

## **Data summary tables for Yorkshire Water (YKS)**

These tables contain a summary of results of monitoring undertaken by the water company in 2017 and submitted to the Drinking Water Inspectorate. The tables are published by the Inspectorate as part of the Chief Inspector's Report entitled *Drinking water 2017*.

The tables and full content of the Drinking Water Inspectorate's annual report are available on the Inspectorate's website at <http://www.dwi.defra.gov.uk>

### **Notes relating to the interpretation of the tables:**

Columns on the following tables that are headed '1 percentile representing a minimum' and '99 percentile representing a maximum' contain figures for the 1 percentile and 99 percentile sample results respectively except where less than 100 samples were taken, when the figures are the actual maximum and minimum results.

The symbol < indicates that the result was less than the limit of detection of the analytical method used.

Published 11 July 2018  
Drinking Water  
Inspectorate Area 1A  
Nobel House  
17 Smith Square  
London  
SW1P 3JR

Enquiries: 0300 068 6400

Site Summary Data for Yorkshire Water Services Ltd

Report Date Range: For the whole year 2017

Table YKS 1: Quality of water leaving 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 <sub>2</sub> /l         | 2,229                 | 0            | < 0.0011                              | 0.009                                  | 0                          |
| <b>Totals:</b>  |                |                                   | <b>2,229</b>          | <b>0</b>     |                                       |  |                            |

Table YKS 2: Quality of water leaving 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                   | 14,198                | 0            | 0                                     | 0                                      | 0                          |
| Total Coliforms (Confirmed)         | C001           | 0 number/100 ml                   | 14,198                | 2            | 0                                     | 0                                      | 2                          |
| <b>Totals:</b>                      |                |                                   | <b>28,396</b>         | <b>2</b>     |                                       |  |                            |

Table YKS 3: Quality of water leaving 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 22°C (Colony Counts)       | C007           | No abnormal change                | 14,198                | -n/a                          | 0                                     | 2                                      |
| Residual Disinfectant - Free                             | C009           | No abnormal change                | 14,198                | -n/a                          | 0.03                                  | 0.91                                   |
| Residual Disinfectant - Total                            | C010           | No abnormal change                | 14,198                | -n/a                          | 0.13                                  | 1.01                                   |
| <i>Combined Chlorine/Residual Disinfectant Combined*</i> | <i>-(n/a)</i>  | <i>-(n/a)</i>                     | <i>(14,198)</i>       | <i>-n/a</i>                   | <i>0.01</i>                           | <i>0.67</i>                            |
| Turbidity - Indicator                                    | A002A          | 1 nephelometric turbidity units   | 14,197                | 4                             | 0.07                                  | 0.4202                                 |
| <b>Totals:</b>   |                |                                   | <b>56,791</b>         | <b>4</b>                      |                                       |  |

\*Residual disinfectant combined is presented for information. It is not a parameter required by the regulations. It is derived from the parameters 'Residual Disinfectant - Total' minus 'Residual Disinfectant - Free'.

**Table YKS 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                   | 17,800                | 2            | 0                                     | 0                                      | 2                                  |
| Total Coliforms (Confirmed)         | C001           | 0 number/100 ml                   | 17,800                | 18           | 0                                     | 0                                      | 0                                  |
| <b>Totals:</b>                      |                |                                   | <b>35,600</b>         | <b>20</b>    |                                       |  |                                    |

**Table YKS 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                | 17,800                | -n/a                          | 0                                     | 67                                     |
| Residual Disinfectant - Free                             | C009           | No abnormal change                | 17,800                | -n/a                          | 0.01                                  | 0.7599                                 |
| Residual Disinfectant - Total                            | C010           | No abnormal change                | 17,800                | -n/a                          | 0.06                                  | 0.85                                   |
| <i>Combined Chlorine/Residual Disinfectant Combined*</i> | <i>-(n/a)</i>  | <i>-(n/a)</i>                     | <i>(17,800)</i>       | <i>-n/a</i>                   | <i>0.01</i>                           | <i>0.56</i>                            |
| <b>Totals:</b>   |                |                                   | <b>53,400</b>         | <b>0</b>                      |                                       |  |

\*Residual disinfectant combined is presented for information. It is not a parameter required by the regulations. It is derived from the parameters 'Residual Disinfectant - Total' minus 'Residual Disinfectant - Free'.

Table YKS 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 |
|---|----------------|-----------------------------------|-----------------------|--------------|---------------------------------------|--|------------------------------------|
| Boron   | D005A          | 1 mg B/l                          | 116                   | 0            | 0.0069927                             | 0.078053                               | 0                                  |
| Cyanide (Total)                                       | B003           | 50 µg CN/l                        | 116                   | 0            | < 0.7                                 | 4.243                                  | 0                                  |
| Fluoride (Total)                                      | A027           | 1.5 mg F/l                        | 116                   | 0            | < 0.02                                | 0.0966                                 | 0                                  |
| Mercury (Total)                                       | B005           | 1 µg Hg/l                         | 116                   | 0            | < 0.02                                | < 0.05                                 | 0                                  |
| Pesticides (Total by Calculation)                     | B010           | 0.5 µg/l                          | 116                   | 0            | 0                                     | 0.43512                                | 0                                  |
| Pesticides 1,1,1-trichloro-2,2-ethane pp'-DDT         | P125           | 0.1 µg/l                          | 116                   | 0            | < 0.001                               | < 0.003                                | 0                                  |
| Pesticides 1,1-dichloro-2,2-bis-ethane pp'-DDE        | P124           | 0.1 µg/l                          | 116                   | 0            | < 0.001                               | < 0.003                                | 0                                  |
| Pesticides 2 4-D                                      | P020           | 0.1 µg/l                          | 116                   | 0            | < 0.003                               | < 0.007                                | 0                                  |
| Pesticides 2 4-DB                                     | P082           | 0.1 µg/l                          | 116                   | 0            | < 0.004                               | < 0.007                                | 0                                  |
| Pesticides 2,4,5-T                                    | P076           | 0.1 µg/l                          | 116                   | 0            | < 0.003                               | < 0.009                                | 0                                  |
| Pesticides Aldrin                                     | P002           | 0.03 µg/l                         | 116                   | 0            | < 0.001                               | < 0.003                                | 0                                  |
| Pesticides Atrazine                                   | P004           | 0.1 µg/l                          | 116                   | 0            | < 0.001                               | < 0.002                                | 0                                  |
| Pesticides Bentazone                                  | P006           | 0.1 µg/l                          | 116                   | 0            | < 0.001                               | 0.01379                                | 0                                  |
| Pesticides Bromacil                                   | P086           | 0.1 µg/l                          | 116                   | 0            | < 0.003                               | < 0.003                                | 0                                  |
| Pesticides Bromoxynil                                 | P008           | 0.1 µg/l                          | 116                   | 0            | < 0.003                               | < 0.006                                | 0                                  |
| Pesticides Carbetamide                                | P010           | 0.1 µg/l                          | 116                   | 0            | < 0.002                               | 0.00666                                | 0                                  |
| Pesticides Chlorpropham                               | P016           | 0.1 µg/l                          | 116                   | 0            | < 0.003                               | < 0.003                                | 0                                  |
| Pesticides Chlorpyrifos (Chlorpyrifos Ethyl)          | P017           | 0.1 µg/l                          | 116                   | 0            | < 0.002                               | < 0.003                                | 0                                  |
| Pesticides Chlortoluron                               | P014           | 0.1 µg/l                          | 116                   | 0            | < 0.002                               | < 0.003                                | 0                                  |
| Pesticides Clomazone                                  | P246           | 0.1 µg/l                          | 116                   | 0            | < 0.002                               | < 0.003                                | 0                                  |
| Pesticides Clopyralid                                 | P018           | 0.1 µg/l                          | 116                   | 0            | < 0.003                               | 0.0363                                 | 0                                  |
| Pesticides Cyanazine                                  | P092           | 0.1 µg/l                          | 116                   | 0            | < 0.001                               | < 0.002                                | 0                                  |
| Pesticides Cypermethrin                               | P094           | 0.1 µg/l                          | 116                   | 0            | < 0.001                               | < 0.003                                | 0                                  |
| Pesticides Cyproconazole                              | P207           | 0.1 µg/l                          | 116                   | 0            | < 0.001                               | 0.00283                                | 0                                  |
| Pesticides Diazinon                                   | P024           | 0.1 µg/l                          | 116                   | 0            | < 0.001                               | < 0.001                                | 0                                  |
| Pesticides Dicamba                                    | P025           | 0.1 µg/l                          | 116                   | 0            | < 0.003                               | < 0.006                                | 0                                  |
| Pesticides Dichlobenil                                | P098           | 0.1 µg/l                          | 116                   | 0            | < 0.001                               | < 0.003                                | 0                                  |
| Pesticides Dichlorodiphenyldichloroethane pp'-DDD TDE | P123           | 0.1 µg/l                          | 116                   | 0            | < 0.001                               | < 0.003                                | 0                                  |
| Pesticides Dichlorodiphenyldichloroethyle op'-DDE     | P115           | 0.1 µg/l                          | 116                   | 0            | < 0.001                               | < 0.003                                | 0                                  |
| Pesticides Dichloroprop                               | P026           | 0.1 µg/l                          | 116                   | 0            | < 0.003                               | < 0.005                                | 0                                  |
| Pesticides Dieldrin                                   | P028           | 0.03 µg/l                         | 116                   | 0            | < 0.001                               | < 0.003                                | 0                                  |
| Pesticides Difenconazole                              | P247           | 0.1 µg/l                          | 116                   | 0            | < 0.002                               | < 0.002                                | 0                                  |
| Pesticides Diflufenican                               | P157           | 0.1 µg/l                          | 116                   | 0            | < 0.002                               | < 0.002                                | 0                                  |
| Pesticides Diuron                                     | P032           | 0.1 µg/l                          | 116                   | 0            | < 0.002                               | < 0.003                                | 0                                  |
| Pesticides Epoxyconazole                              | P217           | 0.1 µg/l                          | 116                   | 0            | < 0.001                               | < 0.002                                | 0                                  |
| Pesticides EPTC                                       | P035           | 0.1 µg/l                          | 116                   | 0            | < 0.003                               | < 0.006                                | 0                                  |

Table YKS 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 |
|---|----------------|-----------------------------------|-----------------------|--------------|---------------------------------------|--|------------------------------------|
| Pesticides Fluazifop-butyl  | P038           | 0.1 µg/l                          | 116                   | 0            | < 0.001                               | < 0.004                                | 0                                  |
| Pesticides Flufenacet   | P230           | 0.1 µg/l                          | 116                   | 0            | < 0.002                               | 0.0246                                 | 0                                  |
| Pesticides Fluroxypyr   | P040           | 0.1 µg/l                          | 116                   | 0            | < 0.003                               | 0.00783                                | 0                                  |
| Pesticides Flurtamone   | P248           | 0.1 µg/l                          | 116                   | 0            | < 0.001                               | < 0.002                                | 0                                  |
| Pesticides Flusilazole  | P159           | 0.1 µg/l                          | 116                   | 0            | < 0.001                               | < 0.002                                | 0                                  |
| Pesticides Flutriafol   | P039           | 0.1 µg/l                          | 116                   | 0            | < 0.001                               | < 0.002                                | 0                                  |
| Pesticides Gamma-HCH (Lindane)  | P041           | 0.1 µg/l                          | 116                   | 0            | < 0.001                               | < 0.003                                | 0                                  |
| Pesticides Heptachlor   | P043           | 0.03 µg/l                         | 116                   | 0            | < 0.001                               | < 0.002                                | 0                                  |
| Pesticides Heptachlor Epoxide - Total (Trans, CIS) (Heptachlor Epoxide) | P044           | 0.03 µg/l                         | 116                   | 0            | < 0.001                               | < 0.003                                | 0                                  |
| Pesticides Imazapyr   | P160           | 0.1 µg/l                          | 116                   | 0            | < 0.002                               | 0.003                                  | 0                                  |
| Pesticides Ioxynil  | P049           | 0.1 µg/l                          | 116                   | 0            | < 0.003                               | < 0.003                                | 0                                  |
| Pesticides Isoproturon  | P048           | 0.1 µg/l                          | 116                   | 0            | < 0.002                               | < 0.002                                | 0                                  |
| Pesticides Linuron  | P051           | 0.1 µg/l                          | 116                   | 0            | < 0.002                               | < 0.007                                | 0                                  |
| Pesticides MCPA 4-chloro-o-tolyloxyacetic acid                          | P054           | 0.1 µg/l                          | 116                   | 0            | < 0.003                               | 0.00883                                | 0                                  |
| Pesticides Mecoprop-P   | P249           | 0.1 µg/l                          | 116                   | 0            | < 0.002                               | 0.005                                  | 0                                  |
| Pesticides Metaldehyde  | P226           | 0.1 µg/l                          | 116                   | 2            | < 0.00317                             | 0.33362                                | 1                                  |
| Pesticides Metazachlor  | P203           | 0.1 µg/l                          | 116                   | 0            | < 0.002                               | 0.00483                                | 0                                  |
| Pesticides Monuron  | P113           | 0.1 µg/l                          | 116                   | 0            | < 0.002                               | < 0.002                                | 0                                  |
| Pesticides op'-DDD (TDE)  | P114           | 0.1 µg/l                          | 116                   | 0            | < 0.001                               | < 0.003                                | 0                                  |
| Pesticides Oxadixyl   | P154           | 0.1 µg/l                          | 116                   | 0            | < 0.003                               | < 0.005                                | 0                                  |
| Pesticides Pendimethalin  | P118           | 0.1 µg/l                          | 116                   | 0            | < 0.002                               | 0.003                                  | 0                                  |
| Pesticides Propachlor   | P126           | 0.1 µg/l                          | 116                   | 0            | < 0.001                               | < 0.002                                | 0                                  |
| Pesticides Propham  | P067           | 0.1 µg/l                          | 116                   | 0            | < 0.002                               | < 0.003                                | 0                                  |
| Pesticides Propiconazole  | P068           | 0.1 µg/l                          | 116                   | 0            | < 0.002                               | < 0.003                                | 0                                  |
| Pesticides Propyzamide  | P071           | 0.1 µg/l                          | 116                   | 0            | < 0.002                               | 0.04505                                | 0                                  |
| Pesticides Prosulfocarb   | P243           | 0.1 µg/l                          | 116                   | 0            | < 0.002                               | < 0.002                                | 0                                  |
| Pesticides Quinmerac  | P244           | 0.1 µg/l                          | 116                   | 0            | < 0.001                               | 0.02232                                | 0                                  |
| Pesticides Simazine   | P073           | 0.1 µg/l                          | 116                   | 0            | < 0.001                               | < 0.003                                | 0                                  |
| Pesticides Tri-allate   | P079           | 0.1 µg/l                          | 116                   | 0            | < 0.003                               | < 0.004                                | 0                                  |
| Pesticides Trichloro-2(2chlorophenyl)2eth op'-DDT                       | P116           | 0.1 µg/l                          | 116                   | 0            | < 0.001                               | < 0.003                                | 0                                  |
| Pesticides Triclopyr  | P131           | 0.1 µg/l                          | 116                   | 0            | < 0.003                               | < 0.009                                | 0                                  |
| Pesticides Trietazine   | P132           | 0.1 µg/l                          | 116                   | 0            | < 0.001                               | < 0.003                                | 0                                  |
| <b>Totals:</b>  |                |                                   | <b>7,888</b>          | <b>2</b>     |                                       |  |                                    |

Table YKS 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                       | 116                   | 0                             | 6.402                                 | 36.866                                 |
| Clostridium Perfringens | C004A          | 0 number/100 ml                   | 5,224                 | 6                             | 0                                     | 0                                      |
| Total Organic Carbon    | A017           | No abnormal change                | 116                   | -n/a                          | 0.817                                 | 2.683                                  |
| <b>Totals:</b>          |                |                                   | <b>5,456</b>          | <b>6</b>                      |                                       |  |

Table YKS 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                            | 521                   | 0            | < 0.07                                | < 0.1                                  | 0                             |
| Antimony                                       | B008A          | 5 µg Sb/l                         | 521                   | 0            | < 0.03344                             | < 0.25                                 | 0                             |
| Arsenic (Total)                                | B001A          | 10 µg As/l                        | 521                   | 0            | 0.1222                                | 2.1534                                 | 0                             |
| Benzene (Total)                                | F002           | 1 µg/l                            | 521                   | 0            | < 0.02                                | < 0.07                                 | 0                             |
| Benzo[a]Pyrene (Total)                         | D007           | 0.01 µg/l                         | 537                   | 0            | < 0.00022                             | 0.0003524                              | 0                             |
| Boron  | D005A          | 1 mg B/l                          | 401                   | 0            | 0.0091796                             | 0.044686                               | 0                             |
| Bromate  | F003           | 10 µg BrO <sub>3</sub> /l         | 521                   | 0            | < 0.1                                 | 2                                      | 0                             |
| Cadmium (Total)                                | B002           | 5 µg Cd/l                         | 521                   | 0            | < 0.006                               | 0.08136                                | 0                             |
| Chromium (Total)                               | B004           | 50 µg Cr/l                        | 521                   | 0            | 0.1744                                | 0.6678                                 | 0                             |
| Copper (Total)                                 | A024A          | 2 mg Cu/l                         | 521                   | 0            | < 0.0006                              | 0.15594                                | 0                             |
| Cyanide (Total)                                | B003           | 50 µg CN/l                        | 385                   | 0            | < 0.7                                 | 1.1                                    | 0                             |
| E coli (faecal coliforms Confirmed)            | C002           | 0 number/100 ml                   | 13,026                | 3            | 0                                     | 0                                      | 3                             |
| Enterococci (Confirmed)                        | C003           | 0 number/100 ml                   | 525                   | 0            | 0                                     | 0                                      | 0                             |
| Fluoride (Total)                               | A027           | 1.5 mg F/l                        | 401                   | 0            | 0.0302                                | 0.1594                                 | 0                             |
| Lead (10 - will apply 25.12.2013)              | B007B          | 10 µg Pb/l                        | 523                   | 4            | < 0.03                                | 8.2976                                 | 4                             |
| Mercury (Total)                                | B005           | 1 µg Hg/l                         | 385                   | 0            | < 0.02                                | < 0.05                                 | 0                             |
| Nickel (Total)                                 | B006A          | 20 µg Ni/l                        | 521                   | 2            | 0.2                                   | 8.3806                                 | 2                             |
| Nitrate (Total)                                | A012           | 50 mg NO <sub>3</sub> /l          | 1,072                 | 0            | 0.8373                                | 40.527                                 | 0                             |
| Nitrite - Consumer's Taps                      | A013A          | 0.5 mg NO <sub>2</sub> /l         | 1,072                 | 0            | < 0.0011                              | 0.26554                                | 0                             |
| Nitrite/Nitrate formula                        | A013C          | 1 mg NO <sub>2</sub> /l           | 1,072                 | 0            | < 0.37                                | 0.8127                                 | 0                             |
| Pesticides (Total by Calculation)              | B010           | 0.5 µg/l                          | 385                   | 0            | 0                                     | 0.2364                                 | 0                             |
| Pesticides 1,1,1-trichloro-2,2-ethane pp'-DDT  | P125           | 0.1 µg/l                          | 385                   | 0            | < 0.001                               | < 0.003                                | 0                             |
| Pesticides 1,1-dichloro-2,2-bis-ethane pp'-DDE | P124           | 0.1 µg/l                          | 385                   | 0            | < 0.001                               | < 0.001                                | 0                             |
| Pesticides 2,4-D                               | P020           | 0.1 µg/l                          | 385                   | 0            | < 0.003                               | 0.012                                  | 0                             |
| Pesticides 2,4-DB                              | P082           | 0.1 µg/l                          | 385                   | 0            | < 0.004                               | < 0.007                                | 0                             |
| Pesticides 2,4,5-T                             | P076           | 0.1 µg/l                          | 385                   | 0            | < 0.003                               | < 0.009                                | 0                             |
| Pesticides Aldrin                              | P002           | 0.03 µg/l                         | 385                   | 0            | < 0.001                               | < 0.001                                | 0                             |
| Pesticides Atrazine                            | P004           | 0.1 µg/l                          | 385                   | 0            | < 0.001                               | 0.03314                                | 0                             |
| Pesticides Bentazone                           | P006           | 0.1 µg/l                          | 385                   | 0            | < 0.001                               | 0.01884                                | 0                             |
| Pesticides Bromacil                            | P086           | 0.1 µg/l                          | 385                   | 0            | < 0.003                               | < 0.003                                | 0                             |
| Pesticides Bromoxynil                          | P008           | 0.1 µg/l                          | 385                   | 0            | < 0.003                               | < 0.006                                | 0                             |
| Pesticides Carbetamide                         | P010           | 0.1 µg/l                          | 385                   | 0            | < 0.002                               | 0.005                                  | 0                             |
| Pesticides Chlorpropham                        | P016           | 0.1 µg/l                          | 385                   | 0            | < 0.003                               | < 0.003                                | 0                             |
| Pesticides Chlorpyrifos (Chlorpyrifos Ethyl)   | P017           | 0.1 µg/l                          | 385                   | 0            | < 0.002                               | < 0.003                                | 0                             |
| Pesticides Chlortoluron                        | P014           | 0.1 µg/l                          | 385                   | 0            | < 0.002                               | < 0.003                                | 0                             |
| Pesticides Clomazone                           | P246           | 0.1 µg/l                          | 385                   | 0            | < 0.002                               | < 0.003                                | 0                             |

Table YKS 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 |
|---|----------------|-----------------------------------|-----------------------|--------------|---------------------------------------|--|-------------------------------|
| Pesticides Clopyralid   | P018           | 0.1 µg/l                          | 385                   | 0            | < 0.003                               | 0.03114                                | 0                             |
| Pesticides Cyanazine  | P092           | 0.1 µg/l                          | 385                   | 0            | < 0.001                               | < 0.002                                | 0                             |
| Pesticides Cypermethrin   | P094           | 0.1 µg/l                          | 385                   | 0            | < 0.001                               | < 0.002                                | 0                             |
| Pesticides Cyproconazole  | P207           | 0.1 µg/l                          | 385                   | 0            | < 0.001                               | 0.00314                                | 0                             |
| Pesticides Diazinon   | P024           | 0.1 µg/l                          | 385                   | 0            | < 0.001                               | 0.001                                  | 0                             |
| Pesticides Dicamba  | P025           | 0.1 µg/l                          | 385                   | 0            | < 0.003                               | < 0.006                                | 0                             |
| Pesticides Dichlobenil  | P098           | 0.1 µg/l                          | 385                   | 0            | < 0.001                               | < 0.003                                | 0                             |
| Pesticides Dichlorodiphenyldichlorethane pp'-DDD TDE                    | P123           | 0.1 µg/l                          | 385                   | 0            | < 0.001                               | < 0.001                                | 0                             |
| Pesticides Dichlorodiphenyldichloroethyle op'-DDE                       | P115           | 0.1 µg/l                          | 385                   | 0            | < 0.001                               | < 0.001                                | 0                             |
| Pesticides Dichlorprop  | P026           | 0.1 µg/l                          | 385                   | 0            | < 0.003                               | < 0.005                                | 0                             |
| Pesticides Dieldrin   | P028           | 0.03 µg/l                         | 385                   | 0            | < 0.001                               | < 0.002                                | 0                             |
| Pesticides Difenconazole  | P247           | 0.1 µg/l                          | 385                   | 0            | < 0.002                               | < 0.002                                | 0                             |
| Pesticides Diflufenican   | P157           | 0.1 µg/l                          | 385                   | 0            | < 0.002                               | < 0.002                                | 0                             |
| Pesticides Diuron   | P032           | 0.1 µg/l                          | 385                   | 0            | < 0.002                               | < 0.003                                | 0                             |
| Pesticides Epoxyconazole  | P217           | 0.1 µg/l                          | 385                   | 0            | < 0.001                               | 0.00314                                | 0                             |
| Pesticides EPTC   | P035           | 0.1 µg/l                          | 385                   | 0            | < 0.003                               | < 0.006                                | 0                             |
| Pesticides Fluazifop-butyl  | P038           | 0.1 µg/l                          | 385                   | 0            | < 0.001                               | < 0.002                                | 0                             |
| Pesticides Flufenacet   | P230           | 0.1 µg/l                          | 385                   | 0            | < 0.002                               | 0.01                                   | 0                             |
| Pesticides Fluroxypyr   | P040           | 0.1 µg/l                          | 385                   | 0            | < 0.003                               | 0.008                                  | 0                             |
| Pesticides Flurtamone   | P248           | 0.1 µg/l                          | 385                   | 0            | < 0.001                               | < 0.002                                | 0                             |
| Pesticides Flusilazole  | P159           | 0.1 µg/l                          | 385                   | 0            | < 0.001                               | < 0.002                                | 0                             |
| Pesticides Flutriafol   | P039           | 0.1 µg/l                          | 385                   | 0            | < 0.001                               | 0.002                                  | 0                             |
| Pesticides Gamma-HCH (Lindane)  | P041           | 0.1 µg/l                          | 385                   | 0            | < 0.001                               | < 0.001                                | 0                             |
| Pesticides Heptachlor   | P043           | 0.03 µg/l                         | 385                   | 0            | < 0.001                               | < 0.001                                | 0                             |
| Pesticides Heptachlor Epoxide - Total (Trans, CIS) (Heptachlor Epoxide) | P044           | 0.03 µg/l                         | 385                   | 0            | < 0.001                               | < 0.002                                | 0                             |
| Pesticides Imazapyr   | P160           | 0.1 µg/l                          | 385                   | 0            | < 0.002                               | 0.003                                  | 0                             |
| Pesticides Ioxynil  | P049           | 0.1 µg/l                          | 385                   | 0            | < 0.003                               | < 0.003                                | 0                             |
| Pesticides Isoproturon  | P048           | 0.1 µg/l                          | 385                   | 0            | < 0.002                               | < 0.002                                | 0                             |
| Pesticides Linuron  | P051           | 0.1 µg/l                          | 385                   | 0            | < 0.002                               | < 0.007                                | 0                             |
| Pesticides MCPA 4-chloro-o-tolyloxyacetic acid                          | P054           | 0.1 µg/l                          | 385                   | 0            | < 0.003                               | 0.01028                                | 0                             |
| Pesticides Mecoprop-P   | P249           | 0.1 µg/l                          | 385                   | 0            | < 0.002                               | 0.01                                   | 0                             |
| Pesticides Metaldehyde  | P226           | 0.1 µg/l                          | 385                   | 9            | < 0.003                               | 0.22354                                | 6                             |
| Pesticides Metazachlor  | P203           | 0.1 µg/l                          | 385                   | 0            | < 0.002                               | 0.00942                                | 0                             |
| Pesticides Monuron  | P113           | 0.1 µg/l                          | 385                   | 0            | < 0.002                               | 0.00314                                | 0                             |
| Pesticides op'-DDD (TDE)  | P114           | 0.1 µg/l                          | 385                   | 0            | < 0.001                               | < 0.001                                | 0                             |
| Pesticides Oxadixyl   | P154           | 0.1 µg/l                          | 385                   | 0            | < 0.003                               | < 0.005                                | 0                             |
| Pesticides Pendimethalin  | P118           | 0.1 µg/l                          | 385                   | 0            | < 0.002                               | 0.00428                                | 0                             |
| Pesticides Propachlor   | P126           | 0.1 µg/l                          | 385                   | 0            | < 0.001                               | < 0.002                                | 0                             |
| Pesticides Propham  | P067           | 0.1 µg/l                          | 385                   | 0            | < 0.002                               | < 0.004                                | 0                             |
| Pesticides Propiconazole  | P068           | 0.1 µg/l                          | 385                   | 0            | < 0.002                               | < 0.003                                | 0                             |



Table YKS 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 |
|--|----------------|-----------------------------------|-----------------------|--------------|---------------------------------------|--|-------------------------------|
| Pesticides Propyzamide   | P071           | 0.1 µg/l                          | 385                   | 0            | < 0.002                               | 0.011                                  | 0                             |
| Pesticides Prosulfocarb  | P243           | 0.1 µg/l                          | 385                   | 0            | < 0.002                               | 0.002                                  | 0                             |
| Pesticides Quinmerac   | P244           | 0.1 µg/l                          | 385                   | 0            | < 0.001                               | 0.02612                                | 0                             |
| Pesticides Simazine  | P073           | 0.1 µg/l                          | 385                   | 0            | < 0.001                               | 0.006                                  | 0                             |
| Pesticides Tri-allate  | P079           | 0.1 µg/l                          | 385                   | 0            | < 0.003                               | < 0.004                                | 0                             |
| Pesticides Trichloro-2(2chlorophenyl)2eth op'-DDT                                | P116           | 0.1 µg/l                          | 385                   | 0            | < 0.001                               | < 0.003                                | 0                             |
| Pesticides Triclopyr   | P131           | 0.1 µg/l                          | 385                   | 0            | < 0.003                               | < 0.009                                | 0                             |
| Pesticides Trietazine  | P132           | 0.1 µg/l                          | 385                   | 0            | < 0.001                               | < 0.004                                | 0                             |
| Polycyclic Aromatic Hydrocarbons (Total by Calculation)                          | B011F          | 0.1 µg/l                          | 521                   | 0            | 0                                     | 0.00356                                | 0                             |
| Selenium (Total)   | B009           | 10 µg Se/l                        | 521                   | 0            | < 0.31                                | 2.8678                                 | 0                             |
| Trichloroethene & Tetrachloroethene - Sum Of 2 Substances (Total by Calculation) | D009B          | 10 µg/l                           | 521                   | 0            | 0                                     | 0                                      | 0                             |
| Trihalomethanes (Total by Calculation)   | D011           | 100 µg/l                          | 521                   | 0            | 4.6796                                | 71.4816                                | 0                             |
| <b>Totals:</b>   |                |                                   | <b>50,812</b>         | <b>18</b>    |                                       |  |                               |

**Table YKS 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                       | 4,191                 | 2            | < 3.21                                | 47.048                                 | 2                             |
| Colour                     | A001           | 20 mg/l Pt/Co scale               | 4,191                 | 0            | < 0.5                                 | 3.5                                    | 0                             |
| Iron (Total)               | A022           | 200 µg Fe/l                       | 4,191                 | 8            | < 0.7322                              | 107.08                                 | 7                             |
| Manganese (Total)          | A023           | 50 µg Mn/l                        | 4,191                 | 1            | < 0.14                                | 7.0716                                 | 1                             |
| Odour                      | A003           | 0 Dilution number                 | 4,192                 | 8            | 0                                     | 0                                      | 7                             |
| Sodium (Total)             | A009           | 200 mg Na/l                       | 521                   | 0            | 6.05                                  | 46.88                                  | 0                             |
| Taste (Taste Quant)        | A004           | 0 Dilution number                 | 4,191                 | 4            | 0                                     | 0                                      | 3                             |
| Tetrachloromethane (Total) | D008           | 3 µg/l                            | 521                   | 0            | < 0.02                                | < 0.14                                 | 0                             |
| Turbidity                  | A002           | 4 nephelometric turbidity units   | 4,191                 | 0            | 0.07                                  | 0.51                                   | 0                             |
| <b>Totals:</b>             |                |                                   | <b>30,380</b>         | <b>23</b>    |                                       |  |                               |

**Table YKS 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 <sub>4</sub> /l         | 4,190                 | 0                             | < 0.004                               | 0.165                                  |
| Chloride   | D002A          | 250 mg Cl/l                       | 401                   | 0                             | 7.802                                 | 49.096                                 |
| Coliform Bacteria (Indicator)                            | C001A          | 0 number/100 ml                   | 13,026                | 30                            | 0                                     | 0                                      |
| Colony Counts After 3 Days At 22°C (Colony Counts)       | C007           | No abnormal change                | 4,194                 | -n/a                          | 0                                     | 35                                     |
| Conductivity (Electrical Conductivity)                   | D001           | 2500 µS/cm                        | 4,191                 | 0                             | 119.92                                | 688.08                                 |
| Gross Alpha  | F004           | 0.1 Bq/l                          | 56                    | 2                             | < 0.02                                | 0.202                                  |
| Gross Beta   | F005           | 1 Bq/l                            | 56                    | 0                             | 0.03                                  | 0.218                                  |
| Hydrogen ion (pH) - Indicator (Hydrogen ion) (pH)        | A006           | 6.5 - 9.5 pH Value                | 4,191                 | 0                             | 6.9492                                | 8.52                                   |
| Residual Disinfectant - Free                             | C009           | No abnormal change                | 13,028                | -n/a                          | 0.01                                  | 0.65                                   |
| Residual Disinfectant - Total                            | C010           | No abnormal change                | 13,028                | -n/a                          | 0.06                                  | 0.77                                   |
| <i>Combined Chlorine/Residual Disinfectant Combined*</i> | <i>-(n/a)</i>  | <i>-(n/a)</i>                     | <i>(13,028)</i>       | <i>-n/a</i>                   | <i>0.01</i>                           | <i>0.41</i>                            |
| Sulphate   | A007           | 250 mg SO <sub>4</sub> /l         | 521                   | 0                             | 22.5                                  | 146.56                                 |
| Total Organic Carbon                                     | A017           | No abnormal change                | 401                   | -n/a                          | 0.5                                   | 2.996                                  |
| <b>Totals:</b>   |                |                                   | <b>57,283</b>         | <b>32</b>                     |                                       |  |

\*Residual disinfectant combined is presented for information. It is not a parameter required by the regulations. It is derived from the parameters 'Residual Disinfectant - Total' minus 'Residual Disinfectant - Free'.