



| Cannock High 1 Water Quality Zone (CH1) |            |      |                   |                                    |                                   |        |        |        |
|---|------------|------|-------------------|------------------------------------|-----------------------------------|--------|--------|--------|
| Schedule 1 Parameters                   |            |      |                   |                                    |                                   |        |        |        |
|   | Units      | PCV  | Number of Samples | Number of Samples contravening PCV | % No. of samples contravening PCV | Min    | Mean   | Max    |
| Colour                                  | mg/l Pt/Co | 20   | 53                | 0                                  | 0                                 | 2.00   | 2.83   | 4.00   |
| Turbidity                               | FTU        | 4    | 53                | 0                                  | 0                                 | 0.12   | 0.12   | 0.12   |
| Odour (quantitative)                    | Dil Number | 0    | 53                | 0                                  | 0                                 | 0.00   | 0.00   | 0.00   |
| Taste (quantitative)                    | Dil Number | 0    | 53                | 0                                  | 0                                 | 0.00   | 0.00   | 0.00   |
| Sodium                                  | mg/l       | 200  | 8                 | 0                                  | 0                                 | 11.30  | 13.26  | 15.40  |
| Nitrate (as NO3)                        | mg/l       | 50   | 8                 | 0                                  | 0                                 | 10.00  | 14.91  | 17.40  |
| 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                                 | 0.20   | 0.30   | 0.35   |
| Aluminium                               | ug/l       | 200  | 53                | 0                                  | 0                                 | 6.10   | 6.98   | 14.40  |
| Iron                                    | ug/l       | 200  | 53                | 0                                  | 0                                 | 7.30   | 8.27   | 23.90  |
| Manganese                               | ug/l       | 50   | 53                | 0                                  | 0                                 | 1.70   | 2.11   | 12.30  |
| Copper (New Reg Limit)                  | mg/l       | 2    | 8                 | 0                                  | 0                                 | 0.01   | 0.02   | 0.05   |
| Fluoride                                | mg/l       | 1.5  | 8                 | 0                                  | 0                                 | <0.11  | 0.30   | 1.04   |
| Arsenic (New Regs Limit)                | ug/l       | 10   | 8                 | 0                                  | 0                                 | 1.00   | 1.00   | 1.00   |
| Cadmium                                 | ug/l       | 5    | 8                 | 0                                  | 0                                 | 0.12   | 0.12   | 0.12   |
| Chromium                                | ug/l       | 50   | 8                 | 0                                  | 0                                 | <0.70  | <0.70  | 1.20   |
| Nickel (New Reg Limit)                  | ug/l       | 20   | 8                 | 0                                  | 0                                 | 0.90   | 1.01   | 1.50   |
| Lead (New Reg Limit)                    | ug/l       | 10   | 8                 | 0                                  | 0                                 | 0.90   | 1.00   | 1.70   |
| Antimony (New Reg Limit)                | ug/l       | 5    | 8                 | 0                                  | 0                                 | 0.40   | 0.45   | 0.50   |
| Selenium                                | ug/l       | 10   | 8                 | 0                                  | 0                                 | 0.80   | 0.80   | 0.80   |
| PAH                                     | ug/l       | 0.1  | 8                 | 0                                  | 0                                 | 0.00   | 0.00   | 0.00   |
| Escherichia coli                        | No./100ml  | 0    | 135               | 0                                  | 0                                 | 0.00   | 0.00   | 0.00   |
| Intestinal Enterococci                  | cfu/100ml  | 0    | 8                 | 0                                  | 0                                 | 0.00   | 0.00   | 0.00   |
| Boron (New Reg Limit)                   | mg/l       | 1    | 8                 | 0                                  | 0                                 | 0.06   | 0.06   | 0.07   |
| Benzo(a)pyrene                          | ug/l       | 0.01 | 8                 | 0                                  | 0                                 | 0.00   | 0.00   | 0.00   |
| Trihalomethanes (total)                 | ug/l       | 100  | 8                 | 0                                  | 0                                 | 49.40  | 61.43  | 71.20  |
| Bromate                                 | ug/l       | 10   | 8                 | 0                                  | 0                                 | 0.80   | 0.81   | 0.90   |
|   |            |      |                   |                                    |                                   |        |        |        |
| Indicator Parameters                    |            |      |                   |                                    |                                   |        |        |        |
|   | Units      | PCV  | Number of Samples | Number of Samples contravening PCV | % No. of samples contravening PCV | Min    | Mean   | Max    |
| pH (New Reg Limit) Env                  |            | -    | 53                | 0                                  | 0                                 | 7.00   | 7.28   | 7.60   |
| Sulphate (as SO4)                       | mg/l       | 250  | 8                 | 0                                  | 0                                 | 36.90  | 42.76  | 52.40  |
| Ammonium (as NH4)                       | mg/l       | 0.5  | 53                | 0                                  | 0                                 | <0.02  | 0.02   | 0.08   |
| Total coliforms                         | No./100ml  | 0    | 135               | 0                                  | 0                                 | 0.00   | 0.00   | 0.00   |
| 3 day count,22 deg C                    | cfu/ml     | 50   | 53                | 0                                  | 0                                 | 0.00   | 4.89   | 124.00 |
| Free chlorine                           | mg/l       | -    | 135               | 0                                  | 0                                 | 0.03   | 0.15   | 0.36   |
| Total chlorine                          | mg/l       | -    | 135               | 0                                  | 0                                 | 0.10   | 0.31   | 0.53   |
| Conductivity                            | uS/cm      | 2500 | 53                | 0                                  | 0                                 | 359.00 | 408.25 | 449.00 |
| Chloride                                | mg/l       | 250  | 8                 | 0                                  | 0                                 | 41.00  | 42.88  | 45.00  |
|   |            |      |                   |                                    |                                   |        |        |        |

\*All of the samples collected from this zone in 2024 complied with the Water Supply (Water Quality) (Amendment) Regulations 2016. Supplies to this zone are fluoridated up to a level of 1.5mg/l