

2018 Reporting Year

| Cannock High Water Quality Zone (CH) | | | | | | | | |
|--------------------------------------|------------|------|-------------------|------------------------------------|-----------------------------------|---------|--------|---------|
| 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 | 78 | 0 | 0 | <1.00 | 1.15 | 2 |
| Turbidity | FTU | 1 | 78 | 0 | 0 | 0.1 | 0.10 | 0.17 |
| Odour | Dil Number | 0 | 80 | 0 | 0 | 0 | 0 | 0 |
| Taste | Dil Number | 0 | 79 | 0 | 0 | 0 | 0 | 0 |
| Sodium | mg/l | 200 | 8 | 0 | 0 | 8.1 | 15.35 | 24.8 |
| Nitrate (as NO3) | mg/l | 50 | 8 | 0 | 0 | 10.7 | 25.85 | 40.7 |
| Nitrite (as NO2) | mg/l | 0.1 | 8 | 0 | 0 | <0.01 | <0.01 | <0.01 |
| Nitrate/Nitrite Ratio | mg/l | 1 | 8 | 0 | 0 | 0.22 | 0.52 | 0.82 |
| Aluminium | ug/l | - | 78 | 0 | 0 | 5 | 6.24 | 13.1 |
| Iron | ug/l | 200 | 78 | 0 | 0 | <4.00 | 7.59 | 93.8 |
| Manganese | ug/l | 50 | 78 | 0 | 0 | 0.9 | 1.51 | 7 |
| Copper | mg/l | 2 | 8 | 0 | 0 | 0.004 | 0.02 | 0.06 |
| Fluoride | ug/l | 1500 | 8 | 0 | 0 | 0.127 | 0.88 | 1.03 |
| Arsenic | ug/l | 10 | 8 | 0 | 0 | 0.7 | 0.91 | 1.2 |
| Cadmium | ug/l | 5 | 8 | 0 | 0 | <0.10 | <0.10 | 0.07 |
| Chromium | ug/l | 50 | 8 | 0 | 0 | <0.70 | <0.70 | 0.35 |
| Nickel | ug/l | 20 | 8 | 0 | 0 | <0.80 | 0.4375 | 0.7 |
| Lead | ug/l | 10 | 8 | 0 | 0 | 0.5 | 0.5 | 0.5 |
| Antimony | ug/l | 5 | 8 | 0 | 0 | <0.10 | 0.26 | 0.4 |
| Selenium | ug/l | 10 | 8 | 0 | 0 | 0.4 | 0.6625 | 1.6 |
| PAH | ug/l | 0.1 | 9 | 0 | 0 | 0 | 0.0004 | 0.004 |
| Escherichia coli | No./100ml | 0 | 246 | 0 | 0 | 0 | 0 | 0 |
| Intestinal Enterococci | cfu/100ml | 0 | 8 | 0 | 0 | 0 | 0 | 0 |
| Boron | mg/l | 1 | 8 | 0 | 0 | 0.05 | 0.06 | 0.10 |
| Benzo(a)pyrene | ug/l | 0.01 | 9 | 0 | 0 | <0.002 | <0.002 | <0.002 |
| Trihalomethanes (total) | ug/l | 100 | 10 | 0 | 0 | 0.7 | 29.2 | 56.1 |
| Bromate | ug/l | 10 | 8 | 0 | 0 | <0.50 | <0.50 | 0.7 |

| Indicator Parameters | | | | | | | | |
|----------------------|-----------|------|-------------------|------------------------------------|-----------------------------------|---------|--------|---------|
| | Units | PCV | Number of samples | Number of Samples contravening PCV | % No. of samples contravening PCV | Minimum | Mean | Maximum |
| pH | | - | 78 | 0 | 0 | 7 | 7.56 | 8.1 |
| Sulphate (as SO4) | mg/l | 250 | 8 | 0 | 0 | 32.9 | 45.99 | 55.3 |
| Ammonium (as NH4) | mg/l | 0.5 | 78 | 0 | 0 | 0.04 | 0.04 | 0.04 |
| Total coliforms | No./100ml | 0 | 246 | 1 | 0.41 | 0 | 0.0041 | 1 |
| Free chlorine | mg/l | - | 247 | 0 | 0 | 0.03 | 0.24 | 0.6 |
| Total chlorine | mg/l | - | 247 | 0 | 0 | 0.08 | 0.33 | 0.69 |
| Conductivity | uS/cm | 2500 | 78 | 0 | 0 | 321 | 435.36 | 545 |
| Chloride | mg/l | 250 | 8 | 0 | 0 | 25 | 43.63 | 70 |

* With the exception of the Total coliform 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. Supplies to this zone are fluoridated up to a level of 1mg/l