Bq	3.1828201	0.296432
628	Cesium	Water	kg	8.009E-07	7.46E-08
629	Cesium-134	Water	Bq	7.1339546	0.664422
630	Cesium-136	Water	Bq	2.504E-05	2.33E-06
631	Cesium-137	Water	Bq	80.644986	7.51088
632	Chlorate	Water	kg	0.0001841	1.71E-05
633	Chloride	Water	kg	1.0875532	0.113409
634	Chlorinated solvents, unspecified	Water	kg	1.516E-06	1.41E-07
635	Chlorine	Water	kg	9.191E-07	8.56E-08
636	Chloroform	Water	kg	8.436E-08	7.86E-09
637	Chromate	Water	kg	x	7.44E-08
638	Chromium	Water	kg	6.568E-08	1.42E-06
639	Chromium-51	Water	Bq	0.047803	0.004452
640	Chromium VI	Water	kg	6.946E-05	6.47E-06
641	Chromium, ion	Water	kg	0.0001262	1.18E-05
642	Cobalt	Water	kg	3.772E-05	3.51E-06
643	Cobalt-57	Water	Bq	0.001446	0.000135
644	Cobalt-58	Water	Bq	0.8300329	0.077305
645	Cobalt-60	Water	Bq	30.978477	2.885184
646	COD, Chemical Oxygen Demand	Water	kg	33.085584	36.1221
647	Copper, ion	Water	kg	0.0001427	1.35E-05
648	Crude oil	Water	kg	2.29E-07	6E-08
649	Cumene	Water	kg	0.0013456	0.000125
650	Curium alpha	Water	Bq	0.1842646	0.017162
651	Cyanide	Water	kg	1.533E-05	1.51E-06
652	Detergent, oil	Water	kg	9.076E-08	8.45E-09
653	Dichromate	Water	kg	4.183E-08	3.9E-09
654	Dioxins, measured as 2,3,7,8-tetrachlorodibenzo-p-dioxin	Water	kg	7.505E-15	6.99E-16
655	DOC, Dissolved Organic Carbon	Water	kg	0.0097247	0.000906
656	Ethane, 1,1-dichloro-	Water	kg	5.997E-12	5.59E-13
657	Ethane, 1,1,1-trichloro-, HCFC-140	Water	kg	4.173E-08	3.89E-09
658	Ethane, 1,2-dichloro-	Water	kg	1.631E-05	1.52E-06
659	Ethane, chloro-	Water	kg	1.095E-10	1.02E-11
660	Ethane, dichloro-	Water	kg	1.345E-07	1.25E-08
661	Ethane, hexachloro-	Water	kg	2.989E-12	2.78E-13
662	Ethanol	Water	kg	1.239E-07	1.15E-08
663	Ethene	Water	kg	0.0005647	5.26E-05

No	Substance	Compartment	Unit	Concentrated	Skim
664	Ethene, chloro-	Water	kg	3.189E-08	2.97E-09
665	Ethene, tetrachloro-	Water	kg	3.549E-10	3.31E-11
666	Ethene, trichloro-	Water	kg	2.242E-08	2.09E-09
667	Ethyl acetate	Water	kg	8.455E-12	7.87E-13
668	Ethylene diamine	Water	kg	8.92E-12	8.31E-13
669	Ethylene oxide	Water	kg	9.297E-09	8.66E-10
670	Fatty acids as C	Water	kg	0.0038207	0.000356
671	Fluoride	Water	kg	0.025383	0.002364
672	Fluosilicic acid	Water	kg	4.08E-07	3.8E-08
673	Formaldehyde	Water	kg	7.026E-05	6.54E-06
674	Glutaraldehyde	Water	kg	1.763E-06	1.64E-07
675	Heat, waste	Water	MJ	23.939651	2.23083
676	Hydrocarbons, aliphatic, alkanes, unspecified	Water	kg	0.0001041	9.7E-06
677	Hydrocarbons, aliphatic, alkenes, unspecified	Water	kg	9.231E-06	8.88E-07
678	Hydrocarbons, aliphatic, unsaturated	Water	kg	5.506E-07	5.13E-08
679	Hydrocarbons, aromatic	Water	kg	0.0004782	6.22E-05
680	Hydrocarbons, chlorinated	Water	kg	1.447E-11	1.82E-08
681	Hydrocarbons, unspecified	Water	kg	0.000253	2.36E-05
682	Hydrogen	Water	kg	2.024E-10	5.3E-11
683	Hydrogen-3, Tritium	Water	Bq	243048.44	22636.34
684	Hydrogen peroxide	Water	kg	1.847E-07	1.72E-08
685	Hydrogen sulfide	Water	kg	8.014E-06	7.46E-07
686	Hydroxide	Water	kg	6.166E-07	5.74E-08
687	Hypochlorite	Water	kg	2.424E-05	2.26E-06
688	Hypochlorous acid	Water	kg	2.247E-05	2.1E-06
689	Iodide	Water	kg	8.026E-05	7.48E-06
690	Iodine-129	Water	Bq	20.10159	1.872164
691	Iodine-131	Water	Bq	0.0177376	0.001652
692	Iodine-133	Water	Bq	0.0036683	0.000342
693	Iron	Water	kg	0.0052339	0.000544
694	Iron-59	Water	Bq	6.444E-05	6E-06
695	Iron, ion	Water	kg	0.0040945	0.000381
696	Kjeldahl-N	Water	kg	2.51E-08	2.06E-06
697	Lanthanum-140	Water	Bq	0.0004723	4.4E-05
698	Lead	Water	kg	0.0001265	1.2E-05
699	Lead-210	Water	Bq	5951.1454	554.2606
700	Lithium, ion	Water	kg	7.456E-07	6.94E-08
701	m-Xylene	Water	kg	2.101E-11	1.96E-12
702	Magnesium	Water	kg	0.0086611	0.000807

No	Substance	Compartment	Unit	Concentrated	Skim
703	Manganese	Water	kg	0.0003643	4.09E-05
704	Manganese-54	Water	Bq	4.7321703	0.440731
705	Mercury	Water	kg	8.312E-06	7.75E-07
706	Metallic ions, unspecified	Water	kg	0.0022549	0.000476
707	Methane, dichloro-, HCC-30	Water	kg	7.351E-06	6.85E-07
708	Methane, tetrachloro-, CFC-10	Water	kg	5.417E-10	5.04E-11
709	Methanol	Water	kg	2.57E-05	2.39E-06
710	Methyl acrylate	Water	kg	1.834E-07	1.71E-08
711	Methyl amine	Water	kg	4.28E-11	3.99E-12
712	Methyl formate	Water	kg	1.454E-11	1.35E-12
713	Molybdenum	Water	kg	2.141E-05	2E-06
714	Molybdenum-99	Water	Bq	0.0001617	1.51E-05
715	Neptunium-237	Water	Bq	0.0088782	0.000827
716	Nickel, ion	Water	kg	0.0002734	2.56E-05
717	Niobium-95	Water	Bq	0.0021811	0.000203
718	Nitrate	Water	kg	0.0404601	0.003782
719	Nitrite	Water	kg	7.62E-06	7.1E-07
720	Nitrogen	Water	kg	1.151242	1.260303
721	Nitrogen, organic bound	Water	kg	0.0002557	2.38E-05
722	Nitrogen, total	Water	kg	0.0014702	0.000157
723	o-Xylene	Water	kg	1.53E-11	1.43E-12
724	Oils, unspecified	Water	kg	0.0180243	0.002842
725	Organic substances, unspecified	Water	kg	1.577E-09	6.45E-05
726	PAH, polycyclic aromatic hydrocarbons	Water	kg	1.11E-05	1.3E-06
727	Paraffins	Water	kg	1.698E-11	1.58E-12
728	Phenol	Water	kg	1.398E-05	1.74E-06
729	Phenols, unspecified	Water	kg	0.0001033	1.26E-05
730	Phosphate	Water	kg	0.1013372	0.009442
731	Phosphorus	Water	kg	0.0001434	1.34E-05
732	Phosphorus compounds, unspecified	Water	kg	3.857E-07	3.59E-08
733	Phosphorus, total	Water	kg	6.965E-06	6.49E-07
734	Phthalate, dimethyl tere-	Water	kg	4.688E-10	4.37E-11
735	Phthalate, dioctyl-	Water	kg	3.285E-10	3.06E-11
736	Phthalate, p-dibutyl-	Water	kg	7.446E-11	6.93E-12
737	Plutonium-241	Water	Bq	13.736087	1.279312
738	Plutonium-alpha	Water	Bq	0.5527937	0.051485
739	Polonium-210	Water	Bq	9081.7137	845.8264
740	Potassium	Water	kg	0.0053875	0.000502
741	Potassium-40	Water	Bq	720.01672	67.05884

No	Substance	Compartment	Unit	Concentrated	Skim
742	Potassium, ion	Water	kg	0.00249	0.000232
743	Propene	Water	kg	0.0004959	4.62E-05
744	Propylene oxide	Water	kg	3.309E-07	3.08E-08
745	Protactinium-234	Water	Bq	0.826156	0.076944
746	Radioactive species, unspecified	Water	Bq	16.351656	1100.793
747	Radioactive species, alpha emitters	Water	Bq	3.198175	0.297862
748	Radioactive species, from fission and activation	Water	Bq	0.4143309	0.038589
749	Radioactive species, Nuclides, unspecified	Water	Bq	78.804352	7.339452
750	Radium-224	Water	Bq	40.022467	3.727497
751	Radium-226	Water	Bq	9466.867	881.6977
752	Radium-228	Water	Bq	80.046249	7.455116
753	Rubidium	Water	kg	4.667E-07	4.35E-08
754	Ruthenium	Water	kg	7.55E-06	7.03E-07
755	Ruthenium-103	Water	Bq	0.000278	2.59E-05
756	Ruthenium-106	Water	Bq	33.50265	3.120273
757	Salts, unspecified	Water	kg	0.0072791	0.000678
758	Scandium	Water	kg	1.106E-06	1.03E-07
759	Selenium	Water	kg	3.005E-05	2.8E-06
760	Silicon	Water	kg	0.0701231	0.006531
761	Silver	Water	kg	5.648E-07	5.26E-08
762	Silver-110	Water	Bq	0.5394315	0.05024
763	Silver, ion	Water	kg	7.66E-08	7.13E-09
764	Sodium-24	Water	Bq	0.0242596	0.002259
765	Sodium formate	Water	kg	1.098E-09	1.02E-10
766	Sodium, ion	Water	kg	0.6283439	0.058521
767	Solids, inorganic	Water	kg	0.0042721	0.000398
768	Solved organics	Water	kg	2.473E-08	6.47E-09
769	Solved solids	Water	kg	0.0203932	0.028319
770	Solved substances	Water	kg	0.0023076	0.02364
771	Solved substances, inorganic	Water	kg	x	0.008078
772	Strontium	Water	kg	0.0047753	0.000445
773	Strontium-89	Water	Bq	0.0046318	0.000431
774	Strontium-90	Water	Bq	115.6481	10.7709
775	Sulfate	Water	kg	4.6331952	0.432854
776	Sulfide	Water	kg	2.377E-05	2.85E-06
777	Sulfite	Water	kg	4.879E-06	4.54E-07
778	Sulfur	Water	kg	0.0002744	2.56E-05
779	Sulfur trioxide	Water	kg	9.129E-05	8.5E-06
780	Sulfuric acid	Water	kg	x	5.24E-06

No	Substance	Compartment	Unit	Concentrated	Skim
781	Suspended solids, unspecified	Water	kg	1.3502335	1.46997
782	Suspended substances, unspecified	Water	kg	2.452E-09	0.02461
783	t-Butyl methyl ether	Water	kg	4.428E-07	4.12E-08
784	Technetium-99	Water	Bq	3.5177783	0.327629
785	Technetium-99m	Water	Bq	0.0028628	0.000267
786	Tellurium-123m	Water	Bq	0.0023748	0.000221
787	Tellurium-132	Water	Bq	1.944E-05	1.81E-06
788	Thallium	Water	kg	7.692E-08	7.16E-09
789	Thorium-228	Water	Bq	233.0495	21.70509
790	Thorium-230	Water	Bq	125.0767	11.64903
791	Thorium-232	Water	Bq	0.1419711	0.013222
792	Thorium-234	Water	Bq	0.8313921	0.077432
793	Tin, ion	Water	kg	2.943E-06	2.74E-07
794	Titanium, ion	Water	kg	0.0005928	5.53E-05
795	TOC, Total Organic Carbon	Water	kg	0.1554013	0.014637
796	Toluene	Water	kg	9.052E-05	1.09E-05
797	Tributyltin	Water	kg	8.779E-07	8.18E-08
798	Tributyltin compounds	Water	kg	1.85E-07	1.72E-08
799	Triethylene glycol	Water	kg	1.052E-05	9.8E-07
800	Tungsten	Water	kg	8.83E-07	8.23E-08
801	Undissolved substances	Water	kg	0.0419095	0.003903
802	Uranium-234	Water	Bq	1.076127	0.100225
803	Uranium-235	Water	Bq	1.6427684	0.152999
804	Uranium-238	Water	Bq	3055.8356	284.6056
805	Uranium alpha	Water	Bq	52.402722	4.880533
806	Vanadium, ion	Water	kg	5.785E-05	5.39E-06
807	VOC, volatile organic compounds as C	Water	kg	0.0002641	2.46E-05
808	VOC, volatile organic compounds, unspecified origin	Water	kg	1.657E-05	1.54E-06
809	Waste water/m3	Water	m^3	3.2773459	3.360872
810	Xylene	Water	kg	7.778E-05	7.24E-06
811	Yttrium-90	Water	Bq	8.802E-05	8.2E-06
812	Zinc-65	Water	Bq	0.0606814	0.005652
813	Zinc, ion	Water	kg	0.0004796	4.56E-05
814	Zirconium-95	Water	Bq	0.2850064	0.026544
815	Chemical waste, inert	Waste	kg	0.3057652	0.028477
816	Chemical waste, regulated	Waste	kg	0.0288348	0.002686
817	Coal tailings	Waste	kg	6.797E-05	6.33E-06
818	Compost	Waste	kg	1.761E-07	1.64E-08
819	Construction waste	Waste	kg	4.91E-10	4.57E-11

No	Substance	Compartment	Unit	Concentrated	Skim
820	Dust, unspecified	Waste	kg	0.0061683	0.001615
821	latex,low	Waste	kg	57.013396	5.309949
822	Metal waste	Waste	kg	1.396E-09	1.3E-10
823	Mineral waste	Waste	kg	0.0128659	0.002744
824	Oil waste	Waste	kg	0.0982385	0.025718
825	Packaging waste, paper and board	Waste	kg	1.694E-10	1.58E-11
826	Packaging waste, plastic	Waste	kg	1.257E-11	1.17E-12
827	Packaging waste, wood	Waste	kg	6.159E-11	5.74E-12
828	Plastic waste	Waste	kg	2.197E-05	2.05E-06
829	Production waste, not inert	Waste	kg	0.104303	0.027306
830	Slags	Waste	kg	0.0005245	0.000137
831	Slags and ashes	Waste	kg	0.1013453	0.009439
832	Soot	Waste	kg	0.0917911	0.02403
833	Waste in incineration	Waste	kg	0.038505	0.003586
834	Waste returned to mine	Waste	kg	0.2495891	0.023246
835	Waste to recycling	Waste	kg	0.1851472	0.017244
836	Waste, final, inert	Waste	kg	0.001643	0.00043
837	Waste, industrial	Waste	kg	0.0146334	0.001363
838	Waste, inorganic	Waste	kg	0.0013417	0.000351
839	Waste, nuclear, high active/m3	Waste	m^3	3.374E-12	8.83E-13
840	Waste, nuclear, low and medium active/m3	Waste	m^3	7.809E-10	2.04E-10
841	Waste, solid	Waste	kg	15.954868	1.586928
842	Waste, unspecified	Waste	kg	0.0225068	0.002096
843	Wood waste	Waste	kg	2.483E-06	2.31E-07
844	2,4-D	Soil	kg	1.202E-05	1.12E-06
845	Aclonifen	Soil	kg	3.021E-06	2.81E-07
846	Aldrin	Soil	kg	2.128E-10	1.98E-11
847	Aluminum	Soil	kg	0.0009475	8.82E-05
848	Antimony	Soil	kg	2.382E-11	2.22E-12
849	Arsenic	Soil	kg	3.781E-07	3.52E-08
850	Atrazine	Soil	kg	5.582E-11	5.2E-12
851	Barium	Soil	kg	2.544E-05	2.37E-06
852	Benomyl	Soil	kg	7.664E-08	7.14E-09
853	Bentazone	Soil	kg	1.542E-06	1.44E-07
854	Boron	Soil	kg	7.927E-07	7.38E-08
855	Cadmium	Soil	kg	2.483E-07	2.31E-08
856	Calcium	Soil	kg	0.0040049	0.000373
857	Carbetamide	Soil	kg	5.456E-07	5.08E-08
858	Carbofuran	Soil	kg	4.202E-05	3.91E-06

No	Substance	Compartment	Unit	Concentrated	Skim
859	Carbon	Soil	kg	0.0028915	0.000269
860	Chloride	Soil	kg	0.0011652	0.000109
861	Chlorothalonil	Soil	kg	9.406E-09	8.76E-10
862	Chromium	Soil	kg	6.177E-06	5.75E-07
863	Chromium VI	Soil	kg	1.603E-06	1.49E-07
864	Cobalt	Soil	kg	3.964E-08	3.69E-09
865	Copper	Soil	kg	-2.57E-06	-2.4E-07
866	Cypermethrin	Soil	kg	5.944E-06	5.54E-07
867	Fenpiclonil	Soil	kg	1.045E-07	9.74E-09
868	Fluoride	Soil	kg	3.629E-06	3.38E-07
869	Glyphosate	Soil	kg	8.361E-05	7.79E-06
870	Heat, waste	Soil	MJ	0.7296525	0.067962
871	Iron	Soil	kg	0.002407	0.000224
872	Lead	Soil	kg	9.515E-07	8.86E-08
873	Linuron	Soil	kg	2.327E-05	2.17E-06
874	Magnesium	Soil	kg	7.583E-05	7.06E-06
875	Mancozeb	Soil	kg	1.222E-08	1.14E-09
876	Manganese	Soil	kg	5.848E-05	5.45E-06
877	Mercury	Soil	kg	2.284E-08	2.13E-09
878	Metaldehyde	Soil	kg	1.027E-07	9.57E-09
879	Metolachlor	Soil	kg	0.0001684	1.57E-05
880	Metribuzin	Soil	kg	4.302E-10	4.01E-11
881	Molybdenum	Soil	kg	4.483E-09	4.17E-10
882	Napropamide	Soil	kg	1.818E-07	1.69E-08
883	Nickel	Soil	kg	2.109E-07	1.96E-08
884	Nitrogen	Soil	kg	8.176E-07	7.62E-08
885	Oils, biogenic	Soil	kg	8.041E-06	7.49E-07
886	Oils, unspecified	Soil	kg	0.0073543	0.000685
887	Orbencarb	Soil	kg	2.323E-09	2.16E-10
888	Phosphorus	Soil	kg	5.795E-05	5.4E-06
889	Pirimicarb	Soil	kg	1.458E-07	1.36E-08
890	Potassium	Soil	kg	7.642E-05	7.12E-06
891	Silicon	Soil	kg	9.713E-05	9.05E-06
892	Sodium	Soil	kg	0.0001087	1.01E-05
893	Strontium	Soil	kg	5.1E-07	4.75E-08
894	Sulfur	Soil	kg	0.0005661	5.27E-05
895	Sulfuric acid	Soil	kg	1.073E-11	9.99E-13
896	Tebutam	Soil	kg	4.307E-07	4.01E-08
897	Teflubenzuron	Soil	kg	2.868E-11	2.67E-12

No	Substance	Compartment	Unit	Concentrated	Skim
898	Thiram	Soil	kg	1.36E-07	1.27E-08
899	Tin	Soil	kg	2.16E-09	2.01E-10
900	Titanium	Soil	kg	1.484E-06	1.38E-07
901	Vanadium	Soil	kg	4.248E-08	3.96E-09
902	Zinc	Soil	kg	1.417E-05	1.32E-06