

| West Bromwich South Quality Zone (WBS)                                                                                                                                                                                                                                                                                                           |            |      |                   |                                    |                                   |         |        |         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------|-------------------|------------------------------------|-----------------------------------|---------|--------|---------|
| 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   | 36                | 0                                  | 0                                 | 2.00    | 2.47   | 3.00    |
| Turbidity                                                                                                                                                                                                                                                                                                                                        | FTU        | 4    | 36                | 0                                  | 0                                 | 0.12    | 0.13   | 0.17    |
| Odour (quantitative)                                                                                                                                                                                                                                                                                                                             | Dil Number | 0    | 36                | 0                                  | 0                                 | 0.00    | 0.00   | 0.00    |
| Taste (quantitative)                                                                                                                                                                                                                                                                                                                             | Dil Number | 0    | 36                | 0                                  | 0                                 | 0.00    | 0.00   | 0.00    |
| Sodium                                                                                                                                                                                                                                                                                                                                           | mg/l       | 200  | 8                 | 0                                  | 0                                 | 19.80   | 31.60  | 46.00   |
| Nitrate (as NO3)                                                                                                                                                                                                                                                                                                                                 | mg/l       | 50   | 8                 | 0                                  | 0                                 | 13.70   | 19.06  | 25.00   |
| 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                                 | 0.27    | 0.38   | 0.50    |
| Aluminium                                                                                                                                                                                                                                                                                                                                        | ug/l       | 200  | 36                | 0                                  | 0                                 | 6.10    | 11.74  | 46.70   |
| Iron                                                                                                                                                                                                                                                                                                                                             | ug/l       | 200  | 36                | 0                                  | 0                                 | 7.30    | 7.55   | 11.30   |
| Manganese                                                                                                                                                                                                                                                                                                                                        | ug/l       | 50   | 36                | 0                                  | 0                                 | 1.70    | 2.23   | 12.30   |
| Copper (New Reg Limit)                                                                                                                                                                                                                                                                                                                           | mg/l       | 2    | 8                 | 0                                  | 0                                 | 0.01    | 0.02   | 0.03    |
| Fluoride                                                                                                                                                                                                                                                                                                                                         | mg/l       | 1.5  | 8                 | 0                                  | 0                                 | <0.11   | 0.55   | 0.96    |
| Arsenic (New Regs Limit)                                                                                                                                                                                                                                                                                                                         | ug/l       | 10   | 8                 | 0                                  | 0                                 | 1.00    | 1.00   | 1.00    |
| Cadmium                                                                                                                                                                                                                                                                                                                                          | ug/l       | 5    | 7                 | 0                                  | 0                                 | 0.12    | 0.12   | 0.12    |
| Chromium                                                                                                                                                                                                                                                                                                                                         | ug/l       | 50   | 7                 | 0                                  | 0                                 | 1.00    | 1.00   | 1.00    |
| Nickel (New Reg Limit)                                                                                                                                                                                                                                                                                                                           | ug/l       | 20   | 8                 | 0                                  | 0                                 | 0.90    | 1.31   | 2.90    |
| Lead (New Reg Limit)                                                                                                                                                                                                                                                                                                                             | ug/l       | 10   | 8                 | 0                                  | 0                                 | 0.90    | 0.99   | 1.60    |
| Antimony (New Reg Limit)                                                                                                                                                                                                                                                                                                                         | ug/l       | 5    | 8                 | 0                                  | 0                                 | 0.20    | 0.20   | 0.20    |
| Selenium                                                                                                                                                                                                                                                                                                                                         | ug/l       | 10   | 8                 | 0                                  | 0                                 | 0.80    | 0.80   | 0.80    |
| PAH                                                                                                                                                                                                                                                                                                                                              | ug/l       | 0.1  | 7                 | 0                                  | 0                                 | 0.00    | 0.00   | 0.00    |
| Escherichia coli                                                                                                                                                                                                                                                                                                                                 | No./100ml  | 0    | 119               | 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                                 | 0.04    | 0.04   | 0.07    |
| Benzo(a)pyrene                                                                                                                                                                                                                                                                                                                                   | ug/l       | 0.01 | 7                 | 0                                  | 0                                 | 0.00    | 0.00   | 0.00    |
| Trihalomethanes (total)                                                                                                                                                                                                                                                                                                                          | ug/l       | 100  | 8                 | 0                                  | 0                                 | 29.40   | 45.53  | 62.50   |
| Bromate                                                                                                                                                                                                                                                                                                                                          | ug/l       | 10   | 8                 | 0                                  | 0                                 | 0.80    | 1.10   | 1.80    |
|                                                                                                                                                                                                                                                                                                                                                  |            |      |                   |                                    |                                   |         |        |         |
| Indicator Parameters                                                                                                                                                                                                                                                                                                                             |            |      |                   |                                    |                                   |         |        |         |
|                                                                                                                                                                                                                                                                                                                                                  | Units      | PCV  | Number of samples | Number of Samples contravening PCV | % No. of samples contravening PCV | Minimum | Mean   | Maximum |
| pH (New Reg Limit) Env                                                                                                                                                                                                                                                                                                                           |            | -    | 36                | 0                                  | 0                                 | 7.00    | 7.35   | 7.90    |
| Sulphate (as SO4)                                                                                                                                                                                                                                                                                                                                | mg/l       | 250  | 8                 | 0                                  | 0                                 | 25.30   | 43.06  | 64.70   |
| Ammonium (as NH4)                                                                                                                                                                                                                                                                                                                                | mg/l       | 0.5  | 36                | 0                                  | 0                                 | <0.02   | 0.02   | 0.03    |
| Total coliforms                                                                                                                                                                                                                                                                                                                                  | No./100ml  | 0    | 119               | 1                                  | 0.84                              | 0.00    | 0.04   | 5.00    |
| 3 day count,22 deg C                                                                                                                                                                                                                                                                                                                             | cfu/ml     | 50   | 36                | 0                                  | 0                                 | 0.00    | 12.72  | 285.00  |
| Free chlorine                                                                                                                                                                                                                                                                                                                                    | mg/l       | -    | 119               | 0                                  | 0                                 | 0.03    | 0.16   | 0.43    |
| Total chlorine                                                                                                                                                                                                                                                                                                                                   | mg/l       | -    | 119               | 0                                  | 0                                 | 0.08    | 0.31   | 0.63    |
| Conductivity                                                                                                                                                                                                                                                                                                                                     | uS/cm      | 2500 | 36                | 0                                  | 0                                 | 274.00  | 418.36 | 579.00  |
| Chloride                                                                                                                                                                                                                                                                                                                                         | mg/l       | 250  | 8                 | 0                                  | 0                                 | 35.00   | 51.75  | 66.00   |
|                                                                                                                                                                                                                                                                                                                                                  |            |      |                   |                                    |                                   |         |        |         |
| * With the exception of the total coliforms parameter, all of the samples collected from this zone in 2025 complied with the Water Supply (Water Quality) (Amendment) Regulations 2016. The unsatisfactory samples were resampled and were found to comply with the regulations. Supplies to this zone are fluoridated up to a level of 1.5 mg/l |            |      |                   |                                    |                                   |         |        |         |