

Data summary tables for Independent Water Networks Limited (IWN)

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.

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Site Summary Data for Independent Water Networks

Report Date Range: For the whole year 2017

Table IWN 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	44	0	< 0.07	< 0.1	0
Antimony	B008A	5 µg Sb/l	49	0	< 0.033	0.433	0
Arsenic (Total)	B001A	10 µg As/l	49	0	0.27	1.65	0
Benzene (Total)	F002	1 µg/l	44	0	< 0.02	< 0.07	0
Benzo[a]Pyrene (Total)	D007	0.01 µg/l	46	0	< 0.00022	0.00067	0
Boron	D005A	1 mg B/l	49	0	0.016	0.101	0
Bromate	F003	10 µg BrO3/l	49	0	< 0.1	1	0
Cadmium (Total)	B002	5 µg Cd/l	49	0	< 0.006	0.056	0
Chromium (Total)	B004	50 µg Cr/l	49	0	0.26	0.84	0
Copper (Total)	A024A	2 mg Cu/l	49	0	0.0011	0.37	0
Cyanide (Total)	B003	50 µg CN/l	49	0	< 0.7	0.9	0
E coli (faecal coliforms Confirmed)	C002	0 number/100 ml	133	0	0	0	0
Enterococci (Confirmed)	C003	0 number/100 ml	49	0	0	0	0
Fluoride (Total)	A027	1.5 mg F/l	49	0	0.07	0.27	0
Lead (10 - will apply 25.12.2013)	B007B	10 µg Pb/l	49	0	< 0.03	5.15	0
Mercury (Total)	B005	1 µg Hg/l	49	0	< 0.02	0.05	0
Nickel (Total)	B006A	20 µg Ni/l	49	1	0.81	405	1
Nitrate (Total)	A012	50 mg NO3/l	49	0	8.1	45.1	0
Nitrite - Consumer's Taps	A013A	0.5 mg NO2/l	49	0	< 0.002	0.175	0
Nitrite/Nitrate formula	A013C	1 mg NO2/l	49	0	< 0.004	0.9	0
Pesticides (Total by Calculation)	B010	0.5 µg/l	28	0	0	0.079	0
Pesticides Metaldehyde	P226	0.1 µg/l	28	0	< 0.003	0.079	0
Polycyclic Aromatic Hydrocarbons (Total by Calculation)	B011F	0.1 µg/l	46	0	0	0.06	0
Radon	F031	100 Bq/l	4	0	< 10	< 10	0
Selenium (Total)	B009	10 µg Se/l	49	0	0.93	3.5	0
Trichloroethene & Tetrachloroethene - Sum Of 2 Substances (Total by Calculation)	D009B	10 µg/l	44	0	0	0.79	0
Trihalomethanes (Total by Calculation)	D011	100 µg/l	44	0	6.13	69.67	0
Totals:			1,294	1			

Table IWN 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	49	0	< 0.9	9.8	0
Colour	A001	20 mg/l Pt/Co scale	49	0	0	1.8	0
Iron (Total)	A022	200 µg Fe/l	50	0	< 0.7	41.8	0
Manganese (Total)	A023	50 µg Mn/l	49	0	< 0.14	< 2.6	0
Odour	A003	0 Dilution number	49	0	0	0	0
Sodium (Total)	A009	200 mg Na/l	49	0	0.207	52.7	0
Taste (Taste Quant)	A004	0 Dilution number	49	0	0	0	0
Tetrachloromethane (Total)	D008	3 µg/l	44	0	< 0.02	0.14	0
Turbidity	A002	4 nephelometric turbidity units	50	0	0.05	1	0
Totals:			438	0			

Table IWN 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	49	0	< 0.004	0.227
Chloride	D002A	250 mg Cl/l	49	0	22.3	82.1
Clostridium Perfringens (Sulphite-reducing Clostridia) (Confirmed)	C004A	0 number/100 ml	49	0	0	0
Coliform Bacteria (Indicator)	C001A	0 number/100 ml	133	0	0	0
Colony Counts After 3 Days At 22°C (Colony Counts)	C007	No abnormal change	110	-n/a	0	423
Colony Counts After 48 Hours At 37°C (Colony Counts)	C013	No abnormal change	43	-n/a	0	182
Conductivity (Electrical Conductivity)	D001	2500 µS/cm	50	0	306	767
Gross Alpha	F004	0.1 Bq/l	8	0	< 0.016	< 0.036
Gross Beta	F005	1 Bq/l	8	0	0.047	0.109
Hydrogen ion (pH) - Indicator (Hydrogen ion) (pH)	A006	6.5 - 9.5 pH Value	50	0	6.97	7.76
Residual Disinfectant - Free	C009	No abnormal change	131	-n/a	0.03	0.7204
Residual Disinfectant - Total	C010	No abnormal change	132	-n/a	0.1066	0.9302
<i>Combined Chlorine/Residual Disinfectant Combined*</i>	<i>-(n/a)</i>	<i>-(n/a)</i>	<i>(131)</i>	<i>-n/a</i>	<i>0.002</i>	<i>0.49</i>
Sulphate	A007	250 mg SO ₄ /l	49	0	< 0.25	122
Total Organic Carbon	A017	No abnormal change	49	-n/a	0.4	3.6
Tritium	F006	100 Bq/l	5	0	< 5	< 5
Totals:			915	0		

*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'.