

Viewing Site Summary Data for Bristol Water Plc

Report Date Range: For the whole year 2020

Table BRL 1: Quality of water leaving service treatment works - European Standards

| Parameter Name | Parameter Code | Prescribed Concentration or Value | Total Number of Tests | Tests Failed | 1 percentile (representing a minimum) | 99 percentile (representing a maximum) | No. of works with failures |
|-----------------|----------------|-----------------------------------|-----------------------|--------------|---------------------------------------|--|----------------------------|
| Nitrite (Total) | A013B | 0.1 mg NO ₂ /l | 128 | 0 | < 0.002 | < 0.01962 | 0 |
| Totals: | | | 128 | 0 | | | |

Table BRL 2: Quality of water leaving service treatment works - National Standards

| Parameter Name | Parameter Code | Prescribed Concentration or Value | Total Number of Tests | Tests Failed | 1 percentile (representing a minimum) | 99 percentile (representing a maximum) | No. of works with failures |
|-------------------------------------|----------------|-----------------------------------|-----------------------|--------------|---------------------------------------|--|----------------------------|
| E coli (faecal coliforms Confirmed) | C002 | 0 number/100 ml | 3,493 | 0 | 0 | 0 | 0 |
| Total Coliforms (Confirmed) | C001 | 0 number/100 ml | 3,493 | 2 | 0 | 0 | 2 |
| Totals: | | | 6,986 | 2 | | | |

Table BRL 3: Quality of water leaving service treatment works - Additional Monitoring Requirements

| Parameter Name | Parameter Code | Prescribed Concentration or Value | Total Number of Tests | Tests exceeding specification | 1 percentile (representing a minimum) | 99 percentile (representing a maximum) |
|--|----------------|-----------------------------------|-----------------------|-------------------------------|---------------------------------------|--|
| Colony Counts After 3 Days At 22øc (Colony Counts) | C007 | No abnormal change | 3,493 | -n/a | 0 | 3 |
| Residual Disinfectant - Free | C009 | No abnormal change | 3,493 | -n/a | 0.37 | 1.86 |
| Residual Disinfectant - Total | C010 | No abnormal change | 3,493 | -n/a | 0.44 | 1.91 |
| Turbidity - Indicator | A002A | 1 NTU | 3,493 | 0 | < 0.15 | 0.38 |
| Totals: | | | 13,972 | 0 | | |

Table BRL 4: Quality of water leaving service reservoirs - National Standards

| Parameter Name | Parameter Code | Prescribed Concentration or Value | Total Number of Tests | Tests Failed | 1 percentile (representing a minimum) | 99 percentile (representing a maximum) | No. of reservoirs failing standard |
|-------------------------------------|----------------|-----------------------------------|-----------------------|--------------|---------------------------------------|--|------------------------------------|
| E coli (faecal coliforms Confirmed) | C002 | 0 number/100 ml | 8,066 | 0 | 0 | 0 | 0 |
| Total Coliforms (Confirmed) | C001 | 0 number/100 ml | 8,066 | 9 | 0 | 0 | 0 |
| Totals: | | | 16,132 | 9 | | | |

Table BRL 5: Quality of water leaving service reservoirs - Additional Monitoring Requirements

| Parameter Name | Parameter Code | Prescribed Concentration or Value | Total Number of Tests | Tests exceeding specification | 1 percentile (representing a minimum) | 99 percentile (representing a maximum) |
|--|----------------|-----------------------------------|-----------------------|-------------------------------|---------------------------------------|--|
| Colony Counts After 3 Days At 22øc (Colony Counts) | C007 | No abnormal change | 8,066 | -n/a | 0 | 188 |
| Residual Disinfectant - Free | C009 | No abnormal change | 8,067 | -n/a | < 0.05 | 0.75 |
| Residual Disinfectant - Total | C010 | No abnormal change | 8,067 | -n/a | 0.13 | 0.85 |
| Totals: | | | 24,200 | 0 | | |

Table BRL 6: Quality of water leaving bulk supply points - European Standards

| Parameter Name | Parameter Code | Prescribed Concentration or Value | Total Number of Tests | Tests Failed | 1 percentile (representing a minimum) | 99 percentile (representing a maximum) | No. of supply points with failures |
|--|----------------|-----------------------------------|-----------------------|--------------|---------------------------------------|--|------------------------------------|
| 1 2-Dichloroethane (Total) | F001 | 3 µg/l | 129 | 0 | < 0.16 | < 0.16 | 0 |
| Benzene (Total) | F002 | 1 µg/l | 129 | 0 | < 0.09 | < 0.09 | 0 |
| Boron | D005A | 1 mg B/l | 131 | 0 | 0.016116 | 0.15268 | 0 |
| Cyanide (Total) | B003 | 50 µg CN/l | 129 | 0 | < 5.5 | < 5.5 | 0 |
| Fluoride (Total) | A027 | 1.5 mg F/l | 131 | 0 | < 0.0432 | 0.474 | 0 |
| Mercury (Total) | B005 | 1 µg Hg/l | 130 | 0 | < 0.06 | < 0.06 | 0 |
| Pesticides (Total by Calculation) | B010 | 0.5 µg/l | 121 | 0 | 0 | 0.0632 | 0 |
| Pesticides 2 4-D | P020 | 0.1 µg/l | 32 | 0 | < 0.012 | < 0.012 | 0 |
| Pesticides Asulam | P133 | 0.1 µg/l | 32 | 0 | < 0.008 | < 0.008 | 0 |
| Pesticides Atrazine | P004 | 0.1 µg/l | 8 | 0 | < 0.004 | < 0.004 | 0 |
| Pesticides Boscalid | P231 | 0.1 µg/l | 16 | 0 | < 0.011 | < 0.011 | 0 |
| Pesticides Bromoxynil | P008 | 0.1 µg/l | 40 | 0 | < 0.009 | < 0.009 | 0 |
| Pesticides Carbetamide | P010 | 0.1 µg/l | 32 | 0 | < 0.008 | < 0.008 | 0 |
| Pesticides Chlormequat | P163 | 0.1 µg/l | 40 | 0 | < 0.003 | 0.009 | 0 |
| Pesticides Chlorothalonil | P015 | 0.1 µg/l | 8 | 0 | < 0.014 | < 0.014 | 0 |
| Pesticides Clopyralid | P018 | 0.1 µg/l | 72 | 0 | < 0.015 | 0.02 | 0 |
| Pesticides Cyproconazole | P207 | 0.1 µg/l | 16 | 0 | < 0.007 | < 0.007 | 0 |
| Pesticides Deltamethrin | P095 | 0.1 µg/l | 15 | 0 | < 0.005 | < 0.005 | 0 |
| Pesticides Desthioprothioconazole | P237 | 0.1 µg/l | 47 | 0 | < 0.005 | < 0.005 | 0 |
| Pesticides Diflufenican | P157 | 0.1 µg/l | 7 | 0 | < 0.007 | < 0.007 | 0 |
| Pesticides Epoxyconazole | P217 | 0.1 µg/l | 40 | 0 | < 0.005 | < 0.005 | 0 |
| Pesticides Flufenacet | P230 | 0.1 µg/l | 40 | 0 | < 0.008 | < 0.008 | 0 |
| Pesticides Fluroxypyr | P040 | 0.1 µg/l | 40 | 0 | < 0.009 | < 0.009 | 0 |
| Pesticides Fluxapyroxad | P274 | 0.1 µg/l | 48 | 0 | < 0.009 | < 0.009 | 0 |
| Pesticides Glyphosate | P042 | 0.1 µg/l | 50 | 0 | < 0.005 | < 0.025 | 0 |
| Pesticides Isoproturon | P048 | 0.1 µg/l | 32 | 0 | < 0.005 | < 0.005 | 0 |
| Pesticides MCPA 4-chloro-o-tolyloxyacetic acid | P054 | 0.1 µg/l | 40 | 0 | < 0.012 | < 0.012 | 0 |
| Pesticides MCPP (Mecoprop) | P053 | 0.1 µg/l | 40 | 0 | < 0.009 | < 0.009 | 0 |
| Pesticides Mepiquat | P165 | 0.1 µg/l | 13 | 0 | < 0.004 | 0.072 | 0 |
| Pesticides Metaldehyde | P226 | 0.1 µg/l | 108 | 0 | < 0.005 | < 0.01 | 0 |
| Pesticides Metazachlor | P203 | 0.1 µg/l | 32 | 0 | < 0.006 | < 0.006 | 0 |
| Pesticides Pendimethalin | P118 | 0.1 µg/l | 8 | 0 | < 0.02 | < 0.02 | 0 |
| Pesticides Propiconazole | P068 | 0.1 µg/l | 8 | 0 | < 0.007 | < 0.007 | 0 |
| Pesticides Propyzamide | P071 | 0.1 µg/l | 32 | 0 | < 0.009 | 0.023 | 0 |
| Pesticides Prosulfocarb | P243 | 0.1 µg/l | 40 | 0 | < 0.009 | < 0.009 | 0 |

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|----------------------------|-------|----------|--------------|----------|----------|----------|---|
| Pesticides Prothioconazole | P242 | 0.1 µg/l | 1 | 0 | < 0.0019 | < 0.0019 | 0 |
| Pesticides Quinmerac | P244 | 0.1 µg/l | 32 | 0 | < 0.006 | < 0.006 | 0 |
| Pesticides Simazine | P073 | 0.1 µg/l | 40 | 0 | < 0.004 | < 0.004 | 0 |
| Pesticides Tebuconazole | P177 | 0.1 µg/l | 40 | 0 | < 0.005 | < 0.005 | 0 |
| Pesticides Triclopyr | P131 | 0.1 µg/l | 40 | 0 | < 0.028 | < 0.028 | 0 |
| Radon | F031 | 100 Bq/l | 6 | 0 | < 1.1 | 7.4 | 0 |
| (Total by Calculation) | D009B | 10 µg/l | 129 | 0 | 0.7 | 0.71 | 0 |
| Totals: | | | 2,124 | 0 | | | |

Table BRL 7: Quality of water leaving bulk supply points - National Standards

| Parameter Name | Parameter Code | Prescribed Concentration or Value | Total Number of Tests | Tests Failed | 1 percentile (representing a minimum) | 99 percentile (representing a maximum) | No. of supply points with failures |
|----------------------------|----------------|-----------------------------------|-----------------------|--------------|---------------------------------------|--|------------------------------------|
| Tetrachloromethane (Total) | D008 | 3 µg/l | 129 | 0 | < 0.13 | < 0.13 | 0 |
| Totals: | | | 129 | 0 | | | |

Table BRL 8: Quality of water leaving bulk supply points - Additional Monitoring Requirements

| Parameter Name | Parameter Code | Prescribed Concentration or Value | Total Number of Tests | Tests exceeding specification | 1 percentile (representing a minimum) | 99 percentile (representing a maximum) |
|--|----------------|-----------------------------------|-----------------------|-------------------------------|---------------------------------------|--|
| Chloride | D002A | 250 mg Cl/l | 131 | 0 | 14.132 | 82.216 |
| (Confirmed) | C004A | 0 number/100 ml | 1,208 | 0 | 0 | 0 |
| Conductivity (Electrical Conductivity) | D001 | 2500 µS/cm at 20°C | 1,211 | 0 | 266.24 | 733.64 |
| Gross Alpha | F004 | 0.1 Bq/l | 22 | 0 | 0.034 | 0.083 |
| Gross Beta | F005 | 1 Bq/l | 22 | 0 | 0.069 | 0.109 |
| Sulphate | A007 | 250 mg SO4/l | 131 | 0 | 7.0248 | 119.84 |
| Total Organic Carbon | A017 | No abnormal change | 130 | -n/a | 0.5 | 2.769 |
| Totals: | | | 2,855 | 0 | | |

Table BRL 9: Quality of water at consumer's tap (zones) - European Standards

| Parameter Name | Parameter Code | Prescribed Concentration or Value | Total Number of Tests | Tests Failed | 1 percentile (representing a minimum) | 99 percentile (representing a maximum) | No. of zones failing standard |
|--|----------------|-----------------------------------|-----------------------|--------------|---------------------------------------|--|-------------------------------|
| 1,2-Dichloroethane (Total) | F001 | 3 µg/l | 4 | 0 | < 0.16 | < 0.16 | 0 |
| Antimony | B008A | 5 µg Sb/l | 217 | 0 | 0.0118 | 0.6046 | 0 |
| Arsenic (Total) | B001A | 10 µg As/l | 217 | 0 | 0.0518 | 3.7346 | 0 |
| Benzene (Total) | F002 | 1 µg/l | 4 | 0 | < 0.09 | < 0.09 | 0 |
| Benzo[a]Pyrene (Total) | D007 | 0.01 µg/l | 208 | 0 | < 0.00057 | < 0.0057 | 0 |
| Boron | D005A | 1 mg B/l | 4 | 0 | < 0.0319 | < 0.0319 | 0 |
| Bromate | F003 | 10 µg BrO ₃ /l | 217 | 0 | < 0.15 | 5.22 | 0 |
| Cadmium (Total) | B002 | 5 µg Cd/l | 217 | 0 | < 0.01 | 0.7264 | 0 |
| Chromium (Total) | B004 | 50 µg Cr/l | 217 | 0 | < 0.04 | 0.9424 | 0 |
| Copper (Total) | A024A | 2 mg Cu/l | 151 | 0 | < 0.00036 | 0.39176 | 0 |
| Cyanide (Total) | B003 | 50 µg CN/l | 3 | 0 | < 5.5 | < 5.5 | 0 |
| E coli (faecal coliforms Confirmed) | C002 | 0 number/100 ml | 3,131 | 0 | 0 | 0 | 0 |
| Enterococci (Confirmed) | C003 | 0 number/100 ml | 217 | 0 | 0 | 0 | 0 |
| Fluoride (Total) | A027 | 1.5 mg F/l | 4 | 0 | 0.07 | 0.09 | 0 |
| Lead (10 - will apply 25.12.2013) | B007B | 10 µg Pb/l | 151 | 6 | < 0.02 | 99.36 | 5 |
| Mercury (Total) | B005 | 1 µg Hg/l | 4 | 0 | < 0.06 | < 0.06 | 0 |
| Nickel (Total) | B006A | 20 µg Ni/l | 151 | 0 | < 0.17 | 6.0364 | 0 |
| Nitrate (Total) | A012 | 50 mg NO ₃ /l | 217 | 0 | 0.8354 | 30.6244 | 0 |
| Nitrite - Consumer's Taps | A013A | 0.5 mg NO ₂ /l | 217 | 0 | < 0.002 | 0.02292 | 0 |
| Nitrite/Nitrate formula | A013C | 1 mg/l | 217 | 0 | 0.01818 | 0.61338 | 0 |
| Pesticides (Total by Calculation) | B010 | 0.5 µg/l | 4 | 0 | 0 | 0 | 0 |
| Pesticides 2,4-D | P020 | 0.1 µg/l | 4 | 0 | < 0.012 | < 0.012 | 0 |
| Pesticides 2,4-DB | P082 | 0.1 µg/l | 4 | 0 | < 0.018 | < 0.018 | 0 |
| Pesticides Alpha-HCH | P003 | 0.1 µg/l | 4 | 0 | < 0.005 | < 0.005 | 0 |
| Pesticides Atrazine | P004 | 0.1 µg/l | 4 | 0 | < 0.004 | < 0.004 | 0 |
| Pesticides Boscalid | P231 | 0.1 µg/l | 4 | 0 | < 0.011 | < 0.011 | 0 |
| Pesticides Carbetamide | P010 | 0.1 µg/l | 4 | 0 | < 0.008 | < 0.008 | 0 |
| Pesticides Chlormequat | P163 | 0.1 µg/l | 4 | 0 | < 0.003 | < 0.003 | 0 |
| Pesticides Chlorpyrifos (Chlorpyrifos Ethyl) | P017 | 0.1 µg/l | 4 | 0 | < 0.016 | < 0.016 | 0 |
| Pesticides Chlortoluron | P014 | 0.1 µg/l | 4 | 0 | < 0.007 | < 0.007 | 0 |
| Pesticides Clopyralid | P018 | 0.1 µg/l | 4 | 0 | < 0.015 | < 0.015 | 0 |
| Pesticides Dicamba | P025 | 0.1 µg/l | 4 | 0 | < 0.012 | < 0.012 | 0 |
| Pesticides Diuron | P032 | 0.1 µg/l | 4 | 0 | < 0.009 | < 0.009 | 0 |
| Pesticides Flufenacet | P230 | 0.1 µg/l | 4 | 0 | < 0.008 | < 0.008 | 0 |
| Pesticides Fluroxypyr | P040 | 0.1 µg/l | 4 | 0 | < 0.009 | < 0.009 | 0 |

| | | | | | | | |
|---|-------|------------|--------------|----------|---------|---------|---|
| Pesticides Flutriafol | P039 | 0.1 µg/l | 4 | 0 | < 0.005 | < 0.005 | 0 |
| Pesticides Gamma-HCH (Lindane) | P041 | 0.1 µg/l | 4 | 0 | < 0.006 | < 0.006 | 0 |
| Pesticides Glyphosate | P042 | 0.1 µg/l | 4 | 0 | < 0.005 | < 0.005 | 0 |
| Pesticides Isoproturon | P048 | 0.1 µg/l | 4 | 0 | < 0.005 | < 0.005 | 0 |
| Pesticides Linuron | P051 | 0.1 µg/l | 4 | 0 | < 0.012 | < 0.012 | 0 |
| Pesticides MCPA 4-chloro-o-tolyloxyacetic acid | P054 | 0.1 µg/l | 4 | 0 | < 0.012 | < 0.012 | 0 |
| Pesticides MCPB | P055 | 0.1 µg/l | 4 | 0 | < 0.018 | < 0.018 | 0 |
| Pesticides MCPP (Mecoprop) | P053 | 0.1 µg/l | 4 | 0 | < 0.009 | < 0.009 | 0 |
| Pesticides Metazachlor | P203 | 0.1 µg/l | 4 | 0 | < 0.006 | < 0.006 | 0 |
| Pesticides Methiocarb | P056 | 0.1 µg/l | 4 | 0 | < 0.008 | < 0.008 | 0 |
| Pesticides Prometryne | P070 | 0.1 µg/l | 4 | 0 | < 0.004 | < 0.004 | 0 |
| Pesticides Propazine | P066 | 0.1 µg/l | 4 | 0 | < 0.004 | < 0.004 | 0 |
| Pesticides Propyzamide | P071 | 0.1 µg/l | 4 | 0 | < 0.009 | < 0.009 | 0 |
| Pesticides Quinmerac | P244 | 0.1 µg/l | 4 | 0 | < 0.006 | < 0.006 | 0 |
| Pesticides Simazine | P073 | 0.1 µg/l | 4 | 0 | < 0.004 | < 0.004 | 0 |
| Pesticides Tri-allate | P079 | 0.1 µg/l | 1 | 0 | < 0.005 | < 0.005 | 0 |
| Pesticides Triclopyr | P131 | 0.1 µg/l | 4 | 0 | < 0.028 | < 0.028 | 0 |
| Polycyclic Aromatic Hydrocarbons (Total by Calculation) | B011F | 0.1 µg/l | 210 | 0 | 0 | 0.00867 | 0 |
| Selenium (Total) | B009 | 10 µg Se/l | 217 | 0 | < 0.08 | 1.2056 | 0 |
| (Total by Calculation) | D009B | 10 µg/l | 4 | 0 | 0.71 | 0.71 | 0 |
| Trihalomethanes (Total by Calculation) | D011 | 100 µg/l | 217 | 0 | 2.8004 | 52.9604 | 0 |
| Totals: | | | 6,541 | 6 | | | |

Table BRL 10: Quality of water at consumer's tap (zones) - National Standards

| Parameter Name | Parameter Code | Prescribed Concentration or Value | Total Number of Tests | Tests Failed | 1 percentile (representing a minimum) | 99 percentile (representing a maximum) | No. of zones failing standard |
|----------------------------|----------------|-----------------------------------|-----------------------|--------------|---------------------------------------|--|-------------------------------|
| Aluminium (Total) | A021 | 200 µg Al/l | 1,064 | 0 | 6.9 | 54.435 | 0 |
| Colour | A001 | 20 mg/l Pt/Co | 1,066 | 0 | 2.9 | 3 | 0 |
| Iron (Total) | A022 | 200 µg Fe/l | 1,069 | 2 | 3.72 | 87.69 | 2 |
| Manganese (Total) | A023 | 50 µg Mn/l | 1,065 | 0 | 0.3 | 5.5382 | 0 |
| Odour | A003 | 0 Dilution number at 25°C | 1,079 | 3 | 0 | 0 | 2 |
| Sodium (Total) | A009 | 200 mg Na/l | 217 | 0 | 7.9344 | 94.402 | 0 |
| Taste (Taste Quant) | A004 | 0 Dilution number at 25°C | 1,049 | 1 | 0 | 0 | 1 |
| Tetrachloromethane (Total) | D008 | 3 µg/l | 4 | 0 | < 0.13 | < 0.13 | 0 |
| Turbidity | A002 | 4 NTU | 1,065 | 0 | < 0.15 | 0.4634 | 0 |
| Totals: | | | 7,678 | 6 | | | |

Table BRL 11: Quality of water at consumer's tap (zones) - Additional Monitoring Requirements

| Parameter Name | Parameter Code | Prescribed Concentration or Value | Total Number of Tests | Tests exceeding specification | 1 percentile (representing a minimum) | 99 percentile (representing a maximum) |
|--|----------------|-----------------------------------|-----------------------|-------------------------------|---------------------------------------|--|
| Ammonium (Total) | A014 | 0.5 mg NH ₄ /l | 1,064 | 0 | < 0.004 | 0.02305 |
| Chloride | D002A | 250 mg Cl/l | 4 | 0 | 16.5 | 22.8 |
| (Confirmed) | C004A | 0 number/100 ml | 4 | 0 | 0 | 0 |
| Coliform Bacteria (Indicator) | C001A | 0 number/100 ml | 3,131 | 3 | 0 | 0 |
| Colony Counts After 3 Days At 22øc (Colony Counts) | C007 | No abnormal change | 3,131 | -n/a | 0 | 143 |
| Conductivity (Electrical Conductivity) | D001 | 2500 µS/cm at 20°C | 18 | 0 | 428 | 610 |
| Gross Alpha | F004 | 0.1 Bq/l | 4 | 0 | < 0.019 | < 0.02 |
| Gross Beta | F005 | 1 Bq/l | 4 | 0 | < 0.019 | 0.047 |
| Hydrogen ion (pH) - Indicator (Hydrogen ion) (pH) | A006 | 6.5 - 9.5 pH Value | 1,067 | 0 | 7.2468 | 7.9632 |
| Residual Disinfectant - Free | C009 | No abnormal change | 3,132 | -n/a | < 0.05 | 0.8 |
| Residual Disinfectant - Total | C010 | No abnormal change | 3,131 | -n/a | 0.1 | 0.8968 |
| Sulphate | A007 | 250 mg SO ₄ /l | 4 | 0 | 14.9 | 16.8 |
| Total Organic Carbon | A017 | No abnormal change | 4 | -n/a | < 0.7 | 0.8 |
| Tritium | F006 | 100 Bq/l | 3 | 0 | < 5.6 | < 5.6 |
| Totals: | | | 14,701 | 3 | | |