

## 2018 Reporting Year

## Cambridge Rural Water Quality Zone (Z3)

## Schedule 1 Parameters

	Units	PCV	Number of samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Minimum	Mean	Maximum
Colour	mg/l Pt/Co	20	52	0	0	<1.70	1.02	2
Turbidity	FTU	1	52	0	0	0.1	0.10	0.28
Odour	Dil Number	0	52	0	0	0	0	0
Taste	Dil Number	0	52	0	0	0	0	0
Sodium	mg/l	200	10	0	0	7.9	11.83	19.2
Nitrate (as NO3)	mg/l	50	10	0	0	30.7	37.37	42.8
Nitrite (as NO2)	mg/l	0.1	10	0	0	<0.01	<0.01	<0.01
Nitrate/Nitrite Ratio	mg/l	1	10	0	0	0.62	0.75	0.86
Aluminium	ug/l	-	10	0	0	5	5	5
Iron	ug/l	200	10	0	0	<4.00	6	20.5
Manganese	ug/l	50	10	0	0	0.9	0.9	0.9
Copper	mg/l	2	10	0	0	0.02	0.14	0.82
Fluoride	ug/l	1500	10	0	0	0.14	0.17	0.20
Arsenic	ug/l	10	10	0	0	0.5	0.5	0.5
Cadmium	ug/l	5	10	0	0	<0.10	<0.10	0.06
Chromium	ug/l	50	10	0	0	<0.70	<0.70	0.35
Nickel	ug/l	20	10	1	10	1	5.57	36.7
Lead	ug/l	10	10	0	0	0.5	1.48	5
Antimony	ug/l	5	10	0	0	<0.10	<0.10	0.1
Selenium	ug/l	10	10	0	0	0.7	1.11	2.1
PAH	ug/l	0.1	11	0	0	0	0.0004	0.004
Escherichia coli	No./100ml	0	174	0	0	0	0	0
Intestinal Enterococci	cfu/100ml	0	10	0	0	0	0	0
Boron	mg/l	1	10	0	0	0.05	0.05	0.05
Benzo(a)pyrene	ug/l	0.01	10	0	0	<0.002	<0.002	<0.002
Trihalomethanes (total)	ug/l	100	10	0	0	2.1	4.86	8.8

## Indicator Parameters

	Units	PCV	Number of samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Minimum	Mean	Maximum
pH		-	52	0	0	7.2	7.45	8.1
Sulphate (as SO4)	mg/l	250	10	0	0	23.2	34.62	46.1
Ammonium (as NH4)	mg/l	0.5	52	0	0	0.04	0.04	0.04
Total coliforms	No./100ml	0	174	0	0	0	0	0
Clostridium perfringens	No./100ml	0	1	0	0	0	0	0
Free chlorine	mg/l	-	173	0	0	0.03	0.08	0.18
Conductivity	uS/cm	2500	52	0	0	495	568.42	715
Chloride	mg/l	250	10	0	0	20	33.70	64

\* With the exception of the Nickel parameter all of the samples collected from this zone in 2018 complied with the Water Supply (Water Quality) (Amendment) Regulations 2018. The unsatisfactory sample was resampled and was found to comply with the regulations.