

Data Summary Tables for Anglian Water Services (ANG)

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 Anglian Water Services Ltd

Report Date Range: For the whole year 2008

Table ANG 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	2,180	0	< 0.003	0.007	0
Totals:			2,180	0			

Table ANG 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	16,438	5	0	0	4
Cryptosporidium	C111	(see note*)	1,554	0			0
E Coli	C002	0 number/100 ml	16,438	0	0	0	0
Totals:			34,430	5			

Table ANG 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	16,447	N/A	0	22
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	16,448	N/A	0	11
Residual Disinfectant - Total	C010	No abnormal change	16,458	N/A	0.27	1.38
Turbidity (Indicator)	A002A	1 nephelometric turbidity unit	9,770	5	0.02	0.29
Totals:			59,123	5		

* 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 ANG 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	20,743	12	0	0	0
E Coli	C002	0 number/100 ml	20,743	1	0	0	1
Totals:			41,486	13			

Table ANG 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	20,750	N/A	0	193.49
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	20,754	N/A	0	110
Residual Disinfectant - Total	C010	No abnormal change	20,749	N/A	0.09	0.93
Totals:			62,253	0		

Table ANG 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	1,194	0	< 0.02	< 0.024	0
Antimony	B008A	5 µg Sb/l	1,157	0	< 0.01	0.764	0
Arsenic	B001A	10 µg As/l	1,145	0	< 0.14	3.455	0
Benzene	F002	1 µg/l	1,194	0	< 0.04	< 0.048	0
Boron	D005A	1 mg B/l	1,193	0	< 0.03	0.176	0
Bromate	F003	10 µg BrO ₃ /l	1,178	0	< 0.5	2.363	0
Cadmium	B002	5 µg Cd/l	1,148	0	< 0.01	< 0.39	0
Cyanide	B003	50 µg CN/l	1,188	0	< 0.987	2.573	0
Fluoride	A027	1.5 mg F/l	1,194	0	0.073	1.12	0
Mercury	B005	1 µg Hg/l	1,189	0	< 0.03	< 0.035	0
Pesticides - Total Substances	B010	0.5 µg/l	1,210	0	0	0.093	0
Pesticides 2,4-D	P020	0.1 µg/l	429	0	< 0.003	0.007	0
Pesticides Aldrin	P002	0.03 µg/l	35	0	< 0.002	< 0.006	0
Pesticides Atrazine	P004	0.1 µg/l	1,188	0	< 0.002	0.03	0
Pesticides Benazolin	P138	0.1 µg/l	32	0	< 0.002	0.098	0
Pesticides Bentazone	P006	0.1 µg/l	623	0	< 0.002	0.018	0
Pesticides Bromacil	P086	0.1 µg/l	623	0	< 0.003	0.011	0
Pesticides Carbetamide	P010	0.1 µg/l	438	0	< 0.005	0.044	0
Pesticides Chloridazon	P162	0.1 µg/l	10	0	< 0.004	< 0.004	0
Pesticides Chlortoluron	P014	0.1 µg/l	1,200	0	< 0.003	0.007	0
Pesticides Clopyralid	P018	0.1 µg/l	8	0	< 0.001	0.065	0
Pesticides Cyanazine	P092	0.1 µg/l	439	0	< 0.004	0.007	0
Pesticides Dichlorprop	P026	0.1 µg/l	623	0	< 0.003	0.007	0
Pesticides Dieldrin	P028	0.03 µg/l	35	0	< 0.002	< 0.004	0
Pesticides Diuron	P032	0.1 µg/l	1,200	0	< 0.004	< 0.006	0
Pesticides Fluroxypyr	P040	0.1 µg/l	10	0	< 0.002	0.009	0
Pesticides Heptachlor	P043	0.03 µg/l	35	0	< 0.002	< 0.004	0
Pesticides Heptachlor epoxide	P044	0.03 µg/l	35	0	< 0.002	< 0.004	0
Pesticides Isoproturon	P048	0.1 µg/l	1,200	0	< 0.003	0.004	0
Pesticides Linuron	P051	0.1 µg/l	1,200	0	< 0.003	< 0.003	0
Pesticides MCPA	P054	0.1 µg/l	623	0	< 0.003	0.022	0
Pesticides MCPP(Mecoprop)	P053	0.1 µg/l	623	0	< 0.004	0.029	0
Pesticides Monuron	P113	0.1 µg/l	1,200	0	< 0.003	0.005	0
Pesticides Prometryn	P070	0.1 µg/l	1,188	0	< 0.002	< 0.003	0

Pesticides Propazine	P066	0.1 µg/l	1,188	0	< 0.002	< 0.003	0
Pesticides Propyzamide	P071	0.1 µg/l	434	0	< 0.004	0.059	0
Pesticides Simazine	P073	0.1 µg/l	1,188	0	< 0.004	0.035	0
Pesticides Terbutylazine	P173	0.1 µg/l	9	0	< 0.003	0.005	0
Pesticides Terbutryn	P077	0.1 µg/l	1,188	0	< 0.002	< 0.003	0
Pesticides Trietazine	P132	0.1 µg/l	1,188	0	< 0.002	0.016	0
Selenium	B009	10 µg Se/l	1,157	0	< 0.19	4.17	0
Tetrachloroethene/Trichloroethene - sum of two substances	D009B	10 µg/l	1,194	0	0	1.271	0
Total Trihalomethanes	D011	100 µg/l	707	0	0	23.032	0
Totals:			34,240	0			

Table ANG 7: Quality of water leaving bulk supply points - 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 supply points with failures
Tetrachloromethane	D008	3 µg/l	1,194	0	< 0.04	0.448	0
Totals:			1,194	0			

Table ANG 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	1,194	0	16.585	121
Clostridium Perfringens (Indicator)	C004A	0 number/100 ml	2,877	2	0	0
Conductivity (Indicator)	D001	2500 µS/cm	3,484	0	345	917.15
Gross Alpha Activity	F004	0.1 Bq/l	302	6	< 0.023	0.11
Gross Beta Activity	F005	1 Bq/l	302	0	0.02	0.45
Sulphate (Indicator)	A007	250 mg SO ₄ /l	1,193	4	10.1	234.06
Total Indicative Dose	F007	0.1 mSv/year	4	0	0.005	0.006
Total organic carbon (indicator)	A017	No abnormal change	1,191	N/A	0.44	3.971
Totals:			10,547	12		

Table ANG 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	28	0	< 0.02	< 0.024	0
Antimony	B008A	5 µg Sb/l	76	0	< 0.01	0.4	0
Arsenic	B001A	10 µg As/l	87	0	< 0.14	5.08	0
Benzene	F002	1 µg/l	28	0	< 0.04	< 0.048	0
Benzo (a) Pyrene	D007	0.01 µg/l	1,457	1	< 0.001	0.004	1
Boron	D005A	1 mg B/l	26	0	< 0.03	0.09	0
Bromate	F003	10 µg BrO ₃ /l	134	0	< 0.5	2.395	0
Cadmium	B002	5 µg Cd/l	86	0	< 0.01	< 0.39	0
Chromium	B004	50 µg Cr/l	1,453	0	< 0.76	4.494	0
Copper	A024A	2 mg Cu/l	1,630	0	< 0.002	0.542	0
Cyanide	B003	50 µg CN/l	28	0	< 1	1.54	0
E Coli	C002	0 number/100 ml	11,691	0	0	0	0
Enterococci	C003	0 number/100 ml	1,465	0	0	0	0
Fluoride	A027	1.5 mg F/l	40	0	0.036	1.029	0
Lead	B007A	25 µg Pb/l	1,631	0	< 0.017	7.276	0
Mercury	B005	1 µg Hg/l	26	0	< 0.03	< 0.035	0
Nickel	B006A	20 µg Ni/l	1,636	4	< 0.15	15.763	4
Nitrate	A012	50 mg NO ₃ /l	2,894	0	0.46	42.005	0
Nitrate/Nitrite Formula	A013C	1 mg NO ₂ /l	2,894	0	0.01	0.842	0
Nitrite (Consumers tap)	A013A	0.5 mg NO ₂ /l	2,896	1	< 0.005	0.31	1
Pesticides - Total Substances	B010	0.5 µg/l	33	0	0	0.06	0
Pesticides 2,4-D	P020	0.1 µg/l	13	0	< 0.003	< 0.003	0
Pesticides Aldrin	P002	0.03 µg/l	29	0	< 0.002	< 0.006	0
Pesticides Atrazine	P004	0.1 µg/l	30	0	< 0.002	0.027	0
Pesticides Bentazone	P006	0.1 µg/l	29	0	< 0.002	0.02	0
Pesticides Bromacil	P086	0.1 µg/l	29	0	< 0.002	0.006	0
Pesticides Carbetamide	P010	0.1 µg/l	14	0	< 0.005	< 0.009	0
Pesticides Chlortoluron	P014	0.1 µg/l	30	0	< 0.003	< 0.004	0
Pesticides Cyanazine	P092	0.1 µg/l	14	0	< 0.004	< 0.004	0
Pesticides Dichlorprop	P026	0.1 µg/l	29	0	< 0.003	< 0.003	0
Pesticides Dieldrin	P028	0.03 µg/l	29	0	< 0.002	< 0.004	0
Pesticides Diuron	P032	0.1 µg/l	30	0	< 0.004	< 0.006	0
Pesticides Heptachlor	P043	0.03 µg/l	29	0	< 0.002	< 0.004	0
Pesticides Heptachlor epoxide	P044	0.03 µg/l	29	0	< 0.002	< 0.004	0

Pesticides Isoproturon	P048	0.1 µg/l	30	0 < 0.003	0.004	0
Pesticides Linuron	P051	0.1 µg/l	30	0 < 0.003	< 0.003	0
Pesticides MCPA	P054	0.1 µg/l	29	0 < 0.003	< 0.003	0
Pesticides MCPP(Mecoprop)	P053	0.1 µg/l	29	0 < 0.004	< 0.004	0
Pesticides Monuron	P113	0.1 µg/l	30	0 < 0.003	0.019	0
Pesticides Prometryn	P070	0.1 µg/l	30	0 < 0.002	< 0.003	0
Pesticides Propazine	P066	0.1 µg/l	30	0 < 0.002	< 0.003	0
Pesticides Propyzamide	P071	0.1 µg/l	13	0 < 0.004	0.013	0
Pesticides Simazine	P073	0.1 µg/l	30	0 < 0.004	0.027	0
Pesticides Terbutryn	P077	0.1 µg/l	30	0 < 0.002	< 0.002	0
Pesticides Trietazine	P132	0.1 µg/l	30	0 < 0.002	0.003	0
Polycyclic aromatic hydrocarbons	B011F	0.1 µg/l	1,457	0 0	0.007	0
Selenium	B009	10 µg Se/l	85	0 < 0.19	2.96	0
Tetrachloroethene/Trichloroethene - sum of two substances	D009B	10 µg/l	28	0 0	0	0
Total Trihalomethanes	D011	100 µg/l	829	0 0	56.84	0
Totals:			33,283	6		

Table ANG 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	2,377	2 < 2	14.998	2	
Colour	A001	20 mg/l Pt/Co scale	2,643	0 < 0.34	2.156	0	
Iron	A022	200 µg Fe/l	3,724	12 < 6	111.75	10	
Manganese	A023	50 µg Mn/l	2,658	2 < 1	9.441	1	
Organoleptic Odour	A003	<1 Dilution number at 25°C	2,569	5		5	
Organoleptic Taste	A004	<1 Dilution number at 25°C	2,505	1		1	
Sodium	A009	200 mg Na/l	1,455	0 9.096	89.676	0	
Tetrachloromethane	D008	3 µg/l	28	0 < 0.04	< 0.042	0	
Turbidity	A002	4 nephelometric turbidity units	3,036	1 0.03	0.764	1	
Totals:			20,995	23			

Table ANG 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	3,397	0	< 0.004	0.253
Chloride (Indicator)	D002A	250 mg Cl/l	26	0	10.8	81.8
Clostridium Perfringens (Indicator)	C004A	0 number/100 ml	33	0	0	0
Coliform Bacteria (Indicator)	C001A	0 number/100 ml	11,691	16	0	0
Colony Counts After 3 Days At 22°C (Indicator)	C007	No abnormal change	11,695	N/A	0	59
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	11,696	N/A	0	68
Conductivity (Indicator)	D001	2500 µS/cm	30	0	278	722
Gross Alpha Activity	F004	0.1 Bq/l	24	1	< 0.027	0.118
Gross Beta Activity	F005	1 Bq/l	24	0	0.037	0.33
Hydrogen ion (pH)	A006	6.5 - 9.5 pH range	2,528	0	7.08	7.95
Residual Disinfectant - Total	C010	No abnormal change	11,705	N/A	0.07	0.99
Sulphate (Indicator)	A007	250 mg SO ₄ /l	26	0	8.31	78.7
Total organic carbon (indicator)	A017	No abnormal change	26	N/A	0.49	4.29
Totals:			52,901	17		