

Data summary tables for United Utilities (UUT)

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 United Utilities Water Plc

Report Date Range: For the whole year 2018

Table UUT 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	636	0	< 0.0016	< 0.0016	0
Totals:			636	0			

Table UUT 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	14,902	0	0	0	0
Total Coliforms (Confirmed)	C001	0 number/100 ml	14,902	1	0	0	1
Totals:			29,804	1			

Table UUT 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	14,912	-n/a	0	1
Residual Disinfectant - Free	C009	No abnormal change	14,923	-n/a	0.37	1.59
Residual Disinfectant - Total	C010	No abnormal change	14,923	-n/a	0.42	1.64
Turbidity - Indicator	A002A	1 nephelometric turbidity units	14,835	0	< 0.05	0.26
Totals:			59,593	0		

Table UUT 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	17,522	0	0	0	0
Total Coliforms (Confirmed)	C001	0 number/100 ml	17,522	7	0	0	0
Totals:			35,044	7			

Table UUT 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	17,530	-n/a	0	5
Residual Disinfectant - Free	C009	No abnormal change	17,560	-n/a	0.18	1.2839
Residual Disinfectant - Total	C010	No abnormal change	17,559	-n/a	0.26	1.33
Totals:			52,649	0		

Table UUT 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	651	0	< 0.138	< 0.138	0
Benzene (Total)	F002	1 µg/l	637	0	< 0.0471	< 0.0471	0
Boron	D005A	1 mg B/l	648	0	< 0.0029	0.083902	0
Cyanide (Total)	B003	50 µg CN/l	649	0	< 0.698	1.705	0
Fluoride (Fluoridated)	A027A	1.2 mg F/l	24	1	0.02	1.05	1
Fluoride (Total)	A027	1.5 mg F/l	653	0	< 0.01	0.9946	0
Mercury (Total)	B005	1 µg Hg/l	620	0	< 0.015	0.08116	0
Pesticides (Total by Calculation)	B010	0.5 µg/l	828	0	0	0.036459	0
Pesticides 2 4-D	P020	0.1 µg/l	104	0	< 0.01	< 0.01	0
Pesticides 2 4-DB	P082	0.1 µg/l	42	0	< 0.01	< 0.01	0
Pesticides 2,4,5-T	P076	0.1 µg/l	24	0	< 0.01	< 0.01	0
Pesticides Asulam	P133	0.1 µg/l	5	0	< 0.009	< 0.009	0
Pesticides Atrazine	P004	0.1 µg/l	8	0	< 0.01	< 0.01	0
Pesticides Bromoxynil	P008	0.1 µg/l	17	0	< 0.01	< 0.01	0
Pesticides Carbetamide	P010	0.1 µg/l	49	0	< 0.01	< 0.01	0
Pesticides Chlortoluron	P014	0.1 µg/l	66	0	< 0.01	< 0.01	0
Pesticides Clopyralid	P018	0.1 µg/l	152	0	< 0.01	0.0147	0
Pesticides Diazinon	P024	0.1 µg/l	50	0	< 0.01	< 0.01	0
Pesticides Dicamba	P025	0.1 µg/l	83	0	< 0.01	< 0.0147	0
Pesticides Dichlorprop	P026	0.1 µg/l	36	0	< 0.01	< 0.01	0
Pesticides Dieldrin	P028	0.03 µg/l	24	0	< 0.003	< 0.003	0
Pesticides Diuron	P032	0.1 µg/l	1	0	< 0.01	< 0.01	0
Pesticides Fluroxypyr	P040	0.1 µg/l	105	0	< 0.01	< 0.01	0
Pesticides Glyphosate	P042	0.1 µg/l	215	0	< 0.009	< 0.030168	0
Pesticides Heptachlor Epoxide - Total (Trans, CIS) (Heptachlor Epoxide)	P044	0.03 µg/l	24	0	< 0.002	< 0.002	0
Pesticides Isoproturon	P048	0.1 µg/l	1	0	< 0.01	< 0.01	0
Pesticides Linuron	P051	0.1 µg/l	49	0	< 0.01	< 0.01	0
Pesticides MCPA 4-chloro-o-tolyloxyacetic acid	P054	0.1 µg/l	197	0	< 0.01	0.0314	0
Pesticides MCPP (Mecoprop)	P053	0.1 µg/l	110	0	< 0.01	0.0378	0
Pesticides Metaldehyde	P226	0.1 µg/l	62	0	< 0.01	0.014	0
Pesticides Metazachlor	P203	0.1 µg/l	50	0	< 0.0032	< 0.01	0
Pesticides Pentachlorophenol	P060	0.1 µg/l	8	0	< 0.01	< 0.01	0

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 Triclopyr	P131	0.1 µg/l	129	0	< 0.00468	< 0.01	0
Radon	F031	100 Bq/l	1	0	14.2	14.2	0
Totals:			6,322	1			

Table UUT 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	658	0	4.9659	108.41
Gross Alpha	F004	0.1 Bq/l	1	0	0.02	0.02
Gross Beta	F005	1 Bq/l	1	0	0.1	0.1
Sulphate	A007	250 mg SO ₄ /l	650	0	1.9016	130.49
Total Organic Carbon	A017	No abnormal change	657	-n/a	< 0.21	2.2768
Totals:			1,967	0		

Table UUT 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	3	0	< 0.138	< 0.138	0
Antimony	B008A	5 µg Sb/l	1,794	0	< 0.14	0.22	0
Arsenic (Total)	B001A	10 µg As/l	1,794	0	0.04	3.343	0
Benzene (Total)	F002	1 µg/l	3	0	< 0.0471	< 0.0471	0
Benzo[a]Pyrene (Total)	D007	0.01 µg/l	1,911	0	< 0.001	< 0.001	0
Boron	D005A	1 mg B/l	3	0	0.0115	0.0251	0
Bromate	F003	10 µg BrO ₃ /l	1,778	0	< 0.091	2.2563	0
Cadmium (Total)	B002	5 µg Cd/l	1,794	0	< 0.03	0.0605	0
Chromium (Total)	B004	50 µg Cr/l	1,796	0	< 0.04	1.5003	0
Copper (Total)	A024A	2 mg Cu/l	1,787	0	< 0.0009	0.27324	0
Cyanide (Total)	B003	50 µg CN/l	3	0	< 1.17	< 1.17	0
E coli (faecal coliforms Confirmed)	C002	0 number/100 ml	18,882	1	0	0	1
Enterococci (Confirmed)	C003	0 number/100 ml	1,797	0	0	0	0
Fluoride (Fluoridated)	A027A	1.2 mg F/l	42	18	0.03	1.02	3
Fluoride (Total)	A027	1.5 mg F/l	42	0	0.03	1.02	0
Lead (10 - will apply 25.12.2013)	B007B	10 µg Pb/l	1,796	20	< 0.29	10.818	18
Mercury (Total)	B005	1 µg Hg/l	3	0	< 0.015	< 0.02	0
Nickel (Total)	B006A	20 µg Ni/l	1,788	4	< 0.31	4.6588	4
Nitrate (Total)	A012	50 mg NO ₃ /l	1,793	0	< 0.859	29.806	0
Nitrite - Consumer's Taps	A013A	0.5 mg NO ₂ /l	1,793	0	< 0.0016	< 0.0016	0
Nitrite/Nitrate formula	A013C	1 mg NO ₂ /l	1,803	0	0.014	0.59664	0
Pesticides (Total by Calculation)	B010	0.5 µg/l	7	0	0	0.0188	0
Pesticides 2 4-D	P020	0.1 µg/l	3	0	< 0.01	< 0.01	0
Pesticides 2 4-DB	P082	0.1 µg/l	3	0	< 0.01	< 0.01	0
Pesticides 2,4,5-T	P076	0.1 µg/l	3	0	< 0.01	< 0.01	0
Pesticides Aldrin	P002	0.03 µg/l	3	0	< 0.003	< 0.003	0
Pesticides Asulam	P133	0.1 µg/l	3	0	< 0.009	< 0.009	0
Pesticides Atrazine	P004	0.1 µg/l	3	0	< 0.01	< 0.01	0
Pesticides Bromoxynil	P008	0.1 µg/l	3	0	< 0.01	< 0.01	0
Pesticides Carbetamide	P010	0.1 µg/l	3	0	< 0.01	< 0.01	0
Pesticides Chlortoluron	P014	0.1 µg/l	3	0	< 0.01	< 0.01	0
Pesticides Clopyralid	P018	0.1 µg/l	3	0	< 0.01	0.01	0
Pesticides Diazinon	P024	0.1 µg/l	2	0	< 0.01	< 0.01	0

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 Dicamba	P025	0.1 µg/l	3	0	< 0.01	< 0.01	0
Pesticides Dichlorprop	P026	0.1 µg/l	3	0	< 0.01	< 0.01	0
Pesticides Dieldrin	P028	0.03 µg/l	3	0	< 0.003	< 0.003	0
Pesticides Diuron	P032	0.1 µg/l	3	0	< 0.01	< 0.01	0
Pesticides Fluroxypyr	P040	0.1 µg/l	3	0	< 0.01	< 0.01	0
Pesticides Glyphosate	P042	0.1 µg/l	3	0	< 0.009	< 0.009	0
Pesticides Heptachlor	P043	0.03 µg/l	3	0	< 0.005	< 0.005	0
Pesticides Heptachlor Epoxide - Total (Trans, CIS) (Heptachlor Epoxide)	P044	0.03 µg/l	3	0	< 0.002	< 0.002	0
Pesticides Isoproturon	P048	0.1 µg/l	3	0	< 0.01	< 0.01	0
Pesticides Linuron	P051	0.1 µg/l	3	0	< 0.01	< 0.01	0
Pesticides MCPA 4-chloro-o-tolyloxyacetic acid	P054	0.1 µg/l	3	0	< 0.01	< 0.01	0
Pesticides MCPP (Mecoprop)	P053	0.1 µg/l	3	0	< 0.01	< 0.01	0
Pesticides Metaldehyde	P226	0.1 µg/l	3	0	< 0.01	< 0.01	0
Pesticides Metazachlor	P203	0.1 µg/l	3	0	< 0.01	< 0.01	0
Pesticides Metribuzin	P152	0.1 µg/l	3	0	< 0.01	< 0.01	0
Pesticides Simazine	P073	0.1 µg/l	3	0	< 0.01	< 0.01	0
Pesticides Triclopyr	P131	0.1 µg/l	3	0	< 0.01	< 0.01	0
Polycyclic Aromatic Hydrocarbons (Total by Calculation)	B011F	0.1 µg/l	1,849	0	0	0.003	0
Radon	F031	100 Bq/l	3	0	< 1.63	3.2	0
Selenium (Total)	B009	10 µg Se/l	1,794	0	< 0.05	0.4605	0
Trichloroethene & Tetrachloroethene - Sum Of 2 Substances (Total by Calculation)	D009B	10 µg/l	1,829	0	0	0.4989	0
Trihalomethanes (Total by Calculation)	D011	100 µg/l	1,873	0	1.2414	53.504	0
Totals:			49,843	43			

Table UUT 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	7,067	4	< 2.45	41.5	4
Colour	A001	20 mg/l Pt/Co scale	7,160	0	< 0.37	2.5978	0
Iron (Total)	A022	200 µg Fe/l	7,068	16	< 2.15	102	16
Manganese (Total)	A023	50 µg Mn/l	7,067	8	< 0.21	8.9996	7
Odour	A003	0 Dilution number	7,125	9	0	0	9
Sodium (Total)	A009	200 mg Na/l	1,783	0	3.4168	52.06	0
Taste (Taste Quant)	A004	0 Dilution number	7,105	8	0	0	8
Tetrachloromethane (Total)	D008	3 µg/l	1,872	0	< 0.0187	0.07	0
Turbidity	A002	4 nephelometric turbidity units	7,159	0	< 0.05	0.3	0
Totals:			53,406	45			

Table UUT 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	7,165	0	0.0064	0.0141
Chloride	D002A	250 mg Cl/l	3	0	8.71	37.1
Clostridium Perfringens (Sulphite-reducing Clostridia) (Confirmed)	C004A	0 number/100 ml	7,089	0	0	0
Coliform Bacteria (Indicator)	C001A	0 number/100 ml	18,881	67	0	0
Colony Counts After 3 Days At 22øc (Colony Counts)	C007	No abnormal change	7,176	-n/a	0	28
Conductivity (Electrical Conductivity)	D001	2500 µS/cm	7,173	0	52	639
Gross Alpha	F004	0.1 Bq/l	3	0	< 0.02	< 0.02
Gross Beta	F005	1 Bq/l	3	0	< 0.02	0.04
Hydrogen ion (pH) - Indicator (Hydrogen ion) (pH)	A006	6.5 - 9.5 pH Value	7,006	1	6.85	7.8993
Residual Disinfectant - Free	C009	No abnormal change	19,085	-n/a	0.12	1.21
Residual Disinfectant - Total	C010	No abnormal change	19,086	-n/a	0.2	1.3
Sulphate	A007	250 mg SO ₄ /l	3	0	6.76	43.5
Total Organic Carbon	A017	No abnormal change	3	-n/a	< 0.21	1.21
Tritium	F006	100 Bq/l	3	0	< 10	< 10
Totals:			92,679	68		