

Jan 1 - Dec 31 2017

Cambridge Water - Cambridge North Supply Zone

Schedule 1 Parameters

Parameter	Units	PCV	Number of Samples	Number of Samples containing PCV	% of Samples containing PCV	Min	Mean	Max
Colour	mg/l Pt/Co	20	40	0	0	<1.7	<1.7	0.85
Turbidity	FTU	4	40	0	0	<0.07	0.11	0.47
Odour	Dil. Number	0	41	0	0	0.00	0.00	0.00
Taste	Dil. Number	0	41	0	0	0.00	0.00	0.00
Sodium	mg/l	200	10	0	0	8.90	12.48	17.00
Nitrate (as NO3)	mg/l	50	9	0	0	32.80	38.62	42.20
Nitrite (as NO2)	mg/l	0.5	9	0	0	<0.01	<0.01	0.01
Nitrate/Nitrite ratio		1	9	0	0	0.66	0.78	0.85
Aluminium	ug/l	200	11	0	0	4.70	4.92	5.00
Iron	ug/l	200	11	0	0	<4.0	15.73	140
Manganese	ug/l	50	11	0	0	0.90	1.15	3.30
Copper	mg/l	2	9	0	0	0.01	0.06	0.22
Fluoride	mg/l	1.5	9	0	0	0.13	0.15	0.19
Arsenic	ug/l	10	10	0	0	0.16	0.40	0.50
Cadmium	ug/l	5	11	0	0	<0.10	<0.10	0.05
Chromium	ug/l	50	11	0	0	<0.70	<0.70	0.35
Nickel	ug/l	20	9	0	0	1.10	2.00	4.50
Lead	ug/l	10	10	0	0	0.11	0.41	0.50
Antimony	ug/l	5	10	0	0	<0.10	<0.10	0.24
Selenium	ug/l	10	10	0	0	0.62	1.06	1.57
PAH	ug/l	0.1	10	0	0	<0.0001	<0.0001	<0.0001
Escherichia Coli	No./100ml	0	238	0	0	0	0	0
Intestinal Enterococci	No./100ml	0	9	0	0	0	0	0
Boron	mg/l	1	10	0	0	0.01	0.04	0.05
Bromate	ug/l	10	129	0	0	<0.1		0.83
Benzo (a) pyrene	ug/l	0.01	10	0	0	<0.0012	<0.0012	<0.0012
Trihalomethanes (total)	ug/l	100	9	0	0	5.00	6.82	10.0
Total pesticides	ug/l	0.5	128	0	0	<0.005		0.065

Indicator Parameters

Parameter	Units	PCV	Number of Samples	Number of Samples containing PCV	% of Samples containing PCV	Min	Mean	Max
pH	-	6.5 min	40	0	0	7.20	7.66	
		9.5 max						8.40
Sulphate (as SO4)	mg/l	250	9	0	0	24.3	29.9	38.0
Ammonium (as NH4)	mg/l	0.5	40	0	0	<0.03	0.03	0.09
Clostridium perfringens	No./100ml	0	117	0	0	0	0	0
Total coliforms	No./100ml	0	238	0	0	0	0	0
3 day Count 22C	No./1ml	-	77	0	0	0	0.79	18.0
Free chlorine	mg/l	-	239	0	0	0.02	0.08	0.25
Conductivity	uS/cm	2500	40	0	0	444	587	657
Chloride	mg/l	250	9	0	0	23.0	33.6	46.0

All results from samples taken from this zone between 1 January and 31 December 2017 complied with the Water Supply (Water Quality) Regulations 2016.