

Jan 1 - Dec 31 2017

| Cambridge Water - Cambridge South 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 | 41 | 0 | 0 | <1.70 | <1.70 | 0.85 |
| Turbidity | FTU | 4 | 41 | 0 | 0 | <0.07 | 0.10 | 0.29 |
| Odour | Dil. Number | 0 | 80 | 0 | 0 | 0 | 0 | 0 |
| Taste | Dil. Number | 0 | 80 | 0 | 0 | 0 | 0 | 0 |
| Sodium | mg/l | 200 | 10 | 0 | 0 | 7.70 | 22.5 | 119 |
| Nitrate (as NO3) | mg/l | 50 | 10 | 0 | 0 | 27.9 | 36.5 | 42.1 |
| Nitrite (as NO2) | mg/l | 0.5 | 10 | 0 | 0 | <0.01 | <0.01 | 0.01 |
| Nitrate/Nitrite ratio | | 1 | 10 | 0 | 0 | 0.56 | 0.73 | 0.85 |
| Aluminium | ug/l | 200 | 10 | 0 | 0 | 4.70 | 4.91 | 5.00 |
| Iron | ug/l | 200 | 10 | 0 | 0 | <4.0 | 6.30 | 31.4 |
| Manganese | ug/l | 50 | 10 | 0 | 0 | 0.90 | 0.93 | 1.00 |
| Copper | mg/l | 2 | 10 | 0 | 0 | 0.005 | 0.10 | 0.64 |
| Fluoride | mg/l | 1.5 | 10 | 0 | 0 | 0.14 | 0.16 | 0.18 |
| Arsenic | ug/l | 10 | 10 | 0 | 0 | 0.13 | 0.39 | 0.50 |
| Cadmium | ug/l | 5 | 10 | 0 | 0 | <0.10 | <0.10 | 0.05 |
| Chromium | ug/l | 50 | 10 | 0 | 0 | <0.70 | <0.70 | 0.35 |
| Nickel | ug/l | 20 | 10 | 0 | 0 | 1.20 | 1.78 | 2.50 |
| Lead | ug/l | 10 | 10 | 0 | 0 | <0.10 | 0.43 | 0.60 |
| Antimony | ug/l | 5 | 10 | 0 | 0 | <0.10 | <0.10 | 0.05 |
| Selenium | ug/l | 10 | 10 | 0 | 0 | 0.52 | 0.98 | 1.60 |
| PAH | ug/l | 0.1 | 10 | 0 | 0 | <0.0001 | <0.0001 | <0.0001 |
| Escherichia Coli | No./100ml | 0 | 245 | 0 | 0 | 0 | 0 | 0 |
| Intestinal Enterococci | No./100ml | 0 | 10 | 0 | 0 | 0 | 0 | 0 |
| Boron | mg/l | 1 | 10 | 0 | 0 | 0.02 | 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 | 41 | 0 | 0 | 7.2 | 7.74 | |
| | | 9.5 max | | | | | | 8.70 |
| Sulphate (as S04) | mg/l | 250 | 10 | 0 | 0 | 23.5 | 30.12 | 38.0 |
| Ammonium (as NH4) | mg/l | 0.5 | 41 | 0 | 0 | <0.03 | 0.03 | 0.04 |
| Clostridium perfringens | No./100ml | 0 | 245 | 0 | 0 | 0 | 0 | 0 |
| Total coliforms | No./100ml | 0 | 78 | 0 | 0 | 0 | 0.28 | 6.0 |
| 3 day Count 22C | No./1ml | - | 77 | 0 | 0 | 0 | 0.79 | 18.0 |
| Free chlorine | mg/l | - | 245 | 0 | 0 | 0.02 | 0.08 | 0.18 |
| Conductivity | uS/cm | 2500 | 41 | 0 | 0 | 512 | 585 | 723 |
| Chloride | mg/l | 250 | 10 | 0 | 0 | 21.0 | 28.1 | 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.