

Data summary tables for Veolia Water Projects (VWP)

These tables contain a summary of results of monitoring undertaken by the water company in 2018 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 2018*.

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

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Site Summary Data for Veolia Water Projects

Report Date Range: For the whole year 2018

Table VWP 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	31	0	< 0.008	< 0.008	0
Totals:			31	0			

Table VWP 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	158	0	0	0	0
Total Coliforms (Confirmed)	C001	0 number/100 ml	158	0	0	0	0
Totals:			316	0			

Table VWP 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 22°C (Colony Counts)	C007	No abnormal change	158	-n/a	0	5
Residual Disinfectant - Total	C010	No abnormal change	158	-n/a	0.4849	0.83
Turbidity - Indicator	A002A	1 nephelometric turbidity units	158	0	< 0.1	0.4841
Totals:			474	0		

Table VWP 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	280	0	0	0	0
Total Coliforms (Confirmed)	C001	0 number/100 ml	280	0	0	0	0
Totals:			560	0			

Table VWP 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	280	-n/a	0	40
Residual Disinfectant - Total	C010	No abnormal change	280	-n/a	0.32	0.6838
Totals:			560	0		

Table VWP 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	7	0	< 0.04	< 0.04	0
Antimony	B008A	5 µg Sb/l	8	0	< 0.2	< 0.2	0
Arsenic (Total)	B001A	10 µg As/l	8	0	< 1	< 1	0
Benzene (Total)	F002	1 µg/l	7	0	< 0.02	< 0.02	0
Benzo[a]Pyrene (Total)	D007	0.01 µg/l	8	0	< 0.0006	0.0008	0
Boron	D005A	1 mg B/l	8	0	< 0.1	< 0.1	0
Bromate	F003	10 µg BrO ₃ /l	8	0	< 0.5	< 0.5	0
Cadmium (Total)	B002	5 µg Cd/l	8	0	< 0.2	< 0.2	0
Chromium (Total)	B004	50 µg Cr/l	8	0	< 0.5	< 0.5	0
Copper (Total)	A024A	2 mg Cu/l	8	0	< 0.01	0.035	0
Cyanide (Total)	B003	50 µg CN/l	8	0	< 1	1.6	0
E coli (faecal coliforms Confirmed)	C002	0 number/100 ml	36	0	0	0	0
Enterococci (Confirmed)	C003	0 number/100 ml	8	0	0	0	0
Fluoride (Total)	A027	1.5 mg F/l	8	0	0.053	0.067	0
Lead (10 - will apply 25.12.2013)	B007B	10 µg Pb/l	8	0	< 1	1.36	0
Mercury (Total)	B005	1 µg Hg/l	8	0	< 0.1	< 0.1	0
Nickel (Total)	B006A	20 µg Ni/l	8	0	< 2	< 2	0
Nitrate (Total)	A012	50 mg NO ₃ /l	8	0	15.1	27.9	0
Nitrite - Consumer's Taps	A013A	0.5 mg NO ₂ /l	8	0	< 0.008	< 0.008	0
Nitrite/Nitrate formula	A013C	1 mg NO ₂ /l	8	0	< 0.302	< 0.558	0
Pesticides (Total by Calculation)	B010	0.5 µg/l	8	0	0.006	0.051	0
Pesticides Atrazine	P004	0.1 µg/l	7	0	< 0.005	0.009	0
Pesticides Desethylatrazine	P182	0.1 µg/l	8	0	0.006	0.041	0
Polycyclic Aromatic Hydrocarbons (Total by Calculation)	B011F	0.1 µg/l	8	0	0	0.0039	0
Selenium (Total)	B009	10 µg Se/l	8	0	< 1	< 1	0
Trichloroethene & Tetrachloroethene - Sum Of 2 Substances (Total by Calculation)	D009B	10 µg/l	7	0	0.42	1.13	0
Trihalomethanes (Total by Calculation)	D011	100 µg/l	7	0	4.95	9.67	0
Totals:			239	0			

Table VWP 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	8	0	< 5	< 5	0
Colour	A001	20 mg/l Pt/Co scale	18	0	< 1	< 1	0
Iron (Total)	A022	200 µg Fe/l	8	0	< 15	< 15	0
Manganese (Total)	A023	50 µg Mn/l	8	0	< 1	< 1	0
Odour	A003	0 Dilution number	18	0	0	0	0
Sodium (Total)	A009	200 mg Na/l	8	0	6.04	10.2	0
Taste (Taste Quant)	A004	0 Dilution number	18	0	0	0	0
Tetrachloromethane (Total)	D008	3 µg/l	8	0	< 0.06	0.14	0
Turbidity	A002	4 nephelometric turbidity units	27	0	< 0.1	0.47	0
Totals:			121	0			

Table VWP 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	18	0	< 0.04	< 0.04
Chloride	D002A	250 mg Cl/l	8	0	13	21
Clostridium Perfringens (Sulphite-reducing Clostridia) (Confirmed)	C004A	0 number/100 ml	8	0	0	0
Coliform Bacteria (Indicator)	C001A	0 number/100 ml	36	0	0	0
Colony Counts After 3 Days At 22øc (Colony Counts)	C007	No abnormal change	24	-n/a	0	9
Conductivity (Electrical Conductivity)	D001	2500 µS/cm	24	0	368	549
Hydrogen ion (pH) - Indicator (Hydrogen ion) (pH)	A006	6.5 - 9.5 pH Value	24	0	7.1	7.5
Residual Disinfectant - Total	C010	No abnormal change	36	-n/a	0.26	0.62
Sulphate	A007	250 mg SO ₄ /l	8	0	8	17
Total Organic Carbon	A017	No abnormal change	8	-n/a	0.6	1
Totals:			194	0		