

Distributed water - average results of 2017

Operation area of water-link / version of 28-3-2018 / published on www.water-link.be



Parameter	Unit	Norm Decision - Flemish Executive	Year average	
			AWW-PST	AWW-PB

Part A: microbiological parameters

Escherichia coli (E. coli)	kve/100ml	0	< 1	< 1
Fecal streptococci	kve/100ml	0	< 1	< 1

Part B: chemical parameters

Antimony	µg/l	5	< 0,5	< 0,5
Arsenic	µg/l	10	< 1,0	< 1,0
Benzene	µg/l	1	< 0,10	< 0,10
Benzo(a)pyrene	µg/l	0,01	< 0,0050	< 0,0050
Boron	mg/l	1	0,032	0,051
Bromate	µg/l	10	< 5	< 5
Cadmium	µg/l	5	0,23	< 0,10
Chromium	µg/l	50	< 1,0	< 1,0
Copper	mg/l	2	0,004	0,008
Cyanide	µg/l	50	< 2	< 2
1,2-Dichloorethane	µg/l	3	< 0,10	< 0,10
Fluorides	mg/l	1,5	0,48	0,15
Lead	µg/l	10	< 0,5	< 0,5
Mercury	µg/l	1	< 0,04	< 0,04
Nickel	µg/l	20	1,9	< 1,0
Nitrates	mg/l	50	11,3	1,7
Nitrites	mg/l	0,1	< 0,02	< 0,02
Pesticides, total	µg/l	0,5	NA	NA
Atrazine	µg/l	0,1	< 0,020	< 0,020
Simazine	µg/l	0,1	< 0,020	< 0,020
Terbutylazine	µg/l	0,1	< 0,020	< 0,020
Chloortoluron	µg/l	0,1	< 0,020	< 0,020
Diuron	µg/l	0,1	< 0,020	< 0,020
Isoproturon	µg/l	0,1	< 0,020	< 0,020
Polycyclic aromatic hydrocarbons	µg/l	0,1	NA	NA
Selenium	µg/l	10	< 1,0	< 1,0
Tetra- and trichloro ethenes	µg/l	10	NA	NA
Trihalomethanes, total	µg/l	100	25,5	1,6
Bromodichloromethane	µg/l	60	1,8	< 0,1
Styrene	µg/l	20	< 0,10	< 0,10
Xylene	µg/l	500	NA	NA
Trichlorobenzenes, total	µg/l	20	NA	NA

Part C: indicator parameters

Aluminium	µg/l	200	32	3
Ammonium	mg/l	0,5	< 0,02	< 0,02
Chlorides	mg/l	250	66	18
Clostridium perfringens (+ spores)	kve/100ml	0	< 1	< 1
Colour	mg/l Pt-Co	GAV	< 3	6
Conductivity	µS/cm-20°	2100 ; GAV	573	392
Hydrogen ion concentration	pH	≥6,5 en ≤9,2	7,93	8,17
Iron	µg/l	200	< 10	< 10
Manganese	µg/l	50	< 2	< 2
Odour	-	GAV	Afwezig	Afwezig
Sulphates	mg/l	250	65	15
Sodium	mg/l	200	47	13
Taste	-	GAV	Afwezig	Afwezig
Total bacteria count at 22°C	kve/ml	GAV	2	6
Coliforms	kve/100ml	0	< 1	< 1
Organic carbon (TOC), total	mg/l	GAV	1,7	2,6
Turbidity	NTU	GAV	< 0,2	< 0,2
Free residual chlorine	µg/l	250	187	< 49
Temperature	°C	25	13,6	11,6

Part D: extra parameters

Calcium	mg/l	270	64	66
Magnesium	mg/l	50	8,3	4,3
Phosphorus	µgP/l		< 33	< 33
Potassium	mg/l		5	6
Total hardness	°F	15 - 67,5	19,4	18,3
Zinc	µg/l	5000	9	< 5

Legend

Norm Decision Flemish Government 13/12/2002 - Water for human consumption
 GAV No abnormal change and acceptable for the consumer
 NA Not detectable
 Afwezig Absent

AWW-PST *Operation area:*
 Antwerpen (centrum, noord, zuid, linkeroever, rechteroever),
 Berchem, Boechout, Borgerhout, Burcht, Deurne, Edegem, Ekeren, Kapellen,
 Hoboken, Hove, Kontich, Lillo, Merksem, Mortsel, Wilrijk, Zwijndrecht

AWW-PB *Operation area:*
 Zandvliet, Berendrecht

Units kve/100ml colony forming units per 100 millilitre
 µg/l micrograms per litre
 mg/l milligrams per litre
 mg/l Pt-Co milligrams per litre on platinum and cobalt scale
 µS/cm - 20°C micro Siemens per centimetre by 20° Celsius
 pH hydrogen ion concentration
 NTU nefelometric turbidity unit
 °C degrees Celsius
 °F French degree (hardness)
 µgP/l microgram phosphorus per litre

Hardness 1 degree French = 0,56 degree German = 0,7 degree English =
 10 mg CaCO₃ (calcium carbonate) per litre = 4 mg calcium per litre