

Data Summary Tables for United Utilities Water Plc (UU)

These tables contain a summary of results of monitoring undertaken by the water company in 2008 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 2008'.

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 2008

Table UUT 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 (Works)	A013B	0.1 mg NO ₂ /l	819	0	< 0.003	< 0.005	0
Totals:			819	0			

Table UUT 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
Coliform Bacteria	C001	0 number/100 ml	16,921	7	0	0	7
Cryptosporidium	C111	(see note*)	9,389	0			0
E Coli	C002	0 number/100 ml	16,921	0	0	0	0
Totals:			43,231	7			

Table UUT 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 (Indicator)	C007	No abnormal change	16,928	N/A	0	5
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	16,929	N/A	0	4
Residual Disinfectant - Free	C009	No abnormal change	16,950	N/A	0.24	1.49
Residual Disinfectant - Total	C010	No abnormal change	16,950	N/A	0.27	1.57
Turbidity (Indicator)	A002A	1 nephelometric turbidity unit	16,896	14	< 0.04	0.58
Totals:			84,653	14		

* Note : The Standard for *Cryptosporidium* ceased to exist when regulations changed from 22nd December 2007 but the regulatory monitoring related to *Cryptosporidium* risk assessments continued until 1st October.

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
Coliform Bacteria	C001	0 number/100 ml	19,966	20	0	0	0
E Coli	C002	0 number/100 ml	19,966	1	0	0	1
Totals:			39,932	21			

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 22°C (Indicator)	C007	No abnormal change	19,967	N/A	0	12
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	19,969	N/A	0	4
Residual Disinfectant - Free	C009	No abnormal change	19,989	N/A	0.08	1.24
Residual Disinfectant - Total	C010	No abnormal change	19,989	N/A	0.13	1.3
Totals:			79,914	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	F001	3 µg/l	800	0	< 0.075	0.13	0
Benzene	F002	1 µg/l	804	0	< 0.031	< 0.031	0
Boron	D005A	1 mg B/l	797	0	< 0.002	0.076	0
Cyanide	B003	50 µg CN/l	796	0	< 0.54	2.132	0
Mercury	B005	1 µg Hg/l	878	0	< 0.01	0.119	0
Pesticides - Total Substances	B010	0.5 µg/l	2,599	0	0	0.03	0
Pesticides 2,4,5-T	P076	0.1 µg/l	813	0	< 0.01	< 0.015	0
Pesticides 2,4,-Db	P082	0.1 µg/l	799	0	< 0.01	< 0.014	0
Pesticides 2,4-D	P020	0.1 µg/l	815	2	< 0.01	0.03	1
Pesticides Aldrin	P002	0.03 µg/l	1,076	0	< 0.001	< 0.003	0
Pesticides Atrazine	P004	0.1 µg/l	912	0	< 0.01	< 0.01	0
Pesticides Carbenazim	P150	0.1 µg/l	979	0	< 0.002	< 0.01	0
Pesticides Chlortoluron	P014	0.1 µg/l	969	0	< 0.002	< 0.01	0
Pesticides Clopyralid	P018	0.1 µg/l	24	0	< 0.01	0.05	0
Pesticides Cyanazine	P092	0.1 µg/l	969	0	< 0.004	< 0.01	0
Pesticides Diazinon	P024	0.1 µg/l	838	0	< 0.01	< 0.01	0
Pesticides Dicamba	P025	0.1 µg/l	807	0	< 0.006	< 0.01	0
Pesticides Dichlorprop	P026	0.1 µg/l	812	0	< 0.005	< 0.01	0
Pesticides Dieldrin	P028	0.03 µg/l	1,026	0	< 0.002	< 0.003	0
Pesticides Diuron	P032	0.1 µg/l	968	0	< 0.002	< 0.01	0
Pesticides Ethofumersate	P221	0.1 µg/l	801	0	< 0.01	< 0.01	0
Pesticides Gamma-HCH (Lindane)	P041	0.1 µg/l	834	0	< 0.006	< 0.01	0
Pesticides Heptachlor	P043	0.03 µg/l	999	1	< 0.0004	< 0.002	1
Pesticides Heptachlor epoxide	P044	0.03 µg/l	1,006	0	< 0.002	< 0.003	0
Pesticides Ioxynil	P049	0.1 µg/l	822	0	< 0.01	< 0.015	0
Pesticides Isoproturon	P048	0.1 µg/l	967	0	< 0.003	< 0.01	0
Pesticides Linuron	P051	0.1 µg/l	967	0	< 0.002	< 0.01	0

Pesticides MCPA	P054	0.1 µg/l	812	0	< 0.01	0.02	0
Pesticides MCPP(Mecoprop)	P053	0.1 µg/l	820	0	< 0.01	0.018	0
Pesticides Phenmedipham	P224	0.1 µg/l	105	0	< 0.01	< 0.01	0
Pesticides Propetamphos	P069	0.1 µg/l	922	0	< 0.01	< 0.01	0
Pesticides Simazine	P073	0.1 µg/l	851	0	< 0.003	< 0.01	0
Pesticides Trichlopyr	P131	0.1 µg/l	809	0	< 0.01	< 0.016	0
Pesticides Triforine	P225	0.1 µg/l	967	0	< 0.004	< 0.01	0
Totals:			30,163	3			

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 (Indicator)	D002A	250 mg Cl/l	747	0	5.647	116.52
Gross Alpha Activity	F004	0.1 Bq/l	695	0	< 0.012	0.053
Gross Beta Activity	F005	1 Bq/l	695	0	0.042	0.28
Sulphate (Indicator)	A007	250 mg SO ₄ /l	796	0	2.922	137
Total organic carbon (indicator)	A017	No abnormal change	793	N/A	0.249	2.592
Tritium (Indicator)	F006	100 Bq/l	91	0	< 4	< 4
Totals:			3,817	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 with failures
1,2 Dichloroethane	F001	3 µg/l	10	0	< 0.075	< 0.075	0
Antimony	B008A	5 µg Sb/l	2,148	0	< 0.03	0.29	0
Arsenic	B001A	10 µg As/l	2,141	0	0.12	2.192	0
Benzene	F002	1 µg/l	10	0	< 0.031	< 0.031	0
Benzo (a) Pyrene	D007	0.01 µg/l	2,402	4	< 0.001	< 0.002	4
Boron	D005A	1 mg B/l	9	0	< 0.002	0.014	0
Bromate	F003	10 µg BrO ₃ /l	2,187	3	< 0.47	4.947	3
Cadmium	B002	5 µg Cd/l	2,146	0	< 0.02	0.085	0
Chromium	B004	50 µg Cr/l	2,146	0	< 0.16	2.137	0
Copper	A024A	2 mg Cu/l	2,173	0	0.001	0.214	0
Cyanide	B003	50 µg CN/l	10	0	< 0.54	< 0.698	0
E Coli	C002	0 number/100 ml	18,091	3	0	0	3
Enterococci	C003	0 number/100 ml	2,152	4	0	0	4
Fluoride	A027	1.5 mg F/l	2,133	0	< 0.03	0.877	0
Lead	B007A	25 µg Pb/l	2,185	13	< 0.12	11.214	13
Mercury	B005	1 µg Hg/l	12	0	< 0.012	0.076	0
Nickel	B006A	20 µg Ni/l	2,180	4	< 0.26	5.619	4
Nitrate	A012	50 mg NO ₃ /l	7,312	0	0.62	23.152	0
Nitrate/Nitrite Formula	A013C	1 mg NO ₂ /l	7,312	0	0.013	0.457	0
Nitrite (Consumers tap)	A013A	0.5 mg NO ₂ /l	7,315	1	< 0.003	< 0.005	1
Pesticides - Total Substances	B010	0.5 µg/l	41	0	0	0.038	0
Pesticides 2,4,5-T	P076	0.1 µg/l	12	0	< 0.01	< 0.015	0
Pesticides 2,4,-Db	P082	0.1 µg/l	12	0	< 0.01	< 0.014	0
Pesticides 2,4-D	P020	0.1 µg/l	12	0	< 0.009	< 0.01	0
Pesticides Aldrin	P002	0.03 µg/l	22	0	0.001	< 0.003	0
Pesticides Atrazine	P004	0.1 µg/l	22	0	< 0.01	< 0.01	0
Pesticides Carbendazim	P150	0.1 µg/l	15	0	< 0.002	< 0.01	0
Pesticides Chlortoluron	P014	0.1 µg/l	14	0	< 0.002	< 0.01	0
Pesticides Clopyralid	P018	0.1 µg/l	1	0	0.04	0.04	0
Pesticides Cyanazine	P092	0.1 µg/l	12	0	< 0.004	< 0.01	0
Pesticides Diazinon	P024	0.1 µg/l	16	0	< 0.01	< 0.01	0
Pesticides Dicamba	P025	0.1 µg/l	12	0	< 0.006	< 0.01	0
Pesticides Dichlorprop	P026	0.1 µg/l	12	0	< 0.005	< 0.01	0
Pesticides Dieldrin	P028	0.03 µg/l	19	0	< 0.002	< 0.003	0

Pesticides Diuron	P032	0.1 µg/l	14	0	< 0.002	< 0.01	0
Pesticides Ethofumersate	P221	0.1 µg/l	11	0	< 0.01	< 0.01	0
Pesticides Gamma-HCH (Lindane)	P041	0.1 µg/l	15	0	< 0.006	< 0.01	0
Pesticides Heptachlor	P043	0.03 µg/l	22	0	< 0.0004	< 0.002	0
Pesticides Heptachlor epoxide	P044	0.03 µg/l	20	0	< 0.002	< 0.003	0
Pesticides Ioxynil	P049	0.1 µg/l	12	0	< 0.01	< 0.015	0
Pesticides Isoproturon	P048	0.1 µg/l	14	0	< 0.003	< 0.01	0
Pesticides Linuron	P051	0.1 µg/l	14	0	< 0.002	< 0.01	0
Pesticides MCPA	P054	0.1 µg/l	12	0	< 0.006	< 0.01	0
Pesticides MCPP(Mecoprop)	P053	0.1 µg/l	12	0	< 0.01	< 0.01	0
Pesticides Phenmedipham	P224	0.1 µg/l	1	0	< 0.01	< 0.01	0
Pesticides Propetamphos	P069	0.1 µg/l	14	0	< 0.01	< 0.01	0
Pesticides Simazine	P073	0.1 µg/l	14	0	< 0.003	< 0.01	0
Pesticides Trichlopyr	P131	0.1 µg/l	12	0	< 0.01	< 0.016	0
Pesticides Triforine	P225	0.1 µg/l	14	0	< 0.004	< 0.01	0
Polycyclic aromatic hydrocarbons	B011F	0.1 µg/l	2,313	4	0	0.007	4
Selenium	B009	10 µg Se/l	2,143	0	< 0.21	1.316	0
Tetrachloroethene/Trichloroethene - sum of two substances	D009B	10 µg/l	2,127	0	0	0.476	0
Total Trihalomethanes	D011	100 µg/l	2,126	0	1.651	69.66	0
Totals:			73,206	36			

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 with failures
Aluminium	A021	200 µg Al/l	7,263	24	< 2.6	114.36	19
Colour	A001	20 mg/l Pt/Co scale	7,366	3	0.2	2.253	1
Iron	A022	200 µg Fe/l	7,263	40	< 1.3	140.72	36
Manganese	A023	50 µg Mn/l	7,263	12	< 0.2	12	12
Organoleptic Odour	A003	<1 dilution number at 25°C	4,643	12			12
Organoleptic Taste	A004	<1 dilution number at 25°C	4,638	9			9
Sodium	A009	200 mg Na/l	7,251	0	4.05	49.648	0
Tetrachloromethane	D008	3 µg/l	2,137	0	< 0.02	0.06	0
Turbidity	A002	4 nephelometric turbidity units	7,364	1	< 0.04	0.8	1
Totals:			55,188	101			

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 (Indicator)	A014	0.5 mg NH ₄ /l	7,314	0	< 0.023	< 0.033
Chloride (Indicator)	D002A	250 mg Cl/l	9	0	5.01	14
Clostridium Perfringens (Indicator)	C004A	0 number/100 ml	7,239	12	0	0
Coliform Bacteria (Indicator)	C001A	0 number/100 ml	18,091	52	0	0
Colony Counts After 3 Days At 22°C (Indicator)	C007	No abnormal change	7,456	N/A	0	36
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	7,456	N/A	0	20.42
Conductivity (Indicator)	D001	2500 µS/cm	4,009	0	56	723
Gross Alpha Activity	F004	0.1 Bq/l	9	0	< 0.012	0.037
Gross Beta Activity	F005	1 Bq/l	9	0	0.064	0.193
Hydrogen ion (pH)	A006	6.5 - 9.5 pH range	7,390	3	6.69	8.08
Residual Disinfectant - Free	C009	No abnormal change	18,164	N/A	0.03	0.96
Residual Disinfectant - Total	C010	No abnormal change	18,164	N/A	0.07	1.01
Sulphate (Indicator)	A007	250 mg SO ₄ /l	9	0	3.4	35.3
Total organic carbon (indicator)	A017	No abnormal change	9	N/A	0.54	2.27
Totals:			95,328	67		