

Supporting Information

Yeast lipid-based biofuels and oleochemicals from lignocellulosic biomass: Life cycle impact assessment

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Table S1. Uncertainty analysis for the process of lipid production from sugarcane bagasse, using method: CML-IA baseline V3.05 / EU25, confidence interval: 95 %; Indicator: Normalization.

Impact category	Mean	Median	SD	CV	2.5%	97.5%	SEM
Abiotic depletion	1.04899E-12	1.02869E-12	2.10618E-13	20.0780745	7.1E-13	1.50554E-12	6.66032E-15
Abiotic depletion (fossil fuels)	1.40562E-10	1.38868E-10	2.31326E-11	16.45726158	1E-10	1.9245E-10	7.31518E-13
Acidification	5.50463E-11	5.34216E-11	1.15748E-11	21.02731176	3.9E-11	7.92785E-11	3.66026E-13
Eutrophication	5.71046E-11	4.79909E-11	3.5951E-11	62.95632434	2.4E-11	1.40336E-10	1.13687E-12
Fresh water aquatic ecotoxicity	2.87415E-10	2.65314E-10	1.14095E-10	39.6970596	1.4E-10	5.76851E-10	3.60801E-12
Global warming (GWP100a)	7.49134E-11	7.3625E-11	1.16574E-11	15.56121777	5.5E-11	9.94042E-11	3.68641E-13
Human toxicity	1.89981E-11	1.72782E-11	6.88761E-12	36.25415301	1.1E-11	3.65272E-11	2.17805E-13
Marine aquatic ecotoxicity	5.88752E-09	5.64995E-09	1.646E-09	27.95742302	3.6E-09	9.67966E-09	5.2051E-11
Ozone layer depletion (ODP)	2.51663E-12	2.42214E-12	7.55782E-13	30.03145981	1.4E-12	4.2089E-12	2.38999E-14
Photochemical oxidation	6.87052E-12	6.62487E-12	1.57825E-12	22.97137794	4.7E-12	1.04727E-11	4.99088E-14
Terrestrial ecotoxicity	1.18964E-11	1.13865E-11	3.40659E-12	28.63540407	7.1E-12	1.97112E-11	1.07726E-13

Table S2. Uncertainty analysis for the process of lube base oil production from lipid, using method: CML-IA baseline V3.05 / EU25, confidence interval: 95 %; Indicator: Normalization.

Impact category	Mean	Median	SD	CV	2.5%	97.5%	SEM
Abiotic depletion	2.31E-12	2.24E-12	4.72E-13	20.41408	1.53E-12	3.36E-12	1.49E-14
Abiotic depletion (fossil fuels)	3.11E-10	3.06E-10	5.01E-11	16.1374	2.22E-10	4.17E-10	1.59E-12
Acidification	1.22E-10	1.17E-10	2.48E-11	20.42545	8.5E-11	1.81E-10	7.85E-13
Eutrophication	1.2E-10	1.06E-10	6.29E-11	52.19882	5.2E-11	2.93E-10	1.99E-12
Fresh water aquatic ecotoxicity	6.33E-10	5.77E-10	2.73E-10	43.12722	3.11E-10	1.25E-09	8.64E-12
Global warming (GWP100a)	1.65E-10	1.64E-10	2.47E-11	14.97456	1.21E-10	2.18E-10	7.82E-13
Human toxicity	4.25E-11	3.89E-11	1.71E-11	40.30011	2.46E-11	8.57E-11	5.42E-13
Marine aquatic ecotoxicity	1.29E-08	1.23E-08	3.43E-09	26.61113	7.78E-09	2.13E-08	1.08E-10
Ozone layer depletion (ODP)	5.61E-12	5.32E-12	1.83E-12	32.6422	2.91E-12	1.03E-11	5.79E-14
Photochemical oxidation	1.52E-11	1.46E-11	3.42E-12	22.50233	1.03E-11	2.37E-11	1.08E-13
Terrestrial ecotoxicity	2.63E-11	2.5E-11	7.21E-12	27.36798	1.56E-11	4.3E-11	2.28E-13

Table S3. Uncertainty analysis for the process of biodiesel production from lipid, using method: CML-IA baseline V3.05 / EU25, confidence interval: 95 %; Indicator: Normalization.

Impact category	Mean	Median	SD	CV	2.5%	97.5%	SEM
Abiotic depletion	1.1E-13	1.08E-13	2.09E-14	19.05972	7.49E-14	1.56E-13	6.61E-16
Abiotic depletion (fossil fuels)	1.5E-11	1.49E-11	2.34E-12	15.61397	1.05E-11	1.98E-11	7.4E-14
Acidification	5.82E-12	5.66E-12	1.14E-12	19.68615	4.07E-12	8.33E-12	3.62E-14
Eutrophication	5.99E-12	5.06E-12	3.51E-12	58.56404	2.51E-12	1.61E-11	1.11E-13
Fresh water aquatic ecotoxicity	3.04E-11	2.81E-11	1.26E-11	41.35224	1.45E-11	6.24E-11	3.98E-13
Global warming (GWP100a)	7.93E-12	7.92E-12	1.17E-12	14.77619	5.91E-12	1.02E-11	3.71E-14
Human toxicity	2.01E-12	1.85E-12	6.81E-13	33.89448	1.16E-12	3.68E-12	2.15E-14
Marine aquatic ecotoxicity	6.2E-10	5.93E-10	1.61E-10	25.92511	3.92E-10	1.01E-09	5.08E-12
Ozone layer depletion (ODP)	1.15E-13	1.1E-13	3.4E-14	29.47742	6.26E-14	1.94E-13	1.08E-15
Photochemical oxidation	7.23E-13	7.01E-13	1.55E-13	21.43651	4.97E-13	1.1E-12	4.9E-15
Terrestrial ecotoxicity	1.27E-12	1.21E-12	3.53E-13	27.86682	7.92E-13	2.04E-12	1.12E-14

Table S4. Uncertainty analysis for the process of BTEX production from lipid, using method: CML-IA baseline V3.05 / EU25, confidence interval: 95 %; Indicator: Normalization.

Impact category	Mean	Median	SD	CV	2.5%	97.5%	SEM
Abiotic depletion	3.37408E-13	3.29407E-13	6.78876E-14	20.12032984	2.31372E-13	5.06913E-13	2.14679E-15
Abiotic depletion (fossil fuels)	4.61404E-11	4.54659E-11	7.40121E-12	16.04062634	3.33097E-11	6.28894E-11	2.34047E-13
Acidification	1.80058E-11	1.74848E-11	3.4605E-12	19.21881002	1.27135E-11	2.56909E-11	1.09431E-13
Eutrophication	1.87774E-11	1.59285E-11	1.06342E-11	56.63263123	7.28643E-12	4.60655E-11	3.36282E-13
Fresh water aquatic ecotoxicity	9.58591E-11	8.66801E-11	4.49618E-11	46.90402872	4.56084E-11	2.04726E-10	1.42182E-12
Global warming (GWP100a)	2.44554E-11	2.40395E-11	3.74694E-12	15.32152773	1.80755E-11	3.28207E-11	1.18489E-13
Human toxicity	6.37283E-12	5.69513E-12	3.93134E-12	61.68906573	3.63446E-12	1.317E-11	1.2432E-13
Marine aquatic ecotoxicity	1.91232E-09	1.83919E-09	5.55793E-10	29.06382127	1.1587E-09	3.10902E-09	1.75757E-11
Ozone layer depletion (ODP)	3.386E-13	3.21927E-13	1.0289E-13	30.38693156	1.81769E-13	5.92118E-13	3.25367E-15
Photochemical oxidation	2.2426E-12	2.16636E-12	4.68701E-13	20.89987692	1.51767E-12	3.30133E-12	1.48216E-14
Terrestrial ecotoxicity	3.91715E-12	3.72533E-12	1.12622E-12	28.7510641	2.30158E-12	6.60308E-12	3.56143E-14

Table S5. Inventory of emissions for sugarcane cultivation to lipid production: CML-IA baseline V3.05 / EU25 (compartment: all compartments, per sub-compartment: no, default units: no, exclude infrastructure processes: no, sort order: descending).

No	Substance	Compartment	Unit	Total
1	1,3-Dioxolan-2-one	Water	µg	156.05
2	1,4-Butanediol	Water	µg	1.75
3	1,4-Butanediol	Air	ng	843.90
4	1-Butanol	Water	µg	48.66
5	1-Butanol	Air	µg	1.24
6	1-Pentanol	Water	ng	603.58
7	1-Pentanol	Air	ng	251.49
8	1-Pentene	Water	ng	456.11
9	1-Pentene	Air	ng	296.23
10	1-Propanol	Water	ng	771.76
11	1-Propanol	Air	mg	17.51
12	2,4-D	Soil	µg	388.71
13	2,4-D	Air	µg	4.71
14	2,4-D ester	Soil	ng	393.80
15	2,4-D ester	Water	ng	10.08
16	2,4-D ester	Air	ng	85.71
17	2,4-D, dimethylamine salt	Soil	µg	1.46
18	2,4-D, dimethylamine salt	Water	ng	45.83
19	2,4-D, dimethylamine salt	Air	ng	7.34
20	2,4-di-tert-butylphenol	Water	ng	441.07
21	2-Aminopropanol	Water	ng	447.80
22	2-Aminopropanol	Air	ng	185.66
23	2-Butene, 2-methyl-	Water	ng	3.20
24	2-Butene, 2-methyl-	Air	ng	1.33
25	2-Chlorobenzaldehyde	Water	ng	97.77
26	2-Methyl-1-propanol	Water	µg	1.13
27	2-Methyl-1-propanol	Air	ng	471.18
28	2-Methyl-4-chlorophenoxyacetic acid	Soil	µg	56.57
29	2-Methyl-4-chlorophenoxyacetic acid	Water	ng	36.16
30	2-Methyl-4-chlorophenoxyacetic acid	Air	ng	15.38
31	2-Nitrobenzoic acid	Air	ng	200.85
32	2-Propanol	Water	µg	85.27
33	2-Propanol	Air	mg	5.73
34	4-Methyl-2-pentanol	Water	pg	3.13
35	4-Methyl-2-pentanone	Water	µg	16.69
36	4-Methyl-2-pentanone	Air	ng	22.42
37	Abamectin	Soil	ng	329.96
38	Acenaphthene	Water	µg	18.10
39	Acenaphthene	Air	µg	34.90
40	Acenaphthylene	Water	ng	113.27
41	Acenaphthylene	Air	ng	71.83
42	Acephate	Soil	µg	42.57
43	Acephate	Air	ng	500.60
44	Acetaldehyde	Water	µg	243.70
45	Acetaldehyde	Air	mg	25.50
46	Acetamide	Soil	µg	8.80

47	Acetamide	Air	ng	123.23
48	Acetamiprid	Soil	µg	11.12
49	Acetic acid	Water	µg	639.31
50	Acetic acid	Air	mg	30.09
51	Acetochlor	Soil	µg	233.29
52	Acetone	Water	mg	2.17
53	Acetone	Air	mg	11.03
54	Acetonitrile	Water	ng	101.73
55	Acetonitrile	Air	µg	187.18
56	Acetyl chloride	Water	ng	474.15
57	Acidity, unspecified	Water	mg	1.61
58	Acifluorfen	Soil	ng	2.95
59	Acifluorfen	Air	ng	68.72
60	Aclonifen	Soil	ng	176.30
61	Acrinathrin	Soil	ng	15.86
62	Acrolein	Air	mg	13.50
63	Acrylate	Water	µg	15.69
64	Acrylic acid	Air	µg	6.63
65	Acrylonitrile	Water	ng	57.37
66	Acrylonitrile	Air	µg	2.39
67	Actinides, radioactive, unspecified	Water	mBq	155.04
68	Actinides, radioactive, unspecified	Air	Bq	54.90
69	Aerosols, radioactive, unspecified	Air	mBq	3.62
70	Alachlor	Soil	µg	34.76
71	Alachlor	Air	ng	486.31
72	Aldehydes, unspecified	Air	mg	25.62
73	Aldicarb	Soil	µg	119.25
74	Aldrin	Soil	µg	78.67
75	Allyl chloride	Water	µg	748.28
76	Alpha-cypermethrin	Soil	ng	184.03
77	Aluminium	Soil	mg	324.90
78	Aluminium	Water	g	1.66
79	Aluminium	Air	g	49.79
80	Aluminium	Raw	g	29.81
81	Aluminium hydroxide	Water	ng	812.37
82	Ametryn	Soil	µg	3.78
83	Amidosulfuron	Soil	ng	10.26
84	Amine oxide	Air	ng	417.93
85	Ammonia	Air	g	20.89
86	Ammonium carbonate	Air	µg	45.01
87	Ammonium, ion	Water	mg	343.74
88	Anhydrite	Raw	µg	236.39
89	Aniline	Water	µg	32.07
90	Aniline	Air	µg	1.22
91	Anthracene	Water	µg	3.63
92	Anthracene	Air	pg	1.98
93	Anthranilic acid	Air	ng	154.78
94	Anthraquinone	Soil	µg	3.45
95	Antimony	Soil	µg	47.31
96	Antimony	Water	mg	53.92
97	Antimony	Air	mg	64.48
98	Antimony-122	Water	mBq	8.54

99	Antimony-124	Water	Bq	1.81
100	Antimony-124	Air	µBq	7.49
101	Antimony-125	Water	mBq	397.82
102	Antimony-125	Air	µBq	220.99
103	AOX, Adsorbable Organic Halogen as Cl	Water	mg	4.09
104	Argon-40	Air	mg	478.35
105	Argon-40	Raw	g	2.00
106	Argon-41	Air	Bq	2.68
107	Arsenic	Soil	µg	97.22
108	Arsenic	Water	g	1.29
109	Arsenic	Air	mg	40.26
110	Arsine	Air	pg	77.27
111	Asulam	Soil	ng	391.79
112	Atrazine	Soil	µg	476.38
113	Atrazine	Water	ng	561.72
114	Atrazine	Air	ng	484.23
115	Azinphos-methyl	Soil	ng	105.75
116	Azoxystrobin	Soil	µg	117.19
117	Azoxystrobin	Air	ng	227.41
118	Barite	Water	mg	545.15
119	Barite	Raw	g	17.69
120	Barium	Soil	mg	55.39
121	Barium	Water	g	1.20
122	Barium	Air	mg	234.79
123	Barium sulfide	Water	ng	425.02
124	Barium-140	Water	mBq	6.73
125	Barium-140	Air	mBq	2.59
126	Basalt	Raw	g	2.89
127	Benfluralin	Soil	µg	25.62
128	Benomyl	Soil	ng	74.81
129	Bensulfuron methyl ester	Soil	ng	3.34
130	Bentazone	Soil	µg	3.06
131	Bentazone	Water	ng	96.99
132	Bentazone	Air	ng	224.00
133	Benzal chloride	Water	ng	126.67
134	Benzal chloride	Air	ng	53.22
135	Benzaldehyde	Water	ng	41.52
136	Benzaldehyde	Air	mg	4.99
137	Benzene	Water	mg	28.20
138	Benzene	Air	mg	814.30
139	Benzene, 1,2-dichloro-	Water	mg	3.13
140	Benzene, 1,2-dichloro-	Air	µg	1.10
141	Benzene, 1-methyl-2-nitro-	Air	ng	173.44
142	Benzene, chloro-	Water	mg	4.61
143	Benzene, ethyl-	Water	mg	4.46
144	Benzene, ethyl-	Air	mg	10.93
145	Benzene, hexachloro-	Air	µg	4.62
146	Benzene, pentachloro-	Air	ng	43.67
147	Benzene, pentachloronitro-	Soil	µg	1.09
148	Benzo(a)anthracene	Water	ng	13.69
149	Benzo(a)anthracene	Air	ng	1.38
150	Benzo(a)pyrene	Water	ng	1.66

151	Benzo(a)pyrene	Air	mg	1.20
152	Benzo(b)fluoranthene	Water	ng	1.62
153	Benzo(b)fluoranthene	Air	ng	1.63
154	Benzo(g,h,i)perylene	Water	pg	228.23
155	Benzo(g,h,i)perylene	Air	pg	101.39
156	Benzo(k)fluoranthene	Water	pg	763.05
157	Benzo(k)fluoranthene	Air	ng	1.18
158	Beryllium	Soil	µg	11.89
159	Beryllium	Water	µg	719.71
160	Beryllium	Air	µg	579.35
161	Bicarbonate, ion	Water	µg	3.73
162	Bifenox	Soil	ng	922.42
163	Bifenthrin	Soil	ng	850.05
164	Bisphenol A	Water	mg	1.91
165	Bitertanol	Soil	ng	363.98
166	BOD5, Biological Oxygen Demand	Water	g	35.39
167	Borate	Water	mg	1.06
168	Borax	Raw	mg	42.63
169	Boric acid	Air	pg	53.59
170	Boron	Soil	mg	7.09
171	Boron	Water	mg	197.06
172	Boron	Air	g	1.43
173	Boron trifluoride	Air	ng	361.75
174	Boscalid	Soil	µg	7.78
175	Bromacil	Soil	µg	7.56
176	Bromate	Water	mg	24.45
177	Bromide	Water	mg	3.29
178	Bromine	Soil	µg	110.12
179	Bromine	Water	g	1.69
180	Bromine	Air	g	1.01
181	Bromine	Raw	mg	3.94
182	Bromopropane	Water	ng	19.94
183	Bromopropane	Air	ng	563.74
184	Bromoxynil	Soil	µg	6.64
185	Bromoxynil	Water	ng	51.34
186	Bromoxynil	Air	ng	8.89
187	Bromuconazole	Soil	ng	4.23
188	Buprofezin	Soil	ng	619.26
189	Butadiene	Air	ng	239.16
190	Butane	Air	mg	385.78
191	Butene	Water	µg	52.00
192	Butene	Air	mg	4.66
193	Butyl acetate	Water	µg	59.28
194	Butyric acid, 4-(2,4-dichlorophenoxy)-	Soil	µg	1.22
195	Butyric acid, 4-(2,4-dichlorophenoxy)-	Water	ng	32.92
196	Butyric acid, 4-(2,4-dichlorophenoxy)-	Air	ng	74.59
197	Butyrolactone	Water	ng	372.13
198	Cadmium	Soil	µg	100.29
199	Cadmium	Water	µg	859.31
200	Cadmium	Air	mg	6.08
201	Cadmium	Raw	mg	110.24
202	Calcite	Raw	kg	1.12

203	Calcium	Soil	mg	664.71
204	Calcium	Water	g	72.84
205	Calcium	Air	mg	49.40
206	Captan	Soil	µg	735.04
207	Carbaryl	Soil	ng	45.26
208	Carbaryl	Water	pg	65.88
209	Carbaryl	Air	ng	62.07
210	Carbendazim	Soil	µg	33.16
211	Carbetamide	Soil	µg	20.74
212	Carbofuran	Soil	µg	41.21
213	Carbon	Soil	mg	799.45
214	Carbon	Water	µg	22.49
215	Carbon	Air	µg	6.57
216	Carbon dioxide, biogenic	Air	g	364.41
217	Carbon dioxide, fossil	Air	kg	359.58
218	Carbon dioxide, in air	Raw	kg	3.22
219	Carbon dioxide, land transformation	Air	g	34.63
220	Carbon dioxide, to soil or biomass stock	Soil	mg	251.23
221	Carbon disulfide	Water	µg	7.08
222	Carbon disulfide	Air	mg	163.16
223	Carbon monoxide, biogenic	Air	mg	918.63
224	Carbon monoxide, fossil	Air	g	415.06
225	Carbon monoxide, land transformation	Air	mg	108.15
226	Carbon, organic, in soil or biomass stock	Raw	g	2.62
227	Carbon-14	Water	mBq	158.51
228	Carbon-14	Air	Bq	340.18
229	Carbonate	Water	mg	21.87
230	Carbonyl sulfide	Air	mg	1.57
231	Carboxylic acids, unspecified	Water	mg	725.99
232	Carfentrazone-ethyl	Soil	ng	35.13
233	Carfentrazone-ethyl	Air	ng	6.31
234	Carnallite	Raw	mg	377.71
235	Cerium	Raw	mg	1.19
236	Cerium-141	Water	mBq	4.05
237	Cerium-141	Air	µBq	626.94
238	Cerium-144	Water	mBq	4.55
239	Cesium	Water	µg	170.33
240	Cesium-134	Water	mBq	54.33
241	Cesium-134	Air	µBq	30.03
242	Cesium-136	Water	mBq	2.65
243	Cesium-137	Water	Bq	19.35
244	Cesium-137	Air	µBq	588.65
245	Chloramine	Water	µg	12.40
246	Chloramine	Air	µg	1.39
247	Chlorate	Water	mg	188.64
248	Chlorfenvinphos	Soil	µg	1.59
249	Chloridazon	Soil	ng	377.16
250	Chloride	Soil	mg	449.63
251	Chloride	Water	kg	1.38
252	Chlorides, unspecified	Water	mg	107.97
253	Chlorimuron-ethyl	Soil	ng	125.82
254	Chlorimuron-ethyl	Air	ng	114.78

255	Chlorinated solvents, unspecified	Water	mg	2.68
256	Chlorinated solvents, unspecified	Air	µg	14.86
257	Chlorine	Soil	mg	1.78
258	Chlorine	Water	mg	2.28
259	Chlorine	Air	mg	10.48
260	Chlormequat	Soil	µg	8.32
261	Chloroacetic acid	Water	µg	201.91
262	Chloroacetic acid	Air	µg	14.20
263	Chloroacetyl chloride	Water	ng	597.22
264	Chloroform	Water	µg	1.27
265	Chloroform	Air	g	3.00
266	Chloropicrin	Soil	µg	169.16
267	Chlorosilane, trimethyl-	Air	µg	2.09
268	Chlorosulfonic acid	Water	ng	369.94
269	Chlorosulfonic acid	Air	ng	155.79
270	Chlorothalonil	Soil	mg	1.27
271	Chlorpyrifos	Soil	µg	114.19
272	Chlorpyrifos	Air	µg	2.29
273	Chlorpyrifos methyl	Soil	µg	294.25
274	Chlorsulfuron	Soil	ng	5.83
275	Chlortoluron	Soil	µg	6.75
276	Choline chloride	Soil	ng	803.20
277	Chromium	Soil	mg	1.24
278	Chromium	Water	mg	3.91
279	Chromium	Air	mg	65.56
280	Chromium	Raw	g	11.09
281	Chromium IV	Air	pg	11.51
282	Chromium VI	Soil	mg	32.15
283	Chromium VI	Water	mg	193.57
284	Chromium VI	Air	mg	5.50
285	Chromium-51	Water	mBq	551.74
286	Chromium-51	Air	µBq	40.17
287	Chrysene	Water	ng	8.83
288	Chrysene	Air	pg	159.34
289	Chrysotile	Raw	mg	3.68
290	Cinidon-ethyl	Soil	ng	12.43
291	Cinnabar	Raw	µg	11.84
292	Clay, bentonite	Raw	g	12.02
293	Clay, unspecified	Raw	g	258.86
294	Clethodim	Soil	ng	226.25
295	Clethodim	Air	ng	339.56
296	Clodinafop-propargyl	Soil	ng	86.22
297	Clomazone	Soil	ng	448.67
298	Clopyralid	Soil	ng	140.75
299	Cloquintocet-mexyl	Soil	ng	20.83
300	Cloransulam-methyl	Soil	ng	54.47
301	Cloransulam-methyl	Air	ng	59.78
302	Coal, brown	Raw	kg	11.07
303	Coal, hard	Raw	kg	217.78
304	Cobalt	Soil	µg	119.68
305	Cobalt	Water	mg	7.43
306	Cobalt	Air	mg	12.14

307	Cobalt	Raw	µg	560.28
308	Cobalt, Co 5.0E-2%, in mixed ore	Raw	µg	125.19
309	Cobalt-57	Water	mBq	84.24
310	Cobalt-58	Water	Bq	10.89
311	Cobalt-58	Air	µBq	182.96
312	Cobalt-60	Water	Bq	4.93
313	Cobalt-60	Air	mBq	1.08
314	COD, Chemical Oxygen Demand	Water	g	36.51
315	Colemanite	Raw	mg	129.70
316	Copper	Soil	mg	22.88
317	Copper	Water	mg	7.58
318	Copper	Air	mg	83.85
319	Copper, 0.52% in sulfide, Cu 0.27% and Mo 8.2E-3% in crude ore	Raw	g	2.82
320	Copper, 0.59% in sulfide, Cu 0.22% and Mo 8.2E-3% in crude ore	Raw	g	1.95
321	Copper, 0.97% in sulfide, Cu 0.36% and Mo 4.1E-2% in crude ore	Raw	mg	667.60
322	Copper, 0.99% in sulfide, Cu 0.36% and Mo 8.2E-3% in crude ore	Raw	g	3.57
323	Copper, 1.13% in sulfide, Cu 0.76% and Ni 0.76% in crude ore	Raw	mg	166.99
324	Copper, 1.18% in sulfide, Cu 0.39% and Mo 8.2E-3% in crude ore	Raw	g	2.61
325	Copper, 1.42% in sulfide, Cu 0.81% and Mo 8.2E-3% in crude ore	Raw	mg	311.68
326	Copper, 2.19% in sulfide, Cu 1.83% and Mo 8.2E-3% in crude ore	Raw	g	1.02
327	Copper, Cu 0.2%, in mixed ore	Raw	mg	1.57
328	Copper, Cu 0.38%, Au 9.7E-4%, Ag 9.7E-4%, Zn 0.63%, Pb 0.014%, in ore	Raw	g	3.26
329	Copper, Cu 3.2E+0%, Pt 2.5E-4%, Pd 7.3E-4%, Rh 2.0E-5%, Ni 2.3E+0% in ore	Raw	mg	185.22
330	Copper, Cu 5.2E-2%, Pt 4.8E-4%, Pd 2.0E-4%, Rh 2.4E-5%, Ni 3.7E-2% in ore	Raw	mg	31.76
331	Copper, Cu 6.8E-1%, in mixed ore	Raw	mg	1.70
332	Cu-HDO	Water	ng	3.10
333	Cumene	Water	mg	4.52
334	Cumene	Air	mg	1.41
335	Cyanide	Water	mg	8.33
336	Cyanide	Air	mg	71.42
337	Cyanoacetic acid	Air	ng	121.49
338	Cyclohexane	Water	µg	2.44
339	Cyclohexane	Air	µg	1.04
340	Cycloxydim	Soil	µg	1.03
341	Cyfluthrin	Soil	ng	556.46
342	Cyfluthrin	Air	ng	11.98
343	Cyhalothrin, gamma-	Soil	ng	5.90
344	Cyhalothrin, gamma-	Air	ng	137.52
345	Cymoxanil	Soil	µg	3.82
346	Cypermethrin	Soil	µg	62.06
347	Cyproconazole	Soil	µg	182.47
348	Cyprodinil	Soil	µg	32.82
349	Decanoic acid	Water	ng	164.42
350	Deltamethrin	Soil	ng	88.09

351	Desmedipham	Soil	ng	475.50
352	Diatomite	Raw	µg	122.64
353	Diazinon	Soil	µg	15.29
354	Dibenz(a,h)anthracene	Water	pg	159.80
355	Dibenz(a,h)anthracene	Air	pg	767.02
356	Dibutyltin	Water	pg	0.01
357	Dicamba	Soil	µg	10.13
358	Dicamba	Water	ng	59.54
359	Dicamba	Air	ng	297.75
360	Dichlorodimethylsilane	Air	µg	1.90
361	Dichlorprop	Soil	ng	436.65
362	Dichlorprop	Water	ng	11.00
363	Dichlorprop	Air	ng	10.52
364	Dichlorprop-P	Soil	µg	27.53
365	Dichromate	Water	µg	950.37
366	Diclofop	Soil	µg	5.47
367	Diclofop-methyl	Soil	µg	5.53
368	Dicrotophos	Soil	µg	6.32
369	Diethanolamine	Water	µg	1.60
370	Diethyl ether	Air	ng	2.07
371	Diethylamine	Water	µg	1.56
372	Diethylamine	Air	ng	650.41
373	Diethylene glycol	Water	ng	211.85
374	Diethylene glycol	Air	ng	4.78
375	Difenoconazole	Soil	µg	166.84
376	Diflubenzuron	Soil	µg	187.57
377	Diflubenzuron	Air	ng	6.31
378	Diflufenican	Soil	µg	16.10
379	Diflufenzopyr-sodium	Soil	ng	755.58
380	Dimethachlor	Soil	ng	715.94
381	Dimethenamid	Soil	µg	26.72
382	Dimethenamid	Water	ng	5.80
383	Dimethenamid	Air	ng	16.23
384	Dimethoate	Soil	µg	60.42
385	Dimethomorph	Soil	µg	2.42
386	Dimethyl carbonate	Air	µg	15.16
387	Dimethyl hexanediol	Water	ng	210.93
388	Dimethyl hexynediol	Water	ng	340.12
389	Dimethyl malonate	Air	ng	152.35
390	Dimethylamine	Water	µg	3.78
391	Dimethylamine	Air	µg	3.19
392	Dimethyldichlorosilane	Water	ng	53.46
393	Dimethyldichlorosilane	Air	µg	1.45
394	Dinitrogen monoxide	Air	g	9.38
395	Dinitrogen tetroxide	Air	ng	966.66
396	Dioxin, 2,3,7,8 Tetrachlorodibenzo-p-	Soil	pg	851.53
397	Dioxin, 2,3,7,8 Tetrachlorodibenzo-p-	Air	ng	50.31
398	Diphenylether-compound	Water	ng	48.18
399	Diphenyltin	Water	pg	0.36
400	Dipropylamine	Water	ng	744.26
401	Dipropylamine	Air	ng	310.10
402	Dipropylthiocarbamic acid S-ethyl ester	Soil	µg	4.33

403	Diquat	Soil	µg	5.01
404	Discarded fish, pelagic	Water	µg	46.53
405	Dithianone	Soil	ng	102.55
406	Diuron	Soil	µg	78.36
407	DOC, Dissolved Organic Carbon	Water	g	11.55
408	Dodecanoic acid	Water	µg	3.34
409	Dodecanoic acid	Air	ng	398.06
410	Dodecanol	Water	ng	406.30
411	Dolomite	Raw	g	17.30
412	Endosulfan	Soil	µg	56.04
413	Endothall	Soil	ng	10.69
414	Energy, geothermal, converted	Raw	kJ	211.56
415	Energy, gross calorific value, in biomass	Raw	MJ	34.94
416	Energy, gross calorific value, in biomass, primary forest	Raw	kJ	41.44
417	Energy, kinetic (in wind), converted	Raw	MJ	29.63
418	Energy, potential (in hydropower reservoir), converted	Raw	MJ	271.52
419	Energy, solar, converted	Raw	kJ	6.72
420	Epichlorohydrin	Water	µg	852.53
421	Epoxiconazole	Soil	µg	1.24
422	Esfenvalerate	Soil	ng	64.28
423	Esfenvalerate	Air	ng	71.66
424	Ethalfuralin	Soil	ng	238.69
425	Ethane	Air	mg	770.05
426	Ethane, 1,1,1,2-tetrafluoro-, HFC-134a	Air	µg	149.27
427	Ethane, 1,1,1-trichloro-, HCFC-140	Water	pg	0.89
428	Ethane, 1,1,1-trichloro-, HCFC-140	Air	µg	529.73
429	Ethane, 1,1,2-trichloro-1,2,2-trifluoro-, CFC-113	Air	µg	1.55
430	Ethane, 1,1-difluoro-, HFC-152a	Air	µg	270.47
431	Ethane, 1,2-dichloro-	Water	µg	86.81
432	Ethane, 1,2-dichloro-	Air	mg	3.20
433	Ethane, 1,2-dichloro-1,1,2,2-tetrafluoro-, CFC-114	Air	mg	1.21
434	Ethane, 2-chloro-1,1,1,2-tetrafluoro-, HCFC-124	Air	µg	1.24
435	Ethane, hexafluoro-, HFC-116	Air	µg	181.05
436	Ethanol	Water	µg	339.19
437	Ethanol	Air	mg	4.88
438	Ethene	Water	µg	827.60
439	Ethene	Air	mg	67.86
440	Ethene, chloro-	Water	µg	26.10
441	Ethene, chloro-	Air	mg	1.33
442	Ethene, tetrachloro-	Air	mg	1.16
443	Ethene, trichloro-	Air	µg	6.11
444	Ethephon	Soil	µg	27.63
445	Ethephon	Water	pg	0.04
446	Ethephon	Air	pg	0.55
447	Ethofumesate	Soil	µg	34.65
448	Ethoprop	Soil	µg	1.00
449	Ethyl acetate	Water	µg	1.31
450	Ethyl acetate	Air	mg	4.93
451	Ethyl cellulose	Air	µg	9.64
452	Ethylamine	Water	µg	1.79
453	Ethylamine	Air	ng	743.83

454	Ethylene diamine	Water	µg	3.91
455	Ethylene diamine	Air	µg	1.62
456	Ethylene oxide	Water	µg	28.98
457	Ethylene oxide	Air	µg	30.73
458	Ethyne	Air	mg	8.12
459	Europium	Raw	µg	2.98
460	Feldspar	Raw	µg	219.56
461	Fenamiphos	Soil	µg	20.90
462	Fenbuconazole	Soil	ng	169.66
463	Fenoxaprop	Soil	ng	109.29
464	Fenoxaprop	Air	ng	93.80
465	Fenoxaprop ethyl ester	Soil	ng	456.17
466	Fenoxaprop-P ethyl ester	Soil	ng	408.83
467	Fenpiclonil	Soil	µg	47.32
468	Fenpropidin	Soil	µg	12.61
469	Fenpropimorph	Soil	µg	11.66
470	Fentin hydroxide	Soil	ng	173.73
471	Fipronil	Soil	µg	38.91
472	Fish, pelagic, in ocean	Raw	mg	1.24
473	Florasulam	Soil	ng	91.67
474	Fluazifop	Soil	ng	964.43
475	Fluazifop-P-butyl	Soil	µg	5.24
476	Fluazifop-p-butyl	Air	ng	134.60
477	Flucarbazone sodium salt	Soil	pg	364.13
478	Fludioxonil	Soil	µg	2.64
479	Flufenacet	Soil	µg	3.69
480	Flufenacet	Air	ng	50.47
481	Flumetsulam	Soil	µg	1.32
482	Flumetsulam	Air	ng	11.81
483	Flumiclorac-pentyl	Soil	pg	865.73
484	Flumiclorac-pentyl	Air	ng	20.20
485	Flumioxazin	Soil	ng	69.21
486	Flumioxazin	Air	ng	204.38
487	Fluoranthene	Water	µg	71.86
488	Fluoranthene	Air	ng	12.65
489	Fluorene	Water	µg	26.48
490	Fluorene	Air	ng	11.88
491	Fluoride	Soil	mg	27.29
492	Fluoride	Water	mg	770.70
493	Fluorine	Air	µg	989.47
494	Fluorine	Raw	mg	286.48
495	Fluorine, 4.5% in apatite, 3% in crude ore	Raw	mg	72.22
496	Fluorspar	Raw	g	1.06
497	Fluosilicic acid	Water	mg	1.95
498	Fluosilicic acid	Air	mg	1.04
499	Flupyrsulfuron-methyl	Soil	pg	565.30
500	Fluquinconazole	Soil	ng	23.31
501	Fluroxypyr	Soil	ng	430.34
502	Flurtamone	Soil	µg	17.04
503	Flusilazole	Soil	ng	509.07
504	Flutolanil	Soil	ng	197.55
505	Folpet	Soil	µg	3.33

506	Fomesafen	Soil	ng	429.48
507	Fomesafen	Air	ng	759.89
508	Foramsulfuron	Soil	ng	141.67
509	Formaldehyde	Water	mg	8.59
510	Formaldehyde	Air	mg	219.79
511	Formamide	Water	µg	1.10
512	Formamide	Air	ng	459.95
513	Formate	Water	µg	71.05
514	Formic acid	Water	ng	320.45
515	Formic acid	Air	mg	1.15
516	Fosetyl	Soil	µg	1.02
517	Fosetyl-aluminium	Soil	µg	72.47
518	Fungicides, unspecified	Soil	µg	43.47
519	Furan	Air	mg	4.99
520	Furathiocarb	Soil	µg	3.44
521	Gadolinium	Raw	µg	7.44
522	Gallium	Raw	mg	9.25
523	Gangue, bauxite	Raw	g	316.55
524	Gas, mine, off-gas, process, coal mining/m3	Raw	l	919.26
525	Gas, natural/m3	Raw	m3	4.94
526	Glucose	Water	ng	495.06
527	Glufosinate	Soil	µg	22.95
528	Glutaraldehyde	Water	µg	55.64
529	Glyphosate	Soil	mg	9.86
530	Glyphosate	Water	µg	3.20
531	Glyphosate	Air	µg	152.41
532	Gold	Raw	µg	30.21
533	Gold, Au 1.0E-7%, in mixed ore	Raw	ng	25.82
534	Gold, Au 1.1E-4%, Ag 4.2E-3%, in ore	Raw	µg	6.35
535	Gold, Au 1.3E-4%, Ag 4.6E-5%, in ore	Raw	µg	10.24
536	Gold, Au 1.8E-4%, in mixed ore	Raw	µg	1.88
537	Gold, Au 2.1E-4%, Ag 2.1E-4%, in ore	Raw	µg	2.22
538	Gold, Au 4.3E-4%, in ore	Raw	µg	5.90
539	Gold, Au 4.9E-5%, in ore	Raw	µg	29.58
540	Gold, Au 5.4E-4%, Ag 1.5E-5%, in ore	Raw	ng	190.99
541	Gold, Au 6.7E-4%, in ore	Raw	µg	31.55
542	Gold, Au 6.8E-4%, Ag 1.5E-4%, in ore	Raw	ng	259.53
543	Gold, Au 7.1E-4%, in ore	Raw	µg	14.61
544	Gold, Au 9.7E-4%, Ag 9.7E-4%, Zn 0.63%, Cu 0.38%, Pb 0.014%, in ore	Raw	µg	79.35
545	Gold, Au 9.7E-5%, Ag 7.6E-5%, in ore	Raw	ng	938.92
546	Granite	Raw	ng	245.57
547	Gravel	Raw	kg	20.89
548	Gypsum	Raw	g	24.36
549	Halosulfuron-methyl	Soil	pg	948.47
550	Heat, waste	Soil	kJ	8.58
551	Heat, waste	Water	kJ	127.91
552	Heat, waste	Air	kJ	553.96
553	Helium	Air	mg	8.56
554	Heptane	Air	mg	87.91
555	Herbicides, unspecified	Soil	µg	14.95
556	Hexaconazole	Soil	µg	36.94

557	Hexane	Air	mg	253.11
558	Hexazinone	Soil	µg	3.50
559	Hydramethylnon	Soil	ng	80.71
560	Hydrazine	Water	ng	108.58
561	Hydrocarbons, aliphatic, alkanes, cyclic	Air	mg	224.19
562	Hydrocarbons, aliphatic, alkanes, unspecified	Water	mg	22.14
563	Hydrocarbons, aliphatic, alkanes, unspecified	Air	mg	619.21
564	Hydrocarbons, aliphatic, unsaturated	Water	mg	2.04
565	Hydrocarbons, aliphatic, unsaturated	Air	mg	450.29
566	Hydrocarbons, aromatic	Water	mg	90.96
567	Hydrocarbons, aromatic	Air	mg	306.98
568	Hydrocarbons, chlorinated	Air	mg	9.66
569	Hydrocarbons, unspecified	Soil	µg	440.88
570	Hydrocarbons, unspecified	Water	mg	46.97
571	Hydrocarbons, unspecified	Air	µg	195.28
572	Hydrogen	Air	mg	83.11
573	Hydrogen carbonate	Water	mg	64.62
574	Hydrogen chloride	Water	mg	10.50
575	Hydrogen chloride	Air	g	86.38
576	Hydrogen fluoride	Air	g	9.28
577	Hydrogen peroxide	Water	µg	166.22
578	Hydrogen peroxide	Air	µg	6.19
579	Hydrogen sulfide	Water	µg	468.68
580	Hydrogen sulfide	Air	mg	118.47
581	Hydrogen-3, Tritium	Water	kBq	62.42
582	Hydrogen-3, Tritium	Air	Bq	579.70
583	Hydroxide	Water	µg	297.80
584	Hypochlorite	Water	mg	3.33
585	Imazamox	Soil	ng	55.38
586	Imazamox	Air	ng	30.22
587	Imazapyr	Soil	ng	18.89
588	Imazaquin	Soil	ng	4.13
589	Imazaquin	Air	ng	96.36
590	Imazethapyr	Soil	ng	204.32
591	Imazethapyr	Air	ng	199.42
592	Imidacloprid	Soil	µg	61.90
593	Indeno(1,2,3-cd)pyrene	Water	ng	2.51
594	Indeno(1,2,3-cd)pyrene	Air	pg	301.91
595	Indium	Raw	mg	1.84
596	Indoxacarb	Soil	µg	25.57
597	Insecticides, unspecified	Soil	µg	2.64
598	Iodide	Soil	ng	4.14
599	Iodide	Water	mg	80.50
600	Iodine	Air	mg	515.12
601	Iodine	Raw	µg	748.23
602	Iodine-129	Air	mBq	95.45
603	Iodine-131	Water	mBq	360.94
604	Iodine-131	Air	mBq	441.98
605	Iodine-133	Water	mBq	7.45
606	Iodine-133	Air	mBq	17.19
607	Iodosulfuron	Soil	ng	1.55
608	Iodosulfuron-methyl-sodium	Soil	pg	352.75

609	Ioxynil	Soil	µg	6.55
610	Iprodione	Soil	µg	341.61
611	Iron	Soil	g	5.66
612	Iron	Water	g	18.87
613	Iron	Air	mg	202.78
614	Iron	Raw	g	816.24
615	Iron-59	Water	Bq	1.30
616	Isocyanic acid	Air	mg	2.11
617	Isoprene	Air	µg	16.64
618	Isopropylamine	Water	µg	1.10
619	Isopropylamine	Air	ng	458.88
620	Isoproturon	Soil	µg	30.99
621	Isoxaflutole	Soil	µg	4.32
622	Kaolin	Soil	µg	6.72
623	Kaolinite	Raw	g	2.78
624	Kieserite	Raw	g	11.64
625	Kresoxim-methyl	Soil	ng	609.12
626	Krypton	Raw	µg	344.05
627	Krypton-85	Air	Bq	10.18
628	Krypton-85m	Air	Bq	113.70
629	Krypton-87	Air	Bq	8.29
630	Krypton-88	Air	Bq	10.96
631	Krypton-89	Air	Bq	4.66
632	Lactic acid	Water	ng	583.01
633	Lactic acid	Air	ng	242.92
634	Lactofen	Soil	ng	4.16
635	Lactofen	Air	ng	97.04
636	Lambda-cyhalothrin	Soil	µg	1.42
637	Lambda-cyhalothrin	Water	pg	0.00
638	Lambda-cyhalothrin	Air	pg	0.02
639	Land use III-IV	Raw	cm2a	360.01
640	Lanthanum	Raw	µg	356.70
641	Lanthanum-140	Water	mBq	11.00
642	Lanthanum-140	Air	µBq	221.03
643	Lead	Soil	mg	1.43
644	Lead	Water	mg	7.64
645	Lead	Air	mg	148.20
646	Lead	Raw	g	1.84
647	Lead, Pb 0.014%, Au 9.7E-4%, Ag 9.7E-4%, Zn 0.63%, Cu 0.38%, in ore	Raw	mg	393.62
648	Lead, Pb 3.6E-1%, in mixed ore	Raw	mg	2.83
649	Lead-210	Water	Bq	1.40
650	Lead-210	Air	Bq	224.09
651	Lenacil	Soil	µg	2.06
652	Linuron	Soil	µg	99.11
653	Lithium	Soil	µg	4.47
654	Lithium	Water	g	4.28
655	Lithium	Air	ng	1.12
656	Lithium	Raw	µg	408.76
657	Magnesite	Raw	g	7.32
658	Magnesium	Soil	mg	117.73
659	Magnesium	Water	g	25.18

660	Magnesium	Air	mg	351.19
661	Malathion	Soil	µg	5.82
662	Maleic anhydride	Water	ng	212.12
663	Maleic hydrazide	Soil	µg	1.10
664	Mancozeb	Soil	mg	2.01
665	Mandipropamid	Soil	ng	2.37
666	Maneb	Soil	ng	25.57
667	Manganese	Soil	mg	16.97
668	Manganese	Water	g	1.22
669	Manganese	Air	mg	121.80
670	Manganese	Raw	g	5.59
671	Manganese-54	Water	mBq	225.94
672	Manganese-54	Air	µBq	20.57
673	MCPB	Soil	µg	6.66
674	MCPB	Water	ng	33.43
675	MCPB	Air	ng	14.44
676	Mecoprop	Soil	ng	332.62
677	Mecoprop-P	Soil	ng	720.15
678	Mefenpyr	Soil	ng	917.01
679	Mefenpyr-diethyl	Soil	ng	498.83
680	Mepiquat chloride	Soil	µg	4.38
681	Mercury	Soil	µg	2.68
682	Mercury	Water	µg	166.98
683	Mercury	Air	mg	9.98
684	Mesosulfuron-methyl (prop)	Soil	ng	1.95
685	Mesotrione	Soil	µg	6.14
686	Metalaxil	Soil	ng	721.24
687	Metalaxyl-M	Soil	µg	834.39
688	Metaldehyde (tetramer)	Soil	µg	44.34
689	Metamitron	Soil	µg	115.18
690	Metamorphous rock, graphite containing	Raw	mg	43.61
691	Metam-sodium dihydrate	Soil	µg	179.24
692	Metazachlor	Soil	µg	20.93
693	Metconazole	Soil	ng	117.03
694	Methane	Air	µg	23.17
695	Methane, biogenic	Air	mg	919.70
696	Methane, bromo-, Halon 1001	Air	ng	97.07
697	Methane, bromochlorodifluoro-, Halon 1211	Air	µg	21.96
698	Methane, bromotrifluoro-, Halon 1301	Air	µg	216.68
699	Methane, chlorodifluoro-, HCFC-22	Air	µg	557.70
700	Methane, dichloro-, HCC-30	Water	mg	4.17
701	Methane, dichloro-, HCC-30	Air	mg	97.70
702	Methane, dichlorodifluoro-, CFC-12	Air	µg	69.46
703	Methane, dichlorofluoro-, HCFC-21	Air	ng	35.24
704	Methane, fossil	Air	g	321.16
705	Methane, land transformation	Air	mg	9.22
706	Methane, monochloro-, R-40	Air	mg	14.04
707	Methane, tetrachloro-, CFC-10	Air	mg	300.23
708	Methane, tetrafluoro-, CFC-14	Air	mg	2.69
709	Methane, trichlorofluoro-, CFC-11	Air	ng	38.85
710	Methane, trifluoro-, HFC-23	Air	µg	11.21
711	Methanesulfonic acid	Air	ng	122.77

712	Methanol	Water	mg	3.19
713	Methanol	Air	mg	60.45
714	Methiocarb	Soil	ng	731.85
715	Methomyl	Soil	pg	5.97
716	Methomyl	Water	pg	0.03
717	Methomyl	Air	pg	1.89
718	Methoxyfenozide	Soil	µg	2.76
719	Methyl acetate	Water	ng	111.62
720	Methyl acetate	Air	ng	46.51
721	Methyl acrylate	Water	µg	146.94
722	Methyl acrylate	Air	µg	7.52
723	Methyl borate	Air	ng	256.35
724	Methyl ethyl ketone	Air	mg	4.93
725	Methyl formate	Water	ng	70.54
726	Methyl formate	Air	ng	176.69
727	Methyl lactate	Air	ng	266.68
728	Methylamine	Water	ng	315.13
729	Methylamine	Air	ng	996.35
730	Metiram	Soil	ng	746.04
731	Metolachlor	Soil	µg	364.50
732	Metolachlor	Water	ng	89.69
733	Metolachlor	Air	µg	1.70
734	Metosulam	Soil	ng	1.11
735	Metribuzin	Soil	µg	61.97
736	Metribuzin	Air	ng	629.37
737	Metsulfuron-methyl	Soil	µg	1.18
738	Mineral oil	Soil	mg	3.06
739	Molinate	Soil	ng	284.22
740	Molybdenum	Soil	µg	28.16
741	Molybdenum	Water	mg	355.67
742	Molybdenum	Air	mg	10.03
743	Molybdenum	Raw	mg	76.14
744	Molybdenum, 0.010% in sulfide, Mo 8.2E-3% and Cu 1.83% in crude ore	Raw	mg	29.73
745	Molybdenum, 0.014% in sulfide, Mo 8.2E-3% and Cu 0.81% in crude ore	Raw	mg	6.40
746	Molybdenum, 0.016% in sulfide, Mo 8.2E-3% and Cu 0.27% in crude ore	Raw	mg	67.71
747	Molybdenum, 0.022% in sulfide, Mo 8.2E-3% and Cu 0.22% in crude ore	Raw	mg	43.45
748	Molybdenum, 0.022% in sulfide, Mo 8.2E-3% and Cu 0.36% in crude ore	Raw	mg	48.88
749	Molybdenum, 0.025% in sulfide, Mo 8.2E-3% and Cu 0.39% in crude ore	Raw	mg	52.17
750	Molybdenum-99	Water	mBq	2.52
751	Monobutyltin	Water	pg	0.99
752	Monocrotophos	Soil	µg	22.44
753	Monoethanolamine	Water	µg	11.15
754	Monoethanolamine	Air	mg	1.48
755	Monophenyltin	Water	pg	0.00
756	Monosodium acid methanearsonate	Soil	µg	3.22
757	m-Xylene	Water	µg	121.28
758	m-Xylene	Air	mg	3.53

759	Myclobutanil	Soil	µg	3.88
760	Naphthalene	Water	µg	5.31
761	Naphthalene	Air	µg	13.28
762	Napropamide	Soil	µg	14.44
763	Neodymium	Raw	µg	196.19
764	Nickel	Soil	µg	342.44
765	Nickel	Water	mg	59.45
766	Nickel	Air	mg	100.64
767	Nickel, 1.13% in sulfide, Ni 0.76% and Cu 0.76% in crude ore	Raw	mg	324.69
768	Nickel, 1.98% in silicates, 1.04% in crude ore	Raw	g	7.91
769	Nickel, Ni 2.3E+0%, Pt 2.5E-4%, Pd 7.3E-4%, Rh 2.0E-5%, Cu 3.2E+0% in ore	Raw	mg	133.71
770	Nickel, Ni 2.5E+0%, in mixed ore	Raw	mg	6.13
771	Nickel, Ni 3.7E-2%, Pt 4.8E-4%, Pd 2.0E-4%, Rh 2.4E-5%, Cu 5.2E-2% in ore	Raw	mg	45.30
772	Nicosulfuron	Soil	µg	1.04
773	Niobium-95	Water	mBq	32.60
774	Niobium-95	Air	Bq	1.59
775	Nitrate	Soil	mg	5.15
776	Nitrate	Water	g	4.46
777	Nitrate	Air	mg	3.17
778	Nitrite	Water	mg	2.33
779	Nitrobenzene	Water	µg	135.46
780	Nitrobenzene	Air	µg	33.80
781	Nitrogen fluoride	Air	ng	1.05
782	Nitrogen monoxide	Air	µg	18.87
783	Nitrogen oxides	Air	g	861.76
784	Nitrogen, atmospheric	Soil	mg	2.82
785	Nitrogen, atmospheric	Water	mg	102.96
786	Nitrogen, atmospheric	Air	g	6.00
787	Nitrogen, atmospheric	Raw	g	107.77
788	Nitrogen, organic bound	Water	mg	77.25
789	NMVOC, non-methane volatile organic compounds, unspecified origin	Air	g	66.10
790	Noble gases, radioactive, unspecified	Air	kBq	918.52
791	Norflurazon	Soil	µg	11.03
792	Occupation, annual crop	Raw	cm2a	117.47
793	Occupation, annual crop, greenhouse	Raw	mm2 a	29.07
794	Occupation, annual crop, irrigated	Raw	mm2 a	329.79
795	Occupation, annual crop, irrigated, intensive	Raw	mm2 a	625.32
796	Occupation, annual crop, non-irrigated	Raw	mm2 a	26.19
797	Occupation, annual crop, non-irrigated, extensive	Raw	cm2a	25.48
798	Occupation, annual crop, non-irrigated, intensive	Raw	cm2a	113.15
799	Occupation, arable land, unspecified use	Raw	mm2 a	0.00
800	Occupation, construction site	Raw	cm2a	99.04
801	Occupation, dump site	Raw	m2a	1.32
802	Occupation, forest, extensive	Raw	cm2a	122.10
803	Occupation, forest, intensive	Raw	m2a	4.79

804	Occupation, grassland, natural (non-use)	Raw	cm2a	683.48
805	Occupation, industrial area	Raw	m2a	0.63
806	Occupation, inland waterbody, unspecified	Raw	mm2 a	10.85
807	Occupation, mineral extraction site	Raw	m2a	0.85
808	Occupation, pasture, man made, extensive	Raw	mm2 a	27.63
809	Occupation, pasture, man made, intensive	Raw	cm2a	29.39
810	Occupation, permanent crop	Raw	mm2 a	804.41
811	Occupation, permanent crop, irrigated	Raw	cm2a	107.49
812	Occupation, permanent crop, irrigated, intensive	Raw	mm2 a	254.38
813	Occupation, permanent crop, non-irrigated, intensive	Raw	mm2 a	33.54
814	Occupation, seabed, drilling and mining	Raw	mm2 a	723.31
815	Occupation, seabed, infrastructure	Raw	mm2 a	6.92
816	Occupation, shrub land, sclerophyllous	Raw	cm2a	87.09
817	Occupation, traffic area, rail network	Raw	m2a	0.14
818	Occupation, traffic area, rail/road embankment	Raw	m2a	0.25
819	Occupation, traffic area, road network	Raw	m2a	0.25
820	Occupation, unknown	Raw	mm2 a	48.41
821	Occupation, urban, discontinuously built	Raw	mm2 a	155.82
822	Occupation, urban/industrial fallow (non-use)	Raw	mm2 a	36.41
823	Occupation, water bodies, artificial	Raw	m2a	2.80
824	Octaethylene glycol monododecyl ether	Air	ng	472.74
825	Oil, crude	Raw	kg	3.42
826	Oils, biogenic	Soil	mg	154.53
827	Oils, biogenic	Water	µg	307.88
828	Oils, unspecified	Soil	g	11.37
829	Oils, unspecified	Water	g	10.78
830	Olivine	Raw	µg	119.87
831	Orbencarb	Soil	µg	296.51
832	Organic carbon	Soil	µg	53.18
833	Organic carbon	Water	µg	53.18
834	Organic carbon	Air	µg	16.34
835	Oryzalin	Soil	µg	5.09
836	Oxamyl	Soil	µg	1.02
837	Oxydemeton methyl	Soil	ng	108.70
838	Oxyfluorfen	Soil	µg	41.93
839	Oxygen	Water	ng	43.97
840	Oxygen	Raw	g	152.56
841	o-Xylene	Water	µg	87.83
842	o-Xylene	Air	mg	1.30
843	Ozone	Air	g	1.71
844	PAH, polycyclic aromatic hydrocarbons	Soil	µg	13.40
845	PAH, polycyclic aromatic hydrocarbons	Water	mg	1.27
846	PAH, polycyclic aromatic hydrocarbons	Air	mg	33.22
847	Palladium, Pd 1.6E-6%, in mixed ore	Raw	ng	409.81

848	Palladium, Pd 2.0E-4%, Pt 4.8E-4%, Rh 2.4E-5%, Ni 3.7E-2%, Cu 5.2E-2% in ore	Raw	µg	88.39
849	Palladium, Pd 7.3E-4%, Pt 2.5E-4%, Rh 2.0E-5%, Ni 2.3E+0%, Cu 3.2E+0% in ore	Raw	µg	42.20
850	Paraffins	Water	µg	137.01
851	Paraffins	Air	µg	30.82
852	Paraquat	Soil	µg	133.48
853	Paraquat	Air	ng	404.87
854	Parathion	Soil	ng	804.70
855	Parathion, methyl	Soil	ng	3.33
856	Parathion, methyl	Air	ng	77.70
857	Particulates, < 2.5 um	Air	g	595.11
858	Particulates, > 10 um	Air	g	790.12
859	Particulates, > 2.5 um, and < 10um	Air	g	77.49
860	Peat	Raw	g	3.31
861	Pendimethalin	Soil	µg	42.74
862	Pendimethalin	Water	ng	7.90
863	Pendimethalin	Air	µg	4.36
864	Pentane	Water	ng	25.81
865	Pentane	Air	mg	761.20
866	Pentane, 2,2,4-trimethyl-	Air	ng	4.90
867	Pentane, 2-methyl-	Air	µg	7.00
868	Perlite	Raw	mg	31.39
869	Permethrin	Soil	ng	462.58
870	Permethrin	Air	ng	63.38
871	Pesticides, unspecified	Soil	µg	364.40
872	Phenanthrene	Water	µg	59.61
873	Phenanthrene	Air	ng	177.01
874	Phenmedipham	Soil	µg	21.36
875	Phenol	Water	mg	26.07
876	Phenol	Air	mg	2.62
877	Phenol, 2,4-dichloro-	Air	ng	395.61
878	Phenol, pentachloro-	Soil	ng	472.38
879	Phenol, pentachloro-	Air	µg	513.66
880	Phorate	Soil	µg	1.82
881	Phosgene	Air	µg	6.19
882	Phosmet	Soil	µg	2.68
883	Phosphate	Water	g	72.51
884	Phosphine	Air	µg	2.45
885	Phosphoric acid	Water	ng	245.86
886	Phosphoric acid	Air	ng	1.90
887	Phosphorus	Soil	mg	13.26
888	Phosphorus	Water	mg	6.29
889	Phosphorus	Air	mg	2.15
890	Phosphorus	Raw	mg	473.45
891	Phosphorus oxychloride	Water	ng	93.30
892	Phosphorus pentachloride	Water	ng	450.05
893	Phosphorus trichloride	Water	ng	16.71
894	Phosphorus trichloride	Air	µg	31.98
895	Phosphorus, 18% in apatite, 4% in crude ore	Raw	g	1.15
896	Picloram	Soil	pg	728.25
897	Picoxystrobin	Soil	µg	1.21
898	Piperonyl butoxide	Soil	ng	548.86

899	Pirimicarb	Soil	µg	27.47
900	Pirimiphos methyl	Soil	µg	9.27
901	Platinum	Air	µg	289.10
902	Platinum, Pt 2.5E-4%, Pd 7.3E-4%, Rh 2.0E-5%, Ni 2.3E+0%, Cu 3.2E+0% in ore	Raw	µg	14.46
903	Platinum, Pt 4.7E-7%, in mixed ore	Raw	ng	118.54
904	Platinum, Pt 4.8E-4%, Pd 2.0E-4%, Rh 2.4E-5%, Ni 3.7E-2%, Cu 5.2E-2% in ore	Raw	µg	207.99
905	Plutonium-238	Air	nBq	13.02
906	Plutonium-alpha	Air	nBq	29.85
907	Polonium-210	Water	Bq	1.04
908	Polonium-210	Air	Bq	397.72
909	Polychlorinated biphenyls	Water	ng	8.36
910	Polychlorinated biphenyls	Air	µg	10.35
911	Potassium	Soil	mg	86.20
912	Potassium	Water	g	78.17
913	Potassium	Air	mg	84.72
914	Potassium chloride	Raw	g	1.93
915	Potassium-40	Water	mBq	373.66
916	Potassium-40	Air	Bq	74.28
917	Praseodymium	Raw	µg	20.82
918	Primisulfuron	Soil	ng	472.26
919	Prochloraz	Soil	ng	281.52
920	Procymidone	Soil	ng	114.37
921	Profenofos	Soil	µg	5.02
922	Prohexadione-calcium	Soil	pg	438.81
923	Prometryn	Soil	µg	2.69
924	Pronamide	Soil	ng	1.15
925	Propachlor	Soil	µg	127.66
926	Propamocarb HCl	Soil	ng	8.72
927	Propanal	Water	ng	691.68
928	Propanal	Air	µg	145.64
929	Propane	Air	mg	505.61
930	Propanil	Soil	ng	736.13
931	Propargite	Soil	ng	582.20
932	Propene	Water	mg	4.76
933	Propene	Air	mg	51.79
934	Propiconazole	Soil	µg	4.41
935	Propiconazole	Water	pg	125.92
936	Propiconazole	Air	ng	74.50
937	Propionic acid	Water	µg	2.90
938	Propionic acid	Air	mg	2.41
939	Propoxycarbazone-sodium (prop)	Soil	ng	2.43
940	Propylamine	Water	ng	271.67
941	Propylamine	Air	ng	113.20
942	Propylene oxide	Water	µg	618.08
943	Propylene oxide	Air	µg	260.50
944	Prosulfuron	Soil	ng	175.42
945	Protactinium-234	Water	Bq	1.13
946	Protactinium-234	Air	Bq	3.37
947	Prothioconazol	Soil	ng	341.19
948	Prothioconazol	Water	pg	0.01
949	Prothioconazol	Air	pg	0.05

950	Pumice	Raw	g	3.66
951	Pymetrozine	Soil	ng	55.78
952	Pyraclostrobin (prop)	Soil	µg	88.35
953	Pyraclostrobin (prop)	Water	pg	64.06
954	Pyraclostrobin (prop)	Air	ng	175.43
955	Pyrene	Water	µg	54.13
956	Pyrene	Air	ng	9.19
957	Pyrethrin	Soil	ng	603.19
958	Pyrimethanil	Soil	µg	4.78
959	Pyriproxyfen sodium salt	Soil	ng	180.23
960	Quinclorac	Soil	ng	12.29
961	Quinoxifen	Soil	ng	21.27
962	Quizalofop ethyl ester	Soil	ng	15.65
963	Quizalofop ethyl ester	Air	ng	23.53
964	Quizalofop-P	Soil	ng	16.45
965	Quizalofop-p-ethyl	Soil	µg	4.05
966	Radioactive species, alpha emitters	Water	mBq	9.37
967	Radioactive species, Nuclides, unspecified	Water	Bq	94.59
968	Radioactive species, other beta emitters	Air	Bq	196.83
969	Radium-224	Water	Bq	8.52
970	Radium-226	Water	Bq	391.04
971	Radium-226	Air	Bq	60.74
972	Radium-228	Water	Bq	24.45
973	Radium-228	Air	Bq	20.08
974	Radon-220	Air	kBq	1.64
975	Radon-222	Air	kBq	146.11
976	Rhenium	Raw	ng	353.65
977	Rhodium, Rh 1.6E-7%, in mixed ore	Raw	ng	40.22
978	Rhodium, Rh 2.0E-5%, Pt 2.5E-4%, Pd 7.3E-4%, Ni 2.3E+0%, Cu 3.2E+0% in ore	Raw	µg	1.16
979	Rhodium, Rh 2.4E-5%, Pt 4.8E-4%, Pd 2.0E-4%, Ni 3.7E-2%, Cu 5.2E-2% in ore	Raw	µg	10.41
980	Rimsulfuron	Soil	ng	499.63
981	Rotenone	Soil	ng	337.79
982	Rubidium	Water	mg	1.70
983	Ruthenium-103	Water	mBq	2.73
984	Ruthenium-103	Air	nBq	536.58
985	Samarium	Raw	µg	14.85
986	Sand	Raw	mg	499.77
987	Scandium	Soil	µg	32.05
988	Scandium	Water	mg	93.77
989	Scandium	Air	µg	20.26
990	Selenium	Soil	µg	97.03
991	Selenium	Water	mg	66.75
992	Selenium	Air	mg	55.50
993	Sethoxydim	Soil	ng	99.59
994	Sethoxydim	Air	ng	50.64
995	Shale	Raw	kg	57.54
996	Silicon	Soil	mg	429.02
997	Silicon	Water	g	11.66
998	Silicon	Air	mg	289.87
999	Silicon dioxide	Water	mg	1.05
1000	Silicon tetrachloride	Air	µg	123.77

1001	Silicon tetrafluoride	Air	µg	8.24
1002	Silthiofam	Soil	ng	32.69
1003	Silver	Soil	µg	5.48
1004	Silver	Water	mg	8.97
1005	Silver	Air	ng	910.93
1006	Silver, 0.007% in sulfide, Ag 0.004%, Pb, Zn, Cd, In	Raw	mg	2.68
1007	Silver, 3.2ppm in sulfide, Ag 1.2ppm, Cu and Te, in crude ore	Raw	ng	63.69
1008	Silver, Ag 1.5E-4%, Au 6.8E-4%, in ore	Raw	ng	58.25
1009	Silver, Ag 1.5E-5%, Au 5.4E-4%, in ore	Raw	ng	5.33
1010	Silver, Ag 1.8E-6%, in mixed ore	Raw	ng	457.22
1011	Silver, Ag 2.1E-4%, Au 2.1E-4%, in ore	Raw	µg	2.26
1012	Silver, Ag 4.2E-3%, Au 1.1E-4%, in ore	Raw	µg	237.69
1013	Silver, Ag 4.6E-5%, Au 1.3E-4%, in ore	Raw	µg	3.66
1014	Silver, Ag 5.4E-3%, in mixed ore	Raw	µg	42.85
1015	Silver, Ag 7.6E-5%, Au 9.7E-5%, in ore	Raw	ng	735.64
1016	Silver, Ag 9.7E-4%, Au 9.7E-4%, Zn 0.63%, Cu 0.38%, Pb 0.014%, in ore	Raw	mg	4.01
1017	Silver-110	Water	Bq	1.83
1018	Silver-110	Air	µBq	29.56
1019	Simazine	Soil	µg	68.64
1020	Sodium	Soil	mg	258.77
1021	Sodium	Water	g	165.70
1022	Sodium	Air	mg	25.49
1023	Sodium chlorate	Water	ng	740.64
1024	Sodium chlorate	Air	µg	62.39
1025	Sodium chloride	Raw	g	168.24
1026	Sodium dichromate	Air	µg	24.31
1027	Sodium formate	Water	µg	15.87
1028	Sodium formate	Air	µg	6.61
1029	Sodium hydroxide	Air	µg	21.95
1030	Sodium nitrate	Raw	ng	29.07
1031	Sodium sulfate	Raw	mg	25.26
1032	Sodium tetrahydroborate	Air	ng	696.25
1033	Sodium-24	Water	mBq	95.99
1034	Solids, inorganic	Water	g	51.74
1035	Spinosad	Soil	ng	549.89
1036	Spiroxamine	Soil	µg	1.04
1037	Spodumene	Raw	µg	126.00
1038	Stibnite	Raw	µg	12.74
1039	Strontium	Soil	mg	2.39
1040	Strontium	Water	g	1.93
1041	Strontium	Air	mg	194.59
1042	Strontium	Raw	mg	1.89
1043	Strontium-89	Water	mBq	69.92
1044	Strontium-90	Water	Bq	10.73
1045	Styrene	Air	mg	6.95
1046	Sulfate	Soil	mg	8.59
1047	Sulfate	Water	g	486.58
1048	Sulfate	Air	mg	113.88
1049	Sulfentrazone	Soil	ng	643.61
1050	Sulfentrazone	Air	ng	484.27
1051	Sulfide	Water	µg	881.22

1052	Sulfite	Water	mg	8.99
1053	Sulfosate	Soil	µg	2.56
1054	Sulfosulfuron	Soil	ng	8.74
1055	Sulfur	Soil	mg	141.53
1056	Sulfur	Water	mg	60.97
1057	Sulfur	Raw	mg	226.69
1058	Sulfur dioxide	Air	g	891.74
1059	Sulfur hexafluoride	Air	mg	49.45
1060	Sulfur oxides	Air	µg	153.67
1061	Sulfur trioxide	Air	µg	15.79
1062	Sulfuric acid	Soil	µg	204.84
1063	Sulfuric acid	Air	µg	580.86
1064	Suspended solids, unspecified	Water	g	209.12
1065	Talc	Raw	mg	282.36
1066	Tantalum	Raw	µg	858.59
1067	t-Butyl methyl ether	Water	µg	5.74
1068	t-Butyl methyl ether	Air	µg	126.03
1069	t-Butylamine	Water	ng	553.24
1070	t-Butylamine	Air	ng	230.51
1071	Tebuconazole	Soil	µg	2.20
1072	Tebuconazole	Water	pg	0.04
1073	Tebuconazole	Air	pg	0.13
1074	Tebupirimphos	Soil	µg	3.97
1075	Tebutam	Soil	µg	57.75
1076	Technetium-99m	Water	mBq	78.53
1077	Teflubenzuron	Soil	µg	3.66
1078	Tefluthrin	Soil	µg	3.13
1079	Tefluthrin	Water	pg	0.02
1080	Tefluthrin	Air	ng	4.16
1081	Tellurium	Raw	ng	9.55
1082	Tellurium-123m	Water	mBq	15.15
1083	Tellurium-132	Water	µBq	795.19
1084	Terbacil	Soil	µg	46.85
1085	Terbufos	Soil	µg	176.84
1086	Terpenes	Air	µg	155.99
1087	Tetramethyl ammonium hydroxide	Air	µg	25.15
1088	Thallium	Soil	µg	2.40
1089	Thallium	Water	µg	128.08
1090	Thallium	Air	µg	31.02
1091	Thiamethoxam	Soil	µg	152.34
1092	Thiazole, 2-(thiocyanatemethylthio)benzo-	Soil	µg	16.92
1093	Thidiazuron	Soil	ng	315.73
1094	Thifensulfuron	Air	ng	6.90
1095	Thifensulfuron-methyl	Soil	ng	8.54
1096	Thiobencarb	Soil	ng	157.55
1097	Thiodicarb	Soil	ng	1.05
1098	Thiodicarb	Air	ng	24.60
1099	Thiram	Soil	ng	887.05
1100	Thorium	Air	µg	28.92
1101	Thorium-228	Water	Bq	34.07
1102	Thorium-228	Air	Bq	10.74
1103	Thorium-230	Water	Bq	95.25

1104	Thorium-230	Air	Bq	3.47
1105	Thorium-232	Water	mBq	58.18
1106	Thorium-232	Air	Bq	15.66
1107	Thorium-234	Water	Bq	1.13
1108	Thorium-234	Air	Bq	3.37
1109	Tin	Soil	µg	133.23
1110	Tin	Water	µg	640.14
1111	Tin	Air	mg	5.45
1112	Tin	Raw	mg	17.73
1113	TiO ₂ , 54% in ilmenite, 18% in crude ore	Raw	mg	65.91
1114	TiO ₂ , 54% in ilmenite, 2.6% in crude ore	Raw	mg	833.27
1115	TiO ₂ , 95% in rutile, 0.40% in crude ore	Raw	mg	128.39
1116	Titanium	Soil	mg	13.75
1117	Titanium	Water	mg	77.62
1118	Titanium	Air	mg	8.53
1119	TOC, Total Organic Carbon	Water	g	11.32
1120	Toluene	Water	mg	28.09
1121	Toluene	Air	mg	382.30
1122	Toluene, 2-chloro-	Water	µg	3.72
1123	Toluene, 2-chloro-	Air	µg	1.81
1124	Tralkoxydim	Soil	µg	8.52
1125	Transformation, from annual crop	Raw	cm ²	161.52
1126	Transformation, from annual crop, greenhouse	Raw	mm ²	65.04
1127	Transformation, from annual crop, irrigated, intensive	Raw	mm ²	879.43
1128	Transformation, from annual crop, non-irrigated	Raw	mm ²	405.25
1129	Transformation, from annual crop, non-irrigated, extensive	Raw	cm ²	44.85
1130	Transformation, from annual crop, non-irrigated, intensive	Raw	cm ²	134.64
1131	Transformation, from cropland fallow (non-use)	Raw	mm ²	5.97
1132	Transformation, from dump site, inert material landfill	Raw	mm ²	301.19
1133	Transformation, from dump site, residual material landfill	Raw	cm ²	14.12
1134	Transformation, from dump site, sanitary landfill	Raw	mm ²	17.32
1135	Transformation, from dump site, slag compartment	Raw	mm ²	9.08
1136	Transformation, from forest, extensive	Raw	mm ²	544.83
1137	Transformation, from forest, intensive	Raw	cm ²	383.99
1138	Transformation, from forest, primary (non-use)	Raw	mm ²	992.67
1139	Transformation, from forest, secondary (non-use)	Raw	mm ²	131.39
1140	Transformation, from forest, unspecified	Raw	cm ²	46.38
1141	Transformation, from grassland, natural (non-use)	Raw	mm ²	44.36
1142	Transformation, from grassland, natural, for livestock grazing	Raw	cm ²	10.67
1143	Transformation, from heterogeneous, agricultural	Raw	mm ²	0.05
1144	Transformation, from industrial area	Raw	mm ²	67.16
1145	Transformation, from mineral extraction site	Raw	mm ²	285.93
1146	Transformation, from pasture, man made	Raw	cm ²	44.37
1147	Transformation, from pasture, man made, extensive	Raw	mm ²	0.55
1148	Transformation, from pasture, man made, intensive	Raw	cm ²	23.36
1149	Transformation, from permanent crop	Raw	mm ²	54.08
1150	Transformation, from permanent crop, irrigated	Raw	mm ²	467.08

1151	Transformation, from permanent crop, irrigated, intensive	Raw	mm2	226.67
1152	Transformation, from permanent crop, non-irrigated, intensive	Raw	mm2	33.54
1153	Transformation, from seabed, infrastructure	Raw	mm2	0.04
1154	Transformation, from seabed, unspecified	Raw	mm2	724.62
1155	Transformation, from shrub land, sclerophyllous	Raw	cm2	32.13
1156	Transformation, from traffic area, rail/road embankment	Raw	mm2	693.37
1157	Transformation, from traffic area, road network	Raw	mm2	0.01
1158	Transformation, from unknown	Raw	cm2	517.09
1159	Transformation, from unspecified, natural (non-use)	Raw	mm2	0.47
1160	Transformation, from wetland, inland (non-use)	Raw	mm2	0.28
1161	Transformation, to annual crop	Raw	cm2	114.71
1162	Transformation, to annual crop, fallow	Raw	mm2	7.99
1163	Transformation, to annual crop, greenhouse	Raw	mm2	65.04
1164	Transformation, to annual crop, irrigated, extensive	Raw	mm2	46.36
1165	Transformation, to annual crop, irrigated, intensive	Raw	cm2	15.05
1166	Transformation, to annual crop, non-irrigated	Raw	mm2	72.59
1167	Transformation, to annual crop, non-irrigated, extensive	Raw	cm2	45.54
1168	Transformation, to annual crop, non-irrigated, intensive	Raw	cm2	181.16
1169	Transformation, to dump site	Raw	cm2	98.98
1170	Transformation, to dump site, inert material landfill	Raw	mm2	301.19
1171	Transformation, to dump site, residual material landfill	Raw	cm2	14.12
1172	Transformation, to dump site, sanitary landfill	Raw	mm2	17.32
1173	Transformation, to dump site, slag compartment	Raw	mm2	9.08
1174	Transformation, to forest, extensive	Raw	mm2	102.69
1175	Transformation, to forest, intensive	Raw	cm2	388.15
1176	Transformation, to forest, secondary (non-use)	Raw	mm2	0.02
1177	Transformation, to forest, unspecified	Raw	cm2	18.56
1178	Transformation, to grassland, natural (non-use)	Raw	mm2	911.50
1179	Transformation, to heterogeneous, agricultural	Raw	mm2	115.62
1180	Transformation, to industrial area	Raw	cm2	165.97
1181	Transformation, to inland waterbody, unspecified	Raw	mm2	0.11
1182	Transformation, to mineral extraction site	Raw	cm2	127.61
1183	Transformation, to pasture, man made	Raw	mm2	17.99
1184	Transformation, to pasture, man made, extensive	Raw	mm2	0.55
1185	Transformation, to pasture, man made, intensive	Raw	cm2	21.35
1186	Transformation, to permanent crop	Raw	mm2	193.74
1187	Transformation, to permanent crop, irrigated	Raw	mm2	467.08
1188	Transformation, to permanent crop, irrigated, intensive	Raw	mm2	226.67
1189	Transformation, to permanent crop, non-irrigated	Raw	mm2	0.02
1190	Transformation, to permanent crop, non-irrigated, intensive	Raw	mm2	33.54
1191	Transformation, to seabed, drilling and mining	Raw	mm2	723.31
1192	Transformation, to seabed, infrastructure	Raw	mm2	1.31
1193	Transformation, to seabed, unspecified	Raw	mm2	0.04
1194	Transformation, to shrub land, sclerophyllous	Raw	cm2	17.40
1195	Transformation, to traffic area, rail network	Raw	mm2	315.45
1196	Transformation, to traffic area, rail/road	Raw	cm2	10.88

	embankment			
1197	Transformation, to traffic area, road network	Raw	cm2	15.04
1198	Transformation, to unknown	Raw	mm2	115.33
1199	Transformation, to urban, discontinuously built	Raw	mm2	3.20
1200	Transformation, to urban/industrial fallow	Raw	mm2	0.49
1201	Transformation, to water bodies, artificial	Raw	cm2	200.67
1202	Transformation, to wetland, inland (non-use)	Raw	mm2	0.05
1203	Triadimenol	Soil	ng	61.30
1204	Triallate	Soil	ng	19.66
1205	Triasulfuron	Soil	ng	5.83
1206	Tribenuron	Soil	ng	5.86
1207	Tribenuron-methyl	Soil	ng	203.47
1208	Tribufos	Soil	µg	2.95
1209	Tributyltin compounds	Water	mg	2.97
1210	Trichlorfon	Soil	pg	871.54
1211	Triclopyr	Soil	µg	3.72
1212	Triethylene glycol	Water	µg	320.11
1213	Trifloxystrobin	Soil	ng	660.69
1214	Trifloxystrobin	Water	pg	0.00
1215	Trifloxystrobin	Air	ng	4.42
1216	Trifluralin	Soil	µg	34.38
1217	Trifluralin	Air	µg	6.97
1218	Triforine	Soil	µg	1.01
1219	Trimethylamine	Water	ng	228.51
1220	Trimethylamine	Air	ng	95.21
1221	Trinexapac-ethyl	Soil	µg	7.39
1222	Triocetyl tin	Water	pg	0.26
1223	Triphenyltin	Water	pg	0.11
1224	Trisodium phosphate	Air	ng	781.48
1225	Tungsten	Water	mg	94.16
1226	Tungsten	Air	ng	117.57
1227	Ulexite	Raw	mg	45.84
1228	Uranium	Air	µg	38.44
1229	Uranium	Raw	mg	266.66
1230	Uranium alpha	Water	Bq	43.93
1231	Uranium alpha	Air	Bq	2.67
1232	Uranium-234	Water	Bq	1.30
1233	Uranium-234	Air	Bq	6.98
1234	Uranium-235	Water	Bq	1.45
1235	Uranium-235	Air	mBq	23.25
1236	Uranium-238	Water	Bq	3.01
1237	Uranium-238	Air	Bq	51.82
1238	Urea	Water	µg	1.12
1239	Vanadium	Soil	mg	1.01
1240	Vanadium	Water	mg	13.80
1241	Vanadium	Air	mg	62.33
1242	Vermiculite	Raw	mg	531.07
1243	Vinclozolin	Soil	ng	38.12
1244	VOC, volatile organic compounds, unspecified origin	Water	mg	62.54
1245	VOC, volatile organic compounds, unspecified origin	Air	µg	2.28
1246	Volume occupied, final repository for low-active	Raw	cm3	1.08

	radioactive waste			
1247	Volume occupied, final repository for radioactive waste	Raw	mm3	79.77
1248	Volume occupied, reservoir	Raw	m3y	2.97
1249	Volume occupied, underground deposit	Raw	mm3	281.44
1250	Water, AR	Water	cm3	11.57
1251	Water, AT	Water	l	725.57
1252	Water, AU	Water	m3	1.75
1253	Water, BA	Water	l	160.67
1254	Water, BE	Water	l	9.68
1255	Water, BG	Water	l	92.97
1256	Water, BR	Water	l	872.39
1257	Water, CA	Water	m3	1.23
1258	Water, CH	Water	m3	2.13
1259	Water, CI	Water	cm3	26.10
1260	Water, CL	Water	l	284.22
1261	Water, CN	Water	m3	11.55
1262	Water, CO	Water	mm3	848.95
1263	Water, cooling, unspecified natural origin, AT	Raw	cm3	263.31
1264	Water, cooling, unspecified natural origin, AU	Raw	l	22.75
1265	Water, cooling, unspecified natural origin, BA	Raw	cm3	246.36
1266	Water, cooling, unspecified natural origin, BE	Raw	l	1.32
1267	Water, cooling, unspecified natural origin, BG	Raw	l	1.57
1268	Water, cooling, unspecified natural origin, BR	Raw	l	2.12
1269	Water, cooling, unspecified natural origin, CA	Raw	l	7.28
1270	Water, cooling, unspecified natural origin, CH	Raw	l	6.46
1271	Water, cooling, unspecified natural origin, CL	Raw	cm3	565.34
1272	Water, cooling, unspecified natural origin, CN	Raw	l	68.89
1273	Water, cooling, unspecified natural origin, CY	Raw	cm3	70.71
1274	Water, cooling, unspecified natural origin, CZ	Raw	l	11.64
1275	Water, cooling, unspecified natural origin, DE	Raw	l	12.83
1276	Water, cooling, unspecified natural origin, DK	Raw	cm3	328.24
1277	Water, cooling, unspecified natural origin, EE	Raw	cm3	443.49
1278	Water, cooling, unspecified natural origin, ES	Raw	l	3.41
1279	Water, cooling, unspecified natural origin, Europe without Switzerland	Raw	l	1.70
1280	Water, cooling, unspecified natural origin, FI	Raw	cm3	978.33
1281	Water, cooling, unspecified natural origin, FR	Raw	l	19.59
1282	Water, cooling, unspecified natural origin, GB	Raw	l	4.88
1283	Water, cooling, unspecified natural origin, GLO	Raw	l	3.18
1284	Water, cooling, unspecified natural origin, GR	Raw	l	2.89
1285	Water, cooling, unspecified natural origin, HR	Raw	cm3	103.47
1286	Water, cooling, unspecified natural origin, HU	Raw	cm3	779.95
1287	Water, cooling, unspecified natural origin, IAI Area, Africa	Raw	mm3	861.74
1288	Water, cooling, unspecified natural origin, IAI Area, Asia, without China and GCC	Raw	mm3	0.66
1289	Water, cooling, unspecified natural origin, IAI Area, EU27 & EFTA	Raw	cm3	4.09
1290	Water, cooling, unspecified natural origin, IAI Area, Gulf Cooperation Council	Raw	mm3	1.12
1291	Water, cooling, unspecified natural origin, IAI Area, Russia & RER w/o EU27 & EFTA	Raw	cm3	4.58
1292	Water, cooling, unspecified natural origin, IAI Area,	Raw	mm3	640.52

	South America			
1293	Water, cooling, unspecified natural origin, ID	Raw	l	25.78
1294	Water, cooling, unspecified natural origin, IE	Raw	cm3	318.60
1295	Water, cooling, unspecified natural origin, IN	Raw	m3	16.34
1296	Water, cooling, unspecified natural origin, IR	Raw	l	5.09
1297	Water, cooling, unspecified natural origin, IS	Raw	mm3	169.17
1298	Water, cooling, unspecified natural origin, IT	Raw	l	3.08
1299	Water, cooling, unspecified natural origin, JP	Raw	l	9.71
1300	Water, cooling, unspecified natural origin, KR	Raw	l	7.94
1301	Water, cooling, unspecified natural origin, LT	Raw	cm3	77.30
1302	Water, cooling, unspecified natural origin, LU	Raw	cm3	37.93
1303	Water, cooling, unspecified natural origin, LV	Raw	cm3	98.45
1304	Water, cooling, unspecified natural origin, MA	Raw	cm3	9.96
1305	Water, cooling, unspecified natural origin, MK	Raw	cm3	122.19
1306	Water, cooling, unspecified natural origin, MT	Raw	cm3	64.26
1307	Water, cooling, unspecified natural origin, MX	Raw	l	2.80
1308	Water, cooling, unspecified natural origin, MY	Raw	l	1.85
1309	Water, cooling, unspecified natural origin, NL	Raw	l	1.71
1310	Water, cooling, unspecified natural origin, NO	Raw	cm3	71.57
1311	Water, cooling, unspecified natural origin, NP	Raw	mm3	17.06
1312	Water, cooling, unspecified natural origin, OCE	Raw	mm3	63.18
1313	Water, cooling, unspecified natural origin, PE	Raw	cm3	373.41
1314	Water, cooling, unspecified natural origin, PH	Raw	mm3	213.79
1315	Water, cooling, unspecified natural origin, PL	Raw	l	12.99
1316	Water, cooling, unspecified natural origin, PT	Raw	cm3	338.03
1317	Water, cooling, unspecified natural origin, RER	Raw	l	23.22
1318	Water, cooling, unspecified natural origin, RNA	Raw	cm3	5.32
1319	Water, cooling, unspecified natural origin, RO	Raw	l	2.54
1320	Water, cooling, unspecified natural origin, RoW	Raw	l	92.52
1321	Water, cooling, unspecified natural origin, RS	Raw	l	2.79
1322	Water, cooling, unspecified natural origin, RU	Raw	l	52.99
1323	Water, cooling, unspecified natural origin, SA	Raw	l	4.62
1324	Water, cooling, unspecified natural origin, SE	Raw	l	2.11
1325	Water, cooling, unspecified natural origin, SI	Raw	l	1.68
1326	Water, cooling, unspecified natural origin, SK	Raw	l	2.02
1327	Water, cooling, unspecified natural origin, TH	Raw	l	1.71
1328	Water, cooling, unspecified natural origin, TR	Raw	l	2.98
1329	Water, cooling, unspecified natural origin, TW	Raw	l	2.84
1330	Water, cooling, unspecified natural origin, TZ	Raw	cm3	68.95
1331	Water, cooling, unspecified natural origin, UA	Raw	l	4.53
1332	Water, cooling, unspecified natural origin, US	Raw	l	50.14
1333	Water, cooling, unspecified natural origin, WEU	Raw	mm3	45.56
1334	Water, cooling, unspecified natural origin, ZA	Raw	cm3	818.08
1335	Water, CR	Water	mm3	301.52
1336	Water, CY	Water	cm3	70.28
1337	Water, CZ	Water	l	40.80
1338	Water, DE	Water	l	387.09
1339	Water, DK	Water	cm3	414.27
1340	Water, EC	Water	cm3	3.42
1341	Water, EE	Water	l	1.06
1342	Water, ES	Water	l	493.96
1343	Water, Europe without Switzerland	Water	l	1.11

1344	Water, Europe, without Russia and Turkey	Water	cm3	66.26
1345	Water, FI	Water	l	163.97
1346	Water, FR	Water	m3	1.95
1347	Water, GB	Water	l	87.06
1348	Water, GH	Water	cm3	25.61
1349	Water, GLO	Water	l	8.27
1350	Water, GR	Water	l	87.45
1351	Water, HN	Water	mm3	32.12
1352	Water, HR	Water	l	7.75
1353	Water, HU	Water	l	6.22
1354	Water, IAI Area, Africa	Water	cm3	73.60
1355	Water, IAI Area, Asia, without China and GCC	Water	cm3	94.30
1356	Water, IAI Area, EU27 & EFTA	Water	cm3	262.73
1357	Water, IAI Area, Gulf Cooperation Council	Water	cm3	392.54
1358	Water, IAI Area, Russia & RER w/o EU27 & EFTA	Water	cm3	186.87
1359	Water, IAI Area, South America	Water	cm3	32.32
1360	Water, ID	Water	l	313.75
1361	Water, IE	Water	l	12.32
1362	Water, IL	Water	mm3	112.36
1363	Water, IN	Water	m3	2345.96
1364	Water, IR	Water	l	194.51
1365	Water, IS	Water	l	181.00
1366	Water, IT	Water	l	348.01
1367	Water, JP	Water	l	721.40
1368	Water, KR	Water	l	37.34
1369	Water, lake, CA	Raw	cm3	110.60
1370	Water, lake, CH	Raw	cm3	55.61
1371	Water, lake, CN	Raw	mm3	0.70
1372	Water, lake, DE	Raw	mm3	395.89
1373	Water, lake, Europe without Switzerland	Raw	cm3	84.55
1374	Water, lake, GLO	Raw	mm3	327.62
1375	Water, lake, RER	Raw	mm3	266.63
1376	Water, lake, RNA	Raw	mm3	0.20
1377	Water, lake, RoW	Raw	l	1.53
1378	Water, lake, SE	Raw	mm3	0.46
1379	Water, lake, US	Raw	mm3	0.19
1380	Water, LT	Water	l	7.57
1381	Water, LU	Water	l	5.69
1382	Water, LV	Water	l	42.19
1383	Water, MA	Water	cm3	6.58
1384	Water, MK	Water	l	4.96
1385	Water, MT	Water	cm3	64.04
1386	Water, MX	Water	l	476.23
1387	Water, MY	Water	l	32.23
1388	Water, NL	Water	l	3.69
1389	Water, NO	Water	l	69.07
1390	Water, NORDEL	Water	mm3	169.99
1391	Water, NP	Water	l	44.57
1392	Water, NZ	Water	mm3	2.35
1393	Water, OCE	Water	cm3	13.06
1394	Water, PE	Water	l	5.00
1395	Water, PG	Water	cm3	1.28

1396	Water, PH	Water	cm3	12.13
1397	Water, PL	Water	l	50.83
1398	Water, PT	Water	l	203.47
1399	Water, RAF	Water	cm3	350.08
1400	Water, RAS	Water	cm3	362.70
1401	Water, RER	Water	l	22.79
1402	Water, river, AT	Raw	mm3	34.71
1403	Water, river, AU	Raw	cm3	35.22
1404	Water, river, BE	Raw	mm3	149.94
1405	Water, river, BG	Raw	mm3	47.18
1406	Water, river, BR	Raw	cm3	206.52
1407	Water, river, CA	Raw	l	1.34
1408	Water, river, CH	Raw	cm3	720.36
1409	Water, river, CN	Raw	cm3	774.68
1410	Water, river, CZ	Raw	mm3	0.58
1411	Water, river, DE	Raw	cm3	54.12
1412	Water, river, DK	Raw	mm3	87.22
1413	Water, river, ES	Raw	cm3	54.81
1414	Water, river, Europe without Switzerland	Raw	l	1.59
1415	Water, river, FI	Raw	mm3	30.95
1416	Water, river, FR	Raw	cm3	9.10
1417	Water, river, GB	Raw	mm3	454.39
1418	Water, river, GLO	Raw	cm3	528.47
1419	Water, river, HU	Raw	mm3	27.78
1420	Water, river, IN	Raw	cm3	357.90
1421	Water, river, IT	Raw	mm3	993.73
1422	Water, river, JP	Raw	mm3	0.01
1423	Water, river, KR	Raw	cm3	97.63
1424	Water, river, LU	Raw	mm3	0.40
1425	Water, river, MY	Raw	cm3	25.06
1426	Water, river, NL	Raw	mm3	155.40
1427	Water, river, NO	Raw	mm3	13.24
1428	Water, river, PE	Raw	mm3	12.86
1429	Water, river, PH	Raw	cm3	115.41
1430	Water, river, PL	Raw	mm3	7.46
1431	Water, river, PT	Raw	mm3	26.98
1432	Water, river, RAS	Raw	cm3	738.54
1433	Water, river, RER	Raw	l	218.55
1434	Water, river, RLA	Raw	cm3	192.94
1435	Water, river, RNA	Raw	cm3	343.79
1436	Water, river, RO	Raw	cm3	96.75
1437	Water, river, RoW	Raw	l	562.22
1438	Water, river, RU	Raw	cm3	48.75
1439	Water, river, SE	Raw	mm3	890.14
1440	Water, river, SK	Raw	mm3	0.12
1441	Water, river, TN	Raw	cm3	1.81
1442	Water, river, TZ	Raw	mm3	197.00
1443	Water, river, US	Raw	cm3	384.32
1444	Water, river, WEU	Raw	mm3	0.00
1445	Water, river, ZA	Raw	l	1.09
1446	Water, RLA	Water	cm3	405.07
1447	Water, RME	Water	l	3.44

1448	Water, RNA	Water	l	1.63
1449	Water, RO	Water	l	395.89
1450	Water, RoW	Water	m3	16.07
1451	Water, RS	Water	l	173.62
1452	Water, RU	Water	m3	3.84
1453	Water, SA	Water	l	4.64
1454	Water, salt, ocean	Raw	l	5.02
1455	Water, salt, sole	Raw	l	2.10
1456	Water, SE	Water	m3	1.08
1457	Water, SI	Water	l	164.89
1458	Water, SK	Water	l	94.82
1459	Water, TH	Water	l	13.87
1460	Water, TR	Water	l	305.56
1461	Water, turbine use, unspecified natural origin, AT	Raw	l	725.50
1462	Water, turbine use, unspecified natural origin, AU	Raw	m3	1.71
1463	Water, turbine use, unspecified natural origin, BA	Raw	l	160.48
1464	Water, turbine use, unspecified natural origin, BE	Raw	l	8.39
1465	Water, turbine use, unspecified natural origin, BG	Raw	l	91.54
1466	Water, turbine use, unspecified natural origin, BR	Raw	l	873.40
1467	Water, turbine use, unspecified natural origin, CA	Raw	m3	1.23
1468	Water, turbine use, unspecified natural origin, CH	Raw	m3	2.13
1469	Water, turbine use, unspecified natural origin, CL	Raw	l	283.65
1470	Water, turbine use, unspecified natural origin, CN	Raw	m3	11.48
1471	Water, turbine use, unspecified natural origin, CZ	Raw	l	29.56
1472	Water, turbine use, unspecified natural origin, DE	Raw	l	374.86
1473	Water, turbine use, unspecified natural origin, DK	Raw	cm3	297.71
1474	Water, turbine use, unspecified natural origin, EE	Raw	cm3	635.37
1475	Water, turbine use, unspecified natural origin, ES	Raw	l	490.69
1476	Water, turbine use, unspecified natural origin, FI	Raw	l	163.13
1477	Water, turbine use, unspecified natural origin, FR	Raw	m3	1.93
1478	Water, turbine use, unspecified natural origin, GB	Raw	l	82.15
1479	Water, turbine use, unspecified natural origin, GLO	Raw	cm3	3.67
1480	Water, turbine use, unspecified natural origin, GR	Raw	l	84.62
1481	Water, turbine use, unspecified natural origin, HR	Raw	l	7.78
1482	Water, turbine use, unspecified natural origin, HU	Raw	l	5.45
1483	Water, turbine use, unspecified natural origin, ID	Raw	l	239.83
1484	Water, turbine use, unspecified natural origin, IE	Raw	l	12.00
1485	Water, turbine use, unspecified natural origin, IN	Raw	m3	2329.53
1486	Water, turbine use, unspecified natural origin, IR	Raw	l	189.37
1487	Water, turbine use, unspecified natural origin, IS	Raw	l	181.66
1488	Water, turbine use, unspecified natural origin, IT	Raw	l	345.63
1489	Water, turbine use, unspecified natural origin, JP	Raw	l	712.00
1490	Water, turbine use, unspecified natural origin, KR	Raw	l	29.65
1491	Water, turbine use, unspecified natural origin, LT	Raw	l	7.50
1492	Water, turbine use, unspecified natural origin, LU	Raw	l	5.65
1493	Water, turbine use, unspecified natural origin, LV	Raw	l	42.09
1494	Water, turbine use, unspecified natural origin, MK	Raw	l	4.85
1495	Water, turbine use, unspecified natural origin, MX	Raw	l	473.39
1496	Water, turbine use, unspecified natural origin, MY	Raw	l	30.45
1497	Water, turbine use, unspecified natural origin, NL	Raw	l	2.17
1498	Water, turbine use, unspecified natural origin, NO	Raw	l	71.35
1499	Water, turbine use, unspecified natural origin, NP	Raw	l	44.57

1500	Water, turbine use, unspecified natural origin, PE	Raw	l	4.79
1501	Water, turbine use, unspecified natural origin, PL	Raw	l	39.60
1502	Water, turbine use, unspecified natural origin, PT	Raw	l	203.20
1503	Water, turbine use, unspecified natural origin, RER	Raw	cm3	163.87
1504	Water, turbine use, unspecified natural origin, RNA	Raw	mm3	139.64
1505	Water, turbine use, unspecified natural origin, RO	Raw	l	393.49
1506	Water, turbine use, unspecified natural origin, RoW	Raw	m3	15.97
1507	Water, turbine use, unspecified natural origin, RS	Raw	l	170.92
1508	Water, turbine use, unspecified natural origin, RU	Raw	m3	3.79
1509	Water, turbine use, unspecified natural origin, SE	Raw	m3	1.08
1510	Water, turbine use, unspecified natural origin, SI	Raw	l	163.24
1511	Water, turbine use, unspecified natural origin, SK	Raw	l	92.90
1512	Water, turbine use, unspecified natural origin, TH	Raw	l	12.17
1513	Water, turbine use, unspecified natural origin, TR	Raw	l	302.74
1514	Water, turbine use, unspecified natural origin, TW	Raw	l	53.73
1515	Water, turbine use, unspecified natural origin, TZ	Raw	l	6.08
1516	Water, turbine use, unspecified natural origin, UA	Raw	l	143.66
1517	Water, turbine use, unspecified natural origin, US	Raw	m3	3.00
1518	Water, turbine use, unspecified natural origin, ZA	Raw	l	7.99
1519	Water, TW	Water	l	56.53
1520	Water, TZ	Water	l	6.13
1521	Water, UA	Water	l	148.19
1522	Water, UCTE	Water	mm3	23.87
1523	Water, UCTE without Germany	Water	mm3	2.06
1524	Water, unspecified natural origin, AT	Raw	mm3	22.16
1525	Water, unspecified natural origin, AU	Raw	mm3	0.29
1526	Water, unspecified natural origin, BE	Raw	mm3	192.85
1527	Water, unspecified natural origin, BG	Raw	mm3	11.93
1528	Water, unspecified natural origin, BR	Raw	mm3	328.11
1529	Water, unspecified natural origin, CA	Raw	cm3	53.09
1530	Water, unspecified natural origin, CH	Raw	l	2.45
1531	Water, unspecified natural origin, CL	Raw	mm3	1.41
1532	Water, unspecified natural origin, CN	Raw	cm3	165.55
1533	Water, unspecified natural origin, CO	Raw	mm3	49.41
1534	Water, unspecified natural origin, CZ	Raw	mm3	52.60
1535	Water, unspecified natural origin, DE	Raw	mm3	726.70
1536	Water, unspecified natural origin, DK	Raw	mm3	22.07
1537	Water, unspecified natural origin, EE	Raw	mm3	2.69
1538	Water, unspecified natural origin, ES	Raw	mm3	93.21
1539	Water, unspecified natural origin, Europe without Switzerland	Raw	cm3	218.55
1540	Water, unspecified natural origin, FI	Raw	mm3	35.65
1541	Water, unspecified natural origin, FR	Raw	mm3	323.48
1542	Water, unspecified natural origin, GB	Raw	mm3	119.55
1543	Water, unspecified natural origin, GLO	Raw	l	2.70
1544	Water, unspecified natural origin, HN	Raw	mm3	32.12
1545	Water, unspecified natural origin, HU	Raw	mm3	11.14
1546	Water, unspecified natural origin, IAI Area, Africa	Raw	cm3	9.46
1547	Water, unspecified natural origin, IAI Area, Asia, without China and GCC	Raw	cm3	16.72
1548	Water, unspecified natural origin, IAI Area, EU27 & EFTA	Raw	cm3	44.28
1549	Water, unspecified natural origin, IAI Area, Gulf	Raw	mm3	845.99

	Cooperation Council			
1550	Water, unspecified natural origin, IAI Area, Russia & RER w/o EU27 & EFTA	Raw	cm3	68.22
1551	Water, unspecified natural origin, IAI Area, South America	Raw	cm3	18.77
1552	Water, unspecified natural origin, ID	Raw	mm3	78.29
1553	Water, unspecified natural origin, IN	Raw	l	12.60
1554	Water, unspecified natural origin, IT	Raw	mm3	393.11
1555	Water, unspecified natural origin, JP	Raw	mm3	752.88
1556	Water, unspecified natural origin, KR	Raw	mm3	251.58
1557	Water, unspecified natural origin, LU	Raw	mm3	0.15
1558	Water, unspecified natural origin, MX	Raw	mm3	0.33
1559	Water, unspecified natural origin, NL	Raw	mm3	231.91
1560	Water, unspecified natural origin, NO	Raw	mm3	11.86
1561	Water, unspecified natural origin, OCE	Raw	cm3	18.78
1562	Water, unspecified natural origin, PG	Raw	mm3	156.13
1563	Water, unspecified natural origin, PH	Raw	mm3	53.45
1564	Water, unspecified natural origin, PL	Raw	mm3	38.33
1565	Water, unspecified natural origin, PT	Raw	mm3	6.82
1566	Water, unspecified natural origin, RAF	Raw	cm3	411.86
1567	Water, unspecified natural origin, RER	Raw	l	2.36
1568	Water, unspecified natural origin, RER w/o CH+DE	Raw	mm3	0.01
1569	Water, unspecified natural origin, RLA	Raw	cm3	23.77
1570	Water, unspecified natural origin, RME	Raw	l	4.05
1571	Water, unspecified natural origin, RNA	Raw	cm3	182.61
1572	Water, unspecified natural origin, RoW	Raw	l	31.56
1573	Water, unspecified natural origin, RU	Raw	cm3	576.31
1574	Water, unspecified natural origin, SE	Raw	mm3	78.11
1575	Water, unspecified natural origin, SK	Raw	mm3	1.14
1576	Water, unspecified natural origin, TH	Raw	mm3	0.24
1577	Water, unspecified natural origin, TR	Raw	mm3	43.39
1578	Water, unspecified natural origin, TW	Raw	mm3	2.12
1579	Water, unspecified natural origin, UA	Raw	mm3	14.58
1580	Water, unspecified natural origin, US	Raw	cm3	157.88
1581	Water, unspecified natural origin, VN	Raw	mm3	145.89
1582	Water, unspecified natural origin, WEU	Raw	mm3	4.97
1583	Water, unspecified natural origin, ZA	Raw	cm3	447.75
1584	Water, US	Water	m3	3.05
1585	Water, VN	Water	cm3	2.44
1586	Water, well, AT	Raw	mm3	0.08
1587	Water, well, AU	Raw	l	12.78
1588	Water, well, BE	Raw	mm3	0.34
1589	Water, well, BG	Raw	mm3	0.04
1590	Water, well, BR	Raw	cm3	47.71
1591	Water, well, CA	Raw	cm3	106.75
1592	Water, well, CH	Raw	cm3	183.74
1593	Water, well, CN	Raw	l	3.03
1594	Water, well, CZ	Raw	mm3	0.00
1595	Water, well, DE	Raw	cm3	25.16
1596	Water, well, DK	Raw	mm3	0.07
1597	Water, well, ES	Raw	cm3	32.30
1598	Water, well, Europe without Switzerland	Raw	cm3	304.67
1599	Water, well, Europe, without Russia and Turkey	Raw	cm3	59.62

1600	Water, well, FI	Raw	mm3	0.02
1601	Water, well, FR	Raw	cm3	6.95
1602	Water, well, GB	Raw	mm3	0.35
1603	Water, well, GLO	Raw	cm3	292.82
1604	Water, well, HU	Raw	mm3	0.02
1605	Water, well, ID	Raw	l	49.06
1606	Water, well, IN	Raw	l	452.74
1607	Water, well, IS	Raw	mm3	0.33
1608	Water, well, IT	Raw	mm3	1.11
1609	Water, well, JP	Raw	mm3	0.16
1610	Water, well, LU	Raw	mm3	0.00
1611	Water, well, MA	Raw	mm3	725.09
1612	Water, well, MX	Raw	mm3	0.36
1613	Water, well, MY	Raw	cm3	2.18
1614	Water, well, NL	Raw	mm3	0.28
1615	Water, well, NO	Raw	mm3	0.01
1616	Water, well, NORDEL	Raw	mm3	199.99
1617	Water, well, PE	Raw	mm3	20.86
1618	Water, well, PG	Raw	cm3	1.35
1619	Water, well, PH	Raw	cm3	18.04
1620	Water, well, PL	Raw	mm3	0.01
1621	Water, well, PT	Raw	mm3	0.03
1622	Water, well, RER	Raw	cm3	790.75
1623	Water, well, RLA	Raw	cm3	311.40
1624	Water, well, RNA	Raw	cm3	912.22
1625	Water, well, RoW	Raw	l	8.95
1626	Water, well, RU	Raw	cm3	893.42
1627	Water, well, SE	Raw	mm3	125.42
1628	Water, well, SK	Raw	mm3	0.00
1629	Water, well, TH	Raw	mm3	0.00
1630	Water, well, TN	Raw	cm3	2.78
1631	Water, well, TR	Raw	mm3	2.10
1632	Water, well, US	Raw	cm3	594.68
1633	Water, well, WEU	Raw	mm3	0.12
1634	Water, well, ZA	Raw	l	1.23
1635	Water, WEU	Water	mm3	31.96
1636	Water, ZA	Water	l	9.75
1637	Water/m3	Water	cm3	35.63
1638	Water/m3	Air	m3	1.22
1639	Wood, hard, standing	Raw	l	2.74
1640	Wood, soft, standing	Raw	cm3	196.87
1641	Wood, unspecified, standing/m3	Raw	mm3	10.19
1642	Xenon	Raw	µg	40.36
1643	Xenon-131m	Air	Bq	43.56
1644	Xenon-133	Air	kBq	6.28
1645	Xenon-133m	Air	Bq	1.52
1646	Xenon-135	Air	kBq	1.92
1647	Xenon-135m	Air	Bq	402.59
1648	Xenon-137	Air	Bq	12.75
1649	Xenon-138	Air	Bq	95.03
1650	Xylene	Water	mg	20.56
1651	Xylene	Air	g	1.94

1652	Zeta-cypermethrin	Soil	ng	1.25
1653	Zeta-cypermethrin	Air	ng	29.08
1654	Zinc	Soil	mg	30.24
1655	Zinc	Water	mg	121.12
1656	Zinc	Air	mg	175.63
1657	Zinc	Raw	g	3.31
1658	Zinc, Zn 0.63%, Au 9.7E-4%, Ag 9.7E-4%, Cu 0.38%, Pb 0.014%, in ore	Raw	mg	510.26
1659	Zinc, Zn 3.1%, in mixed ore	Raw	mg	24.33
1660	Zinc-65	Water	mBq	357.04
1661	Zinc-65	Air	µBq	102.73
1662	Zirconium	Air	ng	325.66
1663	Zirconium	Raw	mg	124.53
1664	Zirconium-95	Water	mBq	660.81
1665	Zirconium-95	Air	µBq	548.08

Table S6. Inventory of emissions for lipid to lube base oil process: CML-IA baseline V3.05 / EU25 (compartment: all compartments, per sub-compartment: no, default units: no, exclude infrastructure processes: no, sort order: descending).

No	Substance	Compartment	Unit	Total
1	1-Butanol	Air	µg	2.77
2	1-Butanol	Water	µg	108.13
3	1-Pentanol	Air	ng	558.86
4	1-Pentanol	Water	µg	1.34
5	1-Pentene	Air	ng	658.29
6	1-Pentene	Water	µg	1.01
7	1-Propanol	Air	mg	38.90
8	1-Propanol	Water	µg	1.72
9	1,3-Dioxolan-2-one	Water	µg	346.77
10	1,4-Butanediol	Air	µg	1.88
11	1,4-Butanediol	Water	µg	3.90
12	2-Aminopropanol	Air	ng	412.57
13	2-Aminopropanol	Water	ng	995.11
14	2-Butene, 2-methyl-	Air	ng	2.97
15	2-Butene, 2-methyl-	Water	ng	7.12
16	2-Chlorobenzaldehyde	Water	ng	217.26
17	2-Methyl-1-propanol	Air	µg	1.05
18	2-Methyl-1-propanol	Water	µg	2.51
19	2-Methyl-4-chlorophenoxyacetic acid	Air	ng	34.17
20	2-Methyl-4-chlorophenoxyacetic acid	Water	ng	80.36
21	2-Methyl-4-chlorophenoxyacetic acid	Soil	µg	125.71
22	2-Nitrobenzoic acid	Air	ng	446.33
23	2-Propanol	Air	mg	12.73
24	2-Propanol	Water	µg	189.49
25	2,4-D	Air	µg	10.47
26	2,4-D	Soil	µg	863.81
27	2,4-D ester	Air	ng	190.47
28	2,4-D ester	Water	ng	22.41
29	2,4-D ester	Soil	ng	875.10
30	2,4-D, dimethylamine salt	Air	ng	16.32
31	2,4-D, dimethylamine salt	Water	ng	101.83
32	2,4-D, dimethylamine salt	Soil	µg	3.25
33	2,4-di-tert-butylphenol	Water	ng	980.16
34	4-Methyl-2-pentanol	Water	pg	6.95
35	4-Methyl-2-pentanone	Air	ng	49.82
36	4-Methyl-2-pentanone	Water	µg	37.09
37	Abamectin	Soil	ng	733.24
38	Acenaphthene	Air	µg	77.55
39	Acenaphthene	Water	µg	40.22
40	Acenaphthylene	Air	ng	159.63
41	Acenaphthylene	Water	ng	251.72
42	Acephate	Air	µg	1.11
43	Acephate	Soil	µg	94.60
44	Acetaldehyde	Air	mg	56.66
45	Acetaldehyde	Water	µg	541.55
46	Acetamide	Air	ng	273.85
47	Acetamide	Soil	µg	19.55

48	Acetamiprid	Soil	µg	24.71
49	Acetic acid	Air	mg	66.87
50	Acetic acid	Water	mg	1.42
51	Acetochlor	Soil	µg	518.42
52	Acetone	Air	mg	24.51
53	Acetone	Water	mg	4.82
54	Acetonitrile	Air	µg	415.96
55	Acetonitrile	Water	ng	226.07
56	Acetyl chloride	Water	µg	1.05
57	Acidity, unspecified	Water	mg	3.59
58	Acifluorfen	Air	ng	152.71
59	Acifluorfen	Soil	ng	6.55
60	Aclonifen	Soil	ng	391.78
61	Acrinathrin	Soil	ng	35.24
62	Acrolein	Air	mg	30.00
63	Acrylate	Water	µg	34.86
64	Acrylic acid	Air	µg	14.73
65	Acrylonitrile	Air	µg	5.31
66	Acrylonitrile	Water	ng	127.50
67	Actinides, radioactive, unspecified	Air	Bq	122.00
68	Actinides, radioactive, unspecified	Water	mBq	344.53
69	Aerosols, radioactive, unspecified	Air	mBq	8.04
70	Alachlor	Air	µg	1.08
71	Alachlor	Soil	µg	77.24
72	Aldehydes, unspecified	Air	mg	56.94
73	Aldicarb	Soil	µg	264.99
74	Aldrin	Soil	µg	174.83
75	Allyl chloride	Water	mg	1.66
76	Alpha-cypermethrin	Soil	ng	408.96
77	Aluminium	Raw	g	66.24
78	Aluminium	Air	g	110.94
79	Aluminium	Water	kg	1.90
80	Aluminium	Soil	mg	721.99
81	Aluminium hydroxide	Water	µg	1.81
82	Ametryn	Soil	µg	8.40
83	Amidosulfuron	Soil	ng	22.79
84	Amine oxide	Air	ng	928.73
85	Ammonia	Air	g	46.42
86	Ammonium carbonate	Air	µg	100.02
87	Ammonium, ion	Water	mg	799.26
88	Anhydrite	Raw	µg	525.31
89	Aniline	Air	µg	2.70
90	Aniline	Water	µg	71.27
91	Anthracene	Air	pg	4.39
92	Anthracene	Water	µg	8.06
93	Anthranilic acid	Air	ng	343.95
94	Anthraquinone	Soil	µg	7.67
95	Antimony	Air	mg	143.32
96	Antimony	Water	mg	499.18
97	Antimony	Soil	µg	105.14
98	Antimony-122	Water	mBq	18.97
99	Antimony-124	Air	µBq	16.64

100	Antimony-124	Water	Bq	4.03
101	Antimony-125	Air	µBq	491.09
102	Antimony-125	Water	mBq	884.05
103	AOX, Adsorbable Organic Halogen as Cl	Water	mg	9.09
104	Argon-40	Raw	g	4.44
105	Argon-40	Air	g	1.06
106	Argon-41	Air	Bq	5.96
107	Arsenic	Air	mg	91.02
108	Arsenic	Water	g	4.34
109	Arsenic	Soil	µg	216.04
110	Arsine	Air	pg	171.72
111	Asulam	Soil	ng	870.65
112	Atrazine	Air	µg	1.08
113	Atrazine	Water	µg	1.25
114	Atrazine	Soil	mg	1.06
115	Azinphos-methyl	Soil	ng	234.99
116	Azoxystrobin	Air	ng	505.36
117	Azoxystrobin	Soil	µg	260.42
118	Barite	Raw	g	39.31
119	Barite	Water	g	1.21
120	Barium	Air	mg	523.49
121	Barium	Water	g	13.74
122	Barium	Soil	mg	123.10
123	Barium-140	Air	mBq	5.75
124	Barium-140	Water	mBq	14.95
125	Barium sulfide	Water	ng	944.50
126	Basalt	Raw	g	6.42
127	Benfluralin	Soil	µg	56.93
128	Benomyl	Soil	ng	166.24
129	Bensulfuron methyl ester	Soil	ng	7.42
130	Bentazone	Air	ng	497.78
131	Bentazone	Water	ng	215.53
132	Bentazone	Soil	µg	6.80
133	Benzal chloride	Air	ng	118.27
134	Benzal chloride	Water	ng	281.50
135	Benzaldehyde	Air	mg	11.10
136	Benzaldehyde	Water	ng	92.28
137	Benzene	Air	g	1.81
138	Benzene	Water	mg	62.67
139	Benzene, 1-methyl-2-nitro-	Air	ng	385.42
140	Benzene, 1,2-dichloro-	Air	µg	2.43
141	Benzene, 1,2-dichloro-	Water	mg	6.96
142	Benzene, chloro-	Water	mg	10.25
143	Benzene, ethyl-	Air	mg	24.30
144	Benzene, ethyl-	Water	mg	9.92
145	Benzene, hexachloro-	Air	µg	10.26
146	Benzene, pentachloro-	Air	ng	97.05
147	Benzene, pentachloronitro-	Soil	µg	2.42
148	Benzo(a)anthracene	Air	ng	3.07
149	Benzo(a)anthracene	Water	ng	30.42
150	Benzo(a)pyrene	Air	mg	2.67
151	Benzo(a)pyrene	Water	ng	3.70

152	Benzo(b)fluoranthene	Air	ng	3.63
153	Benzo(b)fluoranthene	Water	ng	3.60
154	Benzo(g,h,i)perylene	Air	pg	225.31
155	Benzo(g,h,i)perylene	Water	pg	507.18
156	Benzo(k)fluoranthene	Air	ng	2.63
157	Benzo(k)fluoranthene	Water	ng	1.70
158	Beryllium	Air	mg	1.32
159	Beryllium	Water	mg	757.34
160	Beryllium	Soil	µg	26.42
161	Bicarbonate, ion	Water	µg	8.29
162	Bifenox	Soil	µg	2.05
163	Bifenthrin	Soil	µg	1.89
164	Bisphenol A	Water	mg	4.25
165	Bitertanol	Soil	ng	808.84
166	BOD5, Biological Oxygen Demand	Water	g	101.04
167	Borate	Water	mg	2.36
168	Borax	Raw	mg	94.74
169	Boric acid	Air	pg	119.08
170	Boron	Air	g	3.18
171	Boron	Water	g	14.22
172	Boron	Soil	mg	15.76
173	Boron trifluoride	Air	ng	803.88
174	Boscalid	Soil	µg	17.28
175	Bromacil	Soil	µg	16.80
176	Bromate	Water	mg	54.34
177	Bromide	Water	mg	7.31
178	Bromine	Raw	mg	8.76
179	Bromine	Air	g	2.25
180	Bromine	Water	g	4.16
181	Bromine	Soil	µg	244.72
182	Bromopropane	Air	µg	1.25
183	Bromopropane	Water	ng	44.30
184	Bromoxynil	Air	ng	19.75
185	Bromoxynil	Water	ng	114.09
186	Bromoxynil	Soil	µg	14.75
187	Bromuconazole	Soil	ng	9.39
188	Buprofezin	Soil	µg	1.38
189	Butadiene	Air	ng	531.47
190	Butane	Air	mg	857.29
191	Butene	Air	mg	10.35
192	Butene	Water	µg	115.56
193	Butyl acetate	Water	µg	131.73
194	Butyric acid, 4-(2,4-dichlorophenoxy)-	Air	ng	165.75
195	Butyric acid, 4-(2,4-dichlorophenoxy)-	Water	ng	73.16
196	Butyric acid, 4-(2,4-dichlorophenoxy)-	Soil	µg	2.71
197	Butyrolactone	Water	ng	826.96
198	Cadmium	Raw	mg	244.99
199	Cadmium	Air	mg	13.56
200	Cadmium	Water	mg	301.38
201	Cadmium	Soil	µg	222.87
202	Calcite	Raw	kg	2.49
203	Calcium	Air	mg	207.20

204	Calcium	Water	kg	7.03
205	Calcium	Soil	g	1.48
206	Captan	Soil	mg	1.63
207	Carbaryl	Air	ng	137.94
208	Carbaryl	Water	pg	146.40
209	Carbaryl	Soil	ng	100.57
210	Carbendazim	Soil	µg	73.68
211	Carbetamide	Soil	µg	46.09
212	Carbofuran	Soil	µg	91.57
213	Carbon	Air	µg	14.60
214	Carbon	Water	µg	49.97
215	Carbon	Soil	g	1.78
216	Carbon-14	Air	Bq	755.97
217	Carbon-14	Water	mBq	352.24
218	Carbon dioxide, biogenic	Air	g	809.80
219	Carbon dioxide, fossil	Air	kg	799.08
220	Carbon dioxide, in air	Raw	kg	7.16
221	Carbon dioxide, land transformation	Air	g	76.95
222	Carbon dioxide, to soil or biomass stock	Soil	mg	558.30
223	Carbon disulfide	Air	mg	362.58
224	Carbon disulfide	Water	µg	15.74
225	Carbon monoxide, biogenic	Air	g	2.04
226	Carbon monoxide, fossil	Air	g	922.35
227	Carbon monoxide, land transformation	Air	mg	240.33
228	Carbon, organic, in soil or biomass stock	Raw	g	5.81
229	Carbonate	Water	mg	48.60
230	Carbonyl sulfide	Air	mg	3.49
231	Carboxylic acids, unspecified	Water	g	1.61
232	Carfentrazone-ethyl	Air	ng	14.02
233	Carfentrazone-ethyl	Soil	ng	78.06
234	Carnallite	Raw	mg	839.35
235	Cerium	Raw	mg	2.64
236	Cerium-141	Air	mBq	1.39
237	Cerium-141	Water	mBq	9.01
238	Cerium-144	Water	mBq	10.12
239	Cesium	Water	µg	378.50
240	Cesium-134	Air	µBq	66.73
241	Cesium-134	Water	mBq	120.73
242	Cesium-136	Water	mBq	5.90
243	Cesium-137	Air	mBq	1.31
244	Cesium-137	Water	Bq	43.00
245	Chloramine	Air	µg	3.08
246	Chloramine	Water	µg	27.57
247	Chlorate	Water	mg	419.19
248	Chlorfenvinphos	Soil	µg	3.54
249	Chloridazon	Soil	ng	838.14
250	Chloride	Water	kg	3.95
251	Chloride	Soil	mg	999.18
252	Chlorides, unspecified	Water	mg	239.92
253	Chlorimuron-ethyl	Air	ng	255.06
254	Chlorimuron-ethyl	Soil	ng	279.61
255	Chlorinated solvents, unspecified	Air	µg	33.03

256	Chlorinated solvents, unspecified	Water	mg	5.95
257	Chlorine	Air	mg	26.95
258	Chlorine	Water	mg	5.07
259	Chlorine	Soil	mg	3.96
260	Chlormequat	Soil	µg	18.49
261	Chloroacetic acid	Air	µg	31.56
262	Chloroacetic acid	Water	µg	448.70
263	Chloroacetyl chloride	Water	µg	1.33
264	Chloroform	Air	g	6.67
265	Chloroform	Water	µg	2.82
266	Chloropicrin	Soil	µg	375.92
267	Chlorosilane, trimethyl-	Air	µg	4.64
268	Chlorosulfonic acid	Air	ng	346.20
269	Chlorosulfonic acid	Water	ng	822.09
270	Chlorothalonil	Soil	mg	2.82
271	Chlorpyrifos	Air	µg	5.09
272	Chlorpyrifos	Soil	µg	253.76
273	Chlorpyrifos methyl	Soil	µg	653.89
274	Chlorsulfuron	Soil	ng	12.95
275	Chlortoluron	Soil	µg	14.99
276	Choline chloride	Soil	µg	1.78
277	Chromium	Raw	g	24.64
278	Chromium	Air	mg	145.70
279	Chromium	Water	mg	8.68
280	Chromium	Soil	mg	2.76
281	Chromium-51	Air	µBq	89.28
282	Chromium-51	Water	Bq	1.23
283	Chromium IV	Air	pg	25.58
284	Chromium VI	Air	mg	12.42
285	Chromium VI	Water	g	4.48
286	Chromium VI	Soil	mg	71.44
287	Chrysene	Air	pg	354.08
288	Chrysene	Water	ng	19.62
289	Chrysotile	Raw	mg	8.18
290	Cinidon-ethyl	Soil	ng	27.62
291	Cinnabar	Raw	µg	26.31
292	Clay, bentonite	Raw	g	26.72
293	Clay, unspecified	Raw	g	575.25
294	Clethodim	Air	ng	754.59
295	Clethodim	Soil	ng	502.78
296	Clodinafop-propargyl	Soil	ng	191.59
297	Clomazone	Soil	ng	997.06
298	Clopyralid	Soil	ng	312.77
299	Cloquintocet-mexyl	Soil	ng	46.28
300	Cloransulam-methyl	Air	ng	132.84
301	Cloransulam-methyl	Soil	ng	121.03
302	Coal, brown	Raw	kg	24.61
303	Coal, hard	Raw	kg	483.95
304	Cobalt	Raw	mg	1.25
305	Cobalt	Air	mg	27.21
306	Cobalt	Water	g	7.78
307	Cobalt	Soil	µg	265.96

308	Cobalt-57	Water	mBq	187.20
309	Cobalt-58	Air	µBq	406.59
310	Cobalt-58	Water	Bq	24.20
311	Cobalt-60	Air	mBq	2.40
312	Cobalt-60	Water	Bq	10.96
313	Cobalt, Co 5.0E-2%, in mixed ore	Raw	µg	278.19
314	COD, Chemical Oxygen Demand	Water	g	157.80
315	Colemanite	Raw	mg	288.22
316	Copper	Air	mg	188.89
317	Copper	Water	g	18.59
318	Copper	Soil	mg	50.85
319	Copper, 0.52% in sulfide, Cu 0.27% and Mo 8.2E-3% in crude ore	Raw	g	6.28
320	Copper, 0.59% in sulfide, Cu 0.22% and Mo 8.2E-3% in crude ore	Raw	g	4.32
321	Copper, 0.97% in sulfide, Cu 0.36% and Mo 4.1E-2% in crude ore	Raw	g	1.48
322	Copper, 0.99% in sulfide, Cu 0.36% and Mo 8.2E-3% in crude ore	Raw	g	7.93
323	Copper, 1.13% in sulfide, Cu 0.76% and Ni 0.76% in crude ore	Raw	mg	371.08
324	Copper, 1.18% in sulfide, Cu 0.39% and Mo 8.2E-3% in crude ore	Raw	g	5.81
325	Copper, 1.42% in sulfide, Cu 0.81% and Mo 8.2E-3% in crude ore	Raw	mg	692.62
326	Copper, 2.19% in sulfide, Cu 1.83% and Mo 8.2E-3% in crude ore	Raw	g	2.28
327	Copper, Cu 0.2%, in mixed ore	Raw	mg	3.50
328	Copper, Cu 0.38%, Au 9.7E-4%, Ag 9.7E-4%, Zn 0.63%, Pb 0.014%, in ore	Raw	g	7.24
329	Copper, Cu 3.2E+0%, Pt 2.5E-4%, Pd 7.3E-4%, Rh 2.0E-5%, Ni 2.3E+0% in ore	Raw	mg	411.60
330	Copper, Cu 5.2E-2%, Pt 4.8E-4%, Pd 2.0E-4%, Rh 2.4E-5%, Ni 3.7E-2% in ore	Raw	mg	70.59
331	Copper, Cu 6.8E-1%, in mixed ore	Raw	mg	3.78
332	Cu-HDO	Water	ng	6.89
333	Cumene	Air	mg	3.14
334	Cumene	Water	mg	10.05
335	Cyanide	Air	mg	158.72
336	Cyanide	Water	mg	18.51
337	Cyanoacetic acid	Air	ng	269.98
338	Cyclohexane	Air	µg	2.30
339	Cyclohexane	Water	µg	5.43
340	Cycloxydim	Soil	µg	2.29
341	Cyfluthrin	Air	ng	26.63
342	Cyfluthrin	Soil	µg	1.24
343	Cyhalothrin, gamma-	Air	ng	305.59
344	Cyhalothrin, gamma-	Soil	ng	13.10
345	Cymoxanil	Soil	µg	8.50
346	Cypermethrin	Soil	µg	137.91
347	Cyproconazole	Soil	µg	405.48
348	Cyprodinil	Soil	µg	72.93
349	Decanoic acid	Water	ng	365.37
350	Deltamethrin	Soil	ng	195.76
351	Desmedipham	Soil	µg	1.06

352	Diatomite	Raw	µg	272.53
353	Diazinon	Soil	µg	33.97
354	Dibenz(a,h)anthracene	Air	ng	1.70
355	Dibenz(a,h)anthracene	Water	pg	355.10
356	Dibutyltin	Water	pg	0.01
357	Dicamba	Air	ng	661.66
358	Dicamba	Water	ng	132.31
359	Dicamba	Soil	µg	22.52
360	Dichlorodimethylsilane	Air	µg	4.23
361	Dichlorprop	Air	ng	23.37
362	Dichlorprop	Water	ng	24.45
363	Dichlorprop	Soil	ng	970.34
364	Dichlorprop-P	Soil	µg	61.17
365	Dichromate	Water	mg	2.11
366	Diclofop	Soil	µg	12.16
367	Diclofop-methyl	Soil	µg	12.28
368	Dicrotophos	Soil	µg	14.05
369	Diethanolamine	Water	µg	3.56
370	Diethyl ether	Air	ng	4.60
371	Diethylamine	Air	µg	1.45
372	Diethylamine	Water	µg	3.47
373	Diethylene glycol	Air	ng	10.62
374	Diethylene glycol	Water	ng	470.78
375	Difenoconazole	Soil	µg	370.77
376	Diflubenzuron	Air	ng	14.02
377	Diflubenzuron	Soil	µg	416.82
378	Diflufenican	Soil	µg	35.77
379	Diflufenzopyr-sodium	Soil	µg	1.68
380	Dimethachlor	Soil	µg	1.59
381	Dimethenamid	Air	ng	36.07
382	Dimethenamid	Water	ng	12.89
383	Dimethenamid	Soil	µg	59.38
384	Dimethoate	Soil	µg	134.27
385	Dimethomorph	Soil	µg	5.37
386	Dimethyl carbonate	Air	µg	33.70
387	Dimethyl hexanediol	Water	ng	468.74
388	Dimethyl hexynediol	Water	ng	755.82
389	Dimethyl malonate	Air	ng	338.56
390	Dimethylamine	Air	µg	7.09
391	Dimethylamine	Water	µg	8.39
392	Dimethyldichlorosilane	Air	µg	3.22
393	Dimethyldichlorosilane	Water	ng	118.80
394	Dinitrogen monoxide	Air	g	20.84
395	Dinitrogen tetroxide	Air	µg	2.15
396	Dioxin, 2,3,7,8 Tetrachlorodibenzo-p-	Air	ng	111.81
397	Dioxin, 2,3,7,8 Tetrachlorodibenzo-p-	Soil	ng	1.89
398	Diphenylether-compound	Water	ng	107.08
399	Diphenyltin	Water	pg	0.81
400	Dipropylamine	Air	ng	689.12
401	Dipropylamine	Water	µg	1.65
402	Dipropylthiocarbamic acid S-ethyl ester	Soil	µg	9.63
403	Diquat	Soil	µg	11.12

404	Discarded fish, pelagic	Water	µg	103.40
405	Dithianone	Soil	ng	227.89
406	Diuron	Soil	µg	174.14
407	DOC, Dissolved Organic Carbon	Water	g	72.69
408	Dodecanoic acid	Air	ng	884.58
409	Dodecanoic acid	Water	µg	7.41
410	Dodecanol	Water	ng	902.89
411	Dolomite	Raw	g	38.45
412	Endosulfan	Soil	µg	124.53
413	Endothall	Soil	ng	23.75
414	Energy, geothermal, converted	Raw	kJ	470.13
415	Energy, gross calorific value, in biomass	Raw	MJ	77.64
416	Energy, gross calorific value, in biomass, primary forest	Raw	kJ	92.09
417	Energy, kinetic (in wind), converted	Raw	MJ	65.85
418	Energy, potential (in hydropower reservoir), converted	Raw	MJ	603.37
419	Energy, solar, converted	Raw	kJ	14.93
420	Epichlorohydrin	Water	mg	1.89
421	Epoxiconazole	Soil	µg	2.76
422	Esfenvalerate	Air	ng	159.25
423	Esfenvalerate	Soil	ng	142.84
424	Ethalfuralin	Soil	ng	530.42
425	Ethane	Air	g	1.71
426	Ethane, 1,1-difluoro-, HFC-152a	Air	µg	601.04
427	Ethane, 1,1,1-trichloro-, HCFC-140	Air	mg	1.18
428	Ethane, 1,1,1-trichloro-, HCFC-140	Water	pg	1.99
429	Ethane, 1,1,1,2-tetrafluoro-, HFC-134a	Air	µg	331.70
430	Ethane, 1,1,2-trichloro-1,2,2-trifluoro-, CFC-113	Air	µg	13.13
431	Ethane, 1,2-dichloro-	Air	mg	7.12
432	Ethane, 1,2-dichloro-	Water	µg	192.90
433	Ethane, 1,2-dichloro-1,1,2,2-tetrafluoro-, CFC-114	Air	mg	2.69
434	Ethane, 2-chloro-1,1,1,2-tetrafluoro-, HCFC-124	Air	µg	2.75
435	Ethane, hexafluoro-, HFC-116	Air	µg	402.33
436	Ethanol	Air	mg	10.86
437	Ethanol	Water	µg	753.76
438	Ethene	Air	mg	150.81
439	Ethene	Water	mg	1.84
440	Ethene, chloro-	Air	mg	2.96
441	Ethene, chloro-	Water	µg	58.01
442	Ethene, tetrachloro-	Air	mg	2.57
443	Ethene, trichloro-	Air	µg	13.57
444	Ethephon	Air	pg	1.23
445	Ethephon	Water	pg	0.08
446	Ethephon	Soil	µg	61.39
447	Ethofumesate	Soil	µg	77.01
448	Ethoprop	Soil	µg	2.23
449	Ethyl acetate	Air	mg	10.95
450	Ethyl acetate	Water	µg	2.90
451	Ethyl cellulose	Air	µg	21.42
452	Ethylamine	Air	µg	1.65
453	Ethylamine	Water	µg	3.97
454	Ethylene diamine	Air	µg	3.61

455	Ethylene diamine	Water	µg	8.68
456	Ethylene oxide	Air	µg	68.29
457	Ethylene oxide	Water	µg	64.41
458	Ethyne	Air	mg	18.05
459	Europium	Raw	µg	6.62
460	Feldspar	Raw	µg	487.91
461	Fenamiphos	Soil	µg	46.44
462	Fenbuconazole	Soil	ng	377.03
463	Fenoxaprop	Air	ng	208.45
464	Fenoxaprop	Soil	ng	242.87
465	Fenoxaprop-P ethyl ester	Soil	ng	908.51
466	Fenoxaprop ethyl ester	Soil	µg	1.01
467	Fenpiclonil	Soil	µg	105.15
468	Fenpropidin	Soil	µg	28.02
469	Fenpropimorph	Soil	µg	25.92
470	Fentin hydroxide	Soil	ng	386.06
471	Fipronil	Soil	µg	86.47
472	Fish, pelagic, in ocean	Raw	mg	2.75
473	Florasulam	Soil	ng	203.72
474	Fluazifop	Soil	µg	2.14
475	Fluazifop-p-butyl	Air	ng	299.11
476	Fluazifop-P-butyl	Soil	µg	11.64
477	Flucarbazone sodium salt	Soil	pg	809.17
478	Fludioxonil	Soil	µg	5.87
479	Flufenacet	Air	ng	112.15
480	Flufenacet	Soil	µg	8.20
481	Flumetsulam	Air	ng	26.24
482	Flumetsulam	Soil	µg	2.94
483	Flumiclorac-pentyl	Air	ng	44.90
484	Flumiclorac-pentyl	Soil	ng	1.92
485	Flumioxazin	Air	ng	454.18
486	Flumioxazin	Soil	ng	153.81
487	Fluoranthene	Air	ng	28.11
488	Fluoranthene	Water	µg	159.68
489	Fluorene	Air	ng	26.39
490	Fluorene	Water	µg	58.85
491	Fluoride	Water	g	14.01
492	Fluoride	Soil	mg	60.65
493	Fluorine	Raw	mg	636.62
494	Fluorine	Air	mg	20.18
495	Fluorine, 4.5% in apatite, 3% in crude ore	Raw	mg	160.50
496	Fluorspar	Raw	g	2.37
497	Fluosilicic acid	Air	mg	2.32
498	Fluosilicic acid	Water	mg	4.33
499	Flupyr-sulfuron-methyl	Soil	ng	1.26
500	Fluquinconazole	Soil	ng	51.79
501	Fluroxypyr	Soil	ng	956.31
502	Flurtamone	Soil	µg	37.87
503	Flusilazole	Soil	µg	1.13
504	Flutolanil	Soil	ng	439.00
505	Folpet	Soil	µg	7.40
506	Fomesafen	Air	µg	1.69

507	Fomesafen	Soil	ng	954.40
508	Foramsulfuron	Soil	ng	314.83
509	Formaldehyde	Air	mg	488.43
510	Formaldehyde	Water	mg	19.08
511	Formamide	Air	µg	1.02
512	Formamide	Water	µg	2.45
513	Formate	Water	µg	157.89
514	Formic acid	Air	mg	2.55
515	Formic acid	Water	ng	712.11
516	Fosetyl	Soil	µg	2.26
517	Fosetyl-aluminium	Soil	µg	161.05
518	Fungicides, unspecified	Soil	µg	96.60
519	Furan	Air	mg	11.09
520	Furathiocarb	Soil	µg	7.65
521	Gadolinium	Raw	µg	16.53
522	Gallium	Raw	mg	20.56
523	Gangue, bauxite	Raw	g	703.45
524	Gas, mine, off-gas, process, coal mining/m3	Raw	m3	2.04
525	Gas, natural/m3	Raw	m3	10.99
526	Glucose	Water	µg	1.10
527	Glufosinate	Soil	µg	51.01
528	Glutaraldehyde	Water	µg	123.64
529	Glyphosate	Air	µg	338.70
530	Glyphosate	Water	µg	7.11
531	Glyphosate	Soil	mg	21.92
532	Gold	Raw	µg	67.14
533	Gold, Au 1.0E-7%, in mixed ore	Raw	ng	57.39
534	Gold, Au 1.1E-4%, Ag 4.2E-3%, in ore	Raw	µg	14.10
535	Gold, Au 1.3E-4%, Ag 4.6E-5%, in ore	Raw	µg	22.76
536	Gold, Au 1.8E-4%, in mixed ore	Raw	µg	4.18
537	Gold, Au 2.1E-4%, Ag 2.1E-4%, in ore	Raw	µg	4.93
538	Gold, Au 4.3E-4%, in ore	Raw	µg	13.10
539	Gold, Au 4.9E-5%, in ore	Raw	µg	65.72
540	Gold, Au 5.4E-4%, Ag 1.5E-5%, in ore	Raw	ng	424.42
541	Gold, Au 6.7E-4%, in ore	Raw	µg	70.10
542	Gold, Au 6.8E-4%, Ag 1.5E-4%, in ore	Raw	ng	576.74
543	Gold, Au 7.1E-4%, in ore	Raw	µg	32.46
544	Gold, Au 9.7E-4%, Ag 9.7E-4%, Zn 0.63%, Cu 0.38%, Pb 0.014%, in ore	Raw	µg	176.34
545	Gold, Au 9.7E-5%, Ag 7.6E-5%, in ore	Raw	µg	2.09
546	Granite	Raw	ng	545.72
547	Gravel	Raw	kg	46.43
548	Gypsum	Raw	g	54.13
549	Halosulfuron-methyl	Soil	ng	2.11
550	Heat, waste	Air	MJ	1.23
551	Heat, waste	Water	MJ	1.11
552	Heat, waste	Soil	kJ	19.07
553	Helium	Air	mg	19.01
554	Heptane	Air	mg	195.35
555	Herbicides, unspecified	Soil	µg	33.21
556	Hexaconazole	Soil	µg	82.08
557	Hexane	Air	mg	562.46

558	Hexazinone	Soil	µg	7.78
559	Hydramethylnon	Soil	ng	179.35
560	Hydrazine	Water	ng	241.28
561	Hydrocarbons, aliphatic, alkanes, cyclic	Air	mg	498.19
562	Hydrocarbons, aliphatic, alkanes, unspecified	Air	g	1.38
563	Hydrocarbons, aliphatic, alkanes, unspecified	Water	mg	49.21
564	Hydrocarbons, aliphatic, unsaturated	Air	g	1.00
565	Hydrocarbons, aliphatic, unsaturated	Water	mg	4.54
566	Hydrocarbons, aromatic	Air	mg	682.18
567	Hydrocarbons, aromatic	Water	mg	202.13
568	Hydrocarbons, chlorinated	Air	mg	21.48
569	Hydrocarbons, unspecified	Air	µg	433.95
570	Hydrocarbons, unspecified	Water	mg	104.37
571	Hydrocarbons, unspecified	Soil	µg	979.73
572	Hydrogen	Air	mg	184.69
573	Hydrogen-3, Tritium	Air	kBq	1.29
574	Hydrogen-3, Tritium	Water	kBq	138.71
575	Hydrogen carbonate	Water	mg	143.61
576	Hydrogen chloride	Air	g	191.95
577	Hydrogen chloride	Water	mg	23.34
578	Hydrogen fluoride	Air	g	20.62
579	Hydrogen peroxide	Air	µg	13.75
580	Hydrogen peroxide	Water	µg	369.38
581	Hydrogen sulfide	Air	mg	264.91
582	Hydrogen sulfide	Water	mg	432.57
583	Hydroxide	Water	µg	661.78
584	Hypochlorite	Water	mg	7.40
585	Imazamox	Air	ng	67.17
586	Imazamox	Soil	ng	123.08
587	Imazapyr	Soil	ng	41.98
588	Imazaquin	Air	ng	214.13
589	Imazaquin	Soil	ng	9.18
590	Imazethapyr	Air	ng	443.16
591	Imazethapyr	Soil	ng	454.05
592	Imidacloprid	Soil	µg	137.55
593	Indeno(1,2,3-cd)pyrene	Air	pg	670.92
594	Indeno(1,2,3-cd)pyrene	Water	ng	5.57
595	Indium	Raw	mg	4.08
596	Indoxacarb	Soil	µg	56.83
597	Insecticides, unspecified	Soil	µg	5.86
598	Iodide	Water	mg	185.39
599	Iodide	Soil	ng	9.19
600	Iodine	Raw	mg	1.66
601	Iodine	Air	g	1.14
602	Iodine-129	Air	mBq	212.11
603	Iodine-131	Air	mBq	982.17
604	Iodine-131	Water	mBq	802.09
605	Iodine-133	Air	mBq	38.20
606	Iodine-133	Water	mBq	16.55
607	Iodosulfuron	Soil	ng	3.45
608	Iodosulfuron-methyl-sodium	Soil	pg	783.88
609	Ioxynil	Soil	µg	14.55

610	Iprodione	Soil	µg	759.13
611	Iron	Raw	kg	1.81
612	Iron	Air	mg	772.94
613	Iron	Water	g	722.70
614	Iron	Soil	g	12.58
615	Iron-59	Water	Bq	2.88
616	Isocyanic acid	Air	mg	4.70
617	Isoprene	Air	µg	36.97
618	Isopropylamine	Air	µg	1.02
619	Isopropylamine	Water	µg	2.45
620	Isoproturon	Soil	µg	68.87
621	Isoxaflutole	Soil	µg	9.60
622	Kaolin	Soil	µg	14.93
623	Kaolinite	Raw	g	6.17
624	Kieserite	Raw	g	25.86
625	Kresoxim-methyl	Soil	µg	1.35
626	Krypton	Raw	µg	764.55
627	Krypton-85	Air	Bq	22.63
628	Krypton-85m	Air	Bq	252.66
629	Krypton-87	Air	Bq	18.42
630	Krypton-88	Air	Bq	24.35
631	Krypton-89	Air	Bq	10.35
632	Lactic acid	Air	ng	539.82
633	Lactic acid	Water	µg	1.30
634	Lactofen	Air	ng	215.64
635	Lactofen	Soil	ng	9.24
636	Lambda-cyhalothrin	Air	pg	0.04
637	Lambda-cyhalothrin	Water	pg	0.00
638	Lambda-cyhalothrin	Soil	µg	3.15
639	Land use III-IV	Raw	cm2a	800.02
640	Lanthanum	Raw	µg	792.67
641	Lanthanum-140	Air	µBq	491.17
642	Lanthanum-140	Water	mBq	24.44
643	Lead	Raw	g	4.08
644	Lead	Air	mg	332.02
645	Lead	Water	mg	578.66
646	Lead	Soil	mg	3.17
647	Lead-210	Air	Bq	497.98
648	Lead-210	Water	Bq	3.12
649	Lead, Pb 0.014%, Au 9.7E-4%, Ag 9.7E-4%, Zn 0.63%, Cu 0.38%, in ore	Raw	mg	874.72
650	Lead, Pb 3.6E-1%, in mixed ore	Raw	mg	6.30
651	Lenacil	Soil	µg	4.59
652	Linuron	Soil	µg	220.25
653	Lithium	Raw	µg	908.35
654	Lithium	Air	ng	2.49
655	Lithium	Water	g	9.51
656	Lithium	Soil	µg	9.92
657	m-Xylene	Air	mg	7.83
658	m-Xylene	Water	µg	269.52
659	Magnesite	Raw	g	16.26
660	Magnesium	Air	mg	809.99

661	Magnesium	Water	kg	3.94
662	Magnesium	Soil	mg	261.63
663	Malathion	Soil	µg	12.92
664	Maleic anhydride	Water	ng	471.38
665	Maleic hydrazide	Soil	µg	2.44
666	Mancozeb	Soil	mg	4.47
667	Mandipropamid	Soil	ng	5.27
668	Maneb	Soil	ng	56.81
669	Manganese	Raw	g	12.43
670	Manganese	Air	mg	277.33
671	Manganese	Water	g	296.70
672	Manganese	Soil	mg	37.72
673	Manganese-54	Air	µBq	45.72
674	Manganese-54	Water	mBq	502.09
675	MCPB	Air	ng	32.10
676	MCPB	Water	ng	74.29
677	MCPB	Soil	µg	14.79
678	Mecoprop	Soil	ng	739.16
679	Mecoprop-P	Soil	µg	1.60
680	Mefenpyr	Soil	µg	2.04
681	Mefenpyr-diethyl	Soil	µg	1.11
682	Mepiquat chloride	Soil	µg	9.73
683	Mercury	Air	mg	22.19
684	Mercury	Water	mg	100.10
685	Mercury	Soil	µg	5.97
686	Mesosulfuron-methyl (prop)	Soil	ng	4.32
687	Mesotrione	Soil	µg	13.64
688	Metalaxil	Soil	µg	1.60
689	Metalaxyl-M	Soil	mg	1.85
690	Metaldehyde (tetramer)	Soil	µg	98.54
691	Metam-sodium dihydrate	Soil	µg	398.31
692	Metamitron	Soil	µg	255.95
693	Metamorphous rock, graphite containing	Raw	mg	96.90
694	Metazachlor	Soil	µg	46.51
695	Metconazole	Soil	ng	260.06
696	Methane	Air	µg	51.50
697	Methane, biogenic	Air	g	2.04
698	Methane, bromo-, Halon 1001	Air	ng	215.72
699	Methane, bromochlorodifluoro-, Halon 1211	Air	µg	48.79
700	Methane, bromotrifluoro-, Halon 1301	Air	µg	481.51
701	Methane, chlorodifluoro-, HCFC-22	Air	mg	1.24
702	Methane, dichloro-, HCC-30	Air	mg	217.11
703	Methane, dichloro-, HCC-30	Water	mg	9.27
704	Methane, dichlorodifluoro-, CFC-12	Air	µg	154.35
705	Methane, dichlorofluoro-, HCFC-21	Air	ng	78.31
706	Methane, fossil	Air	g	713.69
707	Methane, land transformation	Air	mg	20.49
708	Methane, monochloro-, R-40	Air	mg	31.19
709	Methane, tetrachloro-, CFC-10	Air	mg	667.18
710	Methane, tetrafluoro-, CFC-14	Air	mg	5.97
711	Methane, trichlorofluoro-, CFC-11	Air	ng	86.34
712	Methane, trifluoro-, HFC-23	Air	µg	24.92

713	Methanesulfonic acid	Air	ng	272.82
714	Methanol	Air	mg	134.34
715	Methanol	Water	mg	7.09
716	Methiocarb	Soil	µg	1.63
717	Methomyl	Air	pg	4.21
718	Methomyl	Water	pg	0.07
719	Methomyl	Soil	pg	13.26
720	Methoxyfenozide	Soil	µg	6.14
721	Methyl acetate	Air	ng	103.35
722	Methyl acetate	Water	ng	248.04
723	Methyl acrylate	Air	µg	16.71
724	Methyl acrylate	Water	µg	326.53
725	Methyl borate	Air	ng	569.67
726	Methyl ethyl ketone	Air	mg	10.96
727	Methyl formate	Air	ng	392.65
728	Methyl formate	Water	ng	156.76
729	Methyl lactate	Air	ng	592.63
730	Methylamine	Air	µg	2.21
731	Methylamine	Water	ng	700.28
732	Metiram	Soil	µg	1.66
733	Metolachlor	Air	µg	3.77
734	Metolachlor	Water	ng	199.31
735	Metolachlor	Soil	µg	810.00
736	Metosulam	Soil	ng	2.48
737	Metribuzin	Air	µg	1.40
738	Metribuzin	Soil	µg	137.71
739	Metsulfuron-methyl	Soil	µg	2.62
740	Mineral oil	Soil	mg	6.79
741	Molinate	Soil	ng	631.61
742	Molybdenum	Raw	mg	169.19
743	Molybdenum	Air	mg	22.79
744	Molybdenum	Water	g	2.53
745	Molybdenum	Soil	µg	62.57
746	Molybdenum-99	Water	mBq	5.59
747	Molybdenum, 0.010% in sulfide, Mo 8.2E-3% and Cu 1.83% in crude ore	Raw	mg	66.06
748	Molybdenum, 0.014% in sulfide, Mo 8.2E-3% and Cu 0.81% in crude ore	Raw	mg	14.22
749	Molybdenum, 0.016% in sulfide, Mo 8.2E-3% and Cu 0.27% in crude ore	Raw	mg	150.46
750	Molybdenum, 0.022% in sulfide, Mo 8.2E-3% and Cu 0.22% in crude ore	Raw	mg	96.56
751	Molybdenum, 0.022% in sulfide, Mo 8.2E-3% and Cu 0.36% in crude ore	Raw	mg	108.62
752	Molybdenum, 0.025% in sulfide, Mo 8.2E-3% and Cu 0.39% in crude ore	Raw	mg	115.92
753	Monobutyltin	Water	pg	2.20
754	Monocrotophos	Soil	µg	49.87
755	Monoethanolamine	Air	mg	3.29
756	Monoethanolamine	Water	µg	24.79
757	Monophenyltin	Water	pg	0.00
758	Monosodium acid methanearsonate	Soil	µg	7.17
759	Myclobutanil	Soil	µg	8.61

760	Naphthalene	Air	µg	29.51
761	Naphthalene	Water	µg	11.80
762	Napropamide	Soil	µg	32.09
763	Neodymium	Raw	µg	435.97
764	Nickel	Air	mg	224.19
765	Nickel	Water	g	35.51
766	Nickel	Soil	µg	760.97
767	Nickel, 1.13% in sulfide, Ni 0.76% and Cu 0.76% in crude ore	Raw	mg	721.54
768	Nickel, 1.98% in silicates, 1.04% in crude ore	Raw	g	17.57
769	Nickel, Ni 2.3E+0%, Pt 2.5E-4%, Pd 7.3E-4%, Rh 2.0E-5%, Cu 3.2E+0% in ore	Raw	mg	297.14
770	Nickel, Ni 2.5E+0%, in mixed ore	Raw	mg	13.63
771	Nickel, Ni 3.7E-2%, Pt 4.8E-4%, Pd 2.0E-4%, Rh 2.4E-5%, Cu 5.2E-2% in ore	Raw	mg	100.66
772	Nicosulfuron	Soil	µg	2.31
773	Niobium-95	Air	Bq	3.52
774	Niobium-95	Water	mBq	72.44
775	Nitrate	Air	mg	11.51
776	Nitrate	Water	g	390.52
777	Nitrate	Soil	mg	11.43
778	Nitrite	Water	mg	7.10
779	Nitrobenzene	Air	µg	75.12
780	Nitrobenzene	Water	µg	301.03
781	Nitrogen fluoride	Air	ng	2.33
782	Nitrogen monoxide	Air	µg	41.93
783	Nitrogen oxides	Air	kg	1.92
784	Nitrogen, atmospheric	Raw	g	239.49
785	Nitrogen, atmospheric	Air	g	13.32
786	Nitrogen, atmospheric	Water	mg	228.80
787	Nitrogen, atmospheric	Soil	mg	6.26
788	Nitrogen, organic bound	Water	mg	229.51
789	NMVOC, non-methane volatile organic compounds, unspecified origin	Air	g	146.88
790	Noble gases, radioactive, unspecified	Air	kBq	2041.15
791	Norflurazon	Soil	µg	24.51
792	o-Xylene	Air	mg	2.90
793	o-Xylene	Water	µg	195.19
794	Occupation, annual crop	Raw	cm2a	261.05
795	Occupation, annual crop, greenhouse	Raw	mm2a	64.60
796	Occupation, annual crop, irrigated	Raw	mm2a	732.86
797	Occupation, annual crop, irrigated, intensive	Raw	cm2a	13.90
798	Occupation, annual crop, non-irrigated	Raw	mm2a	58.20
799	Occupation, annual crop, non-irrigated, extensive	Raw	cm2a	56.63
800	Occupation, annual crop, non-irrigated, intensive	Raw	cm2a	251.45
801	Occupation, arable land, unspecified use	Raw	mm2a	0.00
802	Occupation, construction site	Raw	cm2a	220.09
803	Occupation, dump site	Raw	m2a	2.93
804	Occupation, forest, extensive	Raw	cm2a	271.34
805	Occupation, forest, intensive	Raw	m2a	10.64
806	Occupation, grassland, natural (non-use)	Raw	m2a	0.15
807	Occupation, industrial area	Raw	m2a	1.40

808	Occupation, inland waterbody, unspecified	Raw	mm2a	24.11
809	Occupation, mineral extraction site	Raw	m2a	1.89
810	Occupation, pasture, man made, extensive	Raw	mm2a	61.39
811	Occupation, pasture, man made, intensive	Raw	cm2a	65.31
812	Occupation, permanent crop	Raw	cm2a	17.88
813	Occupation, permanent crop, irrigated	Raw	cm2a	238.87
814	Occupation, permanent crop, irrigated, intensive	Raw	mm2a	565.29
815	Occupation, permanent crop, non-irrigated, intensive	Raw	mm2a	74.54
816	Occupation, seabed, drilling and mining	Raw	cm2a	16.07
817	Occupation, seabed, infrastructure	Raw	mm2a	15.37
818	Occupation, shrub land, sclerophyllous	Raw	cm2a	193.54
819	Occupation, traffic area, rail network	Raw	m2a	0.30
820	Occupation, traffic area, rail/road embankment	Raw	m2a	0.57
821	Occupation, traffic area, road network	Raw	m2a	0.56
822	Occupation, unknown	Raw	mm2a	107.58
823	Occupation, urban, discontinuously built	Raw	mm2a	346.27
824	Occupation, urban/industrial fallow (non-use)	Raw	mm2a	80.92
825	Occupation, water bodies, artificial	Raw	m2a	6.22
826	Octaethylene glycol monododecyl ether	Air	µg	1.05
827	Oil, crude	Raw	kg	7.61
828	Oils, biogenic	Water	µg	684.18
829	Oils, biogenic	Soil	mg	343.40
830	Oils, unspecified	Water	g	23.95
831	Oils, unspecified	Soil	g	25.28
832	Olivine	Raw	µg	266.37
833	Orbencarb	Soil	µg	658.91
834	Organic carbon	Air	µg	36.32
835	Organic carbon	Water	µg	118.18
836	Organic carbon	Soil	µg	118.18
837	Oryzalin	Soil	µg	11.30
838	Oxamyl	Soil	µg	2.27
839	Oxydemeton methyl	Soil	ng	241.56
840	Oxyfluorfen	Soil	µg	93.19
841	Oxygen	Raw	g	339.03
842	Oxygen	Water	ng	97.70
843	Ozone	Air	g	3.79
844	PAH, polycyclic aromatic hydrocarbons	Air	mg	73.82
845	PAH, polycyclic aromatic hydrocarbons	Water	mg	2.83
846	PAH, polycyclic aromatic hydrocarbons	Soil	µg	29.77
847	Palladium, Pd 1.6E-6%, in mixed ore	Raw	ng	910.68
848	Palladium, Pd 2.0E-4%, Pt 4.8E-4%, Rh 2.4E-5%, Ni 3.7E-2%, Cu 5.2E-2% in ore	Raw	µg	196.42
849	Palladium, Pd 7.3E-4%, Pt 2.5E-4%, Rh 2.0E-5%, Ni 2.3E+0%, Cu 3.2E+0% in ore	Raw	µg	93.77
850	Paraffins	Air	µg	68.49
851	Paraffins	Water	µg	304.46
852	Paraquat	Air	ng	899.72
853	Paraquat	Soil	µg	296.63
854	Parathion	Soil	µg	1.79
855	Parathion, methyl	Air	ng	172.67
856	Parathion, methyl	Soil	ng	7.40
857	Particulates, < 2.5 um	Air	kg	1.32
858	Particulates, > 10 um	Air	kg	1.76

859	Particulates, > 2.5 um, and < 10um	Air	g	172.60
860	Peat	Raw	g	7.35
861	Pendimethalin	Air	µg	9.68
862	Pendimethalin	Water	ng	17.55
863	Pendimethalin	Soil	µg	94.97
864	Pentane	Air	g	1.69
865	Pentane	Water	ng	57.36
866	Pentane, 2-methyl-	Air	µg	15.55
867	Pentane, 2,2,4-trimethyl-	Air	ng	10.89
868	Perlite	Raw	mg	69.75
869	Permethrin	Air	ng	140.85
870	Permethrin	Soil	µg	1.03
871	Pesticides, unspecified	Soil	µg	809.79
872	Phenanthrene	Air	ng	393.36
873	Phenanthrene	Water	µg	132.46
874	Phenmedipham	Soil	µg	47.46
875	Phenol	Air	mg	5.82
876	Phenol	Water	mg	57.94
877	Phenol, 2,4-dichloro-	Air	ng	879.14
878	Phenol, pentachloro-	Air	mg	1.14
879	Phenol, pentachloro-	Soil	µg	1.05
880	Phorate	Soil	µg	4.03
881	Phosgene	Air	µg	13.75
882	Phosmet	Soil	µg	5.95
883	Phosphate	Water	kg	1.31
884	Phosphine	Air	µg	5.45
885	Phosphoric acid	Air	ng	4.22
886	Phosphoric acid	Water	ng	546.35
887	Phosphorus	Raw	g	1.05
888	Phosphorus	Air	mg	5.29
889	Phosphorus	Water	mg	13.99
890	Phosphorus	Soil	mg	29.46
891	Phosphorus oxychloride	Water	ng	207.34
892	Phosphorus pentachloride	Water	µg	1.00
893	Phosphorus trichloride	Air	µg	71.06
894	Phosphorus trichloride	Water	ng	37.12
895	Phosphorus, 18% in apatite, 4% in crude ore	Raw	g	2.55
896	Picloram	Soil	ng	1.62
897	Picoxystrobin	Soil	µg	2.68
898	Piperonyl butoxide	Soil	µg	1.22
899	Pirimicarb	Soil	µg	61.04
900	Pirimiphos methyl	Soil	µg	20.60
901	Platinum	Air	µg	642.45
902	Platinum, Pt 2.5E-4%, Pd 7.3E-4%, Rh 2.0E-5%, Ni 2.3E+0%, Cu 3.2E+0% in ore	Raw	µg	32.14
903	Platinum, Pt 4.7E-7%, in mixed ore	Raw	ng	263.42
904	Platinum, Pt 4.8E-4%, Pd 2.0E-4%, Rh 2.4E-5%, Ni 3.7E-2%, Cu 5.2E-2% in ore	Raw	µg	462.20
905	Plutonium-238	Air	nBq	28.94
906	Plutonium-alpha	Air	nBq	66.33
907	Polonium-210	Air	Bq	883.81
908	Polonium-210	Water	Bq	2.30
909	Polychlorinated biphenyls	Air	µg	22.99

910	Polychlorinated biphenyls	Water	ng	18.58
911	Potassium	Air	mg	238.82
912	Potassium	Water	kg	3.03
913	Potassium	Soil	mg	191.55
914	Potassium-40	Air	Bq	165.07
915	Potassium-40	Water	mBq	830.36
916	Potassium chloride	Raw	g	4.28
917	Praseodymium	Raw	µg	46.26
918	Primisulfuron	Soil	µg	1.05
919	Prochloraz	Soil	ng	625.59
920	Procymidone	Soil	ng	254.15
921	Profenofos	Soil	µg	11.15
922	Prohexadione-calcium	Soil	pg	975.13
923	Prometryn	Soil	µg	5.99
924	Pronamide	Soil	ng	2.56
925	Propachlor	Soil	µg	283.70
926	Propamocarb HCl	Soil	ng	19.37
927	Propanal	Air	µg	323.65
928	Propanal	Water	µg	1.54
929	Propane	Air	g	1.12
930	Propanil	Soil	µg	1.64
931	Propargite	Soil	µg	1.29
932	Propene	Air	mg	115.08
933	Propene	Water	mg	10.57
934	Propiconazole	Air	ng	165.54
935	Propiconazole	Water	pg	279.82
936	Propiconazole	Soil	µg	9.80
937	Propionic acid	Air	mg	5.35
938	Propionic acid	Water	µg	6.44
939	Propoxycarbazone-sodium (prop)	Soil	ng	5.41
940	Propylamine	Air	ng	251.55
941	Propylamine	Water	ng	603.72
942	Propylene oxide	Air	µg	578.88
943	Propylene oxide	Water	mg	1.37
944	Prosulfuron	Soil	ng	389.82
945	Protactinium-234	Air	Bq	7.48
946	Protactinium-234	Water	Bq	2.50
947	Prothioconazol	Air	pg	0.11
948	Prothioconazol	Water	pg	0.01
949	Prothioconazol	Soil	ng	758.20
950	Pumice	Raw	g	8.13
951	Pymetrozine	Soil	ng	123.95
952	Pyraclostrobin (prop)	Air	ng	389.85
953	Pyraclostrobin (prop)	Water	pg	142.36
954	Pyraclostrobin (prop)	Soil	µg	196.34
955	Pyrene	Air	ng	20.42
956	Pyrene	Water	µg	120.29
957	Pyrethrin	Soil	µg	1.34
958	Pyrimethanil	Soil	µg	10.63
959	Pyrithiobac sodium salt	Soil	ng	400.51
960	Quinclorac	Soil	ng	27.32
961	Quinoxifen	Soil	ng	47.28

962	Quizalofop-P	Soil	ng	36.56
963	Quizalofop-p-ethyl	Soil	µg	8.99
964	Quizalofop ethyl ester	Air	ng	52.29
965	Quizalofop ethyl ester	Soil	ng	34.77
966	Radioactive species, alpha emitters	Water	mBq	20.82
967	Radioactive species, Nuclides, unspecified	Water	Bq	210.19
968	Radioactive species, other beta emitters	Air	Bq	437.40
969	Radium-224	Water	Bq	18.93
970	Radium-226	Air	Bq	134.98
971	Radium-226	Water	Bq	868.97
972	Radium-228	Air	Bq	44.63
973	Radium-228	Water	Bq	54.33
974	Radon-220	Air	kBq	3.64
975	Radon-222	Air	kBq	11617.68
976	Rhenium	Raw	ng	785.90
977	Rhodium, Rh 1.6E-7%, in mixed ore	Raw	ng	89.37
978	Rhodium, Rh 2.0E-5%, Pt 2.5E-4%, Pd 7.3E-4%, Ni 2.3E+0%, Cu 3.2E+0% in ore	Raw	µg	2.57
979	Rhodium, Rh 2.4E-5%, Pt 4.8E-4%, Pd 2.0E-4%, Ni 3.7E-2%, Cu 5.2E-2% in ore	Raw	µg	23.14
980	Rimsulfuron	Soil	µg	1.11
981	Rotenone	Soil	ng	750.64
982	Rubidium	Water	mg	3.79
983	Ruthenium-103	Air	µBq	1.19
984	Ruthenium-103	Water	mBq	6.06
985	Samarium	Raw	µg	33.01
986	Sand	Raw	g	1.11
987	Scandium	Air	mg	1.10
988	Scandium	Water	g	2.19
989	Scandium	Soil	µg	71.23
990	Selenium	Air	mg	123.48
991	Selenium	Water	g	1.59
992	Selenium	Soil	µg	215.62
993	Sethoxydim	Air	ng	112.54
994	Sethoxydim	Soil	ng	221.31
995	Shale	Raw	kg	127.87
996	Silicon	Air	mg	710.02
997	Silicon	Water	kg	11.41
998	Silicon	Soil	mg	953.38
999	Silicon dioxide	Water	mg	2.33
1000	Silicon tetrachloride	Air	µg	275.04
1001	Silicon tetrafluoride	Air	µg	18.32
1002	Silthiofam	Soil	ng	72.65
1003	Silver	Air	µg	46.24
1004	Silver	Water	mg	30.67
1005	Silver	Soil	µg	12.18
1006	Silver-110	Air	µBq	65.69
1007	Silver-110	Water	Bq	4.07
1008	Silver, 0.007% in sulfide, Ag 0.004%, Pb, Zn, Cd, In	Raw	mg	5.96
1009	Silver, 3.2ppm in sulfide, Ag 1.2ppm, Cu and Te, in crude ore	Raw	ng	141.53
1010	Silver, Ag 1.5E-4%, Au 6.8E-4%, in ore	Raw	ng	129.45

1011	Silver, Ag 1.5E-5%, Au 5.4E-4%, in ore	Raw	ng	11.85
1012	Silver, Ag 1.8E-6%, in mixed ore	Raw	µg	1.02
1013	Silver, Ag 2.1E-4%, Au 2.1E-4%, in ore	Raw	µg	5.02
1014	Silver, Ag 4.2E-3%, Au 1.1E-4%, in ore	Raw	µg	528.21
1015	Silver, Ag 4.6E-5%, Au 1.3E-4%, in ore	Raw	µg	8.13
1016	Silver, Ag 5.4E-3%, in mixed ore	Raw	µg	95.22
1017	Silver, Ag 7.6E-5%, Au 9.7E-5%, in ore	Raw	µg	1.63
1018	Silver, Ag 9.7E-4%, Au 9.7E-4%, Zn 0.63%, Cu 0.38%, Pb 0.014%, in ore	Raw	mg	8.92
1019	Simazine	Soil	µg	152.52
1020	Sodium	Air	mg	74.99
1021	Sodium	Water	kg	4.44
1022	Sodium	Soil	mg	575.04
1023	Sodium-24	Water	mBq	213.31
1024	Sodium chlorate	Air	µg	138.64
1025	Sodium chlorate	Water	µg	1.65
1026	Sodium chloride	Raw	g	373.87
1027	Sodium dichromate	Air	µg	54.02
1028	Sodium formate	Air	µg	14.68
1029	Sodium formate	Water	µg	35.26
1030	Sodium hydroxide	Air	µg	48.77
1031	Sodium nitrate	Raw	ng	64.59
1032	Sodium sulfate	Raw	mg	56.13
1033	Sodium tetrahydroborate	Air	µg	1.55
1034	Solids, inorganic	Water	g	114.99
1035	Spinosad	Soil	µg	1.22
1036	Spiroxamine	Soil	µg	2.31
1037	Spodumene	Raw	µg	280.00
1038	Stibnite	Raw	µg	28.32
1039	Strontium	Raw	mg	4.21
1040	Strontium	Air	mg	433.51
1041	Strontium	Water	g	151.47
1042	Strontium	Soil	mg	5.30
1043	Strontium-89	Water	mBq	155.38
1044	Strontium-90	Water	Bq	23.84
1045	Styrene	Air	mg	15.45
1046	Sulfate	Air	mg	525.20
1047	Sulfate	Water	kg	30.62
1048	Sulfate	Soil	mg	19.09
1049	Sulfentrazone	Air	µg	1.08
1050	Sulfentrazone	Soil	µg	1.43
1051	Sulfide	Water	mg	1.96
1052	Sulfite	Water	mg	19.98
1053	Sulfosate	Soil	µg	5.70
1054	Sulfosulfuron	Soil	ng	19.42
1055	Sulfur	Raw	mg	503.75
1056	Sulfur	Water	mg	135.49
1057	Sulfur	Soil	mg	314.51
1058	Sulfur dioxide	Air	kg	1.98
1059	Sulfur hexafluoride	Air	mg	109.88
1060	Sulfur oxides	Air	µg	341.48
1061	Sulfur trioxide	Air	µg	35.10

1062	Sulfuric acid	Air	mg	1.29
1063	Sulfuric acid	Soil	µg	455.20
1064	Suspended solids, unspecified	Water	g	464.72
1065	t-Butyl methyl ether	Air	µg	280.07
1066	t-Butyl methyl ether	Water	µg	12.75
1067	t-Butylamine	Air	ng	512.25
1068	t-Butylamine	Water	µg	1.23
1069	Talc	Raw	mg	627.47
1070	Tantalum	Raw	mg	1.91
1071	Tebuconazole	Air	pg	0.29
1072	Tebuconazole	Water	pg	0.09
1073	Tebuconazole	Soil	µg	4.88
1074	Tebupirimphos	Soil	µg	8.82
1075	Tebutam	Soil	µg	128.33
1076	Technetium-99m	Water	mBq	174.51
1077	Teflubenzuron	Soil	µg	8.13
1078	Tefluthrin	Air	ng	9.24
1079	Tefluthrin	Water	pg	0.05
1080	Tefluthrin	Soil	µg	6.96
1081	Tellurium	Raw	ng	21.23
1082	Tellurium-123m	Water	mBq	33.67
1083	Tellurium-132	Water	mBq	1.77
1084	Terbacil	Soil	µg	104.11
1085	Terbufos	Soil	µg	392.97
1086	Terpenes	Air	µg	346.63
1087	Tetramethyl ammonium hydroxide	Air	µg	55.89
1088	Thallium	Air	µg	68.97
1089	Thallium	Water	mg	135.72
1090	Thallium	Soil	µg	5.34
1091	Thiamethoxam	Soil	µg	338.53
1092	Thiazole, 2-(thiocyanatemethylthio)benzo-	Soil	µg	37.61
1093	Thidiazuron	Soil	ng	701.63
1094	Thifensulfuron	Air	ng	15.34
1095	Thifensulfuron-methyl	Soil	ng	18.99
1096	Thiobencarb	Soil	ng	350.11
1097	Thiodicarb	Air	ng	54.66
1098	Thiodicarb	Soil	ng	2.34
1099	Thiram	Soil	µg	1.97
1100	Thorium	Air	µg	64.27
1101	Thorium-228	Air	Bq	23.87
1102	Thorium-228	Water	Bq	75.70
1103	Thorium-230	Air	Bq	7.70
1104	Thorium-230	Water	Bq	211.68
1105	Thorium-232	Air	Bq	34.80
1106	Thorium-232	Water	mBq	129.30
1107	Thorium-234	Air	Bq	7.48
1108	Thorium-234	Water	Bq	2.50
1109	Tin	Raw	mg	39.40
1110	Tin	Air	mg	12.19
1111	Tin	Water	mg	206.06
1112	Tin	Soil	µg	296.06
1113	TiO2, 54% in ilmenite, 18% in crude ore	Raw	mg	146.47

1114	TiO ₂ , 54% in ilmenite, 2.6% in crude ore	Raw	g	1.85
1115	TiO ₂ , 95% in rutile, 0.40% in crude ore	Raw	mg	285.32
1116	Titanium	Air	mg	38.30
1117	Titanium	Water	g	100.45
1118	Titanium	Soil	mg	30.55
1119	TOC, Total Organic Carbon	Water	g	72.17
1120	Toluene	Air	mg	849.56
1121	Toluene	Water	mg	62.42
1122	Toluene, 2-chloro-	Air	µg	4.03
1123	Toluene, 2-chloro-	Water	µg	8.28
1124	Tralkoxydim	Soil	µg	18.93
1125	Transformation, from annual crop	Raw	cm ²	358.93
1126	Transformation, from annual crop, greenhouse	Raw	mm ²	144.53
1127	Transformation, from annual crop, irrigated, intensive	Raw	cm ²	19.54
1128	Transformation, from annual crop, non-irrigated	Raw	mm ²	900.55
1129	Transformation, from annual crop, non-irrigated, extensive	Raw	cm ²	99.68
1130	Transformation, from annual crop, non-irrigated, intensive	Raw	cm ²	299.20
1131	Transformation, from cropland fallow (non-use)	Raw	mm ²	13.27
1132	Transformation, from dump site, inert material landfill	Raw	mm ²	669.32
1133	Transformation, from dump site, residual material landfill	Raw	cm ²	31.38
1134	Transformation, from dump site, sanitary landfill	Raw	mm ²	38.49
1135	Transformation, from dump site, slag compartment	Raw	mm ²	20.18
1136	Transformation, from forest, extensive	Raw	cm ²	12.11
1137	Transformation, from forest, intensive	Raw	cm ²	853.31
1138	Transformation, from forest, primary (non-use)	Raw	cm ²	22.06
1139	Transformation, from forest, secondary (non-use)	Raw	mm ²	291.97
1140	Transformation, from forest, unspecified	Raw	cm ²	103.07
1141	Transformation, from grassland, natural (non-use)	Raw	mm ²	98.57
1142	Transformation, from grassland, natural, for livestock grazing	Raw	cm ²	23.72
1143	Transformation, from heterogeneous, agricultural	Raw	mm ²	0.10
1144	Transformation, from industrial area	Raw	mm ²	149.24
1145	Transformation, from mineral extraction site	Raw	mm ²	635.40
1146	Transformation, from pasture, man made	Raw	cm ²	98.60
1147	Transformation, from pasture, man made, extensive	Raw	mm ²	1.23
1148	Transformation, from pasture, man made, intensive	Raw	cm ²	51.92
1149	Transformation, from permanent crop	Raw	mm ²	120.18
1150	Transformation, from permanent crop, irrigated	Raw	cm ²	10.38
1151	Transformation, from permanent crop, irrigated, intensive	Raw	mm ²	503.72
1152	Transformation, from permanent crop, non-irrigated, intensive	Raw	mm ²	74.54
1153	Transformation, from seabed, infrastructure	Raw	mm ²	0.08
1154	Transformation, from seabed, unspecified	Raw	cm ²	16.10
1155	Transformation, from shrub land, sclerophyllous	Raw	cm ²	71.40
1156	Transformation, from traffic area, rail/road embankment	Raw	cm ²	15.41
1157	Transformation, from traffic area, road network	Raw	mm ²	0.03
1158	Transformation, from unknown	Raw	dm ²	11.49
1159	Transformation, from unspecified, natural (non-use)	Raw	mm ²	1.04
1160	Transformation, from wetland, inland (non-use)	Raw	mm ²	0.62

1161	Transformation, to annual crop	Raw	cm2	254.91
1162	Transformation, to annual crop, fallow	Raw	mm2	17.76
1163	Transformation, to annual crop, greenhouse	Raw	mm2	144.53
1164	Transformation, to annual crop, irrigated, extensive	Raw	mm2	103.01
1165	Transformation, to annual crop, irrigated, intensive	Raw	cm2	33.44
1166	Transformation, to annual crop, non-irrigated	Raw	mm2	161.31
1167	Transformation, to annual crop, non-irrigated, extensive	Raw	cm2	101.20
1168	Transformation, to annual crop, non-irrigated, intensive	Raw	cm2	402.57
1169	Transformation, to dump site	Raw	cm2	219.96
1170	Transformation, to dump site, inert material landfill	Raw	mm2	669.32
1171	Transformation, to dump site, residual material landfill	Raw	cm2	31.38
1172	Transformation, to dump site, sanitary landfill	Raw	mm2	38.49
1173	Transformation, to dump site, slag compartment	Raw	mm2	20.18
1174	Transformation, to forest, extensive	Raw	mm2	228.21
1175	Transformation, to forest, intensive	Raw	cm2	862.56
1176	Transformation, to forest, secondary (non-use)	Raw	mm2	0.03
1177	Transformation, to forest, unspecified	Raw	cm2	41.23
1178	Transformation, to grassland, natural (non-use)	Raw	cm2	20.26
1179	Transformation, to heterogeneous, agricultural	Raw	mm2	256.93
1180	Transformation, to industrial area	Raw	cm2	368.83
1181	Transformation, to inland waterbody, unspecified	Raw	mm2	0.24
1182	Transformation, to mineral extraction site	Raw	cm2	283.59
1183	Transformation, to pasture, man made	Raw	mm2	39.98
1184	Transformation, to pasture, man made, extensive	Raw	mm2	1.23
1185	Transformation, to pasture, man made, intensive	Raw	cm2	47.46
1186	Transformation, to permanent crop	Raw	mm2	430.53
1187	Transformation, to permanent crop, irrigated	Raw	cm2	10.38
1188	Transformation, to permanent crop, irrigated, intensive	Raw	mm2	503.72
1189	Transformation, to permanent crop, non-irrigated	Raw	mm2	0.03
1190	Transformation, to permanent crop, non-irrigated, intensive	Raw	mm2	74.54
1191	Transformation, to seabed, drilling and mining	Raw	cm2	16.07
1192	Transformation, to seabed, infrastructure	Raw	mm2	2.91
1193	Transformation, to seabed, unspecified	Raw	mm2	0.08
1194	Transformation, to shrub land, sclerophyllous	Raw	cm2	38.66
1195	Transformation, to traffic area, rail network	Raw	mm2	700.99
1196	Transformation, to traffic area, rail/road embankment	Raw	cm2	24.18
1197	Transformation, to traffic area, road network	Raw	cm2	33.43
1198	Transformation, to unknown	Raw	mm2	256.30
1199	Transformation, to urban, discontinuously built	Raw	mm2	7.10
1200	Transformation, to urban/industrial fallow	Raw	mm2	1.08
1201	Transformation, to water bodies, artificial	Raw	cm2	445.92
1202	Transformation, to wetland, inland (non-use)	Raw	mm2	0.11
1203	Triadimenol	Soil	ng	136.23
1204	Triallate	Soil	ng	43.70
1205	Triasulfuron	Soil	ng	12.95
1206	Tribenuron	Soil	ng	13.02
1207	Tribenuron-methyl	Soil	ng	452.15
1208	Tribufos	Soil	µg	6.56
1209	Tributyltin compounds	Water	mg	6.59
1210	Trichlorfon	Soil	ng	1.94

1211	Triclopyr	Soil	µg	8.27
1212	Triethylene glycol	Water	µg	711.35
1213	Trifloxystrobin	Air	ng	9.81
1214	Trifloxystrobin	Water	pg	0.00
1215	Trifloxystrobin	Soil	µg	1.47
1216	Trifluralin	Air	µg	15.50
1217	Trifluralin	Soil	µg	76.40
1218	Triforine	Soil	µg	2.23
1219	Trimethylamine	Air	ng	211.58
1220	Trimethylamine	Water	ng	507.80
1221	Trinexapac-ethyl	Soil	µg	16.42
1222	Trioctyltin	Water	pg	0.57
1223	Triphenyltin	Water	pg	0.24
1224	Trisodium phosphate	Air	µg	1.74
1225	Tungsten	Air	µg	119.60
1226	Tungsten	Water	mg	723.26
1227	Ulexite	Raw	mg	101.88
1228	Uranium	Raw	mg	592.58
1229	Uranium	Air	µg	85.42
1230	Uranium-234	Air	Bq	15.50
1231	Uranium-234	Water	Bq	2.89
1232	Uranium-235	Air	mBq	51.66
1233	Uranium-235	Water	Bq	3.23
1234	Uranium-238	Air	Bq	115.16
1235	Uranium-238	Water	Bq	6.69
1236	Uranium alpha	Air	Bq	5.94
1237	Uranium alpha	Water	Bq	97.62
1238	Urea	Water	µg	2.49
1239	Vanadium	Air	mg	140.36
1240	Vanadium	Water	g	9.01
1241	Vanadium	Soil	mg	2.23
1242	Vermiculite	Raw	g	1.18
1243	Vinclozolin	Soil	ng	84.71
1244	VOC, volatile organic compounds, unspecified origin	Air	µg	5.07
1245	VOC, volatile organic compounds, unspecified origin	Water	mg	138.98
1246	Volume occupied, final repository for low-active radioactive waste	Raw	cm3	2.39
1247	Volume occupied, final repository for radioactive waste	Raw	mm3	177.26
1248	Volume occupied, reservoir	Raw	m3y	6.60
1249	Volume occupied, underground deposit	Raw	mm3	625.42
1250	Water, AR	Water	cm3	25.70
1251	Water, AT	Water	m3	1.61
1252	Water, AU	Water	m3	3.88
1253	Water, BA	Water	l	357.05
1254	Water, BE	Water	l	21.50
1255	Water, BG	Water	l	206.61
1256	Water, BR	Water	m3	1.94
1257	Water, CA	Water	m3	2.74
1258	Water, CH	Water	m3	4.74
1259	Water, CI	Water	cm3	58.00
1260	Water, CL	Water	l	631.60
1261	Water, CN	Water	m3	25.67

1262	Water, CO	Water	cm3	1.89
1263	Water, cooling, unspecified natural origin, AT	Raw	cm3	585.14
1264	Water, cooling, unspecified natural origin, AU	Raw	l	50.56
1265	Water, cooling, unspecified natural origin, BA	Raw	cm3	547.46
1266	Water, cooling, unspecified natural origin, BE	Raw	l	2.93
1267	Water, cooling, unspecified natural origin, BG	Raw	l	3.50
1268	Water, cooling, unspecified natural origin, BR	Raw	l	4.72
1269	Water, cooling, unspecified natural origin, CA	Raw	l	16.18
1270	Water, cooling, unspecified natural origin, CH	Raw	l	14.35
1271	Water, cooling, unspecified natural origin, CL	Raw	l	1.26
1272	Water, cooling, unspecified natural origin, CN	Raw	l	153.10
1273	Water, cooling, unspecified natural origin, CY	Raw	cm3	157.14
1274	Water, cooling, unspecified natural origin, CZ	Raw	l	25.86
1275	Water, cooling, unspecified natural origin, DE	Raw	l	28.52
1276	Water, cooling, unspecified natural origin, DK	Raw	cm3	729.42
1277	Water, cooling, unspecified natural origin, EE	Raw	cm3	985.53
1278	Water, cooling, unspecified natural origin, ES	Raw	l	7.57
1279	Water, cooling, unspecified natural origin, Europe without Switzerland	Raw	l	3.78
1280	Water, cooling, unspecified natural origin, FI	Raw	l	2.17
1281	Water, cooling, unspecified natural origin, FR	Raw	l	43.53
1282	Water, cooling, unspecified natural origin, GB	Raw	l	10.86
1283	Water, cooling, unspecified natural origin, GLO	Raw	l	7.06
1284	Water, cooling, unspecified natural origin, GR	Raw	l	6.42
1285	Water, cooling, unspecified natural origin, HR	Raw	cm3	229.94
1286	Water, cooling, unspecified natural origin, HU	Raw	l	1.73
1287	Water, cooling, unspecified natural origin, IAI Area, Africa	Raw	cm3	1.91
1288	Water, cooling, unspecified natural origin, IAI Area, Asia, without China and GCC	Raw	mm3	1.46
1289	Water, cooling, unspecified natural origin, IAI Area, EU27 & EFTA	Raw	cm3	9.10
1290	Water, cooling, unspecified natural origin, IAI Area, Gulf Cooperation Council	Raw	mm3	2.49
1291	Water, cooling, unspecified natural origin, IAI Area, Russia & RER w/o EU27 & EFTA	Raw	cm3	10.17
1292	Water, cooling, unspecified natural origin, IAI Area, South America	Raw	cm3	1.42
1293	Water, cooling, unspecified natural origin, ID	Raw	l	57.28
1294	Water, cooling, unspecified natural origin, IE	Raw	cm3	707.99
1295	Water, cooling, unspecified natural origin, IN	Raw	m3	36.32
1296	Water, cooling, unspecified natural origin, IR	Raw	l	11.30
1297	Water, cooling, unspecified natural origin, IS	Raw	mm3	375.94
1298	Water, cooling, unspecified natural origin, IT	Raw	l	6.85
1299	Water, cooling, unspecified natural origin, JP	Raw	l	21.58
1300	Water, cooling, unspecified natural origin, KR	Raw	l	17.64
1301	Water, cooling, unspecified natural origin, LT	Raw	cm3	171.77
1302	Water, cooling, unspecified natural origin, LU	Raw	cm3	84.28
1303	Water, cooling, unspecified natural origin, LV	Raw	cm3	218.78
1304	Water, cooling, unspecified natural origin, MA	Raw	cm3	22.14
1305	Water, cooling, unspecified natural origin, MK	Raw	cm3	271.53
1306	Water, cooling, unspecified natural origin, MT	Raw	cm3	142.79
1307	Water, cooling, unspecified natural origin, MX	Raw	l	6.22
1308	Water, cooling, unspecified natural origin, MY	Raw	l	4.10

1309	Water, cooling, unspecified natural origin, NL	Raw	l	3.79
1310	Water, cooling, unspecified natural origin, NO	Raw	cm3	159.05
1311	Water, cooling, unspecified natural origin, NP	Raw	mm3	37.91
1312	Water, cooling, unspecified natural origin, OCE	Raw	mm3	140.41
1313	Water, cooling, unspecified natural origin, PE	Raw	cm3	829.80
1314	Water, cooling, unspecified natural origin, PH	Raw	mm3	475.08
1315	Water, cooling, unspecified natural origin, PL	Raw	l	28.87
1316	Water, cooling, unspecified natural origin, PT	Raw	cm3	751.18
1317	Water, cooling, unspecified natural origin, RER	Raw	l	51.60
1318	Water, cooling, unspecified natural origin, RNA	Raw	cm3	11.82
1319	Water, cooling, unspecified natural origin, RO	Raw	l	5.64
1320	Water, cooling, unspecified natural origin, RoW	Raw	l	205.61
1321	Water, cooling, unspecified natural origin, RS	Raw	l	6.19
1322	Water, cooling, unspecified natural origin, RU	Raw	l	117.75
1323	Water, cooling, unspecified natural origin, SA	Raw	l	10.27
1324	Water, cooling, unspecified natural origin, SE	Raw	l	4.69
1325	Water, cooling, unspecified natural origin, SI	Raw	l	3.74
1326	Water, cooling, unspecified natural origin, SK	Raw	l	4.49
1327	Water, cooling, unspecified natural origin, TH	Raw	l	3.80
1328	Water, cooling, unspecified natural origin, TR	Raw	l	6.62
1329	Water, cooling, unspecified natural origin, TW	Raw	l	6.31
1330	Water, cooling, unspecified natural origin, TZ	Raw	cm3	153.23
1331	Water, cooling, unspecified natural origin, UA	Raw	l	10.06
1332	Water, cooling, unspecified natural origin, US	Raw	l	111.41
1333	Water, cooling, unspecified natural origin, WEU	Raw	mm3	101.24
1334	Water, cooling, unspecified natural origin, ZA	Raw	l	1.82
1335	Water, CR	Water	mm3	670.05
1336	Water, CY	Water	cm3	156.17
1337	Water, CZ	Water	l	90.66
1338	Water, DE	Water	l	860.19
1339	Water, DK	Water	cm3	920.59
1340	Water, EC	Water	cm3	7.61
1341	Water, EE	Water	l	2.37
1342	Water, ES	Water	m3	1.10
1343	Water, Europe without Switzerland	Water	l	2.47
1344	Water, Europe, without Russia and Turkey	Water	cm3	147.24
1345	Water, FI	Water	l	364.38
1346	Water, FR	Water	m3	4.34
1347	Water, GB	Water	l	193.46
1348	Water, GH	Water	cm3	56.91
1349	Water, GLO	Water	l	18.37
1350	Water, GR	Water	l	194.34
1351	Water, HN	Water	mm3	71.37
1352	Water, HR	Water	l	17.23
1353	Water, HU	Water	l	13.83
1354	Water, IAI Area, Africa	Water	cm3	163.55
1355	Water, IAI Area, Asia, without China and GCC	Water	cm3	209.55
1356	Water, IAI Area, EU27 & EFTA	Water	cm3	583.83
1357	Water, IAI Area, Gulf Cooperation Council	Water	cm3	872.32
1358	Water, IAI Area, Russia & RER w/o EU27 & EFTA	Water	cm3	415.27
1359	Water, IAI Area, South America	Water	cm3	71.81
1360	Water, ID	Water	l	697.22

1361	Water, IE	Water	l	27.38
1362	Water, IL	Water	mm3	249.69
1363	Water, IN	Water	m3	5213.24
1364	Water, IR	Water	l	432.25
1365	Water, IS	Water	l	402.22
1366	Water, IT	Water	l	773.36
1367	Water, JP	Water	m3	1.60
1368	Water, KR	Water	l	82.97
1369	Water, lake, CA	Raw	cm3	245.79
1370	Water, lake, CH	Raw	cm3	123.58
1371	Water, lake, CN	Raw	mm3	1.55
1372	Water, lake, DE	Raw	mm3	879.75
1373	Water, lake, Europe without Switzerland	Raw	cm3	187.89
1374	Water, lake, GLO	Raw	mm3	728.05
1375	Water, lake, RER	Raw	mm3	592.51
1376	Water, lake, RNA	Raw	mm3	0.44
1377	Water, lake, RoW	Raw	l	3.40
1378	Water, lake, SE	Raw	mm3	1.03
1379	Water, lake, US	Raw	mm3	0.43
1380	Water, LT	Water	l	16.82
1381	Water, LU	Water	l	12.64
1382	Water, LV	Water	l	93.75
1383	Water, MA	Water	cm3	14.62
1384	Water, MK	Water	l	11.03
1385	Water, MT	Water	cm3	142.31
1386	Water, MX	Water	m3	1.06
1387	Water, MY	Water	l	71.62
1388	Water, NL	Water	l	8.19
1389	Water, NO	Water	l	153.49
1390	Water, NORDEL	Water	mm3	377.76
1391	Water, NP	Water	l	99.05
1392	Water, NZ	Water	mm3	5.23
1393	Water, OCE	Water	cm3	29.03
1394	Water, PE	Water	l	11.12
1395	Water, PG	Water	cm3	2.84
1396	Water, PH	Water	cm3	26.95
1397	Water, PL	Water	l	112.95
1398	Water, PT	Water	l	452.17
1399	Water, RAF	Water	cm3	777.96
1400	Water, RAS	Water	cm3	806.01
1401	Water, RER	Water	l	50.65
1402	Water, river, AT	Raw	mm3	77.13
1403	Water, river, AU	Raw	cm3	78.26
1404	Water, river, BE	Raw	mm3	333.21
1405	Water, river, BG	Raw	mm3	104.85
1406	Water, river, BR	Raw	cm3	458.94
1407	Water, river, CA	Raw	l	2.98
1408	Water, river, CH	Raw	l	1.60
1409	Water, river, CN	Raw	l	1.72
1410	Water, river, CZ	Raw	mm3	1.28
1411	Water, river, DE	Raw	cm3	120.26

1412	Water, river, DK	Raw	mm3	193.81
1413	Water, river, ES	Raw	cm3	121.79
1414	Water, river, Europe without Switzerland	Raw	l	3.54
1415	Water, river, FI	Raw	mm3	68.78
1416	Water, river, FR	Raw	cm3	20.23
1417	Water, river, GB	Raw	cm3	1.01
1418	Water, river, GLO	Raw	l	1.17
1419	Water, river, HU	Raw	mm3	61.73
1420	Water, river, IN	Raw	cm3	795.33
1421	Water, river, IT	Raw	cm3	2.21
1422	Water, river, JP	Raw	mm3	0.01
1423	Water, river, KR	Raw	cm3	216.96
1424	Water, river, LU	Raw	mm3	0.88
1425	Water, river, MY	Raw	cm3	55.70
1426	Water, river, NL	Raw	mm3	345.34
1427	Water, river, NO	Raw	mm3	29.43
1428	Water, river, PE	Raw	mm3	28.59
1429	Water, river, PH	Raw	cm3	256.46
1430	Water, river, PL	Raw	mm3	16.57
1431	Water, river, PT	Raw	mm3	59.95
1432	Water, river, RAS	Raw	l	1.64
1433	Water, river, RER	Raw	l	485.67
1434	Water, river, RLA	Raw	cm3	428.76
1435	Water, river, RNA	Raw	cm3	763.97
1436	Water, river, RO	Raw	cm3	215.00
1437	Water, river, RoW	Raw	m3	1.25
1438	Water, river, RU	Raw	cm3	108.33
1439	Water, river, SE	Raw	cm3	1.98
1440	Water, river, SK	Raw	mm3	0.28
1441	Water, river, TN	Raw	cm3	4.02
1442	Water, river, TZ	Raw	mm3	437.79
1443	Water, river, US	Raw	cm3	854.04
1444	Water, river, WEU	Raw	mm3	0.01
1445	Water, river, ZA	Raw	l	2.43
1446	Water, RLA	Water	cm3	900.16
1447	Water, RME	Water	l	7.65
1448	Water, RNA	Water	l	3.62
1449	Water, RO	Water	l	879.75
1450	Water, RoW	Water	m3	35.71
1451	Water, RS	Water	l	385.81
1452	Water, RU	Water	m3	8.54
1453	Water, SA	Water	l	10.31
1454	Water, salt, ocean	Raw	l	11.16
1455	Water, salt, sole	Raw	l	4.66
1456	Water, SE	Water	m3	2.41
1457	Water, SI	Water	l	366.43
1458	Water, SK	Water	l	210.71
1459	Water, TH	Water	l	30.82
1460	Water, TR	Water	l	679.03
1461	Water, turbine use, unspecified natural origin, AT	Raw	m3	1.61
1462	Water, turbine use, unspecified natural origin, AU	Raw	m3	3.81
1463	Water, turbine use, unspecified natural origin, BA	Raw	l	356.63

1464	Water, turbine use, unspecified natural origin, BE	Raw	l	18.65
1465	Water, turbine use, unspecified natural origin, BG	Raw	l	203.42
1466	Water, turbine use, unspecified natural origin, BR	Raw	m3	1.94
1467	Water, turbine use, unspecified natural origin, CA	Raw	m3	2.73
1468	Water, turbine use, unspecified natural origin, CH	Raw	m3	4.73
1469	Water, turbine use, unspecified natural origin, CL	Raw	l	630.33
1470	Water, turbine use, unspecified natural origin, CN	Raw	m3	25.51
1471	Water, turbine use, unspecified natural origin, CZ	Raw	l	65.70
1472	Water, turbine use, unspecified natural origin, DE	Raw	l	833.02
1473	Water, turbine use, unspecified natural origin, DK	Raw	cm3	661.58
1474	Water, turbine use, unspecified natural origin, EE	Raw	l	1.41
1475	Water, turbine use, unspecified natural origin, ES	Raw	m3	1.09
1476	Water, turbine use, unspecified natural origin, FI	Raw	l	362.51
1477	Water, turbine use, unspecified natural origin, FR	Raw	m3	4.30
1478	Water, turbine use, unspecified natural origin, GB	Raw	l	182.55
1479	Water, turbine use, unspecified natural origin, GLO	Raw	cm3	8.16
1480	Water, turbine use, unspecified natural origin, GR	Raw	l	188.03
1481	Water, turbine use, unspecified natural origin, HR	Raw	l	17.28
1482	Water, turbine use, unspecified natural origin, HU	Raw	l	12.12
1483	Water, turbine use, unspecified natural origin, ID	Raw	l	532.96
1484	Water, turbine use, unspecified natural origin, IE	Raw	l	26.66
1485	Water, turbine use, unspecified natural origin, IN	Raw	m3	5176.7 2
1486	Water, turbine use, unspecified natural origin, IR	Raw	l	420.82
1487	Water, turbine use, unspecified natural origin, IS	Raw	l	403.68
1488	Water, turbine use, unspecified natural origin, IT	Raw	l	768.07
1489	Water, turbine use, unspecified natural origin, JP	Raw	m3	1.58
1490	Water, turbine use, unspecified natural origin, KR	Raw	l	65.89
1491	Water, turbine use, unspecified natural origin, LT	Raw	l	16.67
1492	Water, turbine use, unspecified natural origin, LU	Raw	l	12.55
1493	Water, turbine use, unspecified natural origin, LV	Raw	l	93.53
1494	Water, turbine use, unspecified natural origin, MK	Raw	l	10.78
1495	Water, turbine use, unspecified natural origin, MX	Raw	m3	1.05
1496	Water, turbine use, unspecified natural origin, MY	Raw	l	67.67
1497	Water, turbine use, unspecified natural origin, NL	Raw	l	4.83
1498	Water, turbine use, unspecified natural origin, NO	Raw	l	158.55
1499	Water, turbine use, unspecified natural origin, NP	Raw	l	99.05
1500	Water, turbine use, unspecified natural origin, PE	Raw	l	10.65
1501	Water, turbine use, unspecified natural origin, PL	Raw	l	88.01
1502	Water, turbine use, unspecified natural origin, PT	Raw	l	451.56
1503	Water, turbine use, unspecified natural origin, RER	Raw	cm3	364.16
1504	Water, turbine use, unspecified natural origin, RNA	Raw	mm3	310.32
1505	Water, turbine use, unspecified natural origin, RO	Raw	l	874.43
1506	Water, turbine use, unspecified natural origin, RoW	Raw	m3	35.49
1507	Water, turbine use, unspecified natural origin, RS	Raw	l	379.83
1508	Water, turbine use, unspecified natural origin, RU	Raw	m3	8.43
1509	Water, turbine use, unspecified natural origin, SE	Raw	m3	2.41
1510	Water, turbine use, unspecified natural origin, SI	Raw	l	362.76
1511	Water, turbine use, unspecified natural origin, SK	Raw	l	206.45
1512	Water, turbine use, unspecified natural origin, TH	Raw	l	27.05
1513	Water, turbine use, unspecified natural origin, TR	Raw	l	672.75
1514	Water, turbine use, unspecified natural origin, TW	Raw	l	119.40

1515	Water, turbine use, unspecified natural origin, TZ	Raw	l	13.51
1516	Water, turbine use, unspecified natural origin, UA	Raw	l	319.25
1517	Water, turbine use, unspecified natural origin, US	Raw	m3	6.67
1518	Water, turbine use, unspecified natural origin, ZA	Raw	l	17.76
1519	Water, TW	Water	l	125.63
1520	Water, TZ	Water	l	13.62
1521	Water, UA	Water	l	329.32
1522	Water, UCTE	Water	mm3	53.05
1523	Water, UCTE without Germany	Water	mm3	4.58
1524	Water, unspecified natural origin, AT	Raw	mm3	49.24
1525	Water, unspecified natural origin, AU	Raw	mm3	0.65
1526	Water, unspecified natural origin, BE	Raw	mm3	428.55
1527	Water, unspecified natural origin, BG	Raw	mm3	26.51
1528	Water, unspecified natural origin, BR	Raw	mm3	729.12
1529	Water, unspecified natural origin, CA	Raw	cm3	117.98
1530	Water, unspecified natural origin, CH	Raw	l	5.43
1531	Water, unspecified natural origin, CL	Raw	mm3	3.14
1532	Water, unspecified natural origin, CN	Raw	cm3	367.88
1533	Water, unspecified natural origin, CO	Raw	mm3	109.81
1534	Water, unspecified natural origin, CZ	Raw	mm3	116.88
1535	Water, unspecified natural origin, DE	Raw	cm3	1.61
1536	Water, unspecified natural origin, DK	Raw	mm3	49.05
1537	Water, unspecified natural origin, EE	Raw	mm3	5.97
1538	Water, unspecified natural origin, ES	Raw	mm3	207.14
1539	Water, unspecified natural origin, Europe without Switzerland	Raw	cm3	485.66
1540	Water, unspecified natural origin, FI	Raw	mm3	79.23
1541	Water, unspecified natural origin, FR	Raw	mm3	718.86
1542	Water, unspecified natural origin, GB	Raw	mm3	265.67
1543	Water, unspecified natural origin, GLO	Raw	l	5.99
1544	Water, unspecified natural origin, HN	Raw	mm3	71.37
1545	Water, unspecified natural origin, HU	Raw	mm3	24.76
1546	Water, unspecified natural origin, IAI Area, Africa	Raw	cm3	21.02
1547	Water, unspecified natural origin, IAI Area, Asia, without China and GCC	Raw	cm3	37.15
1548	Water, unspecified natural origin, IAI Area, EU27 & EFTA	Raw	cm3	98.39
1549	Water, unspecified natural origin, IAI Area, Gulf Cooperation Council	Raw	cm3	1.88
1550	Water, unspecified natural origin, IAI Area, Russia & RER w/o EU27 & EFTA	Raw	cm3	151.61
1551	Water, unspecified natural origin, IAI Area, South America	Raw	cm3	41.70
1552	Water, unspecified natural origin, ID	Raw	mm3	173.98
1553	Water, unspecified natural origin, IN	Raw	l	27.99
1554	Water, unspecified natural origin, IT	Raw	mm3	873.58
1555	Water, unspecified natural origin, JP	Raw	cm3	1.67
1556	Water, unspecified natural origin, KR	Raw	mm3	559.06
1557	Water, unspecified natural origin, LU	Raw	mm3	0.34
1558	Water, unspecified natural origin, MX	Raw	mm3	0.74
1559	Water, unspecified natural origin, NL	Raw	mm3	515.35
1560	Water, unspecified natural origin, NO	Raw	mm3	26.37
1561	Water, unspecified natural origin, OCE	Raw	cm3	41.74

1562	Water, unspecified natural origin, PG	Raw	mm3	346.96
1563	Water, unspecified natural origin, PH	Raw	mm3	118.77
1564	Water, unspecified natural origin, PL	Raw	mm3	85.18
1565	Water, unspecified natural origin, PT	Raw	mm3	15.17
1566	Water, unspecified natural origin, RAF	Raw	cm3	915.24
1567	Water, unspecified natural origin, RER	Raw	l	5.25
1568	Water, unspecified natural origin, RER w/o CH+DE	Raw	mm3	0.02
1569	Water, unspecified natural origin, RLA	Raw	cm3	52.83
1570	Water, unspecified natural origin, RME	Raw	l	9.00
1571	Water, unspecified natural origin, RNA	Raw	cm3	405.80
1572	Water, unspecified natural origin, RoW	Raw	l	70.13
1573	Water, unspecified natural origin, RU	Raw	l	1.28
1574	Water, unspecified natural origin, SE	Raw	mm3	173.58
1575	Water, unspecified natural origin, SK	Raw	mm3	2.54
1576	Water, unspecified natural origin, TH	Raw	mm3	0.53
1577	Water, unspecified natural origin, TR	Raw	mm3	96.43
1578	Water, unspecified natural origin, TW	Raw	mm3	4.72
1579	Water, unspecified natural origin, UA	Raw	mm3	32.41
1580	Water, unspecified natural origin, US	Raw	cm3	350.85
1581	Water, unspecified natural origin, VN	Raw	mm3	324.20
1582	Water, unspecified natural origin, WEU	Raw	mm3	11.04
1583	Water, unspecified natural origin, ZA	Raw	cm3	994.99
1584	Water, US	Water	m3	6.78
1585	Water, VN	Water	cm3	5.43
1586	Water, well, AT	Raw	mm3	0.18
1587	Water, well, AU	Raw	l	28.39
1588	Water, well, BE	Raw	mm3	0.76
1589	Water, well, BG	Raw	mm3	0.08
1590	Water, well, BR	Raw	cm3	106.02
1591	Water, well, CA	Raw	cm3	237.22
1592	Water, well, CH	Raw	cm3	408.31
1593	Water, well, CN	Raw	l	6.74
1594	Water, well, CZ	Raw	mm3	0.00
1595	Water, well, DE	Raw	cm3	55.90
1596	Water, well, DK	Raw	mm3	0.15
1597	Water, well, ES	Raw	cm3	71.77
1598	Water, well, Europe without Switzerland	Raw	cm3	677.04
1599	Water, well, Europe, without Russia and Turkey	Raw	cm3	132.48
1600	Water, well, FI	Raw	mm3	0.05
1601	Water, well, FR	Raw	cm3	15.44
1602	Water, well, GB	Raw	mm3	0.77
1603	Water, well, GLO	Raw	cm3	650.71
1604	Water, well, HU	Raw	mm3	0.05
1605	Water, well, ID	Raw	l	109.01
1606	Water, well, IN	Raw	m3	1.01
1607	Water, well, IS	Raw	mm3	0.73
1608	Water, well, IT	Raw	mm3	2.46
1609	Water, well, JP	Raw	mm3	0.36
1610	Water, well, LU	Raw	mm3	0.00
1611	Water, well, MA	Raw	cm3	1.61
1612	Water, well, MX	Raw	mm3	0.81
1613	Water, well, MY	Raw	cm3	4.84

1614	Water, well, NL	Raw	mm3	0.63
1615	Water, well, NO	Raw	mm3	0.02
1616	Water, well, NORDEL	Raw	mm3	444.42
1617	Water, well, PE	Raw	mm3	46.35
1618	Water, well, PG	Raw	cm3	3.00
1619	Water, well, PH	Raw	cm3	40.09
1620	Water, well, PL	Raw	mm3	0.01
1621	Water, well, PT	Raw	mm3	0.07
1622	Water, well, RER	Raw	l	1.76
1623	Water, well, RLA	Raw	cm3	692.00
1624	Water, well, RNA	Raw	l	2.03
1625	Water, well, RoW	Raw	l	19.89
1626	Water, well, RU	Raw	l	1.99
1627	Water, well, SE	Raw	mm3	278.71
1628	Water, well, SK	Raw	mm3	0.00
1629	Water, well, TH	Raw	mm3	0.00
1630	Water, well, TN	Raw	cm3	6.19
1631	Water, well, TR	Raw	mm3	4.66
1632	Water, well, US	Raw	l	1.32
1633	Water, well, WEU	Raw	mm3	0.27
1634	Water, well, ZA	Raw	l	2.73
1635	Water, WEU	Water	mm3	71.01
1636	Water, ZA	Water	l	21.68
1637	Water/m3	Air	m3	2.71
1638	Water/m3	Water	cm3	79.18
1639	Wood, hard, standing	Raw	l	6.08
1640	Wood, soft, standing	Raw	cm3	437.49
1641	Wood, unspecified, standing/m3	Raw	mm3	22.65
1642	Xenon	Raw	µg	89.70
1643	Xenon-131m	Air	Bq	96.80
1644	Xenon-133	Air	kBq	13.94
1645	Xenon-133m	Air	Bq	3.39
1646	Xenon-135	Air	kBq	4.28
1647	Xenon-135m	Air	Bq	894.65
1648	Xenon-137	Air	Bq	28.34
1649	Xenon-138	Air	Bq	211.18
1650	Xylene	Air	g	4.30
1651	Xylene	Water	mg	45.68
1652	Zeta-cypermethrin	Air	ng	64.62
1653	Zeta-cypermethrin	Soil	ng	2.77
1654	Zinc	Raw	g	7.35
1655	Zinc	Air	mg	392.27
1656	Zinc	Water	g	43.20
1657	Zinc	Soil	mg	67.19
1658	Zinc-65	Air	µBq	228.29
1659	Zinc-65	Water	mBq	793.41
1660	Zinc, Zn 0.63%, Au 9.7E-4%, Ag 9.7E-4%, Cu 0.38%, Pb 0.014%, in ore	Raw	g	1.13
1661	Zinc, Zn 3.1%, in mixed ore	Raw	mg	54.07
1662	Zirconium	Raw	mg	276.74
1663	Zirconium	Air	ng	723.68
1664	Zirconium-95	Air	mBq	1.22

1665	Zirconium-95	Water	Bq	1.47
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Table S7. Inventory of emissions for lipid to Biodiesel process: CML-IA baseline V3.05 / EU25 (compartment: all compartments, per sub-compartment: no, default units: no, exclude infrastructure processes: no, sort order: descending).

No	Substance	Compartment	Unit	Total
1	1-Butanol	Air	ng	124.12
2	1-Butanol	Water	µg	5.11
3	1-Pentanol	Air	ng	22.95
4	1-Pentanol	Water	ng	55.08
5	1-Pentene	Air	ng	28.14
6	1-Pentene	Water	ng	41.62
7	1-Propanol	Air	mg	1.87
8	1-Propanol	Water	ng	65.61
9	1,3-Dioxolan-2-one	Water	µg	16.50
10	1,4-Butanediol	Air	ng	83.82
11	1,4-Butanediol	Water	ng	173.07
12	2-Aminopropanol	Air	ng	15.74
13	2-Aminopropanol	Water	ng	38.00
14	2-Butene, 2-methyl-	Air	pg	112.88
15	2-Butene, 2-methyl-	Water	pg	270.92
16	2-Chlorobenzaldehyde	Water	ng	10.24
17	2-Methyl-1-propanol	Air	ng	38.08
18	2-Methyl-1-propanol	Water	ng	91.38
19	2-Methyl-4-chlorophenoxyacetic acid	Air	ng	1.60
20	2-Methyl-4-chlorophenoxyacetic acid	Water	ng	3.77
21	2-Methyl-4-chlorophenoxyacetic acid	Soil	µg	5.95
22	2-Nitrobenzoic acid	Air	ng	11.93
23	2-Propanol	Air	µg	600.57
24	2-Propanol	Water	µg	9.04
25	2,4-D	Air	ng	499.34
26	2,4-D	Soil	µg	41.11
27	2,4-D ester	Air	ng	8.94
28	2,4-D ester	Water	ng	1.05
29	2,4-D ester	Soil	ng	41.07

30	2,4-D, dimethylamine salt	Air	pg	765.65
31	2,4-D, dimethylamine salt	Water	ng	4.78
32	2,4-D, dimethylamine salt	Soil	ng	152.71
33	2,4-di-tert-butylphenol	Water	ng	46.19
34	4-Methyl-2-pentanol	Water	pg	0.33
35	4-Methyl-2-pentanone	Air	ng	2.38
36	4-Methyl-2-pentanone	Water	µg	1.78
37	Abamectin	Soil	ng	34.72
38	Acenaphthene	Air	µg	3.70
39	Acenaphthene	Water	µg	1.90
40	Acenaphthylene	Air	ng	7.66
41	Acenaphthylene	Water	ng	11.93
42	Acephate	Air	ng	53.08
43	Acephate	Soil	µg	4.48
44	Acetaldehyde	Air	mg	2.70
45	Acetaldehyde	Water	µg	25.30
46	Acetamide	Air	ng	13.07
47	Acetamide	Soil	ng	924.48
48	Acetamiprid	Soil	µg	1.17
49	Acetic acid	Air	mg	3.14
50	Acetic acid	Water	µg	66.26
51	Acetochlor	Soil	µg	24.46
52	Acetone	Air	mg	1.16
53	Acetone	Water	µg	231.91
54	Acetonitrile	Air	µg	19.77
55	Acetonitrile	Water	ng	7.71
56	Acetyl chloride	Water	ng	43.27
57	Acidity, unspecified	Water	µg	171.44
58	Acifluorfen	Air	ng	7.29
59	Acifluorfen	Soil	pg	312.32
60	Aclonifen	Soil	ng	18.30
61	Acrinathrin	Soil	ng	1.67
62	Acrolein	Air	mg	1.45

63	Acrylate	Water	µg	1.49
64	Acrylic acid	Air	ng	628.01
65	Acrylonitrile	Air	ng	249.99
66	Acrylonitrile	Water	ng	6.00
67	Actinides, radioactive, unspecified	Air	Bq	5.88
68	Actinides, radioactive, unspecified	Water	mBq	16.53
69	Aerosols, radioactive, unspecified	Air	µBq	381.72
70	Alachlor	Air	ng	51.56
71	Alachlor	Soil	µg	3.65
72	Aldehydes, unspecified	Air	mg	2.74
73	Aldicarb	Soil	µg	12.56
74	Aldrin	Soil	µg	8.21
75	Allyl chloride	Water	µg	32.81
76	Alpha-cypermethrin	Soil	ng	19.36
77	Aluminium	Raw	g	3.18
78	Aluminium	Air	g	5.35
79	Aluminium	Water	g	91.57
80	Aluminium	Soil	mg	33.59
81	Aluminium hydroxide	Water	ng	85.81
82	Ametryn	Soil	ng	397.65
83	Amidosulfuron	Soil	ng	1.08
84	Amine oxide	Air	ng	43.70
85	Ammonia	Air	g	2.24
86	Ammonium carbonate	Air	µg	6.43
87	Ammonium, ion	Water	mg	38.00
88	Anhydrite	Raw	µg	25.02
89	Aniline	Air	ng	104.60
90	Aniline	Water	µg	3.33
91	Anthracene	Air	pg	0.21
92	Anthracene	Water	ng	381.50
93	Anthranilic acid	Air	ng	9.11
94	Anthraquinone	Soil	ng	361.72
95	Antimony	Air	mg	6.90

96	Antimony	Water	mg	24.02
97	Antimony	Soil	µg	4.99
98	Antimony-122	Water	µBq	912.84
99	Antimony-124	Air	nBq	799.64
100	Antimony-124	Water	mBq	186.96
101	Antimony-125	Air	µBq	23.63
102	Antimony-125	Water	mBq	42.53
103	AOX, Adsorbable Organic Halogen as Cl	Water	µg	448.49
104	Argon-40	Raw	mg	212.91
105	Argon-40	Air	mg	51.03
106	Argon-41	Air	mBq	283.90
107	Arsenic	Air	mg	4.37
108	Arsenic	Water	mg	209.15
109	Arsenic	Soil	µg	10.16
110	Arsine	Air	pg	7.32
111	Asulam	Soil	ng	40.83
112	Atrazine	Air	ng	51.14
113	Atrazine	Water	ng	58.41
114	Atrazine	Soil	µg	49.96
115	Azinphos-methyl	Soil	ng	11.12
116	Azoxystrobin	Air	ng	24.11
117	Azoxystrobin	Soil	µg	12.33
118	Barite	Raw	g	1.84
119	Barite	Water	mg	57.44
120	Barium	Air	mg	25.22
121	Barium	Water	mg	660.76
122	Barium	Soil	mg	5.85
123	Barium-140	Air	µBq	275.87
124	Barium-140	Water	µBq	717.02
125	Barium sulfide	Water	ng	44.51
126	Basalt	Raw	mg	302.15
127	Benfluralin	Soil	µg	2.69
128	Benomyl	Soil	ng	7.96

129	Bensulfuron methyl ester	Soil	pg	350.82
130	Bentazone	Air	ng	23.74
131	Bentazone	Water	ng	10.20
132	Bentazone	Soil	ng	321.51
133	Benzal chloride	Air	ng	5.57
134	Benzal chloride	Water	ng	13.26
135	Benzaldehyde	Air	µg	534.13
136	Benzaldehyde	Water	ng	4.35
137	Benzene	Air	mg	86.82
138	Benzene	Water	mg	2.99
139	Benzene, 1-methyl-2-nitro-	Air	ng	10.30
140	Benzene, 1,2-dichloro-	Air	ng	87.04
141	Benzene, 1,2-dichloro-	Water	µg	331.90
142	Benzene, chloro-	Water	µg	487.33
143	Benzene, ethyl-	Air	mg	1.15
144	Benzene, ethyl-	Water	µg	471.11
145	Benzene, hexachloro-	Air	ng	492.67
146	Benzene, pentachloro-	Air	ng	4.57
147	Benzene, pentachloronitro-	Soil	ng	114.66
148	Benzo(a)anthracene	Air	pg	147.42
149	Benzo(a)anthracene	Water	ng	1.44
150	Benzo(a)pyrene	Air	µg	128.18
151	Benzo(a)pyrene	Water	pg	174.91
152	Benzo(b)fluoranthene	Air	pg	174.19
153	Benzo(b)fluoranthene	Water	pg	170.59
154	Benzo(g,h,i)perylene	Air	pg	10.81
155	Benzo(g,h,i)perylene	Water	pg	24.01
156	Benzo(k)fluoranthene	Air	pg	125.97
157	Benzo(k)fluoranthene	Water	pg	80.26
158	Beryllium	Air	µg	63.71
159	Beryllium	Water	mg	36.48
160	Beryllium	Soil	µg	1.22
161	Bicarbonate, ion	Water	ng	390.65

162	Bifenox	Soil	ng	96.66
163	Bifenthrin	Soil	ng	89.14
164	Bisphenol A	Water	µg	204.52
165	Bitertanol	Soil	ng	38.15
166	BOD5, Biological Oxygen Demand	Water	g	4.77
167	Borate	Water	µg	112.24
168	Borax	Raw	mg	4.55
169	Boric acid	Air	pg	5.67
170	Boron	Air	mg	153.29
171	Boron	Water	mg	683.41
172	Boron	Soil	µg	755.95
173	Boron trifluoride	Air	ng	38.30
174	Boscalid	Soil	ng	818.00
175	Bromacil	Soil	ng	795.30
176	Bromate	Water	mg	1.19
177	Bromide	Water	µg	273.94
178	Bromine	Raw	µg	332.25
179	Bromine	Air	mg	108.32
180	Bromine	Water	mg	199.97
181	Bromine	Soil	µg	11.75
182	Bromopropane	Air	ng	59.03
183	Bromopropane	Water	ng	2.09
184	Bromoxynil	Air	pg	927.49
185	Bromoxynil	Water	ng	5.35
186	Bromoxynil	Soil	ng	694.69
187	Bromuconazole	Soil	pg	440.29
188	Buprofezin	Soil	ng	65.16
189	Butadiene	Air	ng	22.90
190	Butane	Air	mg	40.62
191	Butene	Air	µg	491.30
192	Butene	Water	µg	5.09
193	Butyl acetate	Water	µg	6.25
194	Butyric acid, 4-(2,4-dichlorophenoxy)-	Air	ng	7.75

195	Butyric acid, 4-(2,4-dichlorophenoxy)-	Water	ng	3.42
196	Butyric acid, 4-(2,4-dichlorophenoxy)-	Soil	ng	126.99
197	Butyrolactone	Water	ng	39.54
198	Cadmium	Raw	mg	11.64
199	Cadmium	Air	µg	649.56
200	Cadmium	Water	mg	14.48
201	Cadmium	Soil	µg	10.61
202	Calcite	Raw	g	119.10
203	Calcium	Air	mg	9.78
204	Calcium	Water	g	338.54
205	Calcium	Soil	mg	69.81
206	Captan	Soil	µg	77.35
207	Carbaryl	Air	ng	6.57
208	Carbaryl	Water	pg	6.85
209	Carbaryl	Soil	ng	4.74
210	Carbendazim	Soil	µg	3.49
211	Carbetamide	Soil	µg	2.19
212	Carbofuran	Soil	µg	4.38
213	Carbon	Air	ng	662.64
214	Carbon	Water	µg	2.27
215	Carbon	Soil	mg	83.67
216	Carbon-14	Air	Bq	36.22
217	Carbon-14	Water	mBq	16.17
218	Carbon dioxide, biogenic	Air	g	38.18
219	Carbon dioxide, fossil	Air	kg	38.47
220	Carbon dioxide, in air	Raw	g	343.95
221	Carbon dioxide, land transformation	Air	g	3.65
222	Carbon dioxide, to soil or biomass stock	Soil	mg	26.43
223	Carbon disulfide	Air	mg	17.31
224	Carbon disulfide	Water	ng	737.10
225	Carbon monoxide, biogenic	Air	mg	96.54
226	Carbon monoxide, fossil	Air	g	44.44
227	Carbon monoxide, land transformation	Air	mg	11.42

228	Carbon, organic, in soil or biomass stock	Raw	mg	276.34
229	Carbonate	Water	mg	2.30
230	Carbonyl sulfide	Air	µg	165.95
231	Carboxylic acids, unspecified	Water	mg	76.56
232	Carfentrazone-ethyl	Air	pg	668.84
233	Carfentrazone-ethyl	Soil	ng	3.68
234	Carnallite	Raw	mg	17.61
235	Cerium	Raw	µg	126.79
236	Cerium-141	Air	µBq	66.81
237	Cerium-141	Water	µBq	432.53
238	Cerium-144	Water	µBq	486.71
239	Cesium	Water	µg	17.96
240	Cesium-134	Air	µBq	3.20
241	Cesium-134	Water	mBq	5.76
242	Cesium-136	Water	µBq	283.75
243	Cesium-137	Air	µBq	62.76
244	Cesium-137	Water	Bq	2.06
245	Chloramine	Air	ng	123.75
246	Chloramine	Water	µg	1.11
247	Chlorate	Water	mg	9.27
248	Chlorfenvinphos	Soil	ng	167.73
249	Chloridazon	Soil	ng	39.29
250	Chloride	Water	g	189.87
251	Chloride	Soil	mg	47.48
252	Chlorides, unspecified	Water	mg	11.42
253	Chlorimuron-ethyl	Air	ng	12.17
254	Chlorimuron-ethyl	Soil	ng	13.32
255	Chlorinated solvents, unspecified	Air	µg	1.56
256	Chlorinated solvents, unspecified	Water	µg	279.65
257	Chlorine	Air	mg	1.12
258	Chlorine	Water	µg	214.62
259	Chlorine	Soil	µg	190.55
260	Chlormequat	Soil	ng	871.35

261	Chloroacetic acid	Air	µg	1.47
262	Chloroacetic acid	Water	µg	20.12
263	Chloroacetyl chloride	Water	ng	50.68
264	Chloroform	Air	mg	133.64
265	Chloroform	Water	ng	113.96
266	Chloropicrin	Soil	µg	17.80
267	Chlorosilane, trimethyl-	Air	ng	215.67
268	Chlorosulfonic acid	Air	ng	12.03
269	Chlorosulfonic acid	Water	ng	28.04
270	Chlorothalonil	Soil	µg	135.85
271	Chlorpyrifos	Air	ng	242.76
272	Chlorpyrifos	Soil	µg	12.02
273	Chlorpyrifos methyl	Soil	µg	31.03
274	Chlorsulfuron	Soil	pg	606.98
275	Chlortoluron	Soil	ng	705.80
276	Choline chloride	Soil	ng	83.68
277	Chromium	Raw	g	1.17
278	Chromium	Air	mg	6.96
279	Chromium	Water	µg	414.95
280	Chromium	Soil	µg	130.78
281	Chromium-51	Air	µBq	4.28
282	Chromium-51	Water	mBq	58.82
283	Chromium IV	Air	pg	1.16
284	Chromium VI	Air	µg	596.86
285	Chromium VI	Water	mg	216.00
286	Chromium VI	Soil	mg	3.44
287	Chrysene	Air	pg	16.97
288	Chrysene	Water	pg	928.55
289	Chrysotile	Raw	µg	178.08
290	Cinidon-ethyl	Soil	ng	1.30
291	Cinnabar	Raw	ng	878.38
292	Clay, bentonite	Raw	g	1.28
293	Clay, unspecified	Raw	g	26.95

294	Clethodim	Air	ng	36.00
295	Clethodim	Soil	ng	23.95
296	Clodinafop-propargyl	Soil	ng	8.98
297	Clomazone	Soil	ng	47.35
298	Clopyralid	Soil	ng	14.72
299	Cloquintocet-mexyl	Soil	ng	2.17
300	Cloransulam-methyl	Air	ng	6.34
301	Cloransulam-methyl	Soil	ng	5.77
302	Coal, brown	Raw	kg	1.18
303	Coal, hard	Raw	kg	23.33
304	Cobalt	Raw	µg	59.62
305	Cobalt	Air	mg	1.31
306	Cobalt	Water	mg	374.52
307	Cobalt	Soil	µg	12.52
308	Cobalt-57	Water	mBq	9.01
309	Cobalt-58	Air	µBq	19.55
310	Cobalt-58	Water	Bq	1.16
311	Cobalt-60	Air	µBq	115.40
312	Cobalt-60	Water	mBq	526.75
313	Cobalt, Co 5.0E-2%, in mixed ore	Raw	µg	11.10
314	COD, Chemical Oxygen Demand	Water	g	7.48
315	Colemanite	Raw	mg	13.70
316	Copper	Air	mg	8.99
317	Copper	Water	mg	895.07
318	Copper	Soil	mg	2.44
319	Copper, 0.52% in sulfide, Cu 0.27% and Mo 8.2E-3% in crude ore	Raw	mg	299.29
320	Copper, 0.59% in sulfide, Cu 0.22% and Mo 8.2E-3% in crude ore	Raw	mg	207.12
321	Copper, 0.97% in sulfide, Cu 0.36% and Mo 4.1E-2% in crude ore	Raw	mg	72.42
322	Copper, 0.99% in sulfide, Cu 0.36% and Mo 8.2E-3% in crude ore	Raw	mg	376.53
323	Copper, 1.13% in sulfide, Cu 0.76% and Ni 0.76% in crude ore	Raw	mg	16.54

324	Copper, 1.18% in sulfide, Cu 0.39% and Mo 8.2E-3% in crude ore	Raw	mg	278.10
325	Copper, 1.42% in sulfide, Cu 0.81% and Mo 8.2E-3% in crude ore	Raw	mg	32.89
326	Copper, 2.19% in sulfide, Cu 1.83% and Mo 8.2E-3% in crude ore	Raw	mg	108.13
327	Copper, Cu 0.2%, in mixed ore	Raw	µg	166.55
328	Copper, Cu 0.38%, Au 9.7E-4%, Ag 9.7E-4%, Zn 0.63%, Pb 0.014%, in ore	Raw	mg	343.51
329	Copper, Cu 3.2E+0%, Pt 2.5E-4%, Pd 7.3E-4%, Rh 2.0E-5%, Ni 2.3E+0% in ore	Raw	mg	19.67
330	Copper, Cu 5.2E-2%, Pt 4.8E-4%, Pd 2.0E-4%, Rh 2.4E-5%, Ni 3.7E-2% in ore	Raw	mg	3.39
331	Copper, Cu 6.8E-1%, in mixed ore	Raw	µg	150.95
332	Cu-HDO	Water	pg	331.58
333	Cumene	Air	µg	150.36
334	Cumene	Water	µg	481.56
335	Cyanide	Air	mg	7.64
336	Cyanide	Water	µg	880.51
337	Cyanoacetic acid	Air	ng	9.21
338	Cyclohexane	Air	ng	106.75
339	Cyclohexane	Water	ng	255.61
340	Cycloxydim	Soil	ng	108.24
341	Cyfluthrin	Air	ng	1.27
342	Cyfluthrin	Soil	ng	58.50
343	Cyhalothrin, gamma-	Air	ng	14.58
344	Cyhalothrin, gamma-	Soil	pg	625.05
345	Cymoxanil	Soil	ng	402.22
346	Cypermethrin	Soil	µg	6.53
347	Cyproconazole	Soil	µg	19.20
348	Cyprodinil	Soil	µg	3.45
349	Decanoic acid	Water	ng	17.22
350	Deltamethrin	Soil	ng	9.25
351	Desmedipham	Soil	ng	49.81
352	Diatomite	Raw	µg	13.00

353	Diazinon	Soil	µg	1.61
354	Dibenz(a,h)anthracene	Air	pg	81.75
355	Dibenz(a,h)anthracene	Water	pg	16.81
356	Dibutyltin	Water	pg	0.00
357	Dicamba	Air	ng	31.04
358	Dicamba	Water	ng	6.19
359	Dicamba	Soil	µg	1.06
360	Dichlorodimethylsilane	Air	ng	199.23
361	Dichlorprop	Air	ng	1.10
362	Dichlorprop	Water	ng	1.15
363	Dichlorprop	Soil	ng	45.54
364	Dichlorprop-P	Soil	µg	2.90
365	Dichromate	Water	µg	101.73
366	Diclofop	Soil	ng	573.76
367	Diclofop-methyl	Soil	ng	579.39
368	Dicrotophos	Soil	ng	665.51
369	Diethanolamine	Water	ng	170.43
370	Diethyl ether	Air	pg	220.44
371	Diethylamine	Air	ng	57.28
372	Diethylamine	Water	ng	137.48
373	Diethylene glycol	Air	pg	506.72
374	Diethylene glycol	Water	ng	22.18
375	Difenoconazole	Soil	µg	17.55
376	Diflubenzuron	Air	pg	668.84
377	Diflubenzuron	Soil	µg	19.86
378	Diflufenican	Soil	µg	1.69
379	Diflufenzopyr-sodium	Soil	ng	79.23
380	Dimethachlor	Soil	ng	75.69
381	Dimethenamid	Air	ng	1.69
382	Dimethenamid	Water	pg	603.08
383	Dimethenamid	Soil	µg	2.80
384	Dimethoate	Soil	µg	6.36
385	Dimethomorph	Soil	ng	254.08

386	Dimethyl carbonate	Air	µg	1.60
387	Dimethyl hexanediol	Water	ng	22.09
388	Dimethyl hexynediol	Water	ng	35.62
389	Dimethyl malonate	Air	ng	11.55
390	Dimethylamine	Air	ng	333.52
391	Dimethylamine	Water	ng	270.30
392	Dimethyldichlorosilane	Air	ng	151.92
393	Dimethyldichlorosilane	Water	ng	5.60
394	Dinitrogen monoxide	Air	g	1.00
395	Dinitrogen tetroxide	Air	ng	98.90
396	Dioxin, 2,3,7,8 Tetrachlorodibenzo-p-	Air	ng	5.37
397	Dioxin, 2,3,7,8 Tetrachlorodibenzo-p-	Soil	pg	89.52
398	Diphenylether-compound	Water	ng	5.04
399	Diphenyltin	Water	pg	0.04
400	Dipropylamine	Air	ng	27.67
401	Dipropylamine	Water	ng	66.40
402	Dipropylthiocarbamic acid S-ethyl ester	Soil	ng	455.82
403	Diquat	Soil	ng	526.57
404	Discarded fish, pelagic	Water	µg	4.90
405	Dithianone	Soil	ng	10.76
406	Diuron	Soil	µg	8.25
407	DOC, Dissolved Organic Carbon	Water	g	3.43
408	Dodecanoic acid	Air	ng	41.66
409	Dodecanoic acid	Water	ng	355.27
410	Dodecanol	Water	ng	42.52
411	Dolomite	Raw	g	1.84
412	Endosulfan	Soil	µg	5.93
413	Endothall	Soil	ng	1.13
414	Energy, geothermal, converted	Raw	kJ	21.87
415	Energy, gross calorific value, in biomass	Raw	MJ	3.73
416	Energy, gross calorific value, in biomass, primary forest	Raw	kJ	4.38
417	Energy, kinetic (in wind), converted	Raw	MJ	3.17
418	Energy, potential (in hydropower reservoir), converted	Raw	MJ	29.07

419	Energy, solar, converted	Raw	J	687.00
420	Epichlorohydrin	Water	µg	91.18
421	Epoxiconazole	Soil	ng	130.17
422	Esfenvalerate	Air	ng	7.60
423	Esfenvalerate	Soil	ng	6.76
424	Ethalfuralin	Soil	ng	25.23
425	Ethane	Air	mg	81.42
426	Ethane, 1,1-difluoro-, HFC-152a	Air	µg	28.59
427	Ethane, 1,1,1-trichloro-, HCFC-140	Air	µg	56.74
428	Ethane, 1,1,1-trichloro-, HCFC-140	Water	pg	0.09
429	Ethane, 1,1,1,2-tetrafluoro-, HFC-134a	Air	µg	14.26
430	Ethane, 1,1,2-trichloro-1,2,2-trifluoro-, CFC-113	Air	ng	621.18
431	Ethane, 1,2-dichloro-	Air	µg	339.42
432	Ethane, 1,2-dichloro-	Water	µg	8.89
433	Ethane, 1,2-dichloro-1,1,2,2-tetrafluoro-, CFC-114	Air	µg	129.44
434	Ethane, 2-chloro-1,1,1,2-tetrafluoro-, HCFC-124	Air	ng	129.90
435	Ethane, hexafluoro-, HFC-116	Air	µg	19.04
436	Ethanol	Air	µg	505.01
437	Ethanol	Water	µg	34.42
438	Ethene	Air	mg	6.92
439	Ethene	Water	µg	87.68
440	Ethene, chloro-	Air	µg	131.21
441	Ethene, chloro-	Water	µg	2.75
442	Ethene, tetrachloro-	Air	µg	124.09
443	Ethene, trichloro-	Air	ng	629.69
444	Ethephon	Air	pg	0.06
445	Ethephon	Water	pg	0.00
446	Ethephon	Soil	µg	2.90
447	Ethofumesate	Soil	µg	3.64
448	Ethoprop	Soil	ng	105.61
449	Ethyl acetate	Air	µg	481.94
450	Ethyl acetate	Water	ng	117.53
451	Ethyl cellulose	Air	ng	939.49

452	Ethylamine	Air	ng	64.69
453	Ethylamine	Water	ng	155.25
454	Ethylene diamine	Air	ng	169.78
455	Ethylene diamine	Water	ng	408.66
456	Ethylene oxide	Air	µg	3.15
457	Ethylene oxide	Water	µg	2.86
458	Ethyne	Air	µg	816.37
459	Europium	Raw	ng	317.66
460	Feldspar	Raw	µg	23.22
461	Fenamiphos	Soil	µg	2.20
462	Fenbuconazole	Soil	ng	17.84
463	Fenoxaprop	Air	ng	9.95
464	Fenoxaprop	Soil	ng	11.57
465	Fenoxaprop-P ethyl ester	Soil	ng	42.84
466	Fenoxaprop ethyl ester	Soil	ng	47.81
467	Fenpiclonil	Soil	µg	5.07
468	Fenpropidin	Soil	µg	1.32
469	Fenpropimorph	Soil	µg	1.22
470	Fentin hydroxide	Soil	ng	18.27
471	Fipronil	Soil	µg	4.10
472	Fish, pelagic, in ocean	Raw	µg	130.51
473	Florasulam	Soil	ng	9.61
474	Fluazifop	Soil	ng	101.45
475	Fluazifop-p-butyl	Air	ng	14.27
476	Fluazifop-P-butyl	Soil	ng	550.95
477	Flucarbazone sodium salt	Soil	pg	37.94
478	Fludioxonil	Soil	ng	277.68
479	Flufenacet	Air	ng	5.35
480	Flufenacet	Soil	ng	386.91
481	Flumetsulam	Air	ng	1.25
482	Flumetsulam	Soil	ng	138.72
483	Flumiclorac-pentyl	Air	ng	2.14
484	Flumiclorac-pentyl	Soil	pg	91.79

485	Flumioxazin	Air	ng	21.67
486	Flumioxazin	Soil	ng	7.33
487	Fluoranthene	Air	ng	1.35
488	Fluoranthene	Water	µg	7.56
489	Fluorene	Air	ng	1.27
490	Fluorene	Water	µg	2.79
491	Fluoride	Water	mg	671.47
492	Fluoride	Soil	mg	2.91
493	Fluorine	Raw	mg	29.58
494	Fluorine	Air	µg	969.27
495	Fluorine, 4.5% in apatite, 3% in crude ore	Raw	mg	5.88
496	Fluorspar	Raw	mg	111.91
497	Fluosilicic acid	Air	µg	111.34
498	Fluosilicic acid	Water	µg	207.69
499	Flupyrsulfuron-methyl	Soil	pg	58.89
500	Fluquinconazole	Soil	ng	2.44
501	Fluroxypyr	Soil	ng	44.95
502	Flurtamone	Soil	µg	1.79
503	Flusilazole	Soil	ng	53.37
504	Flutolanil	Soil	ng	20.78
505	Folpet	Soil	ng	350.06
506	Fomesafen	Air	ng	80.57
507	Fomesafen	Soil	ng	45.47
508	Foramsulfuron	Soil	ng	14.86
509	Formaldehyde	Air	mg	23.33
510	Formaldehyde	Water	mg	2.40
511	Formamide	Air	ng	41.97
512	Formamide	Water	ng	100.73
513	Formate	Water	µg	5.54
514	Formic acid	Air	µg	121.27
515	Formic acid	Water	ng	29.24
516	Fosetyl	Soil	ng	107.12
517	Fosetyl-aluminium	Soil	µg	7.62

518	Fungicides, unspecified	Soil	µg	4.57
519	Furan	Air	µg	527.21
520	Furathiocarb	Soil	ng	361.89
521	Gadolinium	Raw	ng	792.80
522	Gallium	Raw	µg	986.24
523	Gangue, bauxite	Raw	g	33.75
524	Gas, mine, off-gas, process, coal mining/m3	Raw	l	98.40
525	Gas, natural/m3	Raw	l	524.83
526	Glucose	Water	ng	51.76
527	Glufosinate	Soil	µg	2.41
528	Glutaraldehyde	Water	µg	5.88
529	Glyphosate	Air	µg	16.16
530	Glyphosate	Water	ng	335.66
531	Glyphosate	Soil	mg	1.05
532	Gold	Raw	µg	2.87
533	Gold, Au 1.0E-7%, in mixed ore	Raw	ng	2.29
534	Gold, Au 1.1E-4%, Ag 4.2E-3%, in ore	Raw	ng	609.89
535	Gold, Au 1.3E-4%, Ag 4.6E-5%, in ore	Raw	ng	975.53
536	Gold, Au 1.8E-4%, in mixed ore	Raw	ng	198.79
537	Gold, Au 2.1E-4%, Ag 2.1E-4%, in ore	Raw	ng	211.27
538	Gold, Au 4.3E-4%, in ore	Raw	ng	560.88
539	Gold, Au 4.9E-5%, in ore	Raw	µg	2.81
540	Gold, Au 5.4E-4%, Ag 1.5E-5%, in ore	Raw	ng	18.45
541	Gold, Au 6.7E-4%, in ore	Raw	µg	3.00
542	Gold, Au 6.8E-4%, Ag 1.5E-4%, in ore	Raw	ng	25.07
543	Gold, Au 7.1E-4%, in ore	Raw	µg	1.39
544	Gold, Au 9.7E-4%, Ag 9.7E-4%, Zn 0.63%, Cu 0.38%, Pb 0.014%, in ore	Raw	µg	8.37
545	Gold, Au 9.7E-5%, Ag 7.6E-5%, in ore	Raw	ng	90.70
546	Granite	Raw	ng	26.09
547	Gravel	Raw	kg	2.23
548	Gypsum	Raw	g	2.60
549	Halosulfuron-methyl	Soil	pg	99.70

550	Heat, waste	Air	kJ	58.18
551	Heat, waste	Water	kJ	52.37
552	Heat, waste	Soil	J	893.76
553	Helium	Air	µg	906.01
554	Heptane	Air	mg	6.80
555	Herbicides, unspecified	Soil	µg	1.57
556	Hexaconazole	Soil	µg	3.89
557	Hexane	Air	mg	24.73
558	Hexazinone	Soil	ng	368.37
559	Hydramethylnon	Soil	ng	8.49
560	Hydrazine	Water	ng	11.35
561	Hydrocarbons, aliphatic, alkanes, cyclic	Air	mg	11.01
562	Hydrocarbons, aliphatic, alkanes, unspecified	Air	mg	66.12
563	Hydrocarbons, aliphatic, alkanes, unspecified	Water	mg	2.34
564	Hydrocarbons, aliphatic, unsaturated	Air	mg	48.16
565	Hydrocarbons, aliphatic, unsaturated	Water	µg	215.60
566	Hydrocarbons, aromatic	Air	mg	32.77
567	Hydrocarbons, aromatic	Water	mg	9.59
568	Hydrocarbons, chlorinated	Air	mg	1.03
569	Hydrocarbons, unspecified	Air	µg	20.70
570	Hydrocarbons, unspecified	Water	mg	3.24
571	Hydrocarbons, unspecified	Soil	µg	47.16
572	Hydrogen	Air	mg	5.97
573	Hydrogen-3, Tritium	Air	Bq	61.64
574	Hydrogen-3, Tritium	Water	kBq	6.63
575	Hydrogen carbonate	Water	mg	6.85
576	Hydrogen chloride	Air	g	9.25
577	Hydrogen chloride	Water	mg	1.11
578	Hydrogen fluoride	Air	mg	993.84
579	Hydrogen peroxide	Air	ng	593.73
580	Hydrogen peroxide	Water	µg	17.13
581	Hydrogen sulfide	Air	mg	12.57
582	Hydrogen sulfide	Water	mg	20.48

583	Hydroxide	Water	µg	29.45
584	Hypochlorite	Water	µg	345.21
585	Imazamox	Air	ng	3.20
586	Imazamox	Soil	ng	5.86
587	Imazapyr	Soil	ng	1.98
588	Imazaquin	Air	ng	10.22
589	Imazaquin	Soil	pg	437.82
590	Imazethapyr	Air	ng	21.14
591	Imazethapyr	Soil	ng	21.57
592	Imidacloprid	Soil	µg	6.52
593	Indeno(1,2,3-cd)pyrene	Air	pg	32.18
594	Indeno(1,2,3-cd)pyrene	Water	pg	263.81
595	Indium	Raw	µg	194.06
596	Indoxacarb	Soil	µg	2.69
597	Insecticides, unspecified	Soil	ng	277.50
598	Iodide	Water	mg	8.89
599	Iodide	Soil	pg	438.13
600	Iodine	Raw	µg	63.04
601	Iodine	Air	mg	55.18
602	Iodine-129	Air	mBq	10.18
603	Iodine-131	Air	mBq	46.63
604	Iodine-131	Water	mBq	37.22
605	Iodine-133	Air	mBq	1.84
606	Iodine-133	Water	µBq	794.87
607	Iodosulfuron	Soil	pg	162.99
608	Iodosulfuron-methyl-sodium	Soil	pg	36.75
609	Ioxynil	Soil	ng	687.34
610	Iprodione	Soil	µg	35.95
611	Iron	Raw	g	87.12
612	Iron	Air	mg	36.71
613	Iron	Water	g	34.79
614	Iron	Soil	mg	604.99
615	Iron-59	Water	mBq	132.30

616	Isocyanic acid	Air	µg	224.83
617	Isoprene	Air	µg	1.76
618	Isopropylamine	Air	ng	41.68
619	Isopropylamine	Water	ng	100.03
620	Isoproturon	Soil	µg	3.25
621	Isoxaflutole	Soil	ng	453.01
622	Kaolin	Soil	ng	707.09
623	Kaolinite	Raw	mg	297.35
624	Kieserite	Raw	mg	517.41
625	Kresoxim-methyl	Soil	ng	63.86
626	Krypton	Raw	µg	36.16
627	Krypton-85	Air	Bq	1.08
628	Krypton-85m	Air	Bq	12.15
629	Krypton-87	Air	mBq	883.41
630	Krypton-88	Air	Bq	1.17
631	Krypton-89	Air	mBq	496.55
632	Lactic acid	Air	ng	21.67
633	Lactic acid	Water	ng	52.01
634	Lactofen	Air	ng	10.29
635	Lactofen	Soil	pg	440.91
636	Lambda-cyhalothrin	Air	pg	0.00
637	Lambda-cyhalothrin	Water	pg	0.00
638	Lambda-cyhalothrin	Soil	ng	149.02
639	Land use III-IV	Raw	cm ² a	16.00
640	Lanthanum	Raw	µg	38.01
641	Lanthanum-140	Air	µBq	23.55
642	Lanthanum-140	Water	mBq	1.17
643	Lead	Raw	mg	194.06
644	Lead	Air	mg	15.96
645	Lead	Water	mg	27.73
646	Lead	Soil	µg	150.96
647	Lead-210	Air	Bq	24.00

648	Lead-210	Water	mBq	148.26
649	Lead, Pb 0.014%, Au 9.7E-4%, Ag 9.7E-4%, Zn 0.63%, Cu 0.38%, in ore	Raw	mg	41.52
650	Lead, Pb 3.6E-1%, in mixed ore	Raw	µg	299.78
651	Lenacil	Soil	ng	217.07
652	Linuron	Soil	µg	10.43
653	Lithium	Raw	µg	34.57
654	Lithium	Air	pg	113.18
655	Lithium	Water	mg	455.77
656	Lithium	Soil	ng	477.52
657	m-Xylene	Air	µg	376.26
658	m-Xylene	Water	µg	12.91
659	Magnesite	Raw	mg	780.40
660	Magnesium	Air	mg	38.63
661	Magnesium	Water	g	190.00
662	Magnesium	Soil	mg	12.37
663	Malathion	Soil	ng	613.36
664	Maleic anhydride	Water	ng	22.21
665	Maleic hydrazide	Soil	ng	115.51
666	Mancozeb	Soil	µg	214.62
667	Mandipropamid	Soil	pg	249.43
668	Maneb	Soil	ng	2.69
669	Manganese	Raw	mg	597.21
670	Manganese	Air	mg	13.36
671	Manganese	Water	g	14.29
672	Manganese	Soil	mg	1.78
673	Manganese-54	Air	µBq	2.19
674	Manganese-54	Water	mBq	24.12
675	MCPB	Air	ng	1.51
676	MCPB	Water	ng	3.49
677	MCPB	Soil	ng	700.58
678	Mecoprop	Soil	ng	34.65
679	Mecoprop-P	Soil	ng	75.07

680	Mefenpyr	Soil	ng	96.12
681	Mefenpyr-diethyl	Soil	ng	52.29
682	Mepiquat chloride	Soil	ng	459.34
683	Mercury	Air	mg	1.07
684	Mercury	Water	mg	4.82
685	Mercury	Soil	ng	278.65
686	Mesosulfuron-methyl (prop)	Soil	pg	202.72
687	Mesotrione	Soil	ng	643.80
688	Metalaxil	Soil	ng	76.05
689	Metalaxyl-M	Soil	µg	87.80
690	Metaldehyde (tetramer)	Soil	µg	4.66
691	Metam-sodium dihydrate	Soil	µg	18.85
692	Metamitron	Soil	µg	12.11
693	Metamorphous rock, graphite containing	Raw	mg	4.65
694	Metazachlor	Soil	µg	2.20
695	Metconazole	Soil	ng	12.33
696	Methane	Air	µg	2.34
697	Methane, biogenic	Air	mg	96.33
698	Methane, bromo-, Halon 1001	Air	ng	10.17
699	Methane, bromochlorodifluoro-, Halon 1211	Air	µg	2.23
700	Methane, bromotrifluoro-, Halon 1301	Air	µg	22.92
701	Methane, chlorodifluoro-, HCFC-22	Air	µg	59.08
702	Methane, dichloro-, HCC-30	Air	mg	4.82
703	Methane, dichloro-, HCC-30	Water	µg	349.06
704	Methane, dichlorodifluoro-, CFC-12	Air	µg	7.32
705	Methane, dichlorofluoro-, HCFC-21	Air	ng	3.68
706	Methane, fossil	Air	g	34.30
707	Methane, land transformation	Air	µg	973.09
708	Methane, monochloro-, R-40	Air	mg	1.50
709	Methane, tetrachloro-, CFC-10	Air	mg	13.35
710	Methane, tetrafluoro-, CFC-14	Air	µg	286.30
711	Methane, trichlorofluoro-, CFC-11	Air	ng	4.06
712	Methane, trifluoro-, HFC-23	Air	µg	1.17

713	Methanesulfonic acid	Air	ng	9.31
714	Methanol	Air	mg	14.29
715	Methanol	Water	µg	782.17
716	Methiocarb	Soil	ng	77.01
717	Methomyl	Air	pg	0.20
718	Methomyl	Water	pg	0.00
719	Methomyl	Soil	pg	0.62
720	Methoxyfenozide	Soil	ng	290.66
721	Methyl acetate	Air	ng	2.76
722	Methyl acetate	Water	ng	6.63
723	Methyl acrylate	Air	ng	712.60
724	Methyl acrylate	Water	µg	13.92
725	Methyl borate	Air	ng	22.92
726	Methyl ethyl ketone	Air	µg	482.08
727	Methyl formate	Air	ng	16.32
728	Methyl formate	Water	ng	6.51
729	Methyl lactate	Air	ng	23.79
730	Methylamine	Air	ng	102.84
731	Methylamine	Water	ng	26.44
732	Metiram	Soil	ng	78.48
733	Metolachlor	Air	ng	179.66
734	Metolachlor	Water	ng	9.34
735	Metolachlor	Soil	µg	38.44
736	Metosulam	Soil	pg	116.12
737	Metribuzin	Air	ng	66.73
738	Metribuzin	Soil	µg	6.62
739	Metsulfuron-methyl	Soil	ng	124.78
740	Mineral oil	Soil	µg	321.53
741	Molinate	Soil	ng	29.88
742	Molybdenum	Raw	mg	8.26
743	Molybdenum	Air	mg	1.10
744	Molybdenum	Water	mg	121.98
745	Molybdenum	Soil	µg	2.92

746	Molybdenum-99	Water	µBq	268.27
747	Molybdenum, 0.010% in sulfide, Mo 8.2E-3% and Cu 1.83% in crude ore	Raw	mg	3.14
748	Molybdenum, 0.014% in sulfide, Mo 8.2E-3% and Cu 0.81% in crude ore	Raw	µg	674.99
749	Molybdenum, 0.016% in sulfide, Mo 8.2E-3% and Cu 0.27% in crude ore	Raw	mg	7.18
750	Molybdenum, 0.022% in sulfide, Mo 8.2E-3% and Cu 0.22% in crude ore	Raw	mg	4.63
751	Molybdenum, 0.022% in sulfide, Mo 8.2E-3% and Cu 0.36% in crude ore	Raw	mg	5.16
752	Molybdenum, 0.025% in sulfide, Mo 8.2E-3% and Cu 0.39% in crude ore	Raw	mg	5.55
753	Monobutyltin	Water	pg	0.10
754	Monocrotophos	Soil	µg	2.38
755	Monoethanolamine	Air	µg	153.62
756	Monoethanolamine	Water	µg	1.19
757	Monophenyltin	Water	pg	0.00
758	Monosodium acid methanearsonate	Soil	ng	339.54
759	Myclobutanil	Soil	ng	407.82
760	Naphthalene	Air	µg	1.40
761	Naphthalene	Water	ng	558.57
762	Napropamide	Soil	µg	1.52
763	Neodymium	Raw	µg	20.91
764	Nickel	Air	mg	10.77
765	Nickel	Water	g	1.71
766	Nickel	Soil	µg	35.77
767	Nickel, 1.13% in sulfide, Ni 0.76% and Cu 0.76% in crude ore	Raw	mg	32.16
768	Nickel, 1.98% in silicates, 1.04% in crude ore	Raw	mg	837.24
769	Nickel, Ni 2.3E+0%, Pt 2.5E-4%, Pd 7.3E-4%, Rh 2.0E-5%, Cu 3.2E+0% in ore	Raw	mg	14.20
770	Nickel, Ni 2.5E+0%, in mixed ore	Raw	µg	543.81
771	Nickel, Ni 3.7E-2%, Pt 4.8E-4%, Pd 2.0E-4%, Rh 2.4E-5%, Cu 5.2E-2% in ore	Raw	mg	4.84
772	Nicosulfuron	Soil	ng	108.95
773	Niobium-95	Air	mBq	161.65

774	Niobium-95	Water	mBq	3.48
775	Nitrate	Air	µg	552.05
776	Nitrate	Water	g	18.81
777	Nitrate	Soil	µg	550.29
778	Nitrite	Water	µg	316.63
779	Nitrobenzene	Air	µg	3.53
780	Nitrobenzene	Water	µg	14.13
781	Nitrogen fluoride	Air	pg	111.05
782	Nitrogen monoxide	Air	µg	1.96
783	Nitrogen oxides	Air	g	92.24
784	Nitrogen, atmospheric	Raw	g	11.48
785	Nitrogen, atmospheric	Air	mg	636.56
786	Nitrogen, atmospheric	Water	mg	10.83
787	Nitrogen, atmospheric	Soil	µg	294.82
788	Nitrogen, organic bound	Water	mg	10.88
789	NMVOC, non-methane volatile organic compounds, unspecified origin	Air	g	7.07
790	Noble gases, radioactive, unspecified	Air	kBq	97.96
791	Norflurazon	Soil	µg	1.16
792	o-Xylene	Air	µg	139.40
793	o-Xylene	Water	µg	9.36
794	Occupation, annual crop	Raw	cm ² a	12.39
795	Occupation, annual crop, greenhouse	Raw	mm ² a	3.06
796	Occupation, annual crop, irrigated	Raw	mm ² a	34.97
797	Occupation, annual crop, irrigated, intensive	Raw	mm ² a	65.74
798	Occupation, annual crop, non-irrigated	Raw	mm ² a	2.79
799	Occupation, annual crop, non-irrigated, extensive	Raw	mm ² a	268.16
800	Occupation, annual crop, non-irrigated, intensive	Raw	cm ² a	11.99
801	Occupation, arable land, unspecified use	Raw	mm ² a	0.00

802	Occupation, construction site	Raw	cm2 a	10.54
803	Occupation, dump site	Raw	m2a	0.14
804	Occupation, forest, extensive	Raw	cm2 a	11.25
805	Occupation, forest, intensive	Raw	m2a	0.51
806	Occupation, grassland, natural (non-use)	Raw	cm2 a	73.19
807	Occupation, industrial area	Raw	cm2 a	672.72
808	Occupation, inland waterbody, unspecified	Raw	mm2 a	1.14
809	Occupation, mineral extraction site	Raw	cm2 a	910.24
810	Occupation, pasture, man made, extensive	Raw	mm2 a	2.91
811	Occupation, pasture, man made, intensive	Raw	mm2 a	306.65
812	Occupation, permanent crop	Raw	mm2 a	85.55
813	Occupation, permanent crop, irrigated	Raw	cm2 a	11.31
814	Occupation, permanent crop, irrigated, intensive	Raw	mm2 a	26.76
815	Occupation, permanent crop, non-irrigated, intensive	Raw	mm2 a	3.53
816	Occupation, seabed, drilling and mining	Raw	mm2 a	76.50
817	Occupation, seabed, infrastructure	Raw	mm2 a	0.73
818	Occupation, shrub land, sclerophyllous	Raw	mm2 a	932.12
819	Occupation, traffic area, rail network	Raw	cm2 a	146.03
820	Occupation, traffic area, rail/road embankment	Raw	cm2 a	272.09
821	Occupation, traffic area, road network	Raw	cm2 a	268.64
822	Occupation, unknown	Raw	mm2 a	5.16
823	Occupation, urban, discontinuously built	Raw	mm2	14.31

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824	Occupation, urban/industrial fallow (non-use)	Raw	mm ² a	3.90
825	Occupation, water bodies, artificial	Raw	m ² a	0.30
826	Octaethylene glycol monododecyl ether	Air	ng	49.50
827	Oil, crude	Raw	g	361.15
828	Oils, biogenic	Water	µg	32.75
829	Oils, biogenic	Soil	mg	16.54
830	Oils, unspecified	Water	g	1.14
831	Oils, unspecified	Soil	g	1.20
832	Olivine	Raw	µg	12.70
833	Orbencarb	Soil	µg	31.74
834	Organic carbon	Air	µg	1.65
835	Organic carbon	Water	µg	5.36
836	Organic carbon	Soil	µg	5.36
837	Oryzalin	Soil	ng	535.13
838	Oxamyl	Soil	ng	107.29
839	Oxydemeton methyl	Soil	ng	11.40
840	Oxyfluorfen	Soil	µg	4.41
841	Oxygen	Raw	g	16.10
842	Oxygen	Water	ng	4.60
843	Ozone	Air	mg	182.67
844	PAH, polycyclic aromatic hydrocarbons	Air	mg	3.54
845	PAH, polycyclic aromatic hydrocarbons	Water	µg	134.81
846	PAH, polycyclic aromatic hydrocarbons	Soil	µg	1.43
847	Palladium, Pd 1.6E-6%, in mixed ore	Raw	ng	36.34
848	Palladium, Pd 2.0E-4%, Pt 4.8E-4%, Rh 2.4E-5%, Ni 3.7E-2%, Cu 5.2E-2% in ore	Raw	µg	9.44
849	Palladium, Pd 7.3E-4%, Pt 2.5E-4%, Rh 2.0E-5%, Ni 2.3E+0%, Cu 3.2E+0% in ore	Raw	µg	4.48
850	Paraffins	Air	µg	3.27
851	Paraffins	Water	µg	14.52
852	Paraquat	Air	ng	42.93
853	Paraquat	Soil	µg	14.05

854	Parathion	Soil	ng	85.45
855	Parathion, methyl	Air	ng	8.24
856	Parathion, methyl	Soil	pg	353.12
857	Particulates, < 2.5 um	Air	g	63.75
858	Particulates, > 10 um	Air	g	84.65
859	Particulates, > 2.5 um, and < 10um	Air	g	8.31
860	Peat	Raw	mg	344.33
861	Pendimethalin	Air	ng	461.57
862	Pendimethalin	Water	pg	821.06
863	Pendimethalin	Soil	µg	4.49
864	Pentane	Air	mg	80.64
865	Pentane	Water	ng	2.70
866	Pentane, 2-methyl-	Air	ng	705.16
867	Pentane, 2,2,4-trimethyl-	Air	pg	515.40
868	Perlite	Raw	mg	3.32
869	Permethrin	Air	ng	6.72
870	Permethrin	Soil	ng	48.52
871	Pesticides, unspecified	Soil	µg	38.35
872	Phenanthrene	Air	ng	18.86
873	Phenanthrene	Water	µg	6.27
874	Phenmedipham	Soil	µg	2.25
875	Phenol	Air	µg	278.53
876	Phenol	Water	mg	2.91
877	Phenol, 2,4-dichloro-	Air	ng	31.93
878	Phenol, pentachloro-	Air	µg	54.76
879	Phenol, pentachloro-	Soil	ng	50.53
880	Phorate	Soil	ng	190.93
881	Phosgene	Air	ng	652.83
882	Phosmet	Soil	ng	281.80
883	Phosphate	Water	g	63.20
884	Phosphine	Air	ng	259.83
885	Phosphoric acid	Air	pg	200.88
886	Phosphoric acid	Water	ng	25.74

887	Phosphorus	Raw	mg	43.06
888	Phosphorus	Air	µg	245.14
889	Phosphorus	Water	µg	807.38
890	Phosphorus	Soil	mg	1.39
891	Phosphorus oxychloride	Water	ng	9.77
892	Phosphorus pentachloride	Water	ng	47.13
893	Phosphorus trichloride	Air	µg	3.37
894	Phosphorus trichloride	Water	ng	1.75
895	Phosphorus, 18% in apatite, 4% in crude ore	Raw	mg	118.31
896	Picloram	Soil	pg	75.87
897	Picoxystrobin	Soil	ng	126.62
898	Piperonyl butoxide	Soil	ng	57.73
899	Pirimicarb	Soil	µg	2.89
900	Pirimiphos methyl	Soil	ng	975.77
901	Platinum	Air	µg	30.90
902	Platinum, Pt 2.5E-4%, Pd 7.3E-4%, Rh 2.0E-5%, Ni 2.3E+0%, Cu 3.2E+0% in ore	Raw	µg	1.54
903	Platinum, Pt 4.7E-7%, in mixed ore	Raw	ng	10.51
904	Platinum, Pt 4.8E-4%, Pd 2.0E-4%, Rh 2.4E-5%, Ni 3.7E-2%, Cu 5.2E-2% in ore	Raw	µg	22.20
905	Plutonium-238	Air	nBq	1.39
906	Plutonium-alpha	Air	nBq	3.18
907	Polonium-210	Air	Bq	42.60
908	Polonium-210	Water	mBq	106.63
909	Polychlorinated biphenyls	Air	µg	1.10
910	Polychlorinated biphenyls	Water	pg	889.49
911	Potassium	Air	mg	11.21
912	Potassium	Water	g	145.96
913	Potassium	Soil	mg	9.02
914	Potassium-40	Air	Bq	7.96
915	Potassium-40	Water	mBq	38.19
916	Potassium chloride	Raw	mg	182.40
917	Praseodymium	Raw	µg	2.22
918	Primisulfuron	Soil	ng	49.52

919	Prochloraz	Soil	ng	29.51
920	Procymidone	Soil	ng	12.09
921	Profenofos	Soil	ng	528.38
922	Prohexadione-calcium	Soil	pg	45.72
923	Prometryn	Soil	ng	283.59
924	Pronamide	Soil	pg	119.41
925	Propachlor	Soil	µg	13.43
926	Propamocarb HCl	Soil	pg	916.76
927	Propanal	Air	µg	15.54
928	Propanal	Water	ng	60.58
929	Propane	Air	mg	53.40
930	Propanil	Soil	ng	77.38
931	Propargite	Soil	ng	61.24
932	Propene	Air	mg	5.48
933	Propene	Water	µg	504.42
934	Propiconazole	Air	ng	7.90
935	Propiconazole	Water	pg	13.20
936	Propiconazole	Soil	ng	462.14
937	Propionic acid	Air	µg	250.69
938	Propionic acid	Water	ng	261.81
939	Propoxycarbazone-sodium (prop)	Soil	pg	253.45
940	Propylamine	Air	ng	9.88
941	Propylamine	Water	ng	23.71
942	Propylene oxide	Air	µg	27.57
943	Propylene oxide	Water	µg	65.45
944	Prosulfuron	Soil	ng	18.42
945	Protactinium-234	Air	mBq	360.71
946	Protactinium-234	Water	mBq	120.19
947	Prothioconazol	Air	pg	0.01
948	Prothioconazol	Water	pg	0.00
949	Prothioconazol	Soil	ng	36.07
950	Pumice	Raw	mg	384.41
951	Pymetrozine	Soil	ng	5.87

952	Pyraclostrobin (prop)	Air	ng	18.60
953	Pyraclostrobin (prop)	Water	pg	6.66
954	Pyraclostrobin (prop)	Soil	µg	9.29
955	Pyrene	Air	pg	979.40
956	Pyrene	Water	µg	5.69
957	Pyrethrin	Soil	ng	63.45
958	Pyrimethanil	Soil	ng	503.28
959	Pyrithiobac sodium salt	Soil	ng	18.98
960	Quinclorac	Soil	ng	1.29
961	Quinoxifen	Soil	ng	2.22
962	Quizalofop-P	Soil	ng	1.74
963	Quizalofop-p-ethyl	Soil	ng	425.51
964	Quizalofop ethyl ester	Air	ng	2.49
965	Quizalofop ethyl ester	Soil	ng	1.65
966	Radioactive species, alpha emitters	Water	µBq	946.65
967	Radioactive species, Nuclides, unspecified	Water	Bq	10.09
968	Radioactive species, other beta emitters	Air	Bq	20.86
969	Radium-224	Water	mBq	898.11
970	Radium-226	Air	Bq	6.51
971	Radium-226	Water	Bq	41.75
972	Radium-228	Air	Bq	2.14
973	Radium-228	Water	Bq	2.59
974	Radon-220	Air	Bq	175.66
975	Radon-222	Air	kBq	558.49
976	Rhenium	Raw	ng	33.73
977	Rhodium, Rh 1.6E-7%, in mixed ore	Raw	ng	3.57
978	Rhodium, Rh 2.0E-5%, Pt 2.5E-4%, Pd 7.3E-4%, Ni 2.3E+0%, Cu 3.2E+0% in ore	Raw	ng	122.67
979	Rhodium, Rh 2.4E-5%, Pt 4.8E-4%, Pd 2.0E-4%, Ni 3.7E-2%, Cu 5.2E-2% in ore	Raw	µg	1.11
980	Rimsulfuron	Soil	ng	52.40
981	Rotenone	Soil	ng	35.53
982	Rubidium	Water	µg	179.62
983	Ruthenium-103	Air	nBq	57.18

984	Ruthenium-103	Water	µBq	291.74
985	Samarium	Raw	µg	1.58
986	Sand	Raw	mg	53.28
987	Scandium	Air	µg	52.82
988	Scandium	Water	mg	105.39
989	Scandium	Soil	µg	3.27
990	Selenium	Air	mg	5.95
991	Selenium	Water	mg	76.37
992	Selenium	Soil	µg	10.24
993	Sethoxydim	Air	ng	5.37
994	Sethoxydim	Soil	ng	10.52
995	Shale	Raw	kg	6.16
996	Silicon	Air	mg	32.52
997	Silicon	Water	g	549.69
998	Silicon	Soil	mg	44.17
999	Silicon dioxide	Water	µg	111.97
1000	Silicon tetrachloride	Air	µg	13.19
1001	Silicon tetrafluoride	Air	ng	849.93
1002	Silthiofam	Soil	ng	3.41
1003	Silver	Air	µg	2.22
1004	Silver	Water	mg	1.47
1005	Silver	Soil	ng	562.87
1006	Silver-110	Air	µBq	3.16
1007	Silver-110	Water	mBq	195.39
1008	Silver, 0.007% in sulfide, Ag 0.004%, Pb, Zn, Cd, In	Raw	µg	283.04
1009	Silver, 3.2ppm in sulfide, Ag 1.2ppm, Cu and Te, in crude ore	Raw	ng	6.24
1010	Silver, Ag 1.5E-4%, Au 6.8E-4%, in ore	Raw	ng	5.63
1011	Silver, Ag 1.5E-5%, Au 5.4E-4%, in ore	Raw	pg	515.07
1012	Silver, Ag 1.8E-6%, in mixed ore	Raw	ng	40.54
1013	Silver, Ag 2.1E-4%, Au 2.1E-4%, in ore	Raw	ng	215.12
1014	Silver, Ag 4.2E-3%, Au 1.1E-4%, in ore	Raw	µg	22.85
1015	Silver, Ag 4.6E-5%, Au 1.3E-4%, in ore	Raw	ng	348.42

1016	Silver, Ag 5.4E-3%, in mixed ore	Raw	µg	4.53
1017	Silver, Ag 7.6E-5%, Au 9.7E-5%, in ore	Raw	ng	71.06
1018	Silver, Ag 9.7E-4%, Au 9.7E-4%, Zn 0.63%, Cu 0.38%, Pb 0.014%, in ore	Raw	µg	423.28
1019	Simazine	Soil	µg	7.22
1020	Sodium	Air	mg	3.52
1021	Sodium	Water	g	213.59
1022	Sodium	Soil	mg	27.33
1023	Sodium-24	Water	mBq	10.26
1024	Sodium chlorate	Air	µg	6.63
1025	Sodium chlorate	Water	ng	77.98
1026	Sodium chloride	Raw	g	8.70
1027	Sodium dichromate	Air	µg	2.58
1028	Sodium formate	Air	ng	704.25
1029	Sodium formate	Water	µg	1.69
1030	Sodium hydroxide	Air	µg	2.09
1031	Sodium nitrate	Raw	ng	3.06
1032	Sodium sulfate	Raw	mg	2.61
1033	Sodium tetrahydroborate	Air	ng	73.73
1034	Solids, inorganic	Water	g	5.52
1035	Spinosad	Soil	ng	57.86
1036	Spiroxamine	Soil	ng	108.81
1037	Spodumene	Raw	µg	10.73
1038	Stibnite	Raw	µg	1.35
1039	Strontium	Raw	µg	199.30
1040	Strontium	Air	mg	20.88
1041	Strontium	Water	g	7.30
1042	Strontium	Soil	µg	248.01
1043	Strontium-89	Water	mBq	7.46
1044	Strontium-90	Water	Bq	1.13
1045	Styrene	Air	µg	724.61
1046	Sulfate	Air	mg	24.57
1047	Sulfate	Water	kg	1.48

1048	Sulfate	Soil	µg	918.66
1049	Sulfentrazone	Air	ng	51.35
1050	Sulfentrazone	Soil	ng	68.14
1051	Sulfide	Water	µg	87.93
1052	Sulfite	Water	µg	931.03
1053	Sulfosate	Soil	ng	271.53
1054	Sulfosulfuron	Soil	pg	910.45
1055	Sulfur	Raw	mg	23.97
1056	Sulfur	Water	mg	6.31
1057	Sulfur	Soil	mg	14.68
1058	Sulfur dioxide	Air	g	95.40
1059	Sulfur hexafluoride	Air	mg	5.29
1060	Sulfur oxides	Air	µg	16.36
1061	Sulfur trioxide	Air	µg	1.45
1062	Sulfuric acid	Air	µg	61.07
1063	Sulfuric acid	Soil	µg	21.55
1064	Suspended solids, unspecified	Water	g	22.29
1065	t-Butyl methyl ether	Air	µg	13.34
1066	t-Butyl methyl ether	Water	ng	607.01
1067	t-Butylamine	Air	ng	17.99
1068	t-Butylamine	Water	ng	43.17
1069	Talc	Raw	mg	30.22
1070	Tantalum	Raw	µg	84.05
1071	Tebuconazole	Air	pg	0.01
1072	Tebuconazole	Water	pg	0.00
1073	Tebuconazole	Soil	ng	230.57
1074	Tebupirimphos	Soil	ng	416.00
1075	Tebutam	Soil	µg	6.08
1076	Technetium-99m	Water	mBq	8.38
1077	Teflubenzuron	Soil	ng	391.90
1078	Tefluthrin	Air	pg	432.38
1079	Tefluthrin	Water	pg	0.00
1080	Tefluthrin	Soil	ng	328.28

1081	Tellurium	Raw	pg	936.54
1082	Tellurium-123m	Water	mBq	1.62
1083	Tellurium-132	Water	µBq	85.02
1084	Terbacil	Soil	µg	4.93
1085	Terbufos	Soil	µg	18.60
1086	Terpenes	Air	µg	16.47
1087	Tetramethyl ammonium hydroxide	Air	µg	2.66
1088	Thallium	Air	µg	3.15
1089	Thallium	Water	mg	6.54
1090	Thallium	Soil	ng	246.21
1091	Thiamethoxam	Soil	µg	16.03
1092	Thiazole, 2-(thiocyanatemethylthio)benzo-	Soil	µg	1.78
1093	Thidiazuron	Soil	ng	33.24
1094	Thifensulfuron	Air	pg	731.80
1095	Thifensulfuron-methyl	Soil	pg	892.38
1096	Thiobencarb	Soil	ng	16.56
1097	Thiodicarb	Air	ng	2.61
1098	Thiodicarb	Soil	pg	111.80
1099	Thiram	Soil	ng	94.33
1100	Thorium	Air	µg	2.90
1101	Thorium-228	Air	Bq	1.15
1102	Thorium-228	Water	Bq	3.59
1103	Thorium-230	Air	mBq	371.08
1104	Thorium-230	Water	Bq	10.18
1105	Thorium-232	Air	Bq	1.68
1106	Thorium-232	Water	mBq	5.94
1107	Thorium-234	Air	mBq	360.71
1108	Thorium-234	Water	mBq	120.24
1109	Tin	Raw	mg	1.82
1110	Tin	Air	µg	584.72
1111	Tin	Water	mg	9.88
1112	Tin	Soil	µg	13.95
1113	TiO ₂ , 54% in ilmenite, 18% in crude ore	Raw	mg	6.99

1114	TiO ₂ , 54% in ilmenite, 2.6% in crude ore	Raw	mg	88.22
1115	TiO ₂ , 95% in rutile, 0.40% in crude ore	Raw	mg	13.59
1116	Titanium	Air	mg	1.80
1117	Titanium	Water	g	4.84
1118	Titanium	Soil	mg	1.42
1119	TOC, Total Organic Carbon	Water	g	3.42
1120	Toluene	Air	mg	40.69
1121	Toluene	Water	mg	2.97
1122	Toluene, 2-chloro-	Air	ng	170.70
1123	Toluene, 2-chloro-	Water	ng	362.06
1124	Tralkoxydim	Soil	ng	893.21
1125	Transformation, from annual crop	Raw	cm ²	17.02
1126	Transformation, from annual crop, greenhouse	Raw	mm ²	6.84
1127	Transformation, from annual crop, irrigated, intensive	Raw	mm ²	92.51
1128	Transformation, from annual crop, non-irrigated	Raw	mm ²	42.47
1129	Transformation, from annual crop, non-irrigated, extensive	Raw	mm ²	472.05
1130	Transformation, from annual crop, non-irrigated, intensive	Raw	cm ²	14.30
1131	Transformation, from cropland fallow (non-use)	Raw	mm ²	0.64
1132	Transformation, from dump site, inert material landfill	Raw	mm ²	32.19
1133	Transformation, from dump site, residual material landfill	Raw	mm ²	151.19
1134	Transformation, from dump site, sanitary landfill	Raw	mm ²	1.85
1135	Transformation, from dump site, slag compartment	Raw	mm ²	0.95
1136	Transformation, from forest, extensive	Raw	mm ²	55.38
1137	Transformation, from forest, intensive	Raw	cm ²	40.98
1138	Transformation, from forest, primary (non-use)	Raw	mm ²	106.18
1139	Transformation, from forest, secondary (non-use)	Raw	mm ²	13.87
1140	Transformation, from forest, unspecified	Raw	mm ²	488.90
1141	Transformation, from grassland, natural (non-use)	Raw	mm ²	4.67
1142	Transformation, from grassland, natural, for livestock grazing	Raw	mm ²	114.31
1143	Transformation, from heterogeneous, agricultural	Raw	mm ²	0.00
1144	Transformation, from industrial area	Raw	mm ²	7.16
1145	Transformation, from mineral extraction site	Raw	mm ²	30.20

1146	Transformation, from pasture, man made	Raw	mm2	474.88
1147	Transformation, from pasture, man made, extensive	Raw	mm2	0.06
1148	Transformation, from pasture, man made, intensive	Raw	mm2	243.17
1149	Transformation, from permanent crop	Raw	mm2	5.74
1150	Transformation, from permanent crop, irrigated	Raw	mm2	49.14
1151	Transformation, from permanent crop, irrigated, intensive	Raw	mm2	23.84
1152	Transformation, from permanent crop, non-irrigated, intensive	Raw	mm2	3.53
1153	Transformation, from seabed, infrastructure	Raw	mm2	0.00
1154	Transformation, from seabed, unspecified	Raw	mm2	76.64
1155	Transformation, from shrub land, sclerophyllous	Raw	mm2	343.97
1156	Transformation, from traffic area, rail/road embankment	Raw	mm2	74.16
1157	Transformation, from traffic area, road network	Raw	mm2	0.00
1158	Transformation, from unknown	Raw	cm2	55.37
1159	Transformation, from unspecified, natural (non-use)	Raw	mm2	0.05
1160	Transformation, from wetland, inland (non-use)	Raw	mm2	0.03
1161	Transformation, to annual crop	Raw	cm2	12.06
1162	Transformation, to annual crop, fallow	Raw	mm2	0.85
1163	Transformation, to annual crop, greenhouse	Raw	mm2	6.84
1164	Transformation, to annual crop, irrigated, extensive	Raw	mm2	4.88
1165	Transformation, to annual crop, irrigated, intensive	Raw	mm2	158.20
1166	Transformation, to annual crop, non-irrigated	Raw	mm2	7.74
1167	Transformation, to annual crop, non-irrigated, extensive	Raw	mm2	479.23
1168	Transformation, to annual crop, non-irrigated, intensive	Raw	cm2	19.22
1169	Transformation, to dump site	Raw	cm2	10.59
1170	Transformation, to dump site, inert material landfill	Raw	mm2	32.19
1171	Transformation, to dump site, residual material landfill	Raw	mm2	151.19
1172	Transformation, to dump site, sanitary landfill	Raw	mm2	1.85
1173	Transformation, to dump site, slag compartment	Raw	mm2	0.95
1174	Transformation, to forest, extensive	Raw	mm2	9.59
1175	Transformation, to forest, intensive	Raw	cm2	41.41
1176	Transformation, to forest, secondary (non-use)	Raw	mm2	0.00
1177	Transformation, to forest, unspecified	Raw	mm2	198.57

1178	Transformation, to grassland, natural (non-use)	Raw	mm2	97.60
1179	Transformation, to heterogeneous, agricultural	Raw	mm2	12.17
1180	Transformation, to industrial area	Raw	cm2	17.77
1181	Transformation, to inland waterbody, unspecified	Raw	mm2	0.01
1182	Transformation, to mineral extraction site	Raw	cm2	13.60
1183	Transformation, to pasture, man made	Raw	mm2	1.89
1184	Transformation, to pasture, man made, extensive	Raw	mm2	0.06
1185	Transformation, to pasture, man made, intensive	Raw	mm2	222.05
1186	Transformation, to permanent crop	Raw	mm2	20.43
1187	Transformation, to permanent crop, irrigated	Raw	mm2	49.14
1188	Transformation, to permanent crop, irrigated, intensive	Raw	mm2	23.84
1189	Transformation, to permanent crop, non-irrigated	Raw	mm2	0.00
1190	Transformation, to permanent crop, non-irrigated, intensive	Raw	mm2	3.53
1191	Transformation, to seabed, drilling and mining	Raw	mm2	76.50
1192	Transformation, to seabed, infrastructure	Raw	mm2	0.14
1193	Transformation, to seabed, unspecified	Raw	mm2	0.00
1194	Transformation, to shrub land, sclerophyllous	Raw	mm2	186.18
1195	Transformation, to traffic area, rail network	Raw	mm2	33.78
1196	Transformation, to traffic area, rail/road embankment	Raw	mm2	116.34
1197	Transformation, to traffic area, road network	Raw	mm2	160.92
1198	Transformation, to unknown	Raw	mm2	12.12
1199	Transformation, to urban, discontinuously built	Raw	mm2	0.29
1200	Transformation, to urban/industrial fallow	Raw	mm2	0.05
1201	Transformation, to water bodies, artificial	Raw	cm2	21.49
1202	Transformation, to wetland, inland (non-use)	Raw	mm2	0.01
1203	Triadimenol	Soil	ng	6.43
1204	Triallate	Soil	ng	2.05
1205	Triasulfuron	Soil	pg	606.98
1206	Tribenuron	Soil	pg	614.49
1207	Tribenuron-methyl	Soil	ng	21.32
1208	Tribufos	Soil	ng	310.92
1209	Tributyltin compounds	Water	µg	317.41
1210	Trichlorfon	Soil	pg	91.68

1211	Triclopyr	Soil	ng	385.97
1212	Triethylene glycol	Water	µg	33.68
1213	Trifloxystrobin	Air	pg	468.23
1214	Trifloxystrobin	Water	pg	0.00
1215	Trifloxystrobin	Soil	ng	69.23
1216	Trifluralin	Air	ng	739.52
1217	Trifluralin	Soil	µg	3.62
1218	Triforine	Soil	ng	105.76
1219	Trimethylamine	Air	ng	5.53
1220	Trimethylamine	Water	ng	13.27
1221	Trinexapac-ethyl	Soil	ng	774.69
1222	Trioctyltin	Water	pg	0.03
1223	Triphenyltin	Water	pg	0.01
1224	Trisodium phosphate	Air	ng	81.83
1225	Tungsten	Air	µg	5.75
1226	Tungsten	Water	mg	34.81
1227	Ulexite	Raw	mg	4.89
1228	Uranium	Raw	mg	28.49
1229	Uranium	Air	µg	3.85
1230	Uranium-234	Air	mBq	747.00
1231	Uranium-234	Water	mBq	139.11
1232	Uranium-235	Air	mBq	2.48
1233	Uranium-235	Water	mBq	155.21
1234	Uranium-238	Air	Bq	5.55
1235	Uranium-238	Water	mBq	319.93
1236	Uranium alpha	Air	mBq	285.68
1237	Uranium alpha	Water	Bq	4.69
1238	Urea	Water	ng	97.73
1239	Vanadium	Air	mg	6.72
1240	Vanadium	Water	mg	434.15
1241	Vanadium	Soil	µg	106.15
1242	Vermiculite	Raw	mg	56.16
1243	Vinclozolin	Soil	ng	4.03

1244	VOC, volatile organic compounds, unspecified origin	Air	ng	241.30
1245	VOC, volatile organic compounds, unspecified origin	Water	mg	6.60
1246	Volume occupied, final repository for low-active radioactive waste	Raw	mm3	114.29
1247	Volume occupied, final repository for radioactive waste	Raw	mm3	8.51
1248	Volume occupied, reservoir	Raw	m3d ay	115.98
1249	Volume occupied, underground deposit	Raw	mm3	29.59
1250	Water, AR	Water	cm3	1.21
1251	Water, AT	Water	l	76.24
1252	Water, AU	Water	l	185.61
1253	Water, BA	Water	l	16.99
1254	Water, BE	Water	l	1.02
1255	Water, BG	Water	l	9.72
1256	Water, BR	Water	l	88.12
1257	Water, CA	Water	l	126.67
1258	Water, CH	Water	l	226.77
1259	Water, CI	Water	cm3	2.75
1260	Water, CL	Water	l	28.57
1261	Water, CN	Water	m3	1.17
1262	Water, CO	Water	mm3	89.48
1263	Water, cooling, unspecified natural origin, AT	Raw	cm3	28.27
1264	Water, cooling, unspecified natural origin, AU	Raw	l	2.41
1265	Water, cooling, unspecified natural origin, BA	Raw	cm3	25.87
1266	Water, cooling, unspecified natural origin, BE	Raw	cm3	139.17
1267	Water, cooling, unspecified natural origin, BG	Raw	cm3	164.41
1268	Water, cooling, unspecified natural origin, BR	Raw	cm3	212.38
1269	Water, cooling, unspecified natural origin, CA	Raw	cm3	732.82
1270	Water, cooling, unspecified natural origin, CH	Raw	cm3	687.73
1271	Water, cooling, unspecified natural origin, CL	Raw	cm3	56.83
1272	Water, cooling, unspecified natural origin, CN	Raw	l	7.00
1273	Water, cooling, unspecified natural origin, CY	Raw	cm3	7.10
1274	Water, cooling, unspecified natural origin, CZ	Raw	l	1.22
1275	Water, cooling, unspecified natural origin, DE	Raw	l	1.35

1276	Water, cooling, unspecified natural origin, DK	Raw	cm3	34.92
1277	Water, cooling, unspecified natural origin, EE	Raw	cm3	46.39
1278	Water, cooling, unspecified natural origin, ES	Raw	cm3	360.06
1279	Water, cooling, unspecified natural origin, Europe without Switzerland	Raw	cm3	177.41
1280	Water, cooling, unspecified natural origin, FI	Raw	cm3	103.18
1281	Water, cooling, unspecified natural origin, FR	Raw	l	2.07
1282	Water, cooling, unspecified natural origin, GB	Raw	cm3	513.76
1283	Water, cooling, unspecified natural origin, GLO	Raw	cm3	458.14
1284	Water, cooling, unspecified natural origin, GR	Raw	cm3	303.43
1285	Water, cooling, unspecified natural origin, HR	Raw	cm3	11.15
1286	Water, cooling, unspecified natural origin, HU	Raw	cm3	82.29
1287	Water, cooling, unspecified natural origin, IAI Area, Africa	Raw	mm3	91.85
1288	Water, cooling, unspecified natural origin, IAI Area, Asia, without China and GCC	Raw	mm3	0.07
1289	Water, cooling, unspecified natural origin, IAI Area, EU27 & EFTA	Raw	mm3	436.27
1290	Water, cooling, unspecified natural origin, IAI Area, Gulf Cooperation Council	Raw	mm3	0.12
1291	Water, cooling, unspecified natural origin, IAI Area, Russia & RER w/o EU27 & EFTA	Raw	mm3	487.69
1292	Water, cooling, unspecified natural origin, IAI Area, South America	Raw	mm3	68.27
1293	Water, cooling, unspecified natural origin, ID	Raw	l	2.74
1294	Water, cooling, unspecified natural origin, IE	Raw	cm3	33.63
1295	Water, cooling, unspecified natural origin, IN	Raw	m3	1.75
1296	Water, cooling, unspecified natural origin, IR	Raw	cm3	508.24
1297	Water, cooling, unspecified natural origin, IS	Raw	mm3	17.88
1298	Water, cooling, unspecified natural origin, IT	Raw	cm3	326.95
1299	Water, cooling, unspecified natural origin, JP	Raw	cm3	977.67
1300	Water, cooling, unspecified natural origin, KR	Raw	cm3	794.23
1301	Water, cooling, unspecified natural origin, LT	Raw	cm3	8.53
1302	Water, cooling, unspecified natural origin, LU	Raw	cm3	4.05
1303	Water, cooling, unspecified natural origin, LV	Raw	cm3	10.79
1304	Water, cooling, unspecified natural origin, MA	Raw	cm3	1.03

1305	Water, cooling, unspecified natural origin, MK	Raw	cm3	12.85
1306	Water, cooling, unspecified natural origin, MT	Raw	cm3	6.74
1307	Water, cooling, unspecified natural origin, MX	Raw	cm3	281.30
1308	Water, cooling, unspecified natural origin, MY	Raw	cm3	185.34
1309	Water, cooling, unspecified natural origin, NL	Raw	cm3	181.40
1310	Water, cooling, unspecified natural origin, NO	Raw	cm3	7.53
1311	Water, cooling, unspecified natural origin, NP	Raw	mm3	1.71
1312	Water, cooling, unspecified natural origin, OCE	Raw	mm3	6.73
1313	Water, cooling, unspecified natural origin, PE	Raw	cm3	37.43
1314	Water, cooling, unspecified natural origin, PH	Raw	mm3	22.66
1315	Water, cooling, unspecified natural origin, PL	Raw	l	1.36
1316	Water, cooling, unspecified natural origin, PT	Raw	cm3	36.08
1317	Water, cooling, unspecified natural origin, RER	Raw	l	2.46
1318	Water, cooling, unspecified natural origin, RNA	Raw	mm3	566.88
1319	Water, cooling, unspecified natural origin, RO	Raw	cm3	267.94
1320	Water, cooling, unspecified natural origin, RoW	Raw	l	8.84
1321	Water, cooling, unspecified natural origin, RS	Raw	cm3	292.49
1322	Water, cooling, unspecified natural origin, RU	Raw	l	5.24
1323	Water, cooling, unspecified natural origin, SA	Raw	cm3	455.70
1324	Water, cooling, unspecified natural origin, SE	Raw	cm3	221.97
1325	Water, cooling, unspecified natural origin, SI	Raw	cm3	176.63
1326	Water, cooling, unspecified natural origin, SK	Raw	cm3	212.58
1327	Water, cooling, unspecified natural origin, TH	Raw	cm3	171.67
1328	Water, cooling, unspecified natural origin, TR	Raw	cm3	295.72
1329	Water, cooling, unspecified natural origin, TW	Raw	cm3	285.17
1330	Water, cooling, unspecified natural origin, TZ	Raw	cm3	6.94
1331	Water, cooling, unspecified natural origin, UA	Raw	cm3	477.90
1332	Water, cooling, unspecified natural origin, US	Raw	l	5.06
1333	Water, cooling, unspecified natural origin, WEU	Raw	mm3	4.80
1334	Water, cooling, unspecified natural origin, ZA	Raw	cm3	85.44
1335	Water, CR	Water	mm3	31.72
1336	Water, CY	Water	cm3	7.06
1337	Water, CZ	Water	l	4.28

1338	Water, DE	Water	l	40.68
1339	Water, DK	Water	cm3	44.01
1340	Water, EC	Water	mm3	360.19
1341	Water, EE	Water	cm3	111.32
1342	Water, ES	Water	l	51.88
1343	Water, Europe without Switzerland	Water	cm3	112.51
1344	Water, Europe, without Russia and Turkey	Water	cm3	6.92
1345	Water, FI	Water	l	17.20
1346	Water, FR	Water	l	206.56
1347	Water, GB	Water	l	9.14
1348	Water, GH	Water	cm3	2.69
1349	Water, GLO	Water	cm3	960.97
1350	Water, GR	Water	l	9.20
1351	Water, HN	Water	mm3	3.38
1352	Water, HR	Water	cm3	813.79
1353	Water, HU	Water	cm3	653.37
1354	Water, IAI Area, Africa	Water	cm3	7.84
1355	Water, IAI Area, Asia, without China and GCC	Water	cm3	10.05
1356	Water, IAI Area, EU27 & EFTA	Water	cm3	28.00
1357	Water, IAI Area, Gulf Cooperation Council	Water	cm3	41.84
1358	Water, IAI Area, Russia & RER w/o EU27 & EFTA	Water	cm3	19.92
1359	Water, IAI Area, South America	Water	cm3	3.44
1360	Water, ID	Water	l	33.43
1361	Water, IE	Water	l	1.29
1362	Water, IL	Water	mm3	11.64
1363	Water, IN	Water	m3	251.41
1364	Water, IR	Water	l	19.59
1365	Water, IS	Water	l	19.23
1366	Water, IT	Water	l	36.54
1367	Water, JP	Water	l	72.71
1368	Water, KR	Water	l	3.75
1369	Water, lake, CA	Raw	cm3	11.80
1370	Water, lake, CH	Raw	cm3	5.92

1371	Water, lake, CN	Raw	mm3	0.07
1372	Water, lake, DE	Raw	mm3	42.31
1373	Water, lake, Europe without Switzerland	Raw	cm3	8.46
1374	Water, lake, GLO	Raw	mm3	34.57
1375	Water, lake, RER	Raw	mm3	28.05
1376	Water, lake, RNA	Raw	mm3	0.02
1377	Water, lake, RoW	Raw	cm3	161.93
1378	Water, lake, SE	Raw	mm3	0.05
1379	Water, lake, US	Raw	mm3	0.02
1380	Water, LT	Water	cm3	794.58
1381	Water, LU	Water	cm3	596.73
1382	Water, LV	Water	l	4.43
1383	Water, MA	Water	mm3	672.07
1384	Water, MK	Water	cm3	520.63
1385	Water, MT	Water	cm3	6.72
1386	Water, MX	Water	l	47.87
1387	Water, MY	Water	l	3.24
1388	Water, NL	Water	cm3	389.35
1389	Water, NO	Water	l	7.28
1390	Water, NORDEL	Water	mm3	17.69
1391	Water, NP	Water	l	4.48
1392	Water, NZ	Water	mm3	0.25
1393	Water, OCE	Water	cm3	1.39
1394	Water, PE	Water	cm3	502.68
1395	Water, PG	Water	mm3	121.70
1396	Water, PH	Water	cm3	1.29
1397	Water, PL	Water	l	5.33
1398	Water, PT	Water	l	21.35
1399	Water, RAF	Water	cm3	36.92
1400	Water, RAS	Water	cm3	38.44
1401	Water, RER	Water	l	2.41
1402	Water, river, AT	Raw	mm3	3.62
1403	Water, river, AU	Raw	cm3	3.70

1404	Water, river, BE	Raw	mm3	15.67
1405	Water, river, BG	Raw	mm3	4.89
1406	Water, river, BR	Raw	cm3	21.65
1407	Water, river, CA	Raw	cm3	139.34
1408	Water, river, CH	Raw	cm3	76.93
1409	Water, river, CN	Raw	cm3	81.47
1410	Water, river, CZ	Raw	mm3	0.06
1411	Water, river, DE	Raw	cm3	5.69
1412	Water, river, DK	Raw	mm3	9.09
1413	Water, river, ES	Raw	cm3	5.76
1414	Water, river, Europe without Switzerland	Raw	cm3	160.79
1415	Water, river, FI	Raw	mm3	3.23
1416	Water, river, FR	Raw	mm3	955.01
1417	Water, river, GB	Raw	mm3	47.31
1418	Water, river, GLO	Raw	cm3	55.88
1419	Water, river, HU	Raw	mm3	2.88
1420	Water, river, IN	Raw	cm3	37.62
1421	Water, river, IT	Raw	mm3	103.87
1422	Water, river, JP	Raw	mm3	0.00
1423	Water, river, KR	Raw	cm3	9.80
1424	Water, river, LU	Raw	mm3	0.04
1425	Water, river, MY	Raw	cm3	2.65
1426	Water, river, NL	Raw	mm3	16.17
1427	Water, river, NO	Raw	mm3	1.39
1428	Water, river, PE	Raw	mm3	1.22
1429	Water, river, PH	Raw	cm3	12.13
1430	Water, river, PL	Raw	mm3	0.78
1431	Water, river, PT	Raw	mm3	2.81
1432	Water, river, RAS	Raw	cm3	78.27
1433	Water, river, RER	Raw	l	23.40
1434	Water, river, RLA	Raw	cm3	20.51
1435	Water, river, RNA	Raw	cm3	36.59
1436	Water, river, RO	Raw	cm3	10.17

1437	Water, river, RoW	Raw	l	60.18
1438	Water, river, RU	Raw	cm3	5.18
1439	Water, river, SE	Raw	mm3	93.58
1440	Water, river, SK	Raw	mm3	0.01
1441	Water, river, TN	Raw	mm3	190.31
1442	Water, river, TZ	Raw	mm3	18.74
1443	Water, river, US	Raw	cm3	40.38
1444	Water, river, WEU	Raw	mm3	0.00
1445	Water, river, ZA	Raw	cm3	117.14
1446	Water, RLA	Water	cm3	43.15
1447	Water, RME	Water	cm3	363.03
1448	Water, RNA	Water	cm3	173.58
1449	Water, RO	Water	l	41.61
1450	Water, RoW	Water	m3	1.66
1451	Water, RS	Water	l	18.22
1452	Water, RU	Water	l	398.80
1453	Water, SA	Water	cm3	457.58
1454	Water, salt, ocean	Raw	cm3	534.53
1455	Water, salt, sole	Raw	cm3	220.47
1456	Water, SE	Water	l	113.88
1457	Water, SI	Water	l	17.34
1458	Water, SK	Water	l	9.98
1459	Water, TH	Water	l	1.39
1460	Water, TR	Water	l	30.72
1461	Water, turbine use, unspecified natural origin, AT	Raw	l	76.24
1462	Water, turbine use, unspecified natural origin, AU	Raw	l	181.84
1463	Water, turbine use, unspecified natural origin, BA	Raw	l	16.97
1464	Water, turbine use, unspecified natural origin, BE	Raw	cm3	880.63
1465	Water, turbine use, unspecified natural origin, BG	Raw	l	9.57
1466	Water, turbine use, unspecified natural origin, BR	Raw	l	88.23
1467	Water, turbine use, unspecified natural origin, CA	Raw	l	126.35
1468	Water, turbine use, unspecified natural origin, CH	Raw	l	226.54
1469	Water, turbine use, unspecified natural origin, CL	Raw	l	28.51

1470	Water, turbine use, unspecified natural origin, CN	Raw	m3	1.16
1471	Water, turbine use, unspecified natural origin, CZ	Raw	l	3.10
1472	Water, turbine use, unspecified natural origin, DE	Raw	l	39.39
1473	Water, turbine use, unspecified natural origin, DK	Raw	cm3	31.24
1474	Water, turbine use, unspecified natural origin, EE	Raw	cm3	66.42
1475	Water, turbine use, unspecified natural origin, ES	Raw	l	51.54
1476	Water, turbine use, unspecified natural origin, FI	Raw	l	17.11
1477	Water, turbine use, unspecified natural origin, FR	Raw	l	204.51
1478	Water, turbine use, unspecified natural origin, GB	Raw	l	8.62
1479	Water, turbine use, unspecified natural origin, GLO	Raw	mm3	389.65
1480	Water, turbine use, unspecified natural origin, GR	Raw	l	8.90
1481	Water, turbine use, unspecified natural origin, HR	Raw	cm3	816.01
1482	Water, turbine use, unspecified natural origin, HU	Raw	cm3	572.26
1483	Water, turbine use, unspecified natural origin, ID	Raw	l	25.53
1484	Water, turbine use, unspecified natural origin, IE	Raw	l	1.26
1485	Water, turbine use, unspecified natural origin, IN	Raw	m3	249.65
1486	Water, turbine use, unspecified natural origin, IR	Raw	l	19.08
1487	Water, turbine use, unspecified natural origin, IS	Raw	l	19.30
1488	Water, turbine use, unspecified natural origin, IT	Raw	l	36.28
1489	Water, turbine use, unspecified natural origin, JP	Raw	l	71.77
1490	Water, turbine use, unspecified natural origin, KR	Raw	l	2.98
1491	Water, turbine use, unspecified natural origin, LT	Raw	cm3	787.13
1492	Water, turbine use, unspecified natural origin, LU	Raw	cm3	592.68
1493	Water, turbine use, unspecified natural origin, LV	Raw	l	4.42
1494	Water, turbine use, unspecified natural origin, MK	Raw	cm3	509.01
1495	Water, turbine use, unspecified natural origin, MX	Raw	l	47.58
1496	Water, turbine use, unspecified natural origin, MY	Raw	l	3.06
1497	Water, turbine use, unspecified natural origin, NL	Raw	cm3	228.32
1498	Water, turbine use, unspecified natural origin, NO	Raw	l	7.52
1499	Water, turbine use, unspecified natural origin, NP	Raw	l	4.48
1500	Water, turbine use, unspecified natural origin, PE	Raw	cm3	481.88
1501	Water, turbine use, unspecified natural origin, PL	Raw	l	4.16
1502	Water, turbine use, unspecified natural origin, PT	Raw	l	21.32

1503	Water, turbine use, unspecified natural origin, RER	Raw	cm3	17.15
1504	Water, turbine use, unspecified natural origin, RNA	Raw	mm3	14.81
1505	Water, turbine use, unspecified natural origin, RO	Raw	l	41.36
1506	Water, turbine use, unspecified natural origin, RoW	Raw	m3	1.65
1507	Water, turbine use, unspecified natural origin, RS	Raw	l	17.93
1508	Water, turbine use, unspecified natural origin, RU	Raw	l	393.77
1509	Water, turbine use, unspecified natural origin, SE	Raw	l	113.68
1510	Water, turbine use, unspecified natural origin, SI	Raw	l	17.17
1511	Water, turbine use, unspecified natural origin, SK	Raw	l	9.78
1512	Water, turbine use, unspecified natural origin, TH	Raw	l	1.22
1513	Water, turbine use, unspecified natural origin, TR	Raw	l	30.44
1514	Water, turbine use, unspecified natural origin, TW	Raw	l	5.40
1515	Water, turbine use, unspecified natural origin, TZ	Raw	cm3	612.14
1516	Water, turbine use, unspecified natural origin, UA	Raw	l	15.07
1517	Water, turbine use, unspecified natural origin, US	Raw	l	304.58
1518	Water, turbine use, unspecified natural origin, ZA	Raw	cm3	838.70
1519	Water, TW	Water	l	5.68
1520	Water, TZ	Water	cm3	616.95
1521	Water, UA	Water	l	15.55
1522	Water, UCTE	Water	mm3	2.55
1523	Water, UCTE without Germany	Water	mm3	0.22
1524	Water, unspecified natural origin, AT	Raw	mm3	2.30
1525	Water, unspecified natural origin, AU	Raw	mm3	0.03
1526	Water, unspecified natural origin, BE	Raw	mm3	20.20
1527	Water, unspecified natural origin, BG	Raw	mm3	1.24
1528	Water, unspecified natural origin, BR	Raw	mm3	34.52
1529	Water, unspecified natural origin, CA	Raw	cm3	5.68
1530	Water, unspecified natural origin, CH	Raw	cm3	261.24
1531	Water, unspecified natural origin, CL	Raw	mm3	0.14
1532	Water, unspecified natural origin, CN	Raw	cm3	17.65
1533	Water, unspecified natural origin, CO	Raw	mm3	5.20
1534	Water, unspecified natural origin, CZ	Raw	mm3	5.50
1535	Water, unspecified natural origin, DE	Raw	mm3	76.12

1536	Water, unspecified natural origin, DK	Raw	mm3	2.30
1537	Water, unspecified natural origin, EE	Raw	mm3	0.28
1538	Water, unspecified natural origin, ES	Raw	mm3	9.76
1539	Water, unspecified natural origin, Europe without Switzerland	Raw	cm3	23.17
1540	Water, unspecified natural origin, FI	Raw	mm3	3.73
1541	Water, unspecified natural origin, FR	Raw	mm3	33.85
1542	Water, unspecified natural origin, GB	Raw	mm3	12.45
1543	Water, unspecified natural origin, GLO	Raw	cm3	286.77
1544	Water, unspecified natural origin, HN	Raw	mm3	3.38
1545	Water, unspecified natural origin, HU	Raw	mm3	1.16
1546	Water, unspecified natural origin, IAI Area, Africa	Raw	cm3	1.01
1547	Water, unspecified natural origin, IAI Area, Asia, without China and GCC	Raw	cm3	1.78
1548	Water, unspecified natural origin, IAI Area, EU27 & EFTA	Raw	cm3	4.72
1549	Water, unspecified natural origin, IAI Area, Gulf Cooperation Council	Raw	mm3	90.17
1550	Water, unspecified natural origin, IAI Area, Russia & RER w/o EU27 & EFTA	Raw	cm3	7.27
1551	Water, unspecified natural origin, IAI Area, South America	Raw	cm3	2.00
1552	Water, unspecified natural origin, ID	Raw	mm3	8.24
1553	Water, unspecified natural origin, IN	Raw	l	1.35
1554	Water, unspecified natural origin, IT	Raw	mm3	41.12
1555	Water, unspecified natural origin, JP	Raw	mm3	75.71
1556	Water, unspecified natural origin, KR	Raw	mm3	25.34
1557	Water, unspecified natural origin, LU	Raw	mm3	0.02
1558	Water, unspecified natural origin, MX	Raw	mm3	0.04
1559	Water, unspecified natural origin, NL	Raw	mm3	24.28
1560	Water, unspecified natural origin, NO	Raw	mm3	1.24
1561	Water, unspecified natural origin, OCE	Raw	cm3	2.00
1562	Water, unspecified natural origin, PG	Raw	mm3	14.86
1563	Water, unspecified natural origin, PH	Raw	mm3	5.66
1564	Water, unspecified natural origin, PL	Raw	mm3	4.01
1565	Water, unspecified natural origin, PT	Raw	mm3	0.71

1566	Water, unspecified natural origin, RAF	Raw	cm3	43.43
1567	Water, unspecified natural origin, RER	Raw	cm3	239.39
1568	Water, unspecified natural origin, RER w/o CH+DE	Raw	mm3	0.00
1569	Water, unspecified natural origin, RLA	Raw	cm3	2.54
1570	Water, unspecified natural origin, RME	Raw	cm3	427.10
1571	Water, unspecified natural origin, RNA	Raw	cm3	19.50
1572	Water, unspecified natural origin, RoW	Raw	l	3.32
1573	Water, unspecified natural origin, RU	Raw	cm3	60.78
1574	Water, unspecified natural origin, SE	Raw	mm3	8.15
1575	Water, unspecified natural origin, SK	Raw	mm3	0.12
1576	Water, unspecified natural origin, TH	Raw	mm3	0.03
1577	Water, unspecified natural origin, TR	Raw	mm3	4.37
1578	Water, unspecified natural origin, TW	Raw	mm3	0.23
1579	Water, unspecified natural origin, UA	Raw	mm3	1.53
1580	Water, unspecified natural origin, US	Raw	cm3	16.90
1581	Water, unspecified natural origin, VN	Raw	mm3	15.35
1582	Water, unspecified natural origin, WEU	Raw	mm3	0.52
1583	Water, unspecified natural origin, ZA	Raw	cm3	47.96
1584	Water, US	Water	l	309.64
1585	Water, VN	Water	mm3	256.79
1586	Water, well, AT	Raw	mm3	0.01
1587	Water, well, AU	Raw	l	1.37
1588	Water, well, BE	Raw	mm3	0.04
1589	Water, well, BG	Raw	mm3	0.00
1590	Water, well, BR	Raw	cm3	5.00
1591	Water, well, CA	Raw	cm3	11.35
1592	Water, well, CH	Raw	cm3	19.57
1593	Water, well, CN	Raw	cm3	310.68
1594	Water, well, CZ	Raw	mm3	0.00
1595	Water, well, DE	Raw	cm3	2.65
1596	Water, well, DK	Raw	mm3	0.01
1597	Water, well, ES	Raw	cm3	3.39
1598	Water, well, Europe without Switzerland	Raw	cm3	30.50

1599	Water, well, Europe, without Russia and Turkey	Raw	cm3	6.22
1600	Water, well, FI	Raw	mm3	0.00
1601	Water, well, FR	Raw	mm3	729.43
1602	Water, well, GB	Raw	mm3	0.04
1603	Water, well, GLO	Raw	cm3	30.56
1604	Water, well, HU	Raw	mm3	0.00
1605	Water, well, ID	Raw	l	5.26
1606	Water, well, IN	Raw	l	48.51
1607	Water, well, IS	Raw	mm3	0.03
1608	Water, well, IT	Raw	mm3	0.12
1609	Water, well, JP	Raw	mm3	0.02
1610	Water, well, LU	Raw	mm3	0.00
1611	Water, well, MA	Raw	mm3	65.10
1612	Water, well, MX	Raw	mm3	0.04
1613	Water, well, MY	Raw	mm3	230.82
1614	Water, well, NL	Raw	mm3	0.03
1615	Water, well, NO	Raw	mm3	0.00
1616	Water, well, NORDEL	Raw	mm3	20.81
1617	Water, well, PE	Raw	mm3	1.98
1618	Water, well, PG	Raw	mm3	128.32
1619	Water, well, PH	Raw	cm3	1.90
1620	Water, well, PL	Raw	mm3	0.00
1621	Water, well, PT	Raw	mm3	0.00
1622	Water, well, RER	Raw	cm3	83.24
1623	Water, well, RLA	Raw	cm3	33.19
1624	Water, well, RNA	Raw	cm3	97.31
1625	Water, well, RoW	Raw	cm3	939.98
1626	Water, well, RU	Raw	cm3	95.17
1627	Water, well, SE	Raw	mm3	13.20
1628	Water, well, SK	Raw	mm3	0.00
1629	Water, well, TH	Raw	mm3	0.00
1630	Water, well, TN	Raw	mm3	292.70
1631	Water, well, TR	Raw	mm3	0.22

1632	Water, well, US	Raw	cm3	62.51
1633	Water, well, WEU	Raw	mm3	0.01
1634	Water, well, ZA	Raw	cm3	131.73
1635	Water, WEU	Water	mm3	3.37
1636	Water, ZA	Water	l	1.03
1637	Water/m3	Air	l	130.48
1638	Water/m3	Water	cm3	3.80
1639	Wood, hard, standing	Raw	cm3	292.93
1640	Wood, soft, standing	Raw	cm3	20.50
1641	Wood, unspecified, standing/m3	Raw	mm3	1.08
1642	Xenon	Raw	µg	4.24
1643	Xenon-131m	Air	Bq	4.64
1644	Xenon-133	Air	Bq	670.75
1645	Xenon-133m	Air	mBq	162.45
1646	Xenon-135	Air	Bq	205.58
1647	Xenon-135m	Air	Bq	42.90
1648	Xenon-137	Air	Bq	1.36
1649	Xenon-138	Air	Bq	10.13
1650	Xylene	Air	mg	207.28
1651	Xylene	Water	mg	2.17
1652	Zeta-cypermethrin	Air	ng	3.08
1653	Zeta-cypermethrin	Soil	pg	132.10
1654	Zinc	Raw	mg	349.42
1655	Zinc	Air	mg	18.80
1656	Zinc	Water	g	2.08
1657	Zinc	Soil	mg	3.22
1658	Zinc-65	Air	µBq	10.95
1659	Zinc-65	Water	mBq	37.58
1660	Zinc, Zn 0.63%, Au 9.7E-4%, Ag 9.7E-4%, Cu 0.38%, Pb 0.014%, in ore	Raw	mg	53.82
1661	Zinc, Zn 3.1%, in mixed ore	Raw	mg	2.57
1662	Zirconium	Raw	mg	13.19
1663	Zirconium	Air	ng	34.51

1664	Zirconium-95	Air	µBq	58.60
1665	Zirconium-95	Water	mBq	67.46

Table S8. Inventory of emissions for lipid to BTEX process: CML-IA baseline V3.05 / EU25 (compartment: all compartments, per sub-compartment: no, default units: no, exclude infrastructure processes: no, sort order: descending).

No	Substance	Compartment	Unit	Total
1	1-Butanol	Air	ng	381.13
2	1-Butanol	Water	µg	15.64
3	1-Pentanol	Air	ng	70.14
4	1-Pentanol	Water	ng	168.33
5	1-Pentene	Air	ng	85.94
6	1-Pentene	Water	ng	127.20
7	1-Propanol	Air	mg	5.76
8	1-Propanol	Water	ng	200.22
9	1,3-Dioxolan-2-one	Water	µg	108.67
10	1,4-Butanediol	Air	ng	256.51
11	1,4-Butanediol	Water	ng	529.31
12	2-Aminopropanol	Air	ng	48.04
13	2-Aminopropanol	Water	ng	116.00
14	2-Butene, 2-methyl-	Air	pg	345.91
15	2-Butene, 2-methyl-	Water	pg	830.20
16	2-Chlorobenzaldehyde	Water	ng	31.41
17	2-Methyl-1-propanol	Air	ng	116.19
18	2-Methyl-1-propanol	Water	ng	278.86
19	2-Methyl-4-chlorophenoxyacetic acid	Air	ng	4.91
20	2-Methyl-4-chlorophenoxyacetic acid	Water	ng	11.56
21	2-Methyl-4-chlorophenoxyacetic acid	Soil	µg	18.21
22	2-Nitrobenzoic acid	Air	ng	36.11
23	2-Propanol	Air	mg	1.84
24	2-Propanol	Water	µg	27.64
25	2,4-D	Air	µg	1.53
26	2,4-D	Soil	µg	125.92
27	2,4-D ester	Air	ng	27.38
28	2,4-D ester	Water	ng	3.22
29	2,4-D ester	Soil	ng	125.81

30	2,4-D, dimethylamine salt	Air	ng	2.35
31	2,4-D, dimethylamine salt	Water	ng	14.64
32	2,4-D, dimethylamine salt	Soil	ng	467.84
33	2,4-di-tert-butylphenol	Water	ng	141.72
34	4-Methyl-2-pentanol	Water	pg	1.02
35	4-Methyl-2-pentanone	Air	ng	7.30
36	4-Methyl-2-pentanone	Water	µg	5.28
37	Abamectin	Soil	ng	106.38
38	Acenaphthene	Air	µg	11.36
39	Acenaphthene	Water	µg	5.86
40	Acenaphthylene	Air	ng	23.46
41	Acenaphthylene	Water	ng	36.62
42	Acephate	Air	ng	162.47
43	Acephate	Soil	µg	13.73
44	Acetaldehyde	Air	mg	8.27
45	Acetaldehyde	Water	µg	77.44
46	Acetamide	Air	ng	39.99
47	Acetamide	Soil	µg	2.83
48	Acetamiprid	Soil	µg	3.58
49	Acetic acid	Air	mg	9.59
50	Acetic acid	Water	µg	203.05
51	Acetochlor	Soil	µg	74.88
52	Acetone	Air	mg	3.55
53	Acetone	Water	µg	709.71
54	Acetonitrile	Air	µg	60.62
55	Acetonitrile	Water	ng	23.48
56	Acetyl chloride	Water	ng	132.23
57	Acidity, unspecified	Water	µg	541.87
58	Acifluorfen	Air	ng	22.30
59	Acifluorfen	Soil	pg	956.02
60	Aclonifen	Soil	ng	56.18
61	Acrinathrin	Soil	ng	5.11
62	Acrolein	Air	mg	4.42

63	Acrylate	Water	µg	4.57
64	Acrylic acid	Air	µg	1.93
65	Acrylonitrile	Air	ng	767.16
66	Acrylonitrile	Water	ng	18.41
67	Actinides, radioactive, unspecified	Air	Bq	18.00
68	Actinides, radioactive, unspecified	Water	mBq	50.67
69	Aerosols, radioactive, unspecified	Air	mBq	1.18
70	Alachlor	Air	ng	157.83
71	Alachlor	Soil	µg	11.17
72	Aldehydes, unspecified	Air	mg	8.40
73	Aldicarb	Soil	µg	38.47
74	Aldrin	Soil	µg	25.23
75	Allyl chloride	Water	µg	98.38
76	Alpha-cypermethrin	Soil	ng	59.31
77	Aluminium	Raw	g	10.14
78	Aluminium	Air	g	16.37
79	Aluminium	Water	g	280.34
80	Aluminium	Soil	mg	103.02
81	Aluminium hydroxide	Water	ng	263.10
82	Ametryn	Soil	µg	1.22
83	Amidosulfuron	Soil	ng	3.29
84	Amine oxide	Air	ng	134.09
85	Ammonia	Air	g	6.85
86	Ammonium carbonate	Air	µg	13.04
87	Ammonium, ion	Water	mg	127.97
88	Anhydrite	Raw	µg	79.10
89	Aniline	Air	ng	319.41
90	Aniline	Water	µg	10.17
91	Anthracene	Air	pg	0.64
92	Anthracene	Water	µg	1.17
93	Anthranilic acid	Air	ng	27.57
94	Anthraquinone	Soil	µg	1.11
95	Antimony	Air	mg	21.10

96	Antimony	Water	mg	73.53
97	Antimony	Soil	µg	15.27
98	Antimony-122	Water	mBq	2.80
99	Antimony-124	Air	µBq	2.45
100	Antimony-124	Water	mBq	576.75
101	Antimony-125	Air	µBq	72.37
102	Antimony-125	Water	mBq	130.27
103	AOX, Adsorbable Organic Halogen as Cl	Water	mg	1.31
104	Argon-40	Raw	mg	850.81
105	Argon-40	Air	mg	156.11
106	Argon-41	Air	mBq	873.37
107	Arsenic	Air	mg	13.39
108	Arsenic	Water	mg	640.24
109	Arsenic	Soil	µg	31.10
110	Arsine	Air	pg	22.49
111	Asulam	Soil	ng	125.17
112	Atrazine	Air	ng	156.55
113	Atrazine	Water	ng	178.90
114	Atrazine	Soil	µg	153.00
115	Azinphos-methyl	Soil	ng	34.08
116	Azoxystrobin	Air	ng	73.81
117	Azoxystrobin	Soil	µg	37.77
118	Barite	Raw	g	5.61
119	Barite	Water	mg	167.45
120	Barium	Air	mg	77.19
121	Barium	Water	g	2.02
122	Barium	Soil	mg	17.81
123	Barium-140	Air	µBq	845.52
124	Barium-140	Water	mBq	2.20
125	Barium sulfide	Water	ng	136.57
126	Basalt	Raw	mg	926.20
127	Benfluralin	Soil	µg	8.26
128	Benomyl	Soil	ng	24.72

129	Bensulfuron methyl ester	Soil	ng	1.07
130	Bentazone	Air	ng	72.67
131	Bentazone	Water	ng	31.26
132	Bentazone	Soil	ng	985.11
133	Benzal chloride	Air	ng	17.07
134	Benzal chloride	Water	ng	40.70
135	Benzaldehyde	Air	mg	1.63
136	Benzaldehyde	Water	ng	13.34
137	Benzene	Air	mg	264.55
138	Benzene	Water	mg	9.08
139	Benzene, 1-methyl-2-nitro-	Air	ng	31.18
140	Benzene, 1,2-dichloro-	Air	ng	265.32
141	Benzene, 1,2-dichloro-	Water	mg	1.02
142	Benzene, chloro-	Water	mg	1.49
143	Benzene, ethyl-	Air	mg	3.47
144	Benzene, ethyl-	Water	mg	1.44
145	Benzene, hexachloro-	Air	µg	1.51
146	Benzene, pentachloro-	Air	ng	14.02
147	Benzene, pentachloronitro-	Soil	ng	351.30
148	Benzo(a)anthracene	Air	pg	451.78
149	Benzo(a)anthracene	Water	ng	4.43
150	Benzo(a)pyrene	Air	µg	392.13
151	Benzo(a)pyrene	Water	pg	538.55
152	Benzo(b)fluoranthene	Air	pg	533.82
153	Benzo(b)fluoranthene	Water	pg	525.25
154	Benzo(g,h,i)perylene	Air	pg	33.11
155	Benzo(g,h,i)perylene	Water	pg	73.91
156	Benzo(k)fluoranthene	Air	pg	386.04
157	Benzo(k)fluoranthene	Water	pg	247.11
158	Beryllium	Air	µg	195.04
159	Beryllium	Water	mg	111.68
160	Beryllium	Soil	µg	3.74
161	Bicarbonate, ion	Water	µg	1.20

162	Bifenox	Soil	ng	295.87
163	Bifenthrin	Soil	ng	272.85
164	Bisphenol A	Water	µg	626.21
165	Bitertanol	Soil	ng	116.79
166	BOD5, Biological Oxygen Demand	Water	g	14.64
167	Borate	Water	µg	343.60
168	Borax	Raw	mg	13.95
169	Boric acid	Air	pg	17.41
170	Boron	Air	mg	469.31
171	Boron	Water	g	2.09
172	Boron	Soil	mg	2.31
173	Boron trifluoride	Air	ng	117.55
174	Boscalid	Soil	µg	2.51
175	Bromacil	Soil	µg	2.44
176	Bromate	Water	mg	3.69
177	Bromide	Water	µg	836.84
178	Bromine	Raw	mg	1.02
179	Bromine	Air	mg	331.60
180	Bromine	Water	mg	605.37
181	Bromine	Soil	µg	35.91
182	Bromopropane	Air	ng	181.14
183	Bromopropane	Water	ng	6.41
184	Bromoxynil	Air	ng	2.84
185	Bromoxynil	Water	ng	16.40
186	Bromoxynil	Soil	µg	2.13
187	Bromuconazole	Soil	ng	1.35
188	Buprofezin	Soil	ng	199.66
189	Butadiene	Air	ng	70.12
190	Butane	Air	mg	123.94
191	Butene	Air	mg	1.50
192	Butene	Water	µg	15.65
193	Butyl acetate	Water	µg	19.11
194	Butyric acid, 4-(2,4-dichlorophenoxy)-	Air	ng	23.75

195	Butyric acid, 4-(2,4-dichlorophenoxy)-	Water	ng	10.49
196	Butyric acid, 4-(2,4-dichlorophenoxy)-	Soil	ng	388.94
197	Butyrolactone	Water	ng	121.04
198	Cadmium	Raw	mg	35.70
199	Cadmium	Air	mg	1.99
200	Cadmium	Water	mg	44.28
201	Cadmium	Soil	µg	32.46
202	Calcite	Raw	g	364.94
203	Calcium	Air	mg	29.97
204	Calcium	Water	kg	1.04
205	Calcium	Soil	mg	213.13
206	Captan	Soil	µg	237.01
207	Carbaryl	Air	ng	20.12
208	Carbaryl	Water	pg	20.98
209	Carbaryl	Soil	ng	14.52
210	Carbendazim	Soil	µg	10.69
211	Carbetamide	Soil	µg	6.71
212	Carbofuran	Soil	µg	13.61
213	Carbon	Air	µg	2.02
214	Carbon	Water	µg	6.90
215	Carbon	Soil	mg	255.56
216	Carbon-14	Air	Bq	110.96
217	Carbon-14	Water	mBq	49.97
218	Carbon dioxide, biogenic	Air	g	117.28
219	Carbon dioxide, fossil	Air	kg	117.76
220	Carbon dioxide, in air	Raw	kg	1.05
221	Carbon dioxide, land transformation	Air	g	11.21
222	Carbon dioxide, to soil or biomass stock	Soil	mg	81.11
223	Carbon disulfide	Air	mg	52.74
224	Carbon disulfide	Water	µg	2.26
225	Carbon monoxide, biogenic	Air	mg	295.91
226	Carbon monoxide, fossil	Air	g	136.02
227	Carbon monoxide, land transformation	Air	mg	35.02

228	Carbon, organic, in soil or biomass stock	Raw	mg	847.23
229	Carbonate	Water	mg	7.06
230	Carbonyl sulfide	Air	µg	507.82
231	Carboxylic acids, unspecified	Water	mg	234.38
232	Carfentrazone-ethyl	Air	ng	2.05
233	Carfentrazone-ethyl	Soil	ng	11.27
234	Carnallite	Raw	mg	53.06
235	Cerium	Raw	µg	391.03
236	Cerium-141	Air	µBq	204.78
237	Cerium-141	Water	mBq	1.33
238	Cerium-144	Water	mBq	1.49
239	Cesium	Water	µg	55.00
240	Cesium-134	Air	µBq	9.81
241	Cesium-134	Water	mBq	17.68
242	Cesium-136	Water	µBq	869.02
243	Cesium-137	Air	µBq	192.33
244	Cesium-137	Water	Bq	6.32
245	Chloramine	Air	ng	378.29
246	Chloramine	Water	µg	3.38
247	Chlorate	Water	mg	28.82
248	Chlorfenvinphos	Soil	ng	513.91
249	Chloridazon	Soil	ng	120.38
250	Chloride	Water	g	580.22
251	Chloride	Soil	mg	144.68
252	Chlorides, unspecified	Water	mg	34.95
253	Chlorimuron-ethyl	Air	ng	37.25
254	Chlorimuron-ethyl	Soil	ng	40.78
255	Chlorinated solvents, unspecified	Air	µg	4.78
256	Chlorinated solvents, unspecified	Water	µg	855.28
257	Chlorine	Air	mg	3.43
258	Chlorine	Water	µg	655.36
259	Chlorine	Soil	µg	582.94
260	Chlormequat	Soil	µg	2.67

261	Chloroacetic acid	Air	µg	4.50
262	Chloroacetic acid	Water	µg	61.58
263	Chloroacetyl chloride	Water	ng	154.71
264	Chloroform	Air	mg	400.95
265	Chloroform	Water	ng	349.37
266	Chloropicrin	Soil	µg	54.53
267	Chlorosilane, trimethyl-	Air	ng	660.63
268	Chlorosulfonic acid	Air	ng	36.64
269	Chlorosulfonic acid	Water	ng	85.39
270	Chlorothalonil	Soil	µg	415.87
271	Chlorpyrifos	Air	ng	743.11
272	Chlorpyrifos	Soil	µg	36.80
273	Chlorpyrifos methyl	Soil	µg	95.05
274	Chlorsulfuron	Soil	ng	1.86
275	Chlortoluron	Soil	µg	2.16
276	Choline chloride	Soil	ng	256.35
277	Chromium	Raw	g	3.58
278	Chromium	Air	mg	21.31
279	Chromium	Water	mg	1.25
280	Chromium	Soil	µg	399.49
281	Chromium-51	Air	µBq	13.12
282	Chromium-51	Water	mBq	180.27
283	Chromium IV	Air	pg	3.53
284	Chromium VI	Air	mg	1.83
285	Chromium VI	Water	mg	661.40
286	Chromium VI	Soil	mg	10.54
287	Chrysene	Air	pg	52.01
288	Chrysene	Water	ng	2.86
289	Chrysotile	Raw	µg	553.00
290	Cinidon-ethyl	Soil	ng	3.99
291	Cinnabar	Raw	µg	2.80
292	Clay, bentonite	Raw	g	3.92
293	Clay, unspecified	Raw	g	82.59

294	Clethodim	Air	ng	110.21
295	Clethodim	Soil	ng	73.32
296	Clodinafop-propargyl	Soil	ng	27.52
297	Clomazone	Soil	ng	144.98
298	Clopyralid	Soil	ng	45.08
299	Cloquintocet-mexyl	Soil	ng	6.65
300	Cloransulam-methyl	Air	ng	19.40
301	Cloransulam-methyl	Soil	ng	17.65
302	Coal, brown	Raw	kg	3.62
303	Coal, hard	Raw	kg	71.41
304	Cobalt	Raw	µg	182.91
305	Cobalt	Air	mg	4.00
306	Cobalt	Water	g	1.15
307	Cobalt	Soil	µg	38.42
308	Cobalt-57	Water	mBq	27.59
309	Cobalt-58	Air	µBq	59.89
310	Cobalt-58	Water	Bq	3.57
311	Cobalt-60	Air	µBq	353.52
312	Cobalt-60	Water	Bq	1.61
313	Cobalt, Co 5.0E-2%, in mixed ore	Raw	µg	33.20
314	COD, Chemical Oxygen Demand	Water	g	22.94
315	Colemanite	Raw	mg	41.96
316	Copper	Air	mg	27.50
317	Copper	Water	g	2.74
318	Copper	Soil	mg	7.49
319	Copper, 0.52% in sulfide, Cu 0.27% and Mo 8.2E-3% in crude ore	Raw	mg	912.59
320	Copper, 0.59% in sulfide, Cu 0.22% and Mo 8.2E-3% in crude ore	Raw	mg	629.30
321	Copper, 0.97% in sulfide, Cu 0.36% and Mo 4.1E-2% in crude ore	Raw	mg	216.81
322	Copper, 0.99% in sulfide, Cu 0.36% and Mo 8.2E-3% in crude ore	Raw	g	1.15
323	Copper, 1.13% in sulfide, Cu 0.76% and Ni 0.76% in crude ore	Raw	mg	50.17

324	Copper, 1.18% in sulfide, Cu 0.39% and Mo 8.2E-3% in crude ore	Raw	mg	845.65
325	Copper, 1.42% in sulfide, Cu 0.81% and Mo 8.2E-3% in crude ore	Raw	mg	100.63
326	Copper, 2.19% in sulfide, Cu 1.83% and Mo 8.2E-3% in crude ore	Raw	mg	330.87
327	Copper, Cu 0.2%, in mixed ore	Raw	µg	512.76
328	Copper, Cu 0.38%, Au 9.7E-4%, Ag 9.7E-4%, Zn 0.63%, Pb 0.014%, in ore	Raw	g	1.05
329	Copper, Cu 3.2E+0%, Pt 2.5E-4%, Pd 7.3E-4%, Rh 2.0E-5%, Ni 2.3E+0% in ore	Raw	mg	59.96
330	Copper, Cu 5.2E-2%, Pt 4.8E-4%, Pd 2.0E-4%, Rh 2.4E-5%, Ni 3.7E-2% in ore	Raw	mg	10.38
331	Copper, Cu 6.8E-1%, in mixed ore	Raw	µg	451.43
332	Cu-HDO	Water	ng	1.02
333	Cumene	Air	µg	460.16
334	Cumene	Water	mg	1.47
335	Cyanide	Air	mg	25.12
336	Cyanide	Water	mg	7.40
337	Cyanoacetic acid	Air	ng	28.04
338	Cyclohexane	Air	ng	326.56
339	Cyclohexane	Water	ng	784.39
340	Cycloxydim	Soil	ng	331.63
341	Cyfluthrin	Air	ng	3.89
342	Cyfluthrin	Soil	ng	179.17
343	Cyhalothrin, gamma-	Air	ng	44.63
344	Cyhalothrin, gamma-	Soil	ng	1.91
345	Cymoxanil	Soil	µg	1.23
346	Cypermethrin	Soil	µg	20.76
347	Cyproconazole	Soil	µg	58.82
348	Cyprodinil	Soil	µg	10.57
349	Decanoic acid	Water	ng	52.83
350	Deltamethrin	Soil	ng	28.32
351	Desmedipham	Soil	ng	152.45
352	Diatomite	Raw	µg	40.00

353	Diazinon	Soil	µg	4.93
354	Dibenz(a,h)anthracene	Air	pg	250.53
355	Dibenz(a,h)anthracene	Water	pg	51.75
356	Dibutyltin	Water	pg	0.00
357	Dicamba	Air	ng	95.06
358	Dicamba	Water	ng	18.96
359	Dicamba	Soil	µg	3.25
360	Dichlorodimethylsilane	Air	ng	611.32
361	Dichlorprop	Air	ng	3.36
362	Dichlorprop	Water	ng	3.52
363	Dichlorprop	Soil	ng	139.50
364	Dichlorprop-P	Soil	µg	8.87
365	Dichromate	Water	µg	311.48
366	Diclofop	Soil	µg	1.76
367	Diclofop-methyl	Soil	µg	1.77
368	Dicrotophos	Soil	µg	2.04
369	Diethanolamine	Water	ng	524.06
370	Diethyl ether	Air	pg	678.75
371	Diethylamine	Air	ng	175.01
372	Diethylamine	Water	ng	420.02
373	Diethylene glycol	Air	ng	1.55
374	Diethylene glycol	Water	ng	68.07
375	Difenoconazole	Soil	µg	53.83
376	Diflubenzuron	Air	ng	2.05
377	Diflubenzuron	Soil	µg	60.79
378	Diflufenican	Soil	µg	5.18
379	Diflufenzopyr-sodium	Soil	ng	242.53
380	Dimethachlor	Soil	ng	231.71
381	Dimethenamid	Air	ng	5.17
382	Dimethenamid	Water	ng	1.85
383	Dimethenamid	Soil	µg	8.58
384	Dimethoate	Soil	µg	19.48
385	Dimethomorph	Soil	ng	778.49

386	Dimethyl carbonate	Air	µg	10.56
387	Dimethyl hexanediol	Water	ng	67.78
388	Dimethyl hexynediol	Water	ng	109.29
389	Dimethyl malonate	Air	ng	35.16
390	Dimethylamine	Air	µg	1.02
391	Dimethylamine	Water	ng	822.28
392	Dimethyldichlorosilane	Air	ng	466.15
393	Dimethyldichlorosilane	Water	ng	17.18
394	Dinitrogen monoxide	Air	g	3.07
395	Dinitrogen tetroxide	Air	ng	303.50
396	Dioxin, 2,3,7,8 Tetrachlorodibenzo-p-	Air	ng	16.38
397	Dioxin, 2,3,7,8 Tetrachlorodibenzo-p-	Soil	pg	274.08
398	Diphenylether-compound	Water	ng	15.46
399	Diphenyltin	Water	pg	0.12
400	Dipropylamine	Air	ng	84.54
401	Dipropylamine	Water	ng	202.90
402	Dipropylthiocarbamic acid S-ethyl ester	Soil	µg	1.40
403	Diquat	Soil	µg	1.61
404	Discarded fish, pelagic	Water	µg	15.00
405	Dithianone	Soil	ng	32.95
406	Diuron	Soil	µg	25.29
407	DOC, Dissolved Organic Carbon	Water	g	10.50
408	Dodecanoic acid	Air	ng	127.84
409	Dodecanoic acid	Water	µg	1.09
410	Dodecanol	Water	ng	130.47
411	Dolomite	Raw	g	5.64
412	Endosulfan	Soil	µg	18.16
413	Endothall	Soil	ng	3.45
414	Energy, geothermal, converted	Raw	kJ	67.47
415	Energy, gross calorific value, in biomass	Raw	MJ	11.43
416	Energy, gross calorific value, in biomass, primary forest	Raw	kJ	13.42
417	Energy, kinetic (in wind), converted	Raw	MJ	9.71

418	Energy, potential (in hydropower reservoir), converted	Raw	MJ	89.01
419	Energy, solar, converted	Raw	kJ	2.09
420	Epichlorohydrin	Water	µg	279.18
421	Epoxiconazole	Soil	ng	398.49
422	Esfenvalerate	Air	ng	23.26
423	Esfenvalerate	Soil	ng	20.72
424	Ethalfuralin	Soil	ng	77.25
425	Ethane	Air	mg	245.13
426	Ethane, 1,1-difluoro-, HFC-152a	Air	µg	87.80
427	Ethane, 1,1,1-trichloro-, HCFC-140	Air	µg	173.71
428	Ethane, 1,1,1-trichloro-, HCFC-140	Water	pg	0.29
429	Ethane, 1,1,1,2-tetrafluoro-, HFC-134a	Air	µg	43.63
430	Ethane, 1,1,2-trichloro-1,2,2-trifluoro-, CFC-113	Air	µg	1.90
431	Ethane, 1,2-dichloro-	Air	mg	1.86
432	Ethane, 1,2-dichloro-	Water	mg	1.99
433	Ethane, 1,2-dichloro-1,1,2,2-tetrafluoro-, CFC-114	Air	µg	396.52
434	Ethane, 2-chloro-1,1,1,2-tetrafluoro-, HCFC-124	Air	ng	399.40
435	Ethane, hexafluoro-, HFC-116	Air	µg	58.31
436	Ethanol	Air	mg	1.55
437	Ethanol	Water	µg	105.74
438	Ethene	Air	mg	21.25
439	Ethene	Water	µg	268.10
440	Ethene, chloro-	Air	µg	401.73
441	Ethene, chloro-	Water	µg	8.43
442	Ethene, tetrachloro-	Air	µg	379.87
443	Ethene, trichloro-	Air	µg	1.94
444	Ethephon	Air	pg	0.18
445	Ethephon	Water	pg	0.01
446	Ethephon	Soil	µg	8.89
447	Ethofumesate	Soil	µg	11.17
448	Ethoprop	Soil	ng	323.58
449	Ethyl acetate	Air	mg	1.48
450	Ethyl acetate	Water	ng	359.18

451	Ethyl cellulose	Air	µg	2.89
452	Ethylamine	Air	ng	197.51
453	Ethylamine	Water	ng	474.02
454	Ethylene diamine	Air	µg	469.12
455	Ethylene diamine	Water	mg	1.14
456	Ethylene oxide	Air	µg	13.29
457	Ethylene oxide	Water	µg	8.82
458	Ethyne	Air	mg	2.50
459	Europium	Raw	ng	979.68
460	Feldspar	Raw	µg	71.07
461	Fenamiphos	Soil	µg	6.73
462	Fenbuconazole	Soil	ng	54.67
463	Fenoxaprop	Air	ng	30.44
464	Fenoxaprop	Soil	ng	35.42
465	Fenoxaprop-P ethyl ester	Soil	ng	131.14
466	Fenoxaprop ethyl ester	Soil	ng	146.36
467	Fenpiclonil	Soil	µg	15.51
468	Fenpropidin	Soil	µg	4.05
469	Fenpropimorph	Soil	µg	3.75
470	Fentin hydroxide	Soil	ng	55.99
471	Fipronil	Soil	µg	12.55
472	Fish, pelagic, in ocean	Raw	µg	399.60
473	Florasulam	Soil	ng	29.41
474	Fluazifop	Soil	ng	310.83
475	Fluazifop-p-butyl	Air	ng	43.68
476	Fluazifop-P-butyl	Soil	µg	1.69
477	Flucarbazone sodium salt	Soil	pg	116.21
478	Fludioxonil	Soil	ng	851.35
479	Flufenacet	Air	ng	16.38
480	Flufenacet	Soil	µg	1.18
481	Flumetsulam	Air	ng	3.83
482	Flumetsulam	Soil	ng	424.60
483	Flumiclorac-pentyl	Air	ng	6.56

484	Flumiclorac-pentyl	Soil	pg	280.97
485	Flumioxazin	Air	ng	66.33
486	Flumioxazin	Soil	ng	22.44
487	Fluoranthene	Air	ng	4.13
488	Fluoranthene	Water	µg	23.27
489	Fluorene	Air	ng	3.88
490	Fluorene	Water	µg	8.58
491	Fluoride	Water	g	2.07
492	Fluoride	Soil	mg	8.91
493	Fluorine	Raw	mg	90.47
494	Fluorine	Air	mg	2.97
495	Fluorine, 4.5% in apatite, 3% in crude ore	Raw	mg	17.91
496	Fluorspar	Raw	mg	342.00
497	Fluosilicic acid	Air	µg	340.88
498	Fluosilicic acid	Water	µg	635.97
499	Flupyrsulfuron-methyl	Soil	pg	180.42
500	Fluquinconazole	Soil	ng	7.49
501	Fluroxypyr	Soil	ng	137.68
502	Flurtamone	Soil	µg	5.49
503	Flusilazole	Soil	ng	163.39
504	Flutolanil	Soil	ng	63.67
505	Folpet	Soil	µg	1.07
506	Fomesafen	Air	ng	246.62
507	Fomesafen	Soil	ng	139.21
508	Foramsulfuron	Soil	ng	45.47
509	Formaldehyde	Air	mg	72.39
510	Formaldehyde	Water	mg	3.52
511	Formamide	Air	ng	128.27
512	Formamide	Water	ng	307.86
513	Formate	Water	µg	16.89
514	Formic acid	Air	µg	371.84
515	Formic acid	Water	ng	89.37
516	Fosetyl	Soil	ng	328.22

517	Fosetyl-aluminium	Soil	µg	23.36
518	Fungicides, unspecified	Soil	µg	14.01
519	Furan	Air	mg	1.62
520	Furathiocarb	Soil	µg	1.11
521	Gadolinium	Raw	µg	2.45
522	Gallium	Raw	mg	64.88
523	Gangue, bauxite	Raw	g	107.71
524	Gas, mine, off-gas, process, coal mining/m3	Raw	l	301.27
525	Gas, natural/m3	Raw	m3	1.56
526	Glucose	Water	ng	158.84
527	Glufosinate	Soil	µg	7.40
528	Glutaraldehyde	Water	µg	17.61
529	Glyphosate	Air	µg	49.46
530	Glyphosate	Water	µg	1.03
531	Glyphosate	Soil	mg	3.23
532	Gold	Raw	µg	8.83
533	Gold, Au 1.0E-7%, in mixed ore	Raw	ng	6.85
534	Gold, Au 1.1E-4%, Ag 4.2E-3%, in ore	Raw	µg	1.87
535	Gold, Au 1.3E-4%, Ag 4.6E-5%, in ore	Raw	µg	3.00
536	Gold, Au 1.8E-4%, in mixed ore	Raw	ng	612.00
537	Gold, Au 2.1E-4%, Ag 2.1E-4%, in ore	Raw	ng	649.01
538	Gold, Au 4.3E-4%, in ore	Raw	µg	1.72
539	Gold, Au 4.9E-5%, in ore	Raw	µg	8.64
540	Gold, Au 5.4E-4%, Ag 1.5E-5%, in ore	Raw	ng	56.65
541	Gold, Au 6.7E-4%, in ore	Raw	µg	9.22
542	Gold, Au 6.8E-4%, Ag 1.5E-4%, in ore	Raw	ng	76.99
543	Gold, Au 7.1E-4%, in ore	Raw	µg	4.27
544	Gold, Au 9.7E-4%, Ag 9.7E-4%, Zn 0.63%, Cu 0.38%, Pb 0.014%, in ore	Raw	µg	25.61
545	Gold, Au 9.7E-5%, Ag 7.6E-5%, in ore	Raw	ng	278.52
546	Granite	Raw	ng	79.86
547	Gravel	Raw	kg	6.84
548	Gypsum	Raw	g	7.96

549	Halosulfuron-methyl	Soil	pg	305.32
550	Heat, waste	Air	kJ	178.44
551	Heat, waste	Water	kJ	160.34
552	Heat, waste	Soil	kJ	2.73
553	Helium	Air	mg	2.76
554	Heptane	Air	mg	20.71
555	Herbicides, unspecified	Soil	µg	4.81
556	Hexaconazole	Soil	µg	11.91
557	Hexane	Air	mg	75.53
558	Hexazinone	Soil	µg	1.13
559	Hydramethylnon	Soil	ng	26.01
560	Hydrazine	Water	ng	34.83
561	Hydrocarbons, aliphatic, alkanes, cyclic	Air	mg	33.14
562	Hydrocarbons, aliphatic, alkanes, unspecified	Air	mg	202.34
563	Hydrocarbons, aliphatic, alkanes, unspecified	Water	mg	7.15
564	Hydrocarbons, aliphatic, unsaturated	Air	mg	147.43
565	Hydrocarbons, aliphatic, unsaturated	Water	µg	660.12
566	Hydrocarbons, aromatic	Air	mg	98.77
567	Hydrocarbons, aromatic	Water	mg	29.37
568	Hydrocarbons, chlorinated	Air	mg	3.15
569	Hydrocarbons, unspecified	Air	µg	63.38
570	Hydrocarbons, unspecified	Water	mg	9.79
571	Hydrocarbons, unspecified	Soil	µg	144.39
572	Hydrogen	Air	mg	18.42
573	Hydrogen-3, Tritium	Air	Bq	188.91
574	Hydrogen-3, Tritium	Water	kBq	20.33
575	Hydrogen carbonate	Water	mg	20.95
576	Hydrogen chloride	Air	g	28.31
577	Hydrogen chloride	Water	mg	3.40
578	Hydrogen fluoride	Air	g	3.04
579	Hydrogen peroxide	Air	µg	1.82
580	Hydrogen peroxide	Water	µg	52.60
581	Hydrogen sulfide	Air	mg	36.94

582	Hydrogen sulfide	Water	mg	62.92
583	Hydroxide	Water	µg	90.73
584	Hypochlorite	Water	mg	1.06
585	Imazamox	Air	ng	9.81
586	Imazamox	Soil	ng	17.94
587	Imazapyr	Soil	ng	6.06
588	Imazaquin	Air	ng	31.27
589	Imazaquin	Soil	ng	1.34
590	Imazethapyr	Air	ng	64.72
591	Imazethapyr	Soil	ng	66.02
592	Imidacloprid	Soil	µg	19.96
593	Indeno(1,2,3-cd)pyrene	Air	pg	98.61
594	Indeno(1,2,3-cd)pyrene	Water	pg	812.26
595	Indium	Raw	µg	594.94
596	Indoxacarb	Soil	µg	8.25
597	Insecticides, unspecified	Soil	ng	850.26
598	Iodide	Water	mg	27.28
599	Iodide	Soil	ng	1.34
600	Iodine	Raw	µg	192.38
601	Iodine	Air	mg	168.92
602	Iodine-129	Air	mBq	31.20
603	Iodine-131	Air	mBq	143.77
604	Iodine-131	Water	mBq	114.82
605	Iodine-133	Air	mBq	5.63
606	Iodine-133	Water	mBq	2.44
607	Iodosulfuron	Soil	pg	499.21
608	Iodosulfuron-methyl-sodium	Soil	pg	112.58
609	Ioxynil	Soil	µg	2.11
610	Iprodione	Soil	µg	110.15
611	Iron	Raw	g	266.47
612	Iron	Air	mg	112.40
613	Iron	Water	g	106.49
614	Iron	Soil	g	1.85

615	Iron-59	Water	mBq	408.98
616	Isocyanic acid	Air	µg	688.46
617	Isoprene	Air	µg	5.39
618	Isopropylamine	Air	ng	127.34
619	Isopropylamine	Water	ng	305.61
620	Isoproturon	Soil	µg	9.94
621	Isoxaflutole	Soil	µg	1.39
622	Kaolin	Soil	µg	2.17
623	Kaolinite	Raw	mg	910.58
624	Kieserite	Raw	g	1.55
625	Kresoxim-methyl	Soil	ng	195.53
626	Krypton	Raw	µg	111.46
627	Krypton-85	Air	Bq	3.32
628	Krypton-85m	Air	Bq	37.21
629	Krypton-87	Air	Bq	2.71
630	Krypton-88	Air	Bq	3.58
631	Krypton-89	Air	Bq	1.52
632	Lactic acid	Air	ng	66.22
633	Lactic acid	Water	ng	158.94
634	Lactofen	Air	ng	31.49
635	Lactofen	Soil	ng	1.35
636	Lambda-cyhalothrin	Air	pg	0.01
637	Lambda-cyhalothrin	Water	pg	0.00
638	Lambda-cyhalothrin	Soil	ng	456.41
639	Land use III-IV	Raw	cm2a	48.00
640	Lanthanum	Raw	µg	117.23
641	Lanthanum-140	Air	µBq	72.19
642	Lanthanum-140	Water	mBq	3.60
643	Lead	Raw	mg	594.96
644	Lead	Air	mg	48.86
645	Lead	Water	mg	84.85
646	Lead	Soil	µg	461.49
647	Lead-210	Air	Bq	73.47

648	Lead-210	Water	mBq	443.78
649	Lead, Pb 0.014%, Au 9.7E-4%, Ag 9.7E-4%, Zn 0.63%, Cu 0.38%, in ore	Raw	mg	127.03
650	Lead, Pb 3.6E-1%, in mixed ore	Raw	µg	922.93
651	Lenacil	Soil	ng	664.99
652	Linuron	Soil	µg	31.98
653	Lithium	Raw	µg	105.92
654	Lithium	Air	pg	344.60
655	Lithium	Water	g	1.35
656	Lithium	Soil	µg	1.46
657	m-Xylene	Air	mg	1.15
658	m-Xylene	Water	µg	38.37
659	Magnesite	Raw	g	2.39
660	Magnesium	Air	mg	118.29
661	Magnesium	Water	g	581.61
662	Magnesium	Soil	mg	37.74
663	Malathion	Soil	µg	1.89
664	Maleic anhydride	Water	ng	68.16
665	Maleic hydrazide	Soil	ng	353.92
666	Mancozeb	Soil	µg	657.13
667	Mandipropamid	Soil	pg	764.25
668	Maneb	Soil	ng	8.24
669	Manganese	Raw	g	1.83
670	Manganese	Air	mg	40.90
671	Manganese	Water	g	43.75
672	Manganese	Soil	mg	5.45
673	Manganese-54	Air	µBq	6.72
674	Manganese-54	Water	mBq	73.90
675	MCPB	Air	ng	4.61
676	MCPB	Water	ng	10.68
677	MCPB	Soil	µg	2.15
678	Mecoprop	Soil	ng	106.16
679	Mecoprop-P	Soil	ng	230.21

680	Mefenpyr	Soil	ng	294.21
681	Mefenpyr-diethyl	Soil	ng	160.06
682	Mepiquat chloride	Soil	µg	1.41
683	Mercury	Air	mg	3.27
684	Mercury	Water	mg	14.77
685	Mercury	Soil	ng	853.30
686	Mesosulfuron-methyl (prop)	Soil	pg	621.04
687	Mesotrione	Soil	µg	1.97
688	Metalaxil	Soil	ng	233.73
689	Metalaxyl-M	Soil	µg	269.02
690	Metalddehyde (tetramer)	Soil	µg	14.29
691	Metam-sodium dihydrate	Soil	µg	57.77
692	Metamitron	Soil	µg	37.12
693	Metamorphous rock, graphite containing	Raw	mg	14.23
694	Metazachlor	Soil	µg	6.75
695	Metconazole	Soil	ng	37.75
696	Methane	Air	µg	7.11
697	Methane, biogenic	Air	mg	295.59
698	Methane, bromo-, Halon 1001	Air	ng	31.18
699	Methane, bromochlorodifluoro-, Halon 1211	Air	µg	5.81
700	Methane, bromotrifluoro-, Halon 1301	Air	µg	69.80
701	Methane, chlorodifluoro-, HCFC-22	Air	µg	177.47
702	Methane, dichloro-, HCC-30	Air	mg	14.52
703	Methane, dichloro-, HCC-30	Water	mg	1.06
704	Methane, dichlorodifluoro-, CFC-12	Air	µg	22.43
705	Methane, dichlorofluoro-, HCFC-21	Air	ng	11.31
706	Methane, fossil	Air	g	104.71
707	Methane, land transformation	Air	mg	2.98
708	Methane, monochloro-, R-40	Air	mg	4.60
709	Methane, tetrachloro-, CFC-10	Air	mg	40.04
710	Methane, tetrafluoro-, CFC-14	Air	µg	876.53
711	Methane, trichlorofluoro-, CFC-11	Air	ng	12.47
712	Methane, trifluoro-, HFC-23	Air	µg	3.60

713	Methanesulfonic acid	Air	ng	28.34
714	Methanol	Air	mg	11.49
715	Methanol	Water	µg	560.62
716	Methiocarb	Soil	ng	235.97
717	Methomyl	Air	pg	0.60
718	Methomyl	Water	pg	0.01
719	Methomyl	Soil	pg	1.90
720	Methoxyfenozone	Soil	ng	890.57
721	Methyl acetate	Air	ng	8.36
722	Methyl acetate	Water	ng	20.06
723	Methyl acrylate	Air	µg	2.19
724	Methyl acrylate	Water	µg	42.77
725	Methyl borate	Air	ng	70.05
726	Methyl ethyl ketone	Air	mg	1.48
727	Methyl formate	Air	ng	49.90
728	Methyl formate	Water	ng	19.92
729	Methyl lactate	Air	ng	72.70
730	Methylamine	Air	ng	314.74
731	Methylamine	Water	ng	80.72
732	Metiram	Soil	ng	240.44
733	Metolachlor	Air	ng	549.98
734	Metolachlor	Water	ng	28.61
735	Metolachlor	Soil	µg	117.66
736	Metosulam	Soil	pg	355.73
737	Metribuzin	Air	ng	204.26
738	Metribuzin	Soil	µg	20.28
739	Metsulfuron-methyl	Soil	ng	383.62
740	Mineral oil	Soil	µg	985.17
741	Molinate	Soil	ng	91.49
742	Molybdenum	Raw	mg	24.73
743	Molybdenum	Air	mg	3.36
744	Molybdenum	Water	mg	373.40
745	Molybdenum	Soil	µg	8.98

746	Molybdenum-99	Water	µBq	822.23
747	Molybdenum, 0.010% in sulfide, Mo 8.2E-3% and Cu 1.83% in crude ore	Raw	mg	9.61
748	Molybdenum, 0.014% in sulfide, Mo 8.2E-3% and Cu 0.81% in crude ore	Raw	mg	2.07
749	Molybdenum, 0.016% in sulfide, Mo 8.2E-3% and Cu 0.27% in crude ore	Raw	mg	21.88
750	Molybdenum, 0.022% in sulfide, Mo 8.2E-3% and Cu 0.22% in crude ore	Raw	mg	14.06
751	Molybdenum, 0.022% in sulfide, Mo 8.2E-3% and Cu 0.36% in crude ore	Raw	mg	15.80
752	Molybdenum, 0.025% in sulfide, Mo 8.2E-3% and Cu 0.39% in crude ore	Raw	mg	16.87
753	Monobutyltin	Water	pg	0.32
754	Monocrotophos	Soil	µg	7.27
755	Monoethanolamine	Air	µg	479.77
756	Monoethanolamine	Water	µg	3.65
757	Monophenyltin	Water	pg	0.00
758	Monosodium acid methanearsonate	Soil	µg	1.04
759	Myclobutanil	Soil	µg	1.25
760	Naphthalene	Air	µg	4.30
761	Naphthalene	Water	µg	1.72
762	Napropamide	Soil	µg	4.67
763	Neodymium	Raw	µg	64.47
764	Nickel	Air	mg	32.96
765	Nickel	Water	g	5.24
766	Nickel	Soil	µg	109.58
767	Nickel, 1.13% in sulfide, Ni 0.76% and Cu 0.76% in crude ore	Raw	mg	97.55
768	Nickel, 1.98% in silicates, 1.04% in crude ore	Raw	g	2.56
769	Nickel, Ni 2.3E+0%, Pt 2.5E-4%, Pd 7.3E-4%, Rh 2.0E-5%, Cu 3.2E+0% in ore	Raw	mg	43.28
770	Nickel, Ni 2.5E+0%, in mixed ore	Raw	mg	1.63
771	Nickel, Ni 3.7E-2%, Pt 4.8E-4%, Pd 2.0E-4%, Rh 2.4E-5%, Cu 5.2E-2% in ore	Raw	mg	14.80
772	Nicosulfuron	Soil	ng	333.48
773	Niobium-95	Air	mBq	499.72

774	Niobium-95	Water	mBq	10.67
775	Nitrate	Air	mg	1.69
776	Nitrate	Water	g	57.61
777	Nitrate	Soil	mg	1.68
778	Nitrite	Water	µg	969.66
779	Nitrobenzene	Air	µg	10.79
780	Nitrobenzene	Water	µg	43.23
781	Nitrogen fluoride	Air	pg	340.79
782	Nitrogen monoxide	Air	µg	6.01
783	Nitrogen oxides	Air	g	282.34
784	Nitrogen, atmospheric	Raw	g	45.88
785	Nitrogen, atmospheric	Air	g	2.02
786	Nitrogen, atmospheric	Water	mg	33.26
787	Nitrogen, atmospheric	Soil	µg	902.51
788	Nitrogen, organic bound	Water	mg	33.23
789	NM VOC, non-methane volatile organic compounds, unspecified origin	Air	g	21.61
790	Noble gases, radioactive, unspecified	Air	kBq	300.20
791	Norflurazon	Soil	µg	3.56
792	o-Xylene	Air	µg	426.46
793	o-Xylene	Water	µg	27.81
794	Occupation, annual crop	Raw	cm2a	37.93
795	Occupation, annual crop, greenhouse	Raw	mm2 a	9.37
796	Occupation, annual crop, irrigated	Raw	mm2 a	107.03
797	Occupation, annual crop, irrigated, intensive	Raw	mm2 a	201.38
798	Occupation, annual crop, non-irrigated	Raw	mm2 a	8.57
799	Occupation, annual crop, non-irrigated, extensive	Raw	mm2 a	822.14
800	Occupation, annual crop, non-irrigated, intensive	Raw	cm2a	36.71
801	Occupation, arable land, unspecified use	Raw	mm2 a	0.00
802	Occupation, construction site	Raw	cm2a	32.09

803	Occupation, dump site	Raw	m2a	0.43
804	Occupation, forest, extensive	Raw	cm2a	34.47
805	Occupation, forest, intensive	Raw	m2a	1.57
806	Occupation, grassland, natural (non-use)	Raw	cm2a	224.07
807	Occupation, industrial area	Raw	m2a	0.21
808	Occupation, inland waterbody, unspecified	Raw	mm2 a	3.50
809	Occupation, mineral extraction site	Raw	m2a	0.28
810	Occupation, pasture, man made, extensive	Raw	mm2 a	8.96
811	Occupation, pasture, man made, intensive	Raw	mm2 a	939.77
812	Occupation, permanent crop	Raw	mm2 a	265.76
813	Occupation, permanent crop, irrigated	Raw	cm2a	34.76
814	Occupation, permanent crop, irrigated, intensive	Raw	mm2 a	81.98
815	Occupation, permanent crop, non-irrigated, intensive	Raw	mm2 a	10.81
816	Occupation, seabed, drilling and mining	Raw	mm2 a	228.92
817	Occupation, seabed, infrastructure	Raw	mm2 a	2.18
818	Occupation, shrub land, sclerophyllous	Raw	cm2a	28.54
819	Occupation, traffic area, rail network	Raw	cm2a	446.94
820	Occupation, traffic area, rail/road embankment	Raw	cm2a	832.84
821	Occupation, traffic area, road network	Raw	cm2a	822.09
822	Occupation, unknown	Raw	mm2 a	16.49
823	Occupation, urban, discontinuously built	Raw	mm2 a	43.75
824	Occupation, urban/industrial fallow (non-use)	Raw	mm2 a	11.93
825	Occupation, water bodies, artificial	Raw	m2a	0.92
826	Octaethylene glycol monododecyl ether	Air	ng	151.90
827	Oil, crude	Raw	kg	1.11
828	Oils, biogenic	Water	µg	100.23

829	Oils, biogenic	Soil	mg	50.62
830	Oils, unspecified	Water	g	3.48
831	Oils, unspecified	Soil	g	3.67
832	Olivine	Raw	µg	39.90
833	Orbencarb	Soil	µg	97.18
834	Organic carbon	Air	µg	5.02
835	Organic carbon	Water	µg	16.33
836	Organic carbon	Soil	µg	16.33
837	Oryzalin	Soil	µg	1.64
838	Oxamyl	Soil	ng	328.73
839	Oxydemeton methyl	Soil	ng	34.93
840	Oxyfluorfen	Soil	µg	13.52
841	Oxygen	Raw	g	52.65
842	Oxygen	Water	ng	14.11
843	Ozone	Air	mg	559.27
844	PAH, polycyclic aromatic hydrocarbons	Air	mg	10.84
845	PAH, polycyclic aromatic hydrocarbons	Water	µg	412.66
846	PAH, polycyclic aromatic hydrocarbons	Soil	µg	4.38
847	Palladium, Pd 1.6E-6%, in mixed ore	Raw	ng	108.67
848	Palladium, Pd 2.0E-4%, Pt 4.8E-4%, Rh 2.4E-5%, Ni 3.7E-2%, Cu 5.2E-2% in ore	Raw	µg	28.88
849	Palladium, Pd 7.3E-4%, Pt 2.5E-4%, Rh 2.0E-5%, Ni 2.3E+0%, Cu 3.2E+0% in ore	Raw	µg	13.66
850	Paraffins	Air	µg	10.05
851	Paraffins	Water	µg	44.67
852	Paraquat	Air	ng	131.40
853	Paraquat	Soil	µg	43.05
854	Parathion	Soil	ng	263.12
855	Parathion, methyl	Air	ng	25.22
856	Parathion, methyl	Soil	ng	1.08
857	Particulates, < 2.5 µm	Air	g	195.16
858	Particulates, > 10 µm	Air	g	259.15
859	Particulates, > 2.5 µm, and < 10µm	Air	g	25.44
860	Peat	Raw	g	1.06

861	Pendimethalin	Air	µg	1.41
862	Pendimethalin	Water	ng	2.51
863	Pendimethalin	Soil	µg	13.76
864	Pentane	Air	mg	246.63
865	Pentane	Water	ng	8.29
866	Pentane, 2-methyl-	Air	µg	2.15
867	Pentane, 2,2,4-trimethyl-	Air	ng	1.58
868	Perlite	Raw	mg	10.21
869	Permethrin	Air	ng	20.57
870	Permethrin	Soil	ng	148.54
871	Pesticides, unspecified	Soil	µg	117.49
872	Phenanthrene	Air	ng	57.81
873	Phenanthrene	Water	µg	19.30
874	Phenmedipham	Soil	µg	6.88
875	Phenol	Air	µg	853.09
876	Phenol	Water	mg	8.29
877	Phenol, 2,4-dichloro-	Air	ng	97.38
878	Phenol, pentachloro-	Air	µg	167.50
879	Phenol, pentachloro-	Soil	ng	154.71
880	Phorate	Soil	ng	585.00
881	Phosgene	Air	µg	2.00
882	Phosmet	Soil	ng	863.44
883	Phosphate	Water	g	193.47
884	Phosphine	Air	ng	797.36
885	Phosphoric acid	Air	pg	616.47
886	Phosphoric acid	Water	ng	79.00
887	Phosphorus	Raw	mg	132.18
888	Phosphorus	Air	µg	752.61
889	Phosphorus	Water	mg	1.92
890	Phosphorus	Soil	mg	4.25
891	Phosphorus oxychloride	Water	ng	29.98
892	Phosphorus pentachloride	Water	ng	144.61
893	Phosphorus trichloride	Air	µg	10.38

894	Phosphorus trichloride	Water	ng	5.37
895	Phosphorus, 18% in apatite, 4% in crude ore	Raw	mg	361.87
896	Picloram	Soil	pg	232.43
897	Picoxystrobin	Soil	ng	387.60
898	Piperonyl butoxide	Soil	ng	176.89
899	Pirimicarb	Soil	µg	8.86
900	Pirimiphos methyl	Soil	µg	2.99
901	Platinum	Air	µg	94.58
902	Platinum, Pt 2.5E-4%, Pd 7.3E-4%, Rh 2.0E-5%, Ni 2.3E+0%, Cu 3.2E+0% in ore	Raw	µg	4.68
903	Platinum, Pt 4.7E-7%, in mixed ore	Raw	ng	31.43
904	Platinum, Pt 4.8E-4%, Pd 2.0E-4%, Rh 2.4E-5%, Ni 3.7E-2%, Cu 5.2E-2% in ore	Raw	µg	67.95
905	Plutonium-238	Air	nBq	4.26
906	Plutonium-alpha	Air	nBq	9.76
907	Polonium-210	Air	Bq	130.40
908	Polonium-210	Water	mBq	327.02
909	Polychlorinated biphenyls	Air	µg	3.37
910	Polychlorinated biphenyls	Water	ng	2.72
911	Potassium	Air	mg	34.39
912	Potassium	Water	g	446.82
913	Potassium	Soil	mg	27.60
914	Potassium-40	Air	Bq	24.36
915	Potassium-40	Water	mBq	117.91
916	Potassium chloride	Raw	mg	558.30
917	Praseodymium	Raw	µg	6.84
918	Primisulfuron	Soil	ng	151.59
919	Prochloraz	Soil	ng	90.38
920	Procymidone	Soil	ng	37.01
921	Profenofos	Soil	µg	1.62
922	Prohexadione-calcium	Soil	pg	140.05
923	Prometryn	Soil	ng	868.80
924	Pronamide	Soil	pg	366.57
925	Propachlor	Soil	µg	41.14

926	Propamocarb HCl	Soil	ng	2.81
927	Propanal	Air	µg	47.58
928	Propanal	Water	ng	184.97
929	Propane	Air	mg	162.14
930	Propanil	Soil	ng	236.97
931	Propargite	Soil	ng	187.64
932	Propene	Air	mg	16.78
933	Propene	Water	mg	5.50
934	Propiconazole	Air	ng	24.18
935	Propiconazole	Water	pg	40.40
936	Propiconazole	Soil	µg	1.41
937	Propionic acid	Air	µg	763.37
938	Propionic acid	Water	ng	802.24
939	Propoxycarbazone-sodium (prop)	Soil	pg	776.44
940	Propylamine	Air	ng	30.16
941	Propylamine	Water	ng	72.38
942	Propylene oxide	Air	µg	84.42
943	Propylene oxide	Water	µg	200.39
944	Prosulfuron	Soil	ng	56.39
945	Protactinium-234	Air	Bq	1.10
946	Protactinium-234	Water	mBq	368.21
947	Prothioconazol	Air	pg	0.02
948	Prothioconazol	Water	pg	0.00
949	Prothioconazol	Soil	ng	110.43
950	Pumice	Raw	g	1.18
951	Pymetrozine	Soil	ng	17.98
952	Pyraclostrobin (prop)	Air	ng	56.94
953	Pyraclostrobin (prop)	Water	pg	20.40
954	Pyraclostrobin (prop)	Soil	µg	28.48
955	Pyrene	Air	ng	3.00
956	Pyrene	Water	µg	17.53
957	Pyrethrin	Soil	ng	194.40
958	Pyrimethanil	Soil	µg	1.54

959	Pyrethiobac sodium salt	Soil	ng	58.14
960	Quinclorac	Soil	ng	3.96
961	Quinoxifen	Soil	ng	6.79
962	Quizalofop-P	Soil	ng	5.32
963	Quizalofop-p-ethyl	Soil	µg	1.30
964	Quizalofop ethyl ester	Air	ng	7.64
965	Quizalofop ethyl ester	Soil	ng	5.06
966	Radioactive species, alpha emitters	Water	mBq	2.89
967	Radioactive species, Nuclides, unspecified	Water	Bq	30.91
968	Radioactive species, other beta emitters	Air	Bq	64.20
969	Radium-224	Water	Bq	2.75
970	Radium-226	Air	Bq	19.91
971	Radium-226	Water	Bq	127.85
972	Radium-228	Air	Bq	6.57
973	Radium-228	Water	Bq	7.85
974	Radon-220	Air	Bq	537.75
975	Radon-222	Air	kBq	1711.01
976	Rhenium	Raw	ng	103.27
977	Rhodium, Rh 1.6E-7%, in mixed ore	Raw	ng	10.67
978	Rhodium, Rh 2.0E-5%, Pt 2.5E-4%, Pd 7.3E-4%, Ni 2.3E+0%, Cu 3.2E+0% in ore	Raw	ng	373.89
979	Rhodium, Rh 2.4E-5%, Pt 4.8E-4%, Pd 2.0E-4%, Ni 3.7E-2%, Cu 5.2E-2% in ore	Raw	µg	3.40
980	Rimsulfuron	Soil	ng	160.41
981	Rotenone	Soil	ng	108.87
982	Rubidium	Water	µg	549.98
983	Ruthenium-103	Air	nBq	175.26
984	Ruthenium-103	Water	µBq	893.51
985	Samarium	Raw	µg	4.88
986	Sand	Raw	mg	164.93
987	Scandium	Air	µg	161.81
988	Scandium	Water	mg	322.62
989	Scandium	Soil	µg	10.08
990	Selenium	Air	mg	18.21

991	Selenium	Water	mg	233.77
992	Selenium	Soil	µg	31.40
993	Sethoxydim	Air	ng	16.44
994	Sethoxydim	Soil	ng	32.20
995	Shale	Raw	kg	18.87
996	Silicon	Air	mg	99.70
997	Silicon	Water	kg	1.68
998	Silicon	Soil	mg	135.84
999	Silicon dioxide	Water	µg	345.47
1000	Silicon tetrachloride	Air	µg	40.70
1001	Silicon tetrafluoride	Air	µg	2.60
1002	Silthiofam	Soil	ng	10.43
1003	Silver	Air	µg	6.80
1004	Silver	Water	mg	4.42
1005	Silver	Soil	µg	1.73
1006	Silver-110	Air	µBq	9.68
1007	Silver-110	Water	mBq	598.86
1008	Silver, 0.007% in sulfide, Ag 0.004%, Pb, Zn, Cd, In	Raw	µg	867.72
1009	Silver, 3.2ppm in sulfide, Ag 1.2ppm, Cu and Te, in crude ore	Raw	ng	19.18
1010	Silver, Ag 1.5E-4%, Au 6.8E-4%, in ore	Raw	ng	17.28
1011	Silver, Ag 1.5E-5%, Au 5.4E-4%, in ore	Raw	ng	1.58
1012	Silver, Ag 1.8E-6%, in mixed ore	Raw	ng	121.24
1013	Silver, Ag 2.1E-4%, Au 2.1E-4%, in ore	Raw	ng	660.86
1014	Silver, Ag 4.2E-3%, Au 1.1E-4%, in ore	Raw	µg	70.19
1015	Silver, Ag 4.6E-5%, Au 1.3E-4%, in ore	Raw	µg	1.07
1016	Silver, Ag 5.4E-3%, in mixed ore	Raw	µg	13.95
1017	Silver, Ag 7.6E-5%, Au 9.7E-5%, in ore	Raw	ng	218.22
1018	Silver, Ag 9.7E-4%, Au 9.7E-4%, Zn 0.63%, Cu 0.38%, Pb 0.014%, in ore	Raw	mg	1.30
1019	Simazine	Soil	µg	22.11
1020	Sodium	Air	mg	10.78
1021	Sodium	Water	g	653.78
1022	Sodium	Soil	mg	83.30

1023	Sodium-24	Water	mBq	31.43
1024	Sodium chlorate	Air	µg	20.30
1025	Sodium chlorate	Water	ng	238.91
1026	Sodium chloride	Raw	g	27.00
1027	Sodium dichromate	Air	µg	7.92
1028	Sodium formate	Air	µg	2.16
1029	Sodium formate	Water	µg	5.18
1030	Sodium hydroxide	Air	µg	6.44
1031	Sodium nitrate	Raw	ng	9.33
1032	Sodium sulfate	Raw	mg	7.97
1033	Sodium tetrahydroborate	Air	ng	226.25
1034	Solids, inorganic	Water	g	16.91
1035	Spinosad	Soil	ng	177.29
1036	Spiroxamine	Soil	ng	333.27
1037	Spodumene	Raw	µg	32.88
1038	Stibnite	Raw	µg	4.16
1039	Strontium	Raw	µg	611.66
1040	Strontium	Air	mg	63.91
1041	Strontium	Water	g	22.34
1042	Strontium	Soil	µg	759.68
1043	Strontium-89	Water	mBq	22.87
1044	Strontium-90	Water	Bq	3.49
1045	Styrene	Air	mg	2.22
1046	Sulfate	Air	mg	75.63
1047	Sulfate	Water	kg	4.52
1048	Sulfate	Soil	mg	2.81
1049	Sulfentrazone	Air	ng	157.17
1050	Sulfentrazone	Soil	ng	208.61
1051	Sulfide	Water	µg	269.68
1052	Sulfite	Water	mg	2.87
1053	Sulfosate	Soil	ng	831.23
1054	Sulfosulfuron	Soil	ng	2.79
1055	Sulfur	Raw	mg	76.70

1056	Sulfur	Water	mg	19.22
1057	Sulfur	Soil	mg	44.97
1058	Sulfur dioxide	Air	g	292.02
1059	Sulfur hexafluoride	Air	mg	16.21
1060	Sulfur oxides	Air	µg	50.16
1061	Sulfur trioxide	Air	µg	4.44
1062	Sulfuric acid	Air	µg	187.44
1063	Sulfuric acid	Soil	µg	66.02
1064	Suspended solids, unspecified	Water	g	66.54
1065	t-Butyl methyl ether	Air	µg	40.92
1066	t-Butyl methyl ether	Water	µg	1.89
1067	t-Butylamine	Air	ng	54.81
1068	t-Butylamine	Water	ng	131.56
1069	Talc	Raw	mg	92.53
1070	Tantalum	Raw	µg	257.80
1071	Tebuconazole	Air	pg	0.04
1072	Tebuconazole	Water	pg	0.01
1073	Tebuconazole	Soil	ng	706.04
1074	Tebupirimphos	Soil	µg	1.27
1075	Tebutam	Soil	µg	18.68
1076	Technetium-99m	Water	mBq	25.67
1077	Teflubenzuron	Soil	µg	1.20
1078	Tefluthrin	Air	ng	1.32
1079	Tefluthrin	Water	pg	0.01
1080	Tefluthrin	Soil	µg	1.00
1081	Tellurium	Raw	ng	2.88
1082	Tellurium-123m	Water	mBq	4.96
1083	Tellurium-132	Water	µBq	260.40
1084	Terbacil	Soil	µg	15.10
1085	Terbufos	Soil	µg	57.02
1086	Terpenes	Air	µg	50.52
1087	Tetramethyl ammonium hydroxide	Air	µg	8.17
1088	Thallium	Air	µg	9.66

1089	Thallium	Water	mg	20.00
1090	Thallium	Soil	ng	757.83
1091	Thiamethoxam	Soil	µg	49.11
1092	Thiazole, 2-(thiocyanatemethylthio)benzo-	Soil	µg	5.45
1093	Thidiazuron	Soil	ng	101.85
1094	Thifensulfuron	Air	ng	2.24
1095	Thifensulfuron-methyl	Soil	ng	2.73
1096	Thiobencarb	Soil	ng	50.72
1097	Thiodicarb	Air	ng	7.98
1098	Thiodicarb	Soil	pg	342.22
1099	Thiram	Soil	ng	293.15
1100	Thorium	Air	µg	8.88
1101	Thorium-228	Air	Bq	3.52
1102	Thorium-228	Water	Bq	11.00
1103	Thorium-230	Air	Bq	1.14
1104	Thorium-230	Water	Bq	31.17
1105	Thorium-232	Air	Bq	5.13
1106	Thorium-232	Water	mBq	18.37
1107	Thorium-234	Air	Bq	1.10
1108	Thorium-234	Water	mBq	368.36
1109	Tin	Raw	mg	5.60
1110	Tin	Air	mg	1.79
1111	Tin	Water	mg	30.22
1112	Tin	Soil	µg	42.68
1113	TiO ₂ , 54% in ilmenite, 18% in crude ore	Raw	mg	21.38
1114	TiO ₂ , 54% in ilmenite, 2.6% in crude ore	Raw	mg	270.07
1115	TiO ₂ , 95% in rutile, 0.40% in crude ore	Raw	mg	41.61
1116	Titanium	Air	mg	5.52
1117	Titanium	Water	g	14.83
1118	Titanium	Soil	mg	4.36
1119	TOC, Total Organic Carbon	Water	g	10.48
1120	Toluene	Air	mg	122.73
1121	Toluene	Water	mg	9.03

1122	Toluene, 2-chloro-	Air	ng	523.82
1123	Toluene, 2-chloro-	Water	µg	1.11
1124	Tralkoxydim	Soil	µg	2.73
1125	Transformation, from annual crop	Raw	cm2	52.13
1126	Transformation, from annual crop, greenhouse	Raw	mm2	20.96
1127	Transformation, from annual crop, irrigated, intensive	Raw	mm2	283.43
1128	Transformation, from annual crop, non-irrigated	Raw	mm2	130.45
1129	Transformation, from annual crop, non-irrigated, extensive	Raw	cm2	14.47
1130	Transformation, from annual crop, non-irrigated, intensive	Raw	cm2	43.80
1131	Transformation, from cropland fallow (non-use)	Raw	mm2	2.03
1132	Transformation, from dump site, inert material landfill	Raw	mm2	98.53
1133	Transformation, from dump site, residual material landfill	Raw	mm2	462.95
1134	Transformation, from dump site, sanitary landfill	Raw	mm2	5.65
1135	Transformation, from dump site, slag compartment	Raw	mm2	2.92
1136	Transformation, from forest, extensive	Raw	mm2	169.86
1137	Transformation, from forest, intensive	Raw	cm2	125.52
1138	Transformation, from forest, primary (non-use)	Raw	mm2	325.11
1139	Transformation, from forest, secondary (non-use)	Raw	mm2	42.55
1140	Transformation, from forest, unspecified	Raw	cm2	14.84
1141	Transformation, from grassland, natural (non-use)	Raw	mm2	14.31
1142	Transformation, from grassland, natural, for livestock grazing	Raw	mm2	349.95
1143	Transformation, from heterogeneous, agricultural	Raw	mm2	0.01
1144	Transformation, from industrial area	Raw	mm2	21.78
1145	Transformation, from mineral extraction site	Raw	mm2	92.92
1146	Transformation, from pasture, man made	Raw	cm2	14.54
1147	Transformation, from pasture, man made, extensive	Raw	mm2	0.18
1148	Transformation, from pasture, man made, intensive	Raw	mm2	744.95
1149	Transformation, from permanent crop	Raw	mm2	17.81
1150	Transformation, from permanent crop, irrigated	Raw	mm2	150.77
1151	Transformation, from permanent crop, irrigated, intensive	Raw	mm2	73.05

1152	Transformation, from permanent crop, non-irrigated, intensive	Raw	mm2	10.81
1153	Transformation, from seabed, infrastructure	Raw	mm2	0.01
1154	Transformation, from seabed, unspecified	Raw	mm2	229.34
1155	Transformation, from shrub land, sclerophyllous	Raw	cm2	10.53
1156	Transformation, from traffic area, rail/road embankment	Raw	mm2	227.07
1157	Transformation, from traffic area, road network	Raw	mm2	0.00
1158	Transformation, from unknown	Raw	cm2	169.49
1159	Transformation, from unspecified, natural (non-use)	Raw	mm2	0.15
1160	Transformation, from wetland, inland (non-use)	Raw	mm2	0.09
1161	Transformation, to annual crop	Raw	cm2	36.89
1162	Transformation, to annual crop, fallow	Raw	mm2	2.68
1163	Transformation, to annual crop, greenhouse	Raw	mm2	20.96
1164	Transformation, to annual crop, irrigated, extensive	Raw	mm2	14.94
1165	Transformation, to annual crop, irrigated, intensive	Raw	mm2	484.66
1166	Transformation, to annual crop, non-irrigated	Raw	mm2	23.76
1167	Transformation, to annual crop, non-irrigated, extensive	Raw	cm2	14.69
1168	Transformation, to annual crop, non-irrigated, intensive	Raw	cm2	58.86
1169	Transformation, to dump site	Raw	cm2	32.44
1170	Transformation, to dump site, inert material landfill	Raw	mm2	98.53
1171	Transformation, to dump site, residual material landfill	Raw	mm2	462.96
1172	Transformation, to dump site, sanitary landfill	Raw	mm2	5.65
1173	Transformation, to dump site, slag compartment	Raw	mm2	2.92
1174	Transformation, to forest, extensive	Raw	mm2	29.37
1175	Transformation, to forest, intensive	Raw	cm2	126.84
1176	Transformation, to forest, secondary (non-use)	Raw	mm2	0.01
1177	Transformation, to forest, unspecified	Raw	mm2	608.06
1178	Transformation, to grassland, natural (non-use)	Raw	mm2	298.82
1179	Transformation, to heterogeneous, agricultural	Raw	mm2	36.89
1180	Transformation, to industrial area	Raw	cm2	54.38
1181	Transformation, to inland waterbody, unspecified	Raw	mm2	0.04
1182	Transformation, to mineral extraction site	Raw	cm2	41.57

1183	Transformation, to pasture, man made	Raw	mm2	5.62
1184	Transformation, to pasture, man made, extensive	Raw	mm2	0.18
1185	Transformation, to pasture, man made, intensive	Raw	mm2	680.18
1186	Transformation, to permanent crop	Raw	mm2	62.93
1187	Transformation, to permanent crop, irrigated	Raw	mm2	150.77
1188	Transformation, to permanent crop, irrigated, intensive	Raw	mm2	73.05
1189	Transformation, to permanent crop, non-irrigated	Raw	mm2	0.01
1190	Transformation, to permanent crop, non-irrigated, intensive	Raw	mm2	10.81
1191	Transformation, to seabed, drilling and mining	Raw	mm2	228.92
1192	Transformation, to seabed, infrastructure	Raw	mm2	0.41
1193	Transformation, to seabed, unspecified	Raw	mm2	0.01
1194	Transformation, to shrub land, sclerophyllous	Raw	mm2	570.04
1195	Transformation, to traffic area, rail network	Raw	mm2	103.38
1196	Transformation, to traffic area, rail/road embankment	Raw	mm2	356.17
1197	Transformation, to traffic area, road network	Raw	mm2	492.63
1198	Transformation, to unknown	Raw	mm2	37.11
1199	Transformation, to urban, discontinuously built	Raw	mm2	0.90
1200	Transformation, to urban/industrial fallow	Raw	mm2	0.16
1201	Transformation, to water bodies, artificial	Raw	cm2	65.80
1202	Transformation, to wetland, inland (non-use)	Raw	mm2	0.02
1203	Triadimenol	Soil	ng	19.68
1204	Triallate	Soil	ng	6.28
1205	Triasulfuron	Soil	ng	1.86
1206	Tribenuron	Soil	ng	1.88
1207	Tribenuron-methyl	Soil	ng	65.28
1208	Tribufos	Soil	ng	952.52
1209	Tributyltin compounds	Water	µg	971.47
1210	Trichlorfon	Soil	pg	280.89
1211	Triclopyr	Soil	µg	1.19
1212	Triethylene glycol	Water	µg	96.43
1213	Trifloxystrobin	Air	ng	1.43
1214	Trifloxystrobin	Water	pg	0.00

1215	Trifloxystrobin	Soil	ng	211.91
1216	Trifluralin	Air	µg	2.26
1217	Trifluralin	Soil	µg	11.10
1218	Triforine	Soil	ng	324.05
1219	Trimethylamine	Air	ng	16.73
1220	Trimethylamine	Water	ng	40.16
1221	Trinexapac-ethyl	Soil	µg	2.37
1222	Trioctyltin	Water	pg	0.08
1223	Triphenyltin	Water	pg	0.04
1224	Trisodium phosphate	Air	ng	251.10
1225	Tungsten	Air	µg	17.61
1226	Tungsten	Water	mg	106.49
1227	Ulexite	Raw	mg	14.98
1228	Uranium	Raw	mg	87.27
1229	Uranium	Air	µg	11.80
1230	Uranium-234	Air	Bq	2.29
1231	Uranium-234	Water	mBq	426.17
1232	Uranium-235	Air	mBq	7.61
1233	Uranium-235	Water	mBq	475.51
1234	Uranium-238	Air	Bq	16.99
1235	Uranium-238	Water	mBq	980.38
1236	Uranium alpha	Air	mBq	875.21
1237	Uranium alpha	Water	Bq	14.38
1238	Urea	Water	ng	298.65
1239	Vanadium	Air	mg	20.61
1240	Vanadium	Water	g	1.33
1241	Vanadium	Soil	µg	325.42
1242	Vermiculite	Raw	mg	172.78
1243	Vinclozolin	Soil	ng	12.34
1244	VOC, volatile organic compounds, unspecified origin	Air	ng	741.57
1245	VOC, volatile organic compounds, unspecified origin	Water	mg	20.21
1246	Volume occupied, final repository for low-active radioactive waste	Raw	mm3	349.97

1247	Volume occupied, final repository for radioactive waste	Raw	mm3	26.07
1248	Volume occupied, reservoir	Raw	m3day	355.09
1249	Volume occupied, underground deposit	Raw	mm3	89.63
1250	Water, AR	Water	cm3	3.71
1251	Water, AT	Water	l	235.60
1252	Water, AU	Water	l	569.13
1253	Water, BA	Water	l	52.29
1254	Water, BE	Water	l	3.14
1255	Water, BG	Water	l	30.09
1256	Water, BR	Water	l	272.89
1257	Water, CA	Water	l	390.45
1258	Water, CH	Water	l	695.49
1259	Water, CI	Water	cm3	8.41
1260	Water, CL	Water	l	88.56
1261	Water, CN	Water	m3	3.62
1262	Water, CO	Water	mm3	274.88
1263	Water, cooling, unspecified natural origin, AT	Raw	cm3	83.67
1264	Water, cooling, unspecified natural origin, AU	Raw	l	7.40
1265	Water, cooling, unspecified natural origin, BA	Raw	cm3	79.97
1266	Water, cooling, unspecified natural origin, BE	Raw	cm3	425.99
1267	Water, cooling, unspecified natural origin, BG	Raw	cm3	507.34
1268	Water, cooling, unspecified natural origin, BR	Raw	cm3	651.58
1269	Water, cooling, unspecified natural origin, CA	Raw	l	2.27
1270	Water, cooling, unspecified natural origin, CH	Raw	l	2.11
1271	Water, cooling, unspecified natural origin, CL	Raw	cm3	176.15
1272	Water, cooling, unspecified natural origin, CN	Raw	l	21.65
1273	Water, cooling, unspecified natural origin, CY	Raw	cm3	22.02
1274	Water, cooling, unspecified natural origin, CZ	Raw	l	3.76
1275	Water, cooling, unspecified natural origin, DE	Raw	l	4.15
1276	Water, cooling, unspecified natural origin, DK	Raw	cm3	104.55
1277	Water, cooling, unspecified natural origin, EE	Raw	cm3	143.38
1278	Water, cooling, unspecified natural origin, ES	Raw	l	1.10

1279	Water, cooling, unspecified natural origin, Europe without Switzerland	Raw	cm3	542.98
1280	Water, cooling, unspecified natural origin, FI	Raw	cm3	315.44
1281	Water, cooling, unspecified natural origin, FR	Raw	l	6.37
1282	Water, cooling, unspecified natural origin, GB	Raw	l	1.58
1283	Water, cooling, unspecified natural origin, GLO	Raw	cm3	904.60
1284	Water, cooling, unspecified natural origin, GR	Raw	cm3	937.86
1285	Water, cooling, unspecified natural origin, HR	Raw	cm3	32.72
1286	Water, cooling, unspecified natural origin, HU	Raw	cm3	251.52
1287	Water, cooling, unspecified natural origin, IAI Area, Africa	Raw	mm3	281.20
1288	Water, cooling, unspecified natural origin, IAI Area, Asia, without China and GCC	Raw	mm3	0.21
1289	Water, cooling, unspecified natural origin, IAI Area, EU27 & EFTA	Raw	cm3	1.34
1290	Water, cooling, unspecified natural origin, IAI Area, Gulf Cooperation Council	Raw	mm3	0.37
1291	Water, cooling, unspecified natural origin, IAI Area, Russia & RER w/o EU27 & EFTA	Raw	cm3	1.49
1292	Water, cooling, unspecified natural origin, IAI Area, South America	Raw	mm3	209.01
1293	Water, cooling, unspecified natural origin, ID	Raw	l	8.41
1294	Water, cooling, unspecified natural origin, IE	Raw	cm3	102.84
1295	Water, cooling, unspecified natural origin, IN	Raw	m3	5.36
1296	Water, cooling, unspecified natural origin, IR	Raw	l	1.57
1297	Water, cooling, unspecified natural origin, IS	Raw	mm3	55.05
1298	Water, cooling, unspecified natural origin, IT	Raw	cm3	989.77
1299	Water, cooling, unspecified natural origin, JP	Raw	l	3.03
1300	Water, cooling, unspecified natural origin, KR	Raw	l	2.45
1301	Water, cooling, unspecified natural origin, LT	Raw	cm3	23.76
1302	Water, cooling, unspecified natural origin, LU	Raw	cm3	12.09
1303	Water, cooling, unspecified natural origin, LV	Raw	cm3	30.61
1304	Water, cooling, unspecified natural origin, MA	Raw	cm3	3.14
1305	Water, cooling, unspecified natural origin, MK	Raw	cm3	39.57
1306	Water, cooling, unspecified natural origin, MT	Raw	cm3	20.86
1307	Water, cooling, unspecified natural origin, MX	Raw	cm3	871.98

1308	Water, cooling, unspecified natural origin, MY	Raw	cm3	574.65
1309	Water, cooling, unspecified natural origin, NL	Raw	cm3	546.50
1310	Water, cooling, unspecified natural origin, NO	Raw	cm3	23.18
1311	Water, cooling, unspecified natural origin, NP	Raw	mm3	5.31
1312	Water, cooling, unspecified natural origin, OCE	Raw	mm3	20.62
1313	Water, cooling, unspecified natural origin, PE	Raw	cm3	115.75
1314	Water, cooling, unspecified natural origin, PH	Raw	mm3	90.17
1315	Water, cooling, unspecified natural origin, PL	Raw	l	4.21
1316	Water, cooling, unspecified natural origin, PT	Raw	cm3	107.91
1317	Water, cooling, unspecified natural origin, RER	Raw	l	7.55
1318	Water, cooling, unspecified natural origin, RNA	Raw	cm3	1.74
1319	Water, cooling, unspecified natural origin, RO	Raw	cm3	820.12
1320	Water, cooling, unspecified natural origin, RoW	Raw	l	27.51
1321	Water, cooling, unspecified natural origin, RS	Raw	cm3	904.06
1322	Water, cooling, unspecified natural origin, RU	Raw	l	15.73
1323	Water, cooling, unspecified natural origin, SA	Raw	l	1.39
1324	Water, cooling, unspecified natural origin, SE	Raw	cm3	684.49
1325	Water, cooling, unspecified natural origin, SI	Raw	cm3	545.71
1326	Water, cooling, unspecified natural origin, SK	Raw	cm3	654.79
1327	Water, cooling, unspecified natural origin, TH	Raw	cm3	532.26
1328	Water, cooling, unspecified natural origin, TR	Raw	cm3	906.23
1329	Water, cooling, unspecified natural origin, TW	Raw	cm3	883.78
1330	Water, cooling, unspecified natural origin, TZ	Raw	cm3	21.51
1331	Water, cooling, unspecified natural origin, UA	Raw	l	1.46
1332	Water, cooling, unspecified natural origin, US	Raw	l	15.62
1333	Water, cooling, unspecified natural origin, WEU	Raw	mm3	14.76
1334	Water, cooling, unspecified natural origin, ZA	Raw	cm3	262.81
1335	Water, CR	Water	mm3	97.18
1336	Water, CY	Water	cm3	21.88
1337	Water, CZ	Water	l	13.23
1338	Water, DE	Water	l	125.68
1339	Water, DK	Water	cm3	132.75
1340	Water, EC	Water	cm3	1.10

1341	Water, EE	Water	cm3	344.23
1342	Water, ES	Water	l	160.39
1343	Water, Europe without Switzerland	Water	cm3	340.96
1344	Water, Europe, without Russia and Turkey	Water	cm3	21.32
1345	Water, FI	Water	l	53.21
1346	Water, FR	Water	l	636.07
1347	Water, GB	Water	l	28.26
1348	Water, GH	Water	cm3	8.25
1349	Water, GLO	Water	l	2.58
1350	Water, GR	Water	l	28.41
1351	Water, HN	Water	mm3	10.35
1352	Water, HR	Water	l	2.52
1353	Water, HU	Water	l	2.02
1354	Water, IAI Area, Africa	Water	cm3	24.02
1355	Water, IAI Area, Asia, without China and GCC	Water	cm3	30.85
1356	Water, IAI Area, EU27 & EFTA	Water	cm3	85.83
1357	Water, IAI Area, Gulf Cooperation Council	Water	cm3	128.09
1358	Water, IAI Area, Russia & RER w/o EU27 & EFTA	Water	cm3	61.03
1359	Water, IAI Area, South America	Water	cm3	10.71
1360	Water, ID	Water	l	102.44
1361	Water, IE	Water	l	4.00
1362	Water, IL	Water	mm3	35.65
1363	Water, IN	Water	m3	769.58
1364	Water, IR	Water	l	60.70
1365	Water, IS	Water	l	59.00
1366	Water, IT	Water	l	112.97
1367	Water, JP	Water	l	224.99
1368	Water, KR	Water	l	11.60
1369	Water, lake, CA	Raw	cm3	36.12
1370	Water, lake, CH	Raw	cm3	18.14
1371	Water, lake, CN	Raw	mm3	0.23
1372	Water, lake, DE	Raw	mm3	129.53
1373	Water, lake, Europe without Switzerland	Raw	cm3	24.95

1374	Water, lake, GLO	Raw	mm3	105.78
1375	Water, lake, RER	Raw	mm3	85.96
1376	Water, lake, RNA	Raw	mm3	0.06
1377	Water, lake, RoW	Raw	cm3	491.15
1378	Water, lake, SE	Raw	mm3	0.15
1379	Water, lake, US	Raw	mm3	0.06
1380	Water, LT	Water	l	2.46
1381	Water, LU	Water	l	1.85
1382	Water, LV	Water	l	13.69
1383	Water, MA	Water	cm3	2.06
1384	Water, MK	Water	l	1.61
1385	Water, MT	Water	cm3	20.79
1386	Water, MX	Water	l	148.38
1387	Water, MY	Water	l	10.05
1388	Water, NL	Water	l	1.19
1389	Water, NO	Water	l	22.40
1390	Water, NORDEL	Water	mm3	54.70
1391	Water, NP	Water	l	13.88
1392	Water, NZ	Water	mm3	0.76
1393	Water, OCE	Water	cm3	4.42
1394	Water, PE	Water	l	1.56
1395	Water, PG	Water	mm3	373.88
1396	Water, PH	Water	cm3	5.11
1397	Water, PL	Water	l	16.50
1398	Water, PT	Water	l	66.05
1399	Water, RAF	Water	cm3	113.04
1400	Water, RAS	Water	cm3	117.21
1401	Water, RER	Water	l	7.40
1402	Water, river, AT	Raw	mm3	11.13
1403	Water, river, AU	Raw	cm3	11.33
1404	Water, river, BE	Raw	mm3	48.35
1405	Water, river, BG	Raw	mm3	14.96
1406	Water, river, BR	Raw	cm3	66.41

1407	Water, river, CA	Raw	cm3	428.95
1408	Water, river, CH	Raw	cm3	235.55
1409	Water, river, CN	Raw	cm3	249.72
1410	Water, river, CZ	Raw	mm3	0.19
1411	Water, river, DE	Raw	cm3	17.56
1412	Water, river, DK	Raw	mm3	27.92
1413	Water, river, ES	Raw	cm3	17.65
1414	Water, river, Europe without Switzerland	Raw	cm3	477.47
1415	Water, river, FI	Raw	mm3	9.97
1416	Water, river, FR	Raw	cm3	2.93
1417	Water, river, GB	Raw	mm3	144.81
1418	Water, river, GLO	Raw	cm3	170.51
1419	Water, river, HU	Raw	mm3	8.83
1420	Water, river, IN	Raw	cm3	115.24
1421	Water, river, IT	Raw	mm3	320.51
1422	Water, river, JP	Raw	mm3	0.00
1423	Water, river, KR	Raw	cm3	30.40
1424	Water, river, LU	Raw	mm3	0.13
1425	Water, river, MY	Raw	cm3	8.21
1426	Water, river, NL	Raw	mm3	47.96
1427	Water, river, NO	Raw	mm3	4.27
1428	Water, river, PE	Raw	mm3	3.76
1429	Water, river, PH	Raw	cm3	38.97
1430	Water, river, PL	Raw	mm3	2.38
1431	Water, river, PT	Raw	mm3	8.60
1432	Water, river, RAS	Raw	cm3	238.67
1433	Water, river, RER	Raw	l	71.63
1434	Water, river, RLA	Raw	cm3	62.39
1435	Water, river, RNA	Raw	cm3	111.20
1436	Water, river, RO	Raw	cm3	31.42
1437	Water, river, RoW	Raw	l	184.19
1438	Water, river, RU	Raw	cm3	15.78
1439	Water, river, SE	Raw	mm3	286.73

1440	Water, river, SK	Raw	mm3	0.04
1441	Water, river, TN	Raw	mm3	583.62
1442	Water, river, TZ	Raw	mm3	57.57
1443	Water, river, US	Raw	cm3	123.71
1444	Water, river, WEU	Raw	mm3	0.00
1445	Water, river, ZA	Raw	cm3	358.60
1446	Water, RLA	Water	cm3	131.99
1447	Water, RME	Water	l	1.11
1448	Water, RNA	Water	cm3	531.58
1449	Water, RO	Water	l	128.56
1450	Water, RoW	Water	m3	5.11
1451	Water, RS	Water	l	56.36
1452	Water, RU	Water	m3	1.23
1453	Water, SA	Water	l	1.40
1454	Water, salt, ocean	Raw	l	1.62
1455	Water, salt, sole	Raw	cm3	675.04
1456	Water, SE	Water	l	352.05
1457	Water, SI	Water	l	53.56
1458	Water, SK	Water	l	30.81
1459	Water, TH	Water	l	4.32
1460	Water, TR	Water	l	95.21
1461	Water, turbine use, unspecified natural origin, AT	Raw	l	235.58
1462	Water, turbine use, unspecified natural origin, AU	Raw	l	557.60
1463	Water, turbine use, unspecified natural origin, BA	Raw	l	52.23
1464	Water, turbine use, unspecified natural origin, BE	Raw	l	2.72
1465	Water, turbine use, unspecified natural origin, BG	Raw	l	29.62
1466	Water, turbine use, unspecified natural origin, BR	Raw	l	273.22
1467	Water, turbine use, unspecified natural origin, CA	Raw	l	389.46
1468	Water, turbine use, unspecified natural origin, CH	Raw	l	694.77
1469	Water, turbine use, unspecified natural origin, CL	Raw	l	88.38
1470	Water, turbine use, unspecified natural origin, CN	Raw	m3	3.60
1471	Water, turbine use, unspecified natural origin, CZ	Raw	l	9.60
1472	Water, turbine use, unspecified natural origin, DE	Raw	l	121.73

1473	Water, turbine use, unspecified natural origin, DK	Raw	cm3	96.63
1474	Water, turbine use, unspecified natural origin, EE	Raw	cm3	205.46
1475	Water, turbine use, unspecified natural origin, ES	Raw	l	159.33
1476	Water, turbine use, unspecified natural origin, FI	Raw	l	52.94
1477	Water, turbine use, unspecified natural origin, FR	Raw	l	629.77
1478	Water, turbine use, unspecified natural origin, GB	Raw	l	26.67
1479	Water, turbine use, unspecified natural origin, GLO	Raw	cm3	1.19
1480	Water, turbine use, unspecified natural origin, GR	Raw	l	27.49
1481	Water, turbine use, unspecified natural origin, HR	Raw	l	2.52
1482	Water, turbine use, unspecified natural origin, HU	Raw	l	1.77
1483	Water, turbine use, unspecified natural origin, ID	Raw	l	78.25
1484	Water, turbine use, unspecified natural origin, IE	Raw	l	3.89
1485	Water, turbine use, unspecified natural origin, IN	Raw	m3	764.19
1486	Water, turbine use, unspecified natural origin, IR	Raw	l	59.11
1487	Water, turbine use, unspecified natural origin, IS	Raw	l	59.21
1488	Water, turbine use, unspecified natural origin, IT	Raw	l	112.20
1489	Water, turbine use, unspecified natural origin, JP	Raw	l	222.06
1490	Water, turbine use, unspecified natural origin, KR	Raw	l	9.23
1491	Water, turbine use, unspecified natural origin, LT	Raw	l	2.44
1492	Water, turbine use, unspecified natural origin, LU	Raw	l	1.83
1493	Water, turbine use, unspecified natural origin, LV	Raw	l	13.66
1494	Water, turbine use, unspecified natural origin, MK	Raw	l	1.57
1495	Water, turbine use, unspecified natural origin, MX	Raw	l	147.50
1496	Water, turbine use, unspecified natural origin, MY	Raw	l	9.50
1497	Water, turbine use, unspecified natural origin, NL	Raw	cm3	704.87
1498	Water, turbine use, unspecified natural origin, NO	Raw	l	23.14
1499	Water, turbine use, unspecified natural origin, NP	Raw	l	13.88
1500	Water, turbine use, unspecified natural origin, PE	Raw	l	1.49
1501	Water, turbine use, unspecified natural origin, PL	Raw	l	12.86
1502	Water, turbine use, unspecified natural origin, PT	Raw	l	65.96
1503	Water, turbine use, unspecified natural origin, RER	Raw	cm3	52.55
1504	Water, turbine use, unspecified natural origin, RNA	Raw	mm3	45.52
1505	Water, turbine use, unspecified natural origin, RO	Raw	l	127.79

1506	Water, turbine use, unspecified natural origin, RoW	Raw	m3	5.08
1507	Water, turbine use, unspecified natural origin, RS	Raw	l	55.48
1508	Water, turbine use, unspecified natural origin, RU	Raw	m3	1.21
1509	Water, turbine use, unspecified natural origin, SE	Raw	l	351.43
1510	Water, turbine use, unspecified natural origin, SI	Raw	l	53.03
1511	Water, turbine use, unspecified natural origin, SK	Raw	l	30.19
1512	Water, turbine use, unspecified natural origin, TH	Raw	l	3.79
1513	Water, turbine use, unspecified natural origin, TR	Raw	l	94.35
1514	Water, turbine use, unspecified natural origin, TW	Raw	l	16.73
1515	Water, turbine use, unspecified natural origin, TZ	Raw	l	1.90
1516	Water, turbine use, unspecified natural origin, UA	Raw	l	46.63
1517	Water, turbine use, unspecified natural origin, US	Raw	l	941.74
1518	Water, turbine use, unspecified natural origin, ZA	Raw	l	2.58
1519	Water, TW	Water	l	17.60
1520	Water, TZ	Water	l	1.91
1521	Water, UA	Water	l	48.10
1522	Water, UCTE	Water	mm3	7.82
1523	Water, UCTE without Germany	Water	mm3	0.67
1524	Water, unspecified natural origin, AT	Raw	mm3	7.07
1525	Water, unspecified natural origin, AU	Raw	mm3	0.10
1526	Water, unspecified natural origin, BE	Raw	mm3	62.38
1527	Water, unspecified natural origin, BG	Raw	mm3	3.78
1528	Water, unspecified natural origin, BR	Raw	mm3	105.76
1529	Water, unspecified natural origin, CA	Raw	cm3	17.38
1530	Water, unspecified natural origin, CH	Raw	cm3	799.86
1531	Water, unspecified natural origin, CL	Raw	mm3	0.42
1532	Water, unspecified natural origin, CN	Raw	cm3	54.75
1533	Water, unspecified natural origin, CO	Raw	mm3	15.93
1534	Water, unspecified natural origin, CZ	Raw	mm3	16.96
1535	Water, unspecified natural origin, DE	Raw	mm3	234.69
1536	Water, unspecified natural origin, DK	Raw	mm3	7.07
1537	Water, unspecified natural origin, EE	Raw	mm3	0.85
1538	Water, unspecified natural origin, ES	Raw	mm3	30.12

1539	Water, unspecified natural origin, Europe without Switzerland	Raw	cm3	71.02
1540	Water, unspecified natural origin, FI	Raw	mm3	11.53
1541	Water, unspecified natural origin, FR	Raw	mm3	103.96
1542	Water, unspecified natural origin, GB	Raw	mm3	38.09
1543	Water, unspecified natural origin, GLO	Raw	cm3	878.16
1544	Water, unspecified natural origin, HN	Raw	mm3	10.35
1545	Water, unspecified natural origin, HU	Raw	mm3	3.57
1546	Water, unspecified natural origin, IAI Area, Africa	Raw	cm3	3.09
1547	Water, unspecified natural origin, IAI Area, Asia, without China and GCC	Raw	cm3	5.53
1548	Water, unspecified natural origin, IAI Area, EU27 & EFTA	Raw	cm3	14.58
1549	Water, unspecified natural origin, IAI Area, Gulf Cooperation Council	Raw	mm3	276.06
1550	Water, unspecified natural origin, IAI Area, Russia & RER w/o EU27 & EFTA	Raw	cm3	22.31
1551	Water, unspecified natural origin, IAI Area, South America	Raw	cm3	6.29
1552	Water, unspecified natural origin, ID	Raw	mm3	25.23
1553	Water, unspecified natural origin, IN	Raw	l	4.13
1554	Water, unspecified natural origin, IT	Raw	mm3	126.93
1555	Water, unspecified natural origin, JP	Raw	mm3	234.36
1556	Water, unspecified natural origin, KR	Raw	mm3	78.50
1557	Water, unspecified natural origin, LU	Raw	mm3	0.05
1558	Water, unspecified natural origin, MX	Raw	mm3	0.11
1559	Water, unspecified natural origin, NL	Raw	mm3	74.80
1560	Water, unspecified natural origin, NO	Raw	mm3	3.83
1561	Water, unspecified natural origin, OCE	Raw	cm3	6.38
1562	Water, unspecified natural origin, PG	Raw	mm3	45.65
1563	Water, unspecified natural origin, PH	Raw	mm3	22.54
1564	Water, unspecified natural origin, PL	Raw	mm3	12.36
1565	Water, unspecified natural origin, PT	Raw	mm3	2.17
1566	Water, unspecified natural origin, RAF	Raw	cm3	132.99
1567	Water, unspecified natural origin, RER	Raw	cm3	735.62

1568	Water, unspecified natural origin, RER w/o CH+DE	Raw	mm3	0.00
1569	Water, unspecified natural origin, RLA	Raw	cm3	7.78
1570	Water, unspecified natural origin, RME	Raw	l	1.31
1571	Water, unspecified natural origin, RNA	Raw	cm3	59.90
1572	Water, unspecified natural origin, RoW	Raw	l	10.18
1573	Water, unspecified natural origin, RU	Raw	cm3	186.09
1574	Water, unspecified natural origin, SE	Raw	mm3	25.12
1575	Water, unspecified natural origin, SK	Raw	mm3	0.36
1576	Water, unspecified natural origin, TH	Raw	mm3	0.08
1577	Water, unspecified natural origin, TR	Raw	mm3	13.54
1578	Water, unspecified natural origin, TW	Raw	mm3	0.69
1579	Water, unspecified natural origin, UA	Raw	mm3	4.72
1580	Water, unspecified natural origin, US	Raw	cm3	51.74
1581	Water, unspecified natural origin, VN	Raw	mm3	47.02
1582	Water, unspecified natural origin, WEU	Raw	mm3	1.61
1583	Water, unspecified natural origin, ZA	Raw	cm3	146.82
1584	Water, US	Water	l	957.34
1585	Water, VN	Water	mm3	786.80
1586	Water, well, AT	Raw	mm3	0.03
1587	Water, well, AU	Raw	l	4.19
1588	Water, well, BE	Raw	mm3	0.11
1589	Water, well, BG	Raw	mm3	0.01
1590	Water, well, BR	Raw	cm3	15.34
1591	Water, well, CA	Raw	cm3	34.77
1592	Water, well, CH	Raw	cm3	59.96
1593	Water, well, CN	Raw	cm3	956.84
1594	Water, well, CZ	Raw	mm3	0.00
1595	Water, well, DE	Raw	cm3	8.11
1596	Water, well, DK	Raw	mm3	0.02
1597	Water, well, ES	Raw	cm3	10.40
1598	Water, well, Europe without Switzerland	Raw	cm3	89.91
1599	Water, well, Europe, without Russia and Turkey	Raw	cm3	19.18
1600	Water, well, FI	Raw	mm3	0.01

1601	Water, well, FR	Raw	cm3	2.23
1602	Water, well, GB	Raw	mm3	0.11
1603	Water, well, GLO	Raw	cm3	93.17
1604	Water, well, HU	Raw	mm3	0.01
1605	Water, well, ID	Raw	l	16.09
1606	Water, well, IN	Raw	l	148.51
1607	Water, well, IS	Raw	mm3	0.10
1608	Water, well, IT	Raw	mm3	0.36
1609	Water, well, JP	Raw	mm3	0.05
1610	Water, well, LU	Raw	mm3	0.00
1611	Water, well, MA	Raw	mm3	198.72
1612	Water, well, MX	Raw	mm3	0.12
1613	Water, well, MY	Raw	mm3	713.70
1614	Water, well, NL	Raw	mm3	0.09
1615	Water, well, NO	Raw	mm3	0.00
1616	Water, well, NORDEL	Raw	mm3	64.36
1617	Water, well, PE	Raw	mm3	6.10
1618	Water, well, PG	Raw	mm3	394.21
1619	Water, well, PH	Raw	cm3	6.09
1620	Water, well, PL	Raw	mm3	0.00
1621	Water, well, PT	Raw	mm3	0.01
1622	Water, well, RER	Raw	cm3	257.11
1623	Water, well, RLA	Raw	cm3	101.68
1624	Water, well, RNA	Raw	cm3	298.11
1625	Water, well, RoW	Raw	l	2.87
1626	Water, well, RU	Raw	cm3	291.54
1627	Water, well, SE	Raw	mm3	40.39
1628	Water, well, SK	Raw	mm3	0.00
1629	Water, well, TH	Raw	mm3	0.00
1630	Water, well, TN	Raw	mm3	897.65
1631	Water, well, TR	Raw	mm3	0.68
1632	Water, well, US	Raw	cm3	191.51
1633	Water, well, WEU	Raw	mm3	0.04

1634	Water, well, ZA	Raw	cm3	403.26
1635	Water, WEU	Water	mm3	10.36
1636	Water, ZA	Water	l	3.15
1637	Water/m3	Air	l	399.49
1638	Water/m3	Water	cm3	11.63
1639	Wood, hard, standing	Raw	cm3	896.90
1640	Wood, soft, standing	Raw	cm3	62.94
1641	Wood, unspecified, standing/m3	Raw	mm3	3.31
1642	Xenon	Raw	µg	13.08
1643	Xenon-131m	Air	Bq	14.23
1644	Xenon-133	Air	kBq	2.05
1645	Xenon-133m	Air	mBq	498.01
1646	Xenon-135	Air	Bq	629.70
1647	Xenon-135m	Air	Bq	131.50
1648	Xenon-137	Air	Bq	4.17
1649	Xenon-138	Air	Bq	31.04
1650	Xylene	Air	mg	633.53
1651	Xylene	Water	mg	6.62
1652	Zeta-cypermethrin	Air	ng	9.44
1653	Zeta-cypermethrin	Soil	pg	404.36
1654	Zinc	Raw	g	1.07
1655	Zinc	Air	mg	57.52
1656	Zinc	Water	g	6.36
1657	Zinc	Soil	mg	9.85
1658	Zinc-65	Air	µBq	33.55
1659	Zinc-65	Water	mBq	115.47
1660	Zinc, Zn 0.63%, Au 9.7E-4%, Ag 9.7E-4%, Cu 0.38%, Pb 0.014%, in ore	Raw	mg	164.67
1661	Zinc, Zn 3.1%, in mixed ore	Raw	mg	7.92
1662	Zirconium	Raw	mg	40.36
1663	Zirconium	Air	ng	105.61
1664	Zirconium-95	Air	µBq	179.47
1665	Zirconium-95	Water	mBq	208.51

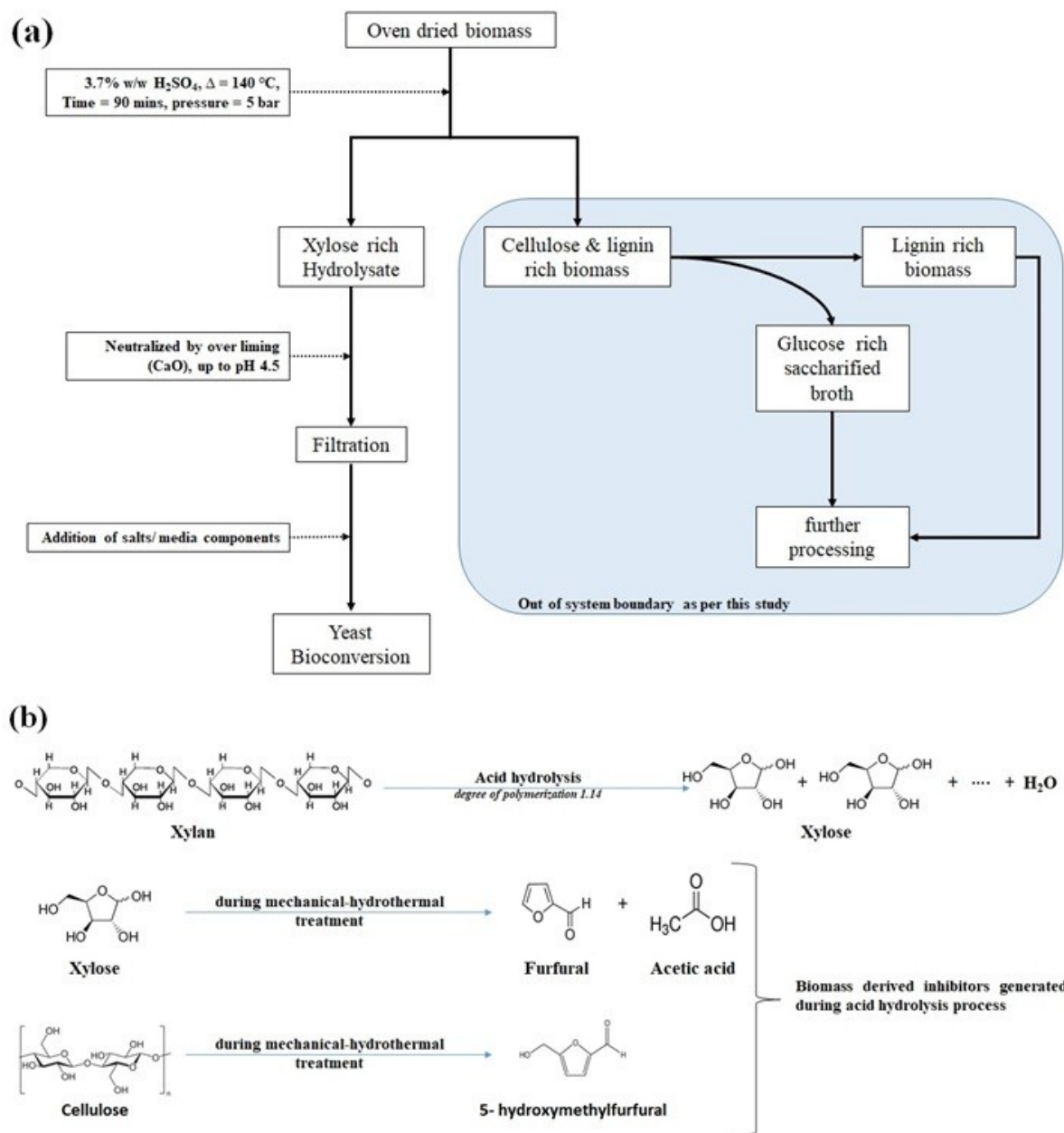
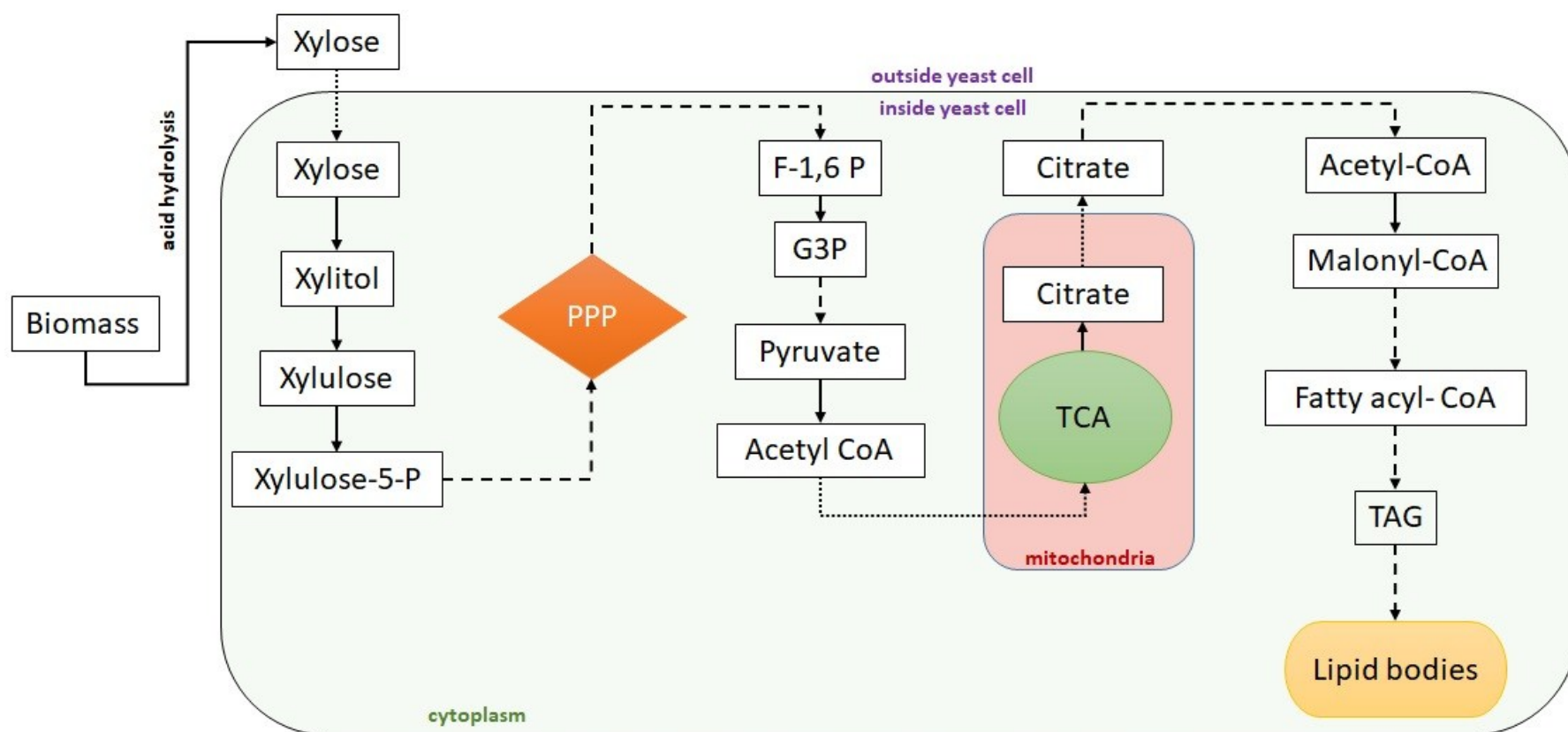


Figure S1: Reaction scheme for dilute acid pretreatment of biomass



PPP: pentose phosphate pathway; TCA: Tricarboxylic acid cycle; F-1, 6 P: Fructose 1,6 Bis phosphate; G3P: Glyceraldehyde-3-Phosphate; TAG: Tri-acyl glycerol

→ Single step conversion - - - → Multi step conversion → Inter / intra cellular transportation

Figure S2: Biochemical pathway for yeast lipid bioconversion