

Data Summary Tables for Anglian Water (ANG)

These tables represent a summary of test results from water samples taken by the water company in 2005 and submitted to the Drinking Water Inspectorate.

These tables are published annually by the Inspectorate as part of the Chief Inspector's Report. They are available on the Inspectorate's website at www.dwi.gov.uk

Notes relating to the interpretation of the tables : -

Columns on the following tables that are headed "Maximum" and "Minimum" contain figures for the 1 percentile and 99 percentile sample results 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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Table ANG 1: Quality of water leaving service treatment works - European Standards

Number of treatment works = 144

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of works with failures
Nitrite	0.1 mg NO ₂ /l	1911	0	<0.003	0.008	0
TOTAL	-	1911	0	-	-	-

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

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of works with failures
Coliform Bacteria	0 number/100 ml	10400	2	0	0	2
Cryptosporidium	Oocyst concentration / 10 l	1562	0	<0.006	<0.01	0
<i>E. coli</i>	0 number/100 ml	10400	0	0	0	0
TOTAL	-	22362	2	-	-	-

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

Indicator Parameter	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	Minimum	Maximum
Colony Counts After 3 Days At 22°C	No abnormal change	10396	0	0	12
Colony Counts After 48 Hours At 37°C	No abnormal change	10398	0	0	8
Residual Disinfectant - Total	No abnormal change	10554	0	0.24	1.44
Turbidity	1 NTU	20279	9	0.04	0.254
TOTAL	-	51627	9	-	-

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

Number of service reservoirs = 382

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of reservoirs failing standard
Coliform Bacteria	0 number/100 ml	20269	11	0	0	0*
<i>E. coli</i>	0 number/100 ml	20270	0	0	0	0
TOTAL	-	40539	11	-	-	-

* RHRR2 HEATH & REACH RESERVOIR 2, RING1 INGHAM RESERVOIR, RSTE3 STENIGOT RESERVOIR 2, RTL1 THORPELODGE RES 1 breach(es) regulation 14 for an unjustified sampling shortfall

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

Indicator Parameter	Prescribed Concentration or Value	Total number of tests	Minimum	Maximum
Colony Counts After 3 Days At 22°C	No abnormal change	20269	0	316
Colony Counts After 48 Hours At 37°C	No abnormal change	20266	0	186
Residual Disinfectant - Total	No abnormal change	20278	0.1	0.91
TOTAL	-	60813	-	-

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

Number of supply points = 129

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	Failures by supply point
1,2 Dichloroethane	3 µg/l	1077	0	<0.024	<0.024	0
Antimony	5 µg Sb/l	1080	0	<0.29	1.674	0
Arsenic	10 µg As/l	1064	0	<0.34	4.109	0
Benzene	1 µg/l	1077	0	<0.048	<0.048	0
Boron	1 mg B/l	1080	0	<0.068	0.213	0
Bromate	10 µg BrO ₃ /l	936	0	<0.5	3.963	0
Cadmium	5 µg Cd/l	1080	0	<0.39	<0.39	0
Cyanide	50 µg CN/l	1085	0	<1	6.928	0
Fluoride	1.5 mg F/l	1081	0	0.07564	1.098	0
Mercury	1 µg Hg/l	1082	0	<0.035	0.053	0
Selenium	10 µg Se/l	1072	0	<0.54	5.32	0
Tetrachloroethene/Trichloroethene	10 µg/l	1077	0	0	1.274	0
Trihalomethanes (THMs)	100 µg/l	708	0	0	18.073	0
Pesticides (Aldrin)	0.03 µg/l	26	0	<0.009	<0.009	0
Pesticides (Atrazine)	0.1 µg/l	1090	0	<0.01	0.031	0
Pesticides (Bentazone)	0.1 µg/l	1094	0	<0.01	<0.01	0
Pesticides (Bromacil)	0.1 µg/l	1094	0	<0.01	<0.01	0
Pesticides (Chlortoluron)	0.1 µg/l	1090	0	<0.01	<0.02	0
Pesticides (Dichlorprop)	0.1 µg/l	1094	0	<0.01	<0.01	0
Pesticides (Dieldrin)	0.03 µg/l	26	0	<0.004	<0.004	0
Pesticides (Diuron)	0.1 µg/l	1090	0	<0.01	<0.02	0
Pesticides (Heptachlor)	0.03 µg/l	26	0	<0.004	<0.004	0
Pesticides (Heptachlor epoxide)	0.03 µg/l	26	0	<0.007	<0.007	0
Pesticides (Isoproturon)	0.1 µg/l	1090	0	<0.01	0.041	0
Pesticides (Linuron)	0.1 µg/l	1090	0	<0.01	<0.02	0
Pesticides (MCPA)	0.1 µg/l	1094	0	<0.01	<0.01	0
Pesticides (MCPP(Mecoprop))	0.1 µg/l	1094	0	<0.01	0.02	0
Pesticides (Monuron)	0.1 µg/l	1090	0	<0.01	<0.02	0
Pesticides (Prometryn)	0.1 µg/l	1090	0	<0.01	<0.02	0
Pesticides (Propazine)	0.1 µg/l	1090	0	<0.01	<0.02	0
Pesticides (Simazine)	0.1 µg/l	1090	0	<0.01	0.03	0
Pesticides (Terbutryn)	0.1 µg/l	1090	0	<0.01	<0.02	0
Pesticides (Trietazine)	0.1 µg/l	1090	9	<0.01	0.02	1
Pesticides - Total Substances	0.5 µg/l	1101	0	0	0.089	0
TOTAL	-	32164	9	-	-	-

Table ANG 7: Quality of water leaving bulk supply points - National Standards

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	Failures by supply point
Tetrachloromethane	3 µg/l	1077	0	<0.042	0.424	0
TOTAL	-	1077	0	-	-	-

Table ANG 8: Quality of water leaving bulk supply points - Additional Monitoring Requirements

Indicator Parameter	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	Minimum	Maximum
Chloride	250 mg Cl/l	1078	0	14.348	116.63
<i>Clostridium perfringens</i>	0 number/100 ml	3041	0	0	0
Conductivity	2500 µS/cm	6445	0	362.46	933.54
Sulphate	250 mg SO ₄ /l	1080	7	10.481	218.95
Total Organic Carbon (TOC)	No abnormal change	1084	0	0.5	3.85
TOTAL	-	12728	7	-	-

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

Number of zones = 161

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of zones with failures
1,2 Dichloroethane	3 µg/l	20	0	<0.024	<0.024	0
Antimony	5 µg Sb/l	20	0	<0.29	0.83	0
Arsenic	10 µg As/l	28	0	<0.34	4.54	0
Benzene	1 µg/l	20	0	<0.048	<0.048	0
Benzo (a) Pyrene	0.01 µg/l	1346	0	<0.001	<0.001	0
Boron	1 mg B/l	20	0	<0.068	0.16	0
Bromate	10 µg BrO ₃ /l	357	0	<0.5	5.684	0
Cadmium	5 µg Cd/l	20	0	<0.39	<0.39	0
Chromium	50 µg Cr/l	1330	0	<0.76	2.347	0
Copper	2 mg Cu/l	1322	1	<0.009	0.557	1
Cyanide	50 µg CN/l	21	0	<1	<5.3	0
<i>E. coli</i>	0 number/100 ml	11924	0	0	0	0
Enterococci	0 number/100 ml	1332	0	0	0	0
Fluoride	1.5 mg F/l	27	0	0.044	0.351	0
Lead	25 µg Pb/l	1323	3	<0.123	9.829	3
Mercury	1 µg Hg/l	21	0	<0.035	0.106	0
Nickel	20 µg Ni/l	1378	37	<0.4	31.642	3
Nitrate	50 mg NO ₃ /l	2837	0	0.52966	44.9	0
Nitrite	0.5 mg NO ₂ /l	2849	0	<0.003	0.329	0
Nitrate/Nitrite Formula	≤ 1	2850	0	0.01	0.911	0
Polycyclic aromatic hydrocarbons (PAHs)	0.1 µg/l	1346	0	0	0.007	0
Selenium	10 µg Se/l	39	0	<0.54	4.84	0
Tetrachloroethene/Trichloroethene	10 µg/l	20	0	0	0	0
Trihalomethanes (THMs)	100 µg/l	731	0	0	57.136	0
Pesticides (Atrazine)	0.1 µg/l	20	0	<0.01	0.03	0
Pesticides (Bentazone)	0.1 µg/l	20	0	<0.01	<0.01	0
Pesticides (Bromacil)	0.1 µg/l	20	0	<0.01	<0.01	0
Pesticides (Chlortoluron)	0.1 µg/l	20	0	<0.01	<0.01	0
Pesticides (Dichlorprop)	0.1 µg/l	20	0	<0.01	<0.01	0
Pesticides (Diuron)	0.1 µg/l	20	0	<0.01	<0.01	0
Pesticides (Isoproturon)	0.1 µg/l	20	0	<0.01	<0.01	0
Pesticides (Linuron)	0.1 µg/l	20	0	<0.01	<0.01	0
Pesticides (MCPA)	0.1 µg/l	20	0	<0.01	<0.01	0
Pesticides (MCPP(Mecoprop))	0.1 µg/l	20	0	<0.01	0.01	0
Pesticides (Monuron)	0.1 µg/l	20	0	<0.01	<0.01	0

Pesticides (Prometryn)	0.1 µg/l	20	0	<0.01	<0.01	0
Pesticides (Propazine)	0.1 µg/l	20	0	<0.01	<0.01	0
Pesticides (Simazine)	0.1 µg/l	20	0	<0.01	0.02	0
Pesticides (Terbutryn)	0.1 µg/l	20	0	<0.01	<0.01	0
Pesticides (Trietazine)	0.1 µg/l	20	0	<0.01	<0.01	0
Pesticides - Total Substances	0.5 µg/l	20	0	0	0.03	0
TOTAL	-	31521	41	-	-	-

Table ANG 10: Quality of water at consumer's tap (zones) - National Standards

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of zones with failures
Aluminium	200 µg Al/l	2729	0	<11	11.92	0
Colour	20 mg/l Pt/Co scale	2521	0	<0.34	1.9	0
Hydrogen ion (pH)	6.5 - 10 pH value	2593	0	7.1094	7.93	0
Iron	200 µg Fe/l	3174	9	<7	142	9
Manganese	50 µg Mn/l	2627	0	<1	10.988	0
Organoleptic Odour	Dilution No. 3 at 25°C	2668	0	0	0	0
Organoleptic Taste	Dilution No. 3 at 25°C	2548	0	0	0	0
Sodium	200 mg Na/l	1331	1	8.6464	90.472	1
Tetrachloromethane	3 µg/l	20	0	<0.042	<0.042	0
Turbidity	4 NTU	2765	1	0.04	0.671	1
TOTAL	-	22976	11	-	-	-

Table ANG 11: Quality of water at consumer's tap (zones) - Additional Monitoring Requirements

Indicator Parameter	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	Minimum	Maximum
Ammonium	0.5 mg NH ₄ /l	3029	0	<0.003	0.2477
Chloride	250 mg Cl/l	21	0	11.6	80.3
<i>Clostridium perfringens</i>	0 number/100 ml	1352	0	0	0
Coliform Bacteria	0 number/100 ml	11924	18	0	0
Colony Counts After 3 Days At 22°C	No abnormal change	11919	0	0	65
Colony Counts After 48 Hours At 37°C	No abnormal change	11920	0	0	63
Conductivity	2500 µS/cm	21	0	277	688
Hydrogen ion (pH)	9.5 pH Value	2593	0	7.1094	7.93

Residual Disinfectant - Total	No abnormal change	11933	0	0.06	0.95
Sulphate	250 mg SO ₄ /l	21	0	12	80.7
Total Organic Carbon (TOC)	No abnormal change	19	0	0.52	4.84
TOTAL	-	54752	18	-	-