

Environmental quality standards for Belgium							
	Compound	Soil mg/kg dry matter	ground- water guide level	groundwater max. admissible concentration	Surface water	Drinking water	"lozingsnormen" (wastewater values)
	Aromatic compounds						These values depend on the kind of industry. No global values can be given.
1	benzene	0,1					
2	toluene	0,1					
3	ethylbenzene	0,1					
4	xylene	0,1					
5	styrene	0,1					
	Polycyclic hydrocarbons						
6	Aromatic polycyclic hydrocarbons			0,2 µg/l	100 ng/l	0,001 mg/l	
7	naphtalene	0,005					
8	anthracene	0,01					
9	benzo(a)pyrene	0,1					
10	phenanthrene	0,08					
11	fluoranthene	0,2					
12	benzo(a)anthracene	0,06					
13	chrysene	0,15					
14	benzo(k)fluoranthene	0,2					
15	benzo(b)fluoranthene	0,2					
16	benzo(ghi)perylene	0,1					
17	indeno(1,2,3-cd)pyrene	0,1					
18	mineral oil	50					
	Pesticides						
19	Pesticides and related products-per separate substance			0,1 µg/l			
20	Pesticides and related products-total			0,5 µg/l		0,005 mg/l	
21	Organochlorine pesticides				20 ng/l		
22	dichlorvos						
23	fenitrothion						
24	linuron						
25	malathion						
26	mevinphos						
27	parathion [-ethyl]						
28	simazine						
29	atrazine						
30	dimethoate						
31	aldrin						
32	dieldrin						
33	endrin						
34	isodrin						
35	DDT						
36	p,p'-DDT isomer						

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	Chlorinated compounds						
37	Chlorinated biphenyls				7 ng/l		
38	Chlorinated aromatic amines				1 µg/l		
39	Chlorinated phenols				50 ng/l		
40	VOX				5 µg/l		
41	EOX				5 µg/l		
42	AOX				40 µg/l		
43	hexachlorobenzene						
44	hexachlorobutadiene						
45	chloroform						
46	1,2-dichloroethane						
47	trichloroethylene						
48	perchloroethylene						
49	trichlorobenzene						
50	tetrachloromethane						
51	dichloromethane						
52	pentachlorophenol						
53	hexachlorocyclohexane						
	Metals						
54	arsenic	19		50 µg/l	30 µg/l (total)	0,1 mg/l	
55	cadmium	0,8		5 µg/l		0,005 mg/l	
56	chromium	37		50 µg/l	50 µg/l (total)	0,05 mg/l (total)	
57	copper	17	100 µg/l		50 µg/l (total)	1 mg/l	
58	mercury	0,55		1 µg/l		0,001 mg/l	
59	lead	41		50 µg/l	50 µg/l (total)	0,05 mg/l	
60	nickel	9			50 µg/l (total)	0,05 mg/l	
61	zinc	62	100 µg/l		200 µg/l (total)	5 mg/l	
62	Iron		50 µg/l		200 µg/l (dissolved)	0,2 mg/l (dissolved)	
63	Manganese		20 µg/l		200 µg/l (dissolved)	1 mg/l	
64	Selenium			10 µg/l	10 µg/l (total)	0,01 mg/l	
65	Barium		100 µg/l		1000 µg/l (total)	1 mg/l	
66	Silver			10 µg/l			
67	Aluminium		0,05 mg/l	0,2 mg/l		0,1 mg/l	
68	Boron		1000 µg/l			1 mg/l	
69	Antimony			10 µg/l			

	Compound	Soil	ground- water	groundwater	Surface water	Drinking water	"lozingsnormen" (wastewater values)
		mg/kg dry matter	guide level	max. admissible concentration			
	Other contaminants						
70	Cyanides				0,05 mg/l	0,05 mg/l	
71	hexane	0,5					
72	heptane	0,5					
73	octane	0,5					
74	Dissolved or emulsified hydrocarbons (after extrac- tion with ether); mineral oils (µg/l)			10 µg/l		1 mg/l	
75	Hydrogen ions		6,5≤pH≤8,5				
76	Chlorides		25 mg/l		200 mg/l	200 mg/l	
77	Free chlorine				0,004 mg/l		
78	Sulphates		25 mg/l	250 mg/l	150-250 mg/l	250 mg/l	
79	Calcium		100 mg/l				
80	Magnesium		30 mg/l	50 mg/l			
81	Sodium		20 mg/l	150 mg/l as of 1987, with percentile 80			
82	Potassium		10 mg/l	12 mg/l			
83	Nitrates		25 mg/l	50 mg/l		50 mg/l	
84	Nitrites			0,1 mg/l			
85	nitrates + nitrites				10 mg/l		
86	Ammonium		0,05 mg/l	0,5 mg/l	1 mg/l	4 mg/l	
87	ammonia				0,02 mg/l		
88	Kjeldahl nitrogen (without N from NO <sub>2</sub> and NO <sub>3</sub> )			1 mg/l			
89	Kjeldahl nitrogen (without N from NO <sub>3</sub> )					3 mg/l	
90	Kjeldahl nitrogen				6 mg/l		
91	Phosphorus		400 µg/l	5000 µg/l			
92	phosphates					0,7 mg/l	
93	total phosphates				0,3-1 mg/l		
94	orthophosphates in running waters				0,3 mg/l		
95	orthophosphates in still waters				0,05 mg/l		
96	Fluorine			1500 µg/l			
97	Total fluorides				1,5 mg/l	0,7/1,7 mg/l	
98	Residual chlorine		1 µg/l				
99	total extractable organic chlorine					0,005 mg/l	
100	Oxidisability (KMnO <sub>4</sub> )		2 mg/l	5 mg/l			
101	Dry residues mg/l after drying at 180 °C						
102	Substances extractable with chloroform		0,1 dry residue mg/l			0,5 mg/l	
103	Surfactants (reacting to methylene blue)			200 µg/l			

	Compound	Soil	ground-water	groundwater	Surface water	Drinking water	"lozingsnormen" (wastewater values)
		mg/kg dry matter	guide level	max. admissible concentration			
104	Anionic detergents				100 µg/l	0,5 mg/l	
105	Non-ionic and cationic detergents				1000 µg/l		
106	Phenols			0,5 µg/l		0,1 mg/l	
107	phenols volatile with water vapour				5 µg/l		
108	total phenols				40 µg/l		
109	COD				30 mg/l	30 mg/l	
110	BOD				6 mg/l	7 mg/l	
111	TOC						
112	suspended solids				50 mg/l		
	values from soil protec-tion law -> deficit positions marked with:						
	values from groundwater and drinking water law -> deficit positions marked with:						
	values at surface water: -> deficit positions marked with:						
	priority substances by EU-WRRL			no such substances found in the table of Belgium			
	The standards for the heavy metals are determined on a reference soil containing 10 % clay and 2 % organic matter.						