

Data Summary Tables for United Utilities Water Plc (UU)

These tables contain a summary of results of monitoring undertaken by the water company in 2007 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 2007'.

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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Data Summary (Q) for UNITED UTILITIES WATER PLC

Table UUT 1: Quality of water leaving service treatment works - European Standards

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of works with failures
Nitrite	A013B	0.1 mg NO ₂ /l	817	0	<0.0032	<0.0032	0
TOTAL	-	-	817	0	-	-	-

Table UUT 2: Quality of water leaving service treatment works - National Standards

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of works with failures
Coliform Bacteria	C001	0 number/100 ml	16849	8	0	0	8
Cryptosporidium	C111	Oocyst concentration / 10l	7297	0	-	-	0
<i>E. coli</i>	C002	0 number/100 ml	16849	1	0	0	1
TOTAL	-	-	40995	9	-	-	-

Table UUT 3: Quality of water leaving service treatment works - Additional Monitoring Requirements

Indicator Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	Minimum	Maximum
Colony Counts After 3 Days At 22°C	C007	No abnormal change	16851	N/A	0	4
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	16850	N/A	0	4
Residual Disinfectant - Free	C009	No abnormal change	16862	N/A	0.26	1.56
Residual Disinfectant - Total	C010	No abnormal change	16862	N/A	0.29	1.64
Turbidity	A002A	1 NTU	16831	18	<0.04	0.4
TOTAL	-	-	84256	18	-	-

Table UUT 4: Quality of water leaving service reservoirs - National Standards

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of reservoirs failing standard
Coliform Bacteria	C001	0 number/100 ml	19883	26	0	0	0
<i>E. coli</i>	C002	0 number/100 ml	19883	1	0	0	1
TOTAL	-	-	39766	27	-	-	-

Table UUT 5: Quality of water leaving service reservoirs - Additional Monitoring Requirements

Indicator Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	Minimum	Maximum
Colony Counts After 3 Days At 22°C	C007	No abnormal change	19880	N/A	0	15
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	19879	N/A	0	4
Residual Disinfectant - Free	C009	No abnormal change	19931	N/A	0.04	1.23
Residual Disinfectant - Total	C010	No abnormal change	19931	N/A	0.1	1.29
TOTAL	-	-	79621	0	-	-

Table UUT 6: Quality of water leaving bulk supply points - European Standards

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	Failures by supply point
1,2 Dichloroethane	F001	3 µg/l	781	0	<0.0409	0.0618	0
Benzene	F002	1 µg/l	772	0	<0.0139	<0.0337	0
Boron	D005A	1 mg B/l	805	0	<0.0021	0.0819	0
Cyanide	B003	50 µg CN/l	798	0	<0.54	1.2106	0
Mercury	B005	1 µg Hg/l	800	0	<0.01	0.11	0
Pesticides (2,4,5-T)	P076	0.1 µg/l	842	0	<0.01	<0.01	0
Pesticides (2,4,-Db)	P082	0.1 µg/l	844	0	<0.01	<0.01	0
Pesticides (2,4-D)	P020	0.1 µg/l	843	0	<0.01	<0.01	0
Pesticides (Aldrin)	P002	0.03 µg/l	892	0	<0.001	<0.0014	0
Pesticides (Atrazine)	P004	0.1 µg/l	1336	0	<0.01	<0.01	0
Pesticides (Bromoxynil)	P008	0.1 µg/l	834	0	<0.01	<0.01	0
Pesticides (Carbendazim)	P150	0.1 µg/l	923	0	<0.01	<0.01	0
Pesticides (Carbofuran)	P087	0.1 µg/l	1045	0	<0.01	<0.01	0
Pesticides (Chlortoluron)	P014	0.1 µg/l	1143	0	<0.01	<0.01	0
Pesticides (Cyanazine)	P092	0.1 µg/l	1067	0	<0.01	<0.01	0
Pesticides (Diazinon)	P024	0.1 µg/l	1460	0	<0.01	<0.01	0
Pesticides (Dicamba)	P025	0.1 µg/l	832	0	<0.01	<0.01	0
Pesticides (Dichlorprop)	P026	0.1 µg/l	844	0	<0.01	<0.01	0
Pesticides (Dieldrin)	P028	0.03 µg/l	890	0	<0.002	<0.0024	0
Pesticides (Diuron)	P032	0.1 µg/l	1021	0	<0.01	<0.01	0
Pesticides (Ethofumersate)	P221	0.1 µg/l	1020	0	<0.01	<0.01	0
Pesticides (Gamma-HCH (Lindane))	P041	0.1 µg/l	870	0	<0.006	<0.01	0
Pesticides (Heptachlor)	P043	0.03 µg/l	900	0	<0.0004	<0.001	0
Pesticides (Heptachlor epoxide)	P044	0.03 µg/l	892	0	<0.002	<0.0026	0
Pesticides (Ioxynil)	P049	0.1 µg/l	804	0	<0.01	<0.01	0
Pesticides (Isoproturon)	P048	0.1 µg/l	896	1	<0.01	0.02	1
Pesticides (Linuron)	P051	0.1 µg/l	1028	0	<0.01	<0.01	0
Pesticides (MCPA)	P054	0.1 µg/l	833	3	<0.01	0.0366	1
Pesticides (MCPP(Mecoprop))	P053	0.1 µg/l	836	0	<0.01	0.02	0
Pesticides (Metazachlor)	P203	0.1 µg/l	1034	0	<0.01	<0.01	0
Pesticides (Methiocarb)	P056	0.1 µg/l	937	0	<0.01	<0.01	0
Pesticides (Phenmedipham)	P224	0.1 µg/l	945	0	<0.01	<0.01	0
Pesticides (Propetamphos)	P069	0.1 µg/l	1363	0	<0.01	<0.01	0
Pesticides (Propyzamide)	P071	0.1 µg/l	1167	0	<0.01	<0.01	0
Pesticides (Simazine)	P073	0.1 µg/l	1127	0	<0.0029	<0.0154	0

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	Failures by supply point
Pesticides (Trichlopyr)	P131	0.1 µg/l	844	0	<0.01	<0.01	0
Pesticides (Triforine)	P225	0.1 µg/l	790	0	<0.01	<0.01	0
Pesticides - Total Substances	B010	0.5 µg/l	2822	0	0	0.020154	0
TOTAL	-	-	37880	4	-	-	-

Table UUT 7: Quality of water leaving bulk supply points - Additional Monitoring Requirements

Indicator Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	Minimum	Maximum
Chloride	D002A	250 mg Cl/l	727	0	6.32	104.44
Radioactivity - Gross Alpha	F004	0.1 Bq/l	784	0	<0.012	0.0643
Radioactivity - Gross Beta	F005	1 Bq/l	783	0	0.029	0.27248
Radioactivity - Tritium	F006	100 Bq/l	27	0	<4	6.3
Sulphate	A007	250 mg SO ₄ /l	814	0	2.612	134.55
Total Organic Carbon (TOC)	A017	No abnormal change	815	N/A	<0.24	4.4192
TOTAL	-	-	3950	0	-	-

Table UUT 8: Quality of water at consumer's tap (zones) - European Standards

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of zones with failures
1,2 Dichloroethane	F001	3 µg/l	7	0	<0.0409	<0.0409	0
Antimony	B008A	5 µg Sb/l	2259	0	0.04	0.334	0
Arsenic	B001A	10 µg As/l	2256	0	<0.12	2.0686	0
Benzene	F002	1 µg/l	7	0	<0.0139	<0.0337	0
Benzo (a) Pyrene	D007	0.01 µg/l	2403	9	<0.001	0.003	9
Boron	D005A	1 mg B/l	6	0	0.0056	0.0125	0
Bromate	F003	10 µg BrO ₃ /l	2177	2	<0.47	5.2866	2
Cadmium	B002	5 µg Cd/l	2256	0	<0.01	0.1143	0
Chromium	B004	50 µg Cr/l	2257	1	<0.06	3.0242	1
Copper	A024A	2 mg Cu/l	2149	0	0.0007	0.248	0
Cyanide	B003	50 µg CN/l	6	0	<0.54	0.62	0
<i>E. coli</i>	C002	0 number/100 ml	18583	3	0	0	3
Enterococci	C003	0 number/100 ml	2125	3	0	0	3
Fluoride	A027	1.5 mg F/l	2216	0	<0.01	0.8683	0
Lead	B007A	25 µg Pb/l	2157	9	<0.12	14.252	8
Mercury	B005	1 µg Hg/l	6	0	<0.032	0.082	0
Nickel	B006A	20 µg Ni/l	2149	5	<0.16	6.265	5
Nitrate	A012	50 mg NO ₃ /l	7284	0	0.709	24.415	0
Nitrite	A013A	0.5 mg NO ₂ /l	7286	0	<0.0032	<0.0032	0
Nitrate/Nitrite Formula	A013C	1 mg NO ₂ /l	7277	0	0.014	0.48788	0
Polycyclic aromatic hydrocarbons (PAHs)	B011F	0.1 µg/l	2224	3	0	0.02375	3
Selenium	B009	10 µg Se/l	2252	0	0.14	1.3847	0
Tetrachloroethene/Trichloroethene	D009B	10 µg/l	2135	0	0	0.466	0
Trihalomethanes (THMs)	D011	100 µg/l	2135	0	1.3384	73.728	0
Pesticides (2,4,5-T)	P076	0.1 µg/l	8	0	<0.01	<0.01	0
Pesticides (2,4,-Db)	P082	0.1 µg/l	9	0	<0.01	<0.01	0
Pesticides (2,4-D)	P020	0.1 µg/l	9	0	<0.01	<0.01	0
Pesticides (Aldrin)	P002	0.03 µg/l	10	0	<0.001	<0.0014	0
Pesticides (Atrazine)	P004	0.1 µg/l	19	0	<0.01	<0.01	0
Pesticides (Bromoxynil)	P008	0.1 µg/l	9	0	<0.01	<0.01	0
Pesticides (Carbendazim)	P150	0.1 µg/l	7	0	<0.01	<0.01	0
Pesticides (Carbofuran)	P087	0.1 µg/l	7	0	<0.01	<0.01	0
Pesticides (Chlortoluron)	P014	0.1 µg/l	9	0	<0.01	<0.01	0
Pesticides (Cyanazine)	P092	0.1 µg/l	6	0	<0.01	<0.01	0
Pesticides (Diazinon)	P024	0.1 µg/l	20	0	<0.01	0.02	0
Pesticides (Dicamba)	P025	0.1 µg/l	9	0	<0.01	<0.01	0
Pesticides (Dichlorprop)	P026	0.1 µg/l	9	0	<0.01	<0.01	0

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of zones with failures
Pesticides (Dieldrin)	P028	0.03 µg/l	9	0	<0.002	<0.0024	0
Pesticides (Diuron)	P032	0.1 µg/l	8	0	<0.01	<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	9	0	<0.006	<0.01	0
Pesticides (Heptachlor)	P043	0.03 µg/l	9	0	<0.0004	<0.001	0
Pesticides (Heptachlor epoxide)	P044	0.03 µg/l	9	0	<0.002	<0.0026	0
Pesticides (loxynil)	P049	0.1 µg/l	8	0	<0.01	<0.01	0
Pesticides (Isoproturon)	P048	0.1 µg/l	8	0	<0.01	<0.01	0
Pesticides (Linuron)	P051	0.1 µg/l	8	0	<0.01	<0.01	0
Pesticides (MCPA)	P054	0.1 µg/l	9	0	<0.01	<0.01	0
Pesticides (MCP (Mecoprop))	P053	0.1 µg/l	9	0	<0.01	<0.01	0
Pesticides (Metazachlor)	P203	0.1 µg/l	4	0	<0.01	<0.01	0
Pesticides (Methiocarb)	P056	0.1 µg/l	5	0	<0.01	<0.01	0
Pesticides (Phenmedipham)	P224	0.1 µg/l	8	0	<0.01	<0.01	0
Pesticides (Propetamphos)	P069	0.1 µg/l	15	0	<0.01	<0.01	0
Pesticides (Propyzamide)	P071	0.1 µg/l	14	0	<0.01	<0.01	0
Pesticides (Simazine)	P073	0.1 µg/l	13	0	<0.0029	<0.0154	0
Pesticides (Trichlopyr)	P131	0.1 µg/l	9	0	<0.01	<0.01	0
Pesticides (Triforine)	P225	0.1 µg/l	7	0	<0.01	<0.01	0
Pesticides - Total Substances	B010	0.5 µg/l	31	0	0	0.0192	0
TOTAL	-	-	73946	35	-	-	-

Table UUT 9: Quality of water at consumer's tap (zones) - National Standards

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of zones with failures
Aluminium	A021	200 µg Al/l	7265	11	<2.6	80.404	11
Colour	A001	20 mg/l Pt/Co scale	7398	0	0.3	2.6	0
Hydrogen ion (pH)	A006	6.5 -10 pH value	7350	0	6.72	8.1849	0
Iron	A022	200 µg Fe/l	7266	31	<1.3	145.33	28
Manganese	A023	50 µg Mn/l	7267	14	<0.2	12.132	13
Organoleptic Odour	A003	Dilution no. 3 at 25°C	5061	2	0	0	2
Organoleptic Taste	A004	Dilution no. 3 at 25°C	5054	2	0	0	2
Sodium	A009	200 mg Na/l	7261	0	4.2486	51	0
Tetrachloromethane	D008	3 µg/l	2140	0	0.04	0.0959	0
Turbidity	A002	4 NTUs	7381	4	<0.04	0.5318	4
TOTAL	-	-	63443	64	-	-	-

Table UUT 10: Quality of water at consumer's tap (zones) - Additional Monitoring Requirements

Indicator Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	Minimum	Maximum
Ammonium	A014	0.5 mg NH ₄ /l	7284	0	0.007505	0.0257
Chloride	D002A	250 mg Cl/l	4	0	6.52	22.9
<i>Clostridium perfringens</i>	C004A	0 number/100 ml	7206	3	0	0
Coliform Bacteria	C001A	0 number/100 ml	18579	54	0	0
Colony Counts After 3 Days At 22°C	C007	No abnormal change	7457	N/A	0	25
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	7456	N/A	0	14
Conductivity	D001	2500 µS/cm	4025	0	56	723.48
Hydrogen ion (pH)	A006A	9.5 pH Value	7350	1	6.72	8.1849
Radioactivity - Gross Alpha	F004	0.1 Bq/l	4	0	<0.012	0.039
Radioactivity - Gross Beta	F005	1 Bq/l	4	0	0.035	0.158
Residual Disinfectant - Free	C009	No abnormal change	18658	N/A	0.02	0.94
Residual Disinfectant - Total	C010	No abnormal change	18658	N/A	0.07	1.01
Sulphate	A007	250 mg SO ₄ /l	4	0	33.3	35.7
Total Organic Carbon (TOC)	A017	No abnormal change	6	0	1	1.75
TOTAL	-	-	96695	58	-	-