

Data Summary Tables for Anglian Water Services Limited (ANG)

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.

Published June 26th 2008
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Data Summary (Q) for ANGLIAN WATER SERVICES LTD

Table ANG 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	2087	0	<0.003	0.01	0
TOTAL	-	-	2087	0	-	-	-

Table ANG 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	13654	6	0	0	6
Cryptosporidium	C111	Oocyst concentration / 10l	1691	0	0	0	0
<i>E. coli</i>	C002	0 number/100 ml	13654	1	0	0	1
TOTAL	-	-	28999	7	-	-	-

Table ANG 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	13652	N/A	0	16
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	13647	N/A	0	11
Residual Disinfectant - Total	C010	No abnormal change	13742	N/A	0.27	1.5157
Turbidity	A002A	1 NTU	10430	5	0.03	0.28
TOTAL	-	-	51471	5	-	-

Table ANG 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	20218	12	0	0	1*
<i>E. coli</i>	C002	0 number/100 ml	20218	2	0	0	2
TOTAL	-	-	40436	14	-	-	-

*RBXSD, 3 failures

Table ANG 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	20214	N/A	0	200
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	20212	N/A	0	136
Residual Disinfectant - Total	C010	No abnormal change	20233	N/A	0.09	0.93
TOTAL	-	-	60659	0	-	-

Table ANG 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	1130	0	<0.024	<0.024	0
Antimony	B008A	5 µg Sb/l	1161	0	<0.29	0.9176	0
Arsenic	B001A	10 µg As/l	1161	0	<0.34	3.6738	0
Benzene	F002	1 µg/l	1130	0	<0.048	<0.048	0
Boron	D005A	1 mg B/l	1161	0	<0.068	0.21764	0
Bromate	F003	10 µg BrO ₃ /l	1076	0	<0.5	1.923	0
Cadmium	B002	5 µg Cd/l	1161	0	<0.39	<0.39	0
Cyanide	B003	50 µg CN/l	1159	0	<0.03	2.286	0
Fluoride	A027	1.5 mg F/l	1150	0	0.07251	1.12994	0
Mercury	B005	1 µg Hg/l	1160	0	<0.035	<0.035	0
Selenium	B009	10 µg Se/l	1161	1	<0.54	4.64	1
Tetrachloroethene/Trichloroethene	D009B	10 µg/l	1130	0	0	1.2307	0
Trihalomethanes (THMs)	D011	100 µg/l	737	0	0	17.934	0
Pesticides (2,4-D)	P020	0.1 µg/l	166	0	<0.00267	0.01165	0
Pesticides (Aldrin)	P002	0.03 µg/l	20	0	<0.001	<0.009	0
Pesticides (Atrazine)	P004	0.1 µg/l	1142	0	<0.004	0.02957	0
Pesticides (Benazolin)	P138	0.1 µg/l	33	0	<0.002	<0.01	0
Pesticides (Bentazone)	P006	0.1 µg/l	544	0	<0.002	0.0329	0
Pesticides (Bromacil)	P086	0.1 µg/l	544	0	<0.003	0.008	0
Pesticides (Carbetamide)	P010	0.1 µg/l	162	0	<0.004	0.03674	0
Pesticides (Chlortoluron)	P014	0.1 µg/l	1142	0	<0.003	0.009	0
Pesticides (Cyanazine)	P092	0.1 µg/l	171	0	<0.004	0.01328	0
Pesticides (Dichlorprop)	P026	0.1 µg/l	544	0	<0.003	<0.003	0
Pesticides (Dieldrin)	P028	0.03 µg/l	20	0	<0.002	<0.004	0
Pesticides (Diuron)	P032	0.1 µg/l	1142	0	<0.003	0.007	0
Pesticides (Fluroxypyr)	P040	0.1 µg/l	13	0	<0.002	<0.01	0
Pesticides (Heptachlor)	P043	0.03 µg/l	20	0	<0.001	<0.004	0
Pesticides (Heptachlor epoxide)	P044	0.03 µg/l	20	0	<0.002	<0.007	0
Pesticides (Isoproturon)	P048	0.1 µg/l	1142	0	<0.002	<0.03	0
Pesticides (Linuron)	P051	0.1 µg/l	1142	0	<0.002	<0.003	0
Pesticides (MCPA)	P054	0.1 µg/l	544	0	<0.003	<0.006	0
Pesticides (MCPP(Mecoprop))	P053	0.1 µg/l	544	0	<0.004	0.02755	0
Pesticides (Monuron)	P113	0.1 µg/l	1142	0	<0.003	0.006	0
Pesticides (Prometryn)	P070	0.1 µg/l	1142	0	<0.002	<0.003	0
Pesticides (Propazine)	P066	0.1 µg/l	1142	0	<0.002	<0.003	0
Pesticides (Propyzamide)	P071	0.1 µg/l	177	0	<0.00278	0.08886	0
Pesticides (Simazine)	P073	0.1 µg/l	1142	0	<0.004	0.037	0

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	Failures by supply point
Pesticides (Terbutylazine)	P173	0.1 µg/l	12	0	<0.003	0.006	0
Pesticides (Terbutryn)	P077	0.1 µg/l	1142	0	<0.002	<0.003	0
Pesticides (Trietazine)	P132	0.1 µg/l	1143	0	<0.002	0.02256	0
Pesticides - Total Substances	B010	0.5 µg/l	1163	0	0	0.09636	0
TOTAL	-	-	31737	1	-	-	-

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

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	Failures by supply point
Tetrachloromethane	D008	3 µg/l	1130	0	<0.042	0.44691	0
TOTAL	-	-	1130	0	-	-	-

Table ANG 8: 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	1161	0	17.1	123.38
<i>Clostridium perfringens</i>	C004A	0 number/100 ml	2764	1	0	0
Conductivity	D001	2500 µS/cm	3613	0	362.14	931.86
Radioactivity - Gross Alpha	F004	0.1 Bq/l	1187	38	<0.05	0.13
Radioactivity - Gross Beta	F005	1 Bq/l	1187	0	0.0888	0.59
Radioactivity - Total Indicative Dose	F007	0.1 mSv/year	37	0	0.001	0.008
Sulphate	A007	250 mg SO ₄ /l	1161	6	10.8	217.9
Total Organic Carbon (TOC)	A017	No abnormal change	1162	N/A	0.53	4.0937
TOTAL	-	-	12268	45	-	-

Table ANG 9: 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	29	0	<0.024	<0.024	0
Antimony	B008A	5 µg Sb/l	29	0	<0.29	0.88	0
Arsenic	B001A	10 µg As/l	29	0	<0.34	4.17	0
Benzene	F002	1 µg/l	29	0	<0.048	<0.048	0
Benzo (a) Pyrene	D007	0.01 µg/l	1363	1	<0.001	<0.001	1
Boron	D005A	1 mg B/l	29	0	<0.068	0.094	0
Bromate	F003	10 µg BrO ₃ /l	282	0	<0.5	2.885	0
Cadmium	B002	5 µg Cd/l	29	0	<0.39	<0.39	0
Chromium	B004	50 µg Cr/l	1398	0	<0.76	3.0601	0
Copper	A024A	2 mg Cu/l	1400	2	<0.009	0.48993	2
Cyanide	B003	50 µg CN/l	30	0	<0.03	<1	0
<i>E. coli</i>	C002	0 number/100 ml	11711	0	0	0	0
Enterococci	C003	0 number/100 ml	1400	0	0	0	0
Fluoride	A027	1.5 mg F/l	46	0	0.042	1.106	0
Lead	B007A	25 µg Pb/l	1403	5	<0.123	11.276	5
Mercury	B005	1 µg Hg/l	34	0	<0.035	0.11	0
Nickel	B006A	20 µg Ni/l	1408	2	<0.44	16	2
Nitrate	A012	50 mg NO ₃ /l	2986	2	0.40674	44.3	1
Nitrite	A013A	0.5 mg NO ₂ /l	2986	0	<0.003	0.28913	0
Nitrate/Nitrite Formula	A013C	1 mg NO ₂ /l	2986	2	0.008	0.886	1
Polycyclic aromatic hydrocarbons (PAHs)	B011F	0.1 µg/l	1363	2	0	0.005	2
Selenium	B009	10 µg Se/l	30	0	<0.54	2.42	0
Tetrachloroethene/Trichloroethene	D009B	10 µg/l	29	0	0	0.26	0
Trihalomethanes (THMs)	D011	100 µg/l	775	0	0	58.996	0
Pesticides (Atrazine)	P004	0.1 µg/l	30	0	<0.004	0.058	0
Pesticides (Bentazone)	P006	0.1 µg/l	30	0	<0.002	0.021	0
Pesticides (Bromacil)	P086	0.1 µg/l	30	0	<0.004	0.004	0
Pesticides (Chlortoluron)	P014	0.1 µg/l	30	0	<0.004	<0.004	0
Pesticides (Dichlorprop)	P026	0.1 µg/l	30	0	<0.003	0.014	0
Pesticides (Diuron)	P032	0.1 µg/l	30	0	<0.004	0.007	0
Pesticides (Isoproturon)	P048	0.1 µg/l	30	0	<0.003	<0.03	0
Pesticides (Linuron)	P051	0.1 µg/l	30	0	<0.002	0.01	0
Pesticides (MCPA)	P054	0.1 µg/l	30	0	<0.003	0.021	0
Pesticides (MCP (Mecoprop))	P053	0.1 µg/l	30	0	<0.004	0.016	0
Pesticides (Monuron)	P113	0.1 µg/l	30	0	<0.003	0.011	0
Pesticides (Prometryn)	P070	0.1 µg/l	30	0	<0.002	0.003	0
Pesticides (Propazine)	P066	0.1 µg/l	30	0	<0.003	<0.003	0

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of zones with failures
Pesticides (Simazine)	P073	0.1 µg/l	30	0	<0.004	0.026	0
Pesticides (Terbutryn)	P077	0.1 µg/l	30	0	<0.002	<0.003	0
Pesticides (Trietazine)	P132	0.1 µg/l	30	0	<0.002	0.003	0
Pesticides - Total Substances	B010	0.5 µg/l	30	0	0	0.073	0
TOTAL	-	-	32314	16	-	-	-

Table ANG 10: 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	2352	0	<11	<11	0
Colour	A001	20 mg/l Pt/Co scale	2550	0	<0.34	2.2	0
Hydrogen ion (pH)	A006	6.5 -10 pH value	2614	0	7.05	7.94	0
Iron	A022	200 µg Fe/l	3973	13	<7	100.78	13
Manganese	A023	50 µg Mn/l	2552	0	<1	9.3	0
Organoleptic Odour	A003	Dilution no. 3 at 25°C	2568	0	0	0	0
Organoleptic Taste	A004	Dilution no. 3 at 25°C	2550	0	0	0	0
Sodium	A009	200 mg Na/l	1395	3	9.1188	90.42	3
Tetrachloromethane	D008	3 µg/l	29	0	<0.042	0.135	0
Turbidity	A002	4 NTUs	2878	3	0.04	0.6221	3
TOTAL	-	-	23461	19	-	-	-

Table ANG 11: 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	3349	0	<0.004	0.232
Chloride	D002A	250 mg Cl/l	31	0	11.4	89.7
<i>Clostridium perfringens</i>	C004A	0 number/100 ml	38	0	0	0
Coliform Bacteria	C001A	0 number/100 ml	11711	32	0	0
Colony Counts After 3 Days At 22°C	C007	No abnormal change	11709	N/A	0	51
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	11707	N/A	0	57
Conductivity	D001	2500 µS/cm	36	0	249	894
Hydrogen ion (pH)	A006A	9.5 pH Value	2614	0	7.05	7.94
Radioactivity - Gross Alpha	F004	0.1 Bq/l	31	1	<0.05	0.13
Radioactivity - Gross Beta	F005	1 Bq/l	31	0	0.09	0.34
Radioactivity - Total Indicative Dose	F007	0.1 mSv/year	1	0	0.008	0.008
Residual Disinfectant - Total	C010	No abnormal change	11734	N/A	0.07	0.98
Sulphate	A007	250 mg SO ₄ /l	31	0	7.97	85.3
Total Organic Carbon (TOC)	A017	No abnormal change	31	N/A	0.39	4.05
TOTAL	-	-	53053	33	-	-