

Jan 1 - Dec 31 2017

Cambridge Water - Odsey Supply Zone								
Schedule 1 Parameters								
Parameter	Units	PCV	Number of Samples	Number of Samples contavening PCV	% of Samples contavening PCV	Min	Mean	Max
Colour	mg/l Pt/Co	20	5	0	0	<1.70	<1.70	0.85
Turbidity	FTU	4	5	0	0	<0.07	0.09	0.10
Odour	Dil. Number	0	5	1	20	0	1.6	8
Taste	Dil. Number	0	5	0	0	0	0	0
Sodium	mg/l	200	7	0	0	8.2	11.3	12.7
Nitrate (as NO3)	mg/l	50	7	0	0	30.1	37.3	43.6
Nitrite (as NO2)	mg/l	0.5	7	0	0	<0.01	<0.01	<0.01
Nitrate/Nitrite ratio		1	7	0	0	0.61	0.75	0.87
Aluminium	ug/l	200	7	0	0	4.7	5.2	6.7
Iron	ug/l	200	7	0	0	<4.0	4.2	6.9
Manganese	ug/l	50	7	0	0	0.90	0.93	1.0
Copper	mg/l	2	6	0	0	0.03	0.27	0.96
Fluoride	mg/l	1.5	7	0	0	<0.11	0.14	0.16
Arsenic	ug/l	10	7	0	0	0.21	0.46	0.50
Cadmium	ug/l	5	7	0	0	<0.10	<0.10	<0.10
Chromium	ug/l	50	7	0	0	<0.70	<0.70	0.35
Nickel	ug/l	20	7	1	14.29	<0.80	32.6	217
Lead	ug/l	10	7	0	0	0.50	1.59	5.10
Antimony	ug/l	5	7	0	0	<0.10	<0.10	0.33
Selenium	ug/l	10	7	0	0	0.56	0.86	1.16
PAH	ug/l	0.1	7	0	0	<0.0001	<0.0001	<0.0001
Escherichia Coli	No./100ml	0	15	0	0	0	0	0
Intestinal Enterococci	No./100ml	0	7	0	0	0	0	0
Boron	mg/l	1	7	0	0	0.03	0.05	0.05
Bromate	ug/l	10	7	0	0	<0.50	<0.50	0.25
Benzo (a) pyrene	ug/l	0.01	7	0	0	<0.0012	0.0018	0.0020
Trihalomethanes (total)	ug/l	100	7	0	0	4.60	5.94	8.00
Total pesticides	ug/l	0.5	5	0	0	<0.005		0.025
Indicator Parameters								
Parameter	Units	PCV	Number of Samples	Number of Samples contavening PCV	% of Samples contavening PCV	Min	Mean	Max
pH		6.5 min	5	0	0	7.4	8	8.40
		9.5 max						
Sulphate (as S04)	mg/l	250	7	0	0	20.3	32.8	38.9
Ammonium (as NH4)	mg/l	0.5	5	0	0	<0.03	0.03	0.04
Clostridium perfringens	No./100ml	0	7	0	0	0	0	0
Total coliforms	No./100ml	0	15	0	0	0	0	0
3 day Count 22C	No./1ml	-	8	0	0	0	0.63	3
Free chlorine	mg/l	-	15	0	0	0.03	0.11	0.21
Conductivity	uS/cm	2500	5	0	0	580	632	690
Chloride	mg/l	250	7	0	0	20.0	27.7	37.0

A result for Nickel taken from this zone between 1 January and 31 December 2017 failed to comply with the Water Supply (Water Quality) Regulations 2016. Further samples from the same property and neighbouring properties indicated satisfactory levels of Nickel. The problem related to a newly installed kitchen tap. A result for odour taken from this zone between 1 January and 31 December 2017 failed to comply with the Water Supply (Water Quality) Regulations 2016. No odour was detected in samples taken from the same property and neighbouring properties. The odour was associated with the alkathene supply pipe.