Data Summary Tables for Independent Water Networks Limited (IWN)

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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Drinking Water Inspectorate
55, Whitehall
London
SW1A 2EY

Enquiries : 020 7270 3370

Site Summary Data for Independent Water Networks (Eastern)

Report Date Range: For the whole year 2008

Table IWN 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	4	0	< 0.08	< 0.08	0
Antimony	B008A	5 µg Sb/l	4	0	< 0.12	< 0.19	0
Arsenic	B001A	10 µg As/l	4	0	< 0.37	< 0.37	0
Benzene	F002	1 µg/l	4	0	< 0.06	< 0.06	0
Benzo (a) Pyrene	D007	0.01 µg/l	4	0	< 0.001	< 0.001	0
Boron	D005A	1 mg B/l	4	0	0.063	0.087	0
Bromate	F003	10 µg BrO_3/l	4	0	< 0.6	< 0.6	0
Cadmium	B002	5 µg Cd/l	4	0	< 0.06	< 0.06	0
Chromium	B004	50 µg Cr/l	4	0	< 0.7	< 0.7	0
Copper	A024A	2 mg Cu/l	4	0	0.008	0.027	0
Cyanide	B003	50 µg CN/l	4	0	< 0.5	< 0.5	0
E Coli	C002	0 number/100 ml	11	0	0	0	0
Enterococci	C003	0 number/100 ml	6	0	0	0	0
Fluoride	A027	1.5 mg F/l	4	0	0.2	0.32	0
Lead	B007A	25 µg Pb/l	4	0	< 0.5	0.9	0
Mercury	B005	1 µg Hg/l	4	0	< 0.012	< 0.012	0
Nickel	B006A	20 µg Ni/l	4	0	1.4	2.7	0
Nitrate	A012	50 mg NO_3/l	4	0	11.3	13.5	0
Nitrate/Nitrite Formula	A013C	1 mg NO_2/l	4	0	0.25	0.332	0
Nitrite (Consumers tap)	A013A	0.5 mg NO_2/l	4	0	0.035	0.185	0
Pesticides - Total Substances	B010	0.5 µg/l	4	0	0.134	0.445	0
Pesticides 2,3,6-Tba	P074	0.1 µg/l	4	0	< 0.002	< 0.006	0
Pesticides 2,4,5-T	P076	0.1 µg/l	4	0	< 0.002	< 0.003	0
Pesticides 2,4,-Db	P082	0.1 µg/l	4	0	< 0.002	< 0.005	0
Pesticides 2,4-D	P020	0.1 µg/l	4	0	< 0.002	< 0.003	0
Pesticides Aldrin	P002	0.03 µg/l	4	0	< 0.003	< 0.003	0
Pesticides Alpha-HCH	P003	0.1 µg/l	4	0	< 0.002	< 0.002	0
Pesticides Ametryn	P222	0.1 µg/l	4	0	< 0.003	< 0.003	0
Pesticides Atrazine	P004	0.1 µg/l	4	0	< 0.003	< 0.003	0
Pesticides Azinphos methyl	P005	0.1 µg/l	4	0	< 0.004	< 0.004	0
Pesticides Bentazone	P006	0.1 µg/l	4	0	< 0.002	< 0.003	0

Pesticides Beta-HCH	P007	0.1 µg/l	4	0	< 0.002	< 0.002	0
Pesticides Bromacil	P086	0.1 µg/l	4	0	< 0.004	< 0.004	0
Pesticides Bromoxynil	P008	0.1 µg/l	4	0	< 0.002	< 0.007	0
Pesticides Carbophenothion	P011	0.1 µg/l	4	0	< 0.012	< 0.012	0
Pesticides Chlorfenvinphos	P013	0.1 µg/l	4	0	< 0.005	< 0.005	0
Pesticides Chlorothalonil	P015	0.1 µg/l	4	0	< 0.003	< 0.003	0
Pesticides Chlortoluron	P014	0.1 µg/l	4	0	< 0.004	< 0.004	0
Pesticides Clopyralid	P018	0.1 µg/l	4	0	0.046	0.081	0
Pesticides Cyfluthrin	P093	0.1 µg/l	4	0	< 0.003	< 0.003	0
Pesticides Cypermethrin	P094	0.1 µg/l	4	0	< 0.003	< 0.003	0
Pesticides Delta-HCH	P022	0.1 µg/l	4	0	< 0.002	< 0.002	0
Pesticides Deltamethrin	P095	0.1 µg/l	4	0	< 0.004	< 0.004	0
Pesticides Demeton-S-Methyl	P023	0.1 µg/l	4	0	< 0.006	< 0.006	0
Pesticides Diazinon	P024	0.1 µg/l	4	0	< 0.006	< 0.006	0
Pesticides Dicamba	P025	0.1 µg/l	4	0	< 0.002	< 0.006	0
Pesticides Dichlobenil	P098	0.1 µg/l	4	0	< 0.001	< 0.001	0
Pesticides Dichlorprop	P026	0.1 µg/l	4	0	< 0.002	< 0.003	0
Pesticides Dichlorvos	P027	0.1 µg/l	4	0	< 0.008	< 0.008	0
Pesticides Dieldrin	P028	0.03 µg/l	4	0	< 0.002	< 0.002	0
Pesticides Diflufenican	P157	0.1 µg/l	4	0	< 0.005	< 0.005	0
Pesticides Dimethoate	P029	0.1 µg/l	4	0	< 0.005	< 0.005	0
Pesticides Diuron	P032	0.1 µg/l	4	0	< 0.003	< 0.003	0
Pesticides Endosulfan A (alpha-Endosulfan)	P101	0.1 µg/l	4	0	< 0.003	< 0.003	0
Pesticides Endosulfan B (beta-Endosulfan)	P102	0.1 µg/l	4	0	< 0.003	< 0.003	0
Pesticides Endrin	P034	0.1 µg/l	4	0	< 0.003	< 0.003	0
Pesticides EPTC	P035	0.1 µg/l	4	0	< 0.002	< 0.002	0
Pesticides Fenitrothion	P036	0.1 µg/l	4	0	< 0.004	< 0.004	0
Pesticides Fenpropimorph	P037	0.1 µg/l	4	0	< 0.002	< 0.002	0
Pesticides Fenvalerate	P158	0.1 µg/l	4	0	< 0.003	< 0.003	0
Pesticides Fluroxypyr	P040	0.1 µg/l	4	0	< 0.002	< 0.004	0
Pesticides Flutriafol	P039	0.1 µg/l	4	0	< 0.007	< 0.007	0
Pesticides Gamma-HCH (Lindane)	P041	0.1 µg/l	4	0	< 0.002	< 0.002	0
Pesticides Heptachlor	P043	0.03 µg/l	4	0	< 0.002	< 0.002	0
Pesticides Heptachlor epoxide	P044	0.03 µg/l	4	0	< 0.002	< 0.002	0
Pesticides Hexachlorobenzene	P045	0.1 µg/l	4	0	< 0.002	< 0.002	0
Pesticides Hexachlorobutadiene	P108	0.1 µg/l	4	0	< 0.002	< 0.002	0
Pesticides Ioxynil	P049	0.1 µg/l	4	0	< 0.001	< 0.004	0
Pesticides Isodrin	P047	0.1 µg/l	4	0	< 0.003	< 0.003	0
Pesticides Isoproturon	P048	0.1 µg/l	4	0	< 0.002	< 0.002	0
Pesticides Linuron	P051	0.1 µg/l	4	0	< 0.005	< 0.005	0
Pesticides Malathion	P052	0.1 µg/l	4	0	< 0.004	< 0.004	0
Pesticides MCPA	P054	0.1 µg/l	4	0	< 0.002	< 0.003	0
Pesticides MCPB	P055	0.1 µg/l	4	0	< 0.002	< 0.004	0

Pesticides MCPP(Mecoprop)	P053	0.1 µg/l	4	0	< 0.002	< 0.003	0
Pesticides Metazachlor	P203	0.1 µg/l	4	0	< 0.003	0.009	0
Pesticides Methoxychlor	P057	0.1 µg/l	4	0	< 0.003	< 0.003	0
Pesticides Mevinphos	P112	0.1 µg/l	4	0	< 0.004	< 0.004	0
Pesticides op-DDD (TDE)	P114	0.1 µg/l	4	0	< 0.002	< 0.002	0
Pesticides op-DDE	P115	0.1 µg/l	4	0	< 0.002	< 0.002	0
Pesticides op-DDT	P116	0.1 µg/l	4	0	< 0.002	< 0.002	0
Pesticides Parathion (Parathion ethyl)	P059	0.1 µg/l	4	0	< 0.006	< 0.006	0
Pesticides PCB - Arochlor 1254	P134	0.1 µg/l	4	0	< 0.018	< 0.018	0
Pesticides Pendimethalin	P118	0.1 µg/l	4	0	< 0.005	< 0.005	0
Pesticides Pentachlorophenol	P060	0.1 µg/l	4	0	< 0.002	< 0.004	0
Pesticides Permethrin-cis	P120	0.1 µg/l	4	0	< 0.003	< 0.003	0
Pesticides Permethrin-trans	P121	0.1 µg/l	4	0	< 0.004	< 0.004	0
Pesticides Phorate	P061	0.1 µg/l	4	0	< 0.009	< 0.009	0
Pesticides Phosalone	P062	0.1 µg/l	4	0	< 0.007	< 0.007	0
Pesticides Pirimicarb	P064	0.1 µg/l	4	0	< 0.003	< 0.003	0
Pesticides Pirimiphos Methyl	P072	0.1 µg/l	4	0	< 0.009	< 0.009	0
Pesticides pp-DDD (TDE)	P123	0.1 µg/l	4	0	< 0.003	< 0.003	0
Pesticides pp-DDE	P124	0.1 µg/l	4	0	< 0.002	< 0.002	0
Pesticides pp-DDT	P125	0.1 µg/l	4	0	< 0.002	< 0.002	0
Pesticides Prometryn	P070	0.1 µg/l	4	0	< 0.003	< 0.003	0
Pesticides Propazine	P066	0.1 µg/l	4	0	< 0.004	< 0.004	0
Pesticides Propetamphos	P069	0.1 µg/l	4	0	< 0.007	< 0.007	0
Pesticides Propiconazole	P068	0.1 µg/l	4	0	< 0.01	< 0.01	0
Pesticides Propyzamide	P071	0.1 µg/l	4	0	0.015	0.037	0
Pesticides Simazine	P073	0.1 µg/l	4	0	0.015	0.023	0
Pesticides Tecnazene	P130	0.1 µg/l	4	0	< 0.002	< 0.002	0
Pesticides Terbutryn	P077	0.1 µg/l	4	0	< 0.003	< 0.003	0
Pesticides Triadimefon	P078	0.1 µg/l	4	0	< 0.009	< 0.009	0
Pesticides Tri-allate	P079	0.1 µg/l	4	0	< 0.008	< 0.008	0
Pesticides Triazophos	P080	0.1 µg/l	4	0	< 0.003	< 0.003	0
Pesticides Trichlopyr	P131	0.1 µg/l	4	0	< 0.007	< 0.015	0
Pesticides Trietazine	P132	0.1 µg/l	4	0	< 0.006	< 0.006	0
Pesticides Trifluralin	P081	0.1 µg/l	4	0	< 0.002	< 0.002	0
Polycyclic aromatic hydrocarbons	B011F	0.1 µg/l	4	0	< 0.003	0.005	0
Selenium	B009	10 µg Se/l	4	0	< 0.22	0.39	0
Tetrachloroethene/Trichloroethene - sum of two substances	D009B	10 µg/l	4	0	< 0.08	< 0.14	0
Totals:			**453**	**0**			

Table IWN 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	4	0	< 11	46	0
Colour	A001	20 mg/l Pt/Co scale	11	0	< 0.4	1.2	0
Iron	A022	200 µg Fe/l	4	0	< 7	53	0
Manganese	A023	50 µg Mn/l	4	0	< 1.5	< 1.5	0
Organoleptic Odour	A003	<1 dilution number at 25°C	4	0			0
Organoleptic Taste	A004	<1 dilution number at 25°C	4	0			0
Sodium	A009	200 mg Na/l	4	0	30	36	0
Tetrachloromethane	D008	3 µg/l	4	0	< 0.02	< 0.04	0
Turbidity	A002	4 nephelometric turbidity units	11	0	< 0.05	1.64	0
Totals:			**50**	**0**			

Table IWN 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	4	0	0.051	0.147
Chloride (Indicator)	D002A	250 mg Cl/l	4	0	54	54.9
Clostridium Perfringens (Indicator)	C004A	0 number/100 ml	4	0	0	0
Coliform Bacteria (Indicator)	C001A	0 number/100 ml	11	0	0	0
Colony Counts After 3 Days At 22°c (Indicator)	C007	No abnormal change	11	N/A	0	> 1000
Colony Counts After 48 Hours At 37°c (Indicator)	C013	No abnormal change	9	N/A	0	46
Conductivity (Indicator)	D001	2500 µS/cm	11	0	563	604
Gross Alpha Activity	F004	0.1 Bq/l	4	0	0.009	0.022
Gross Beta Activity	F005	1 Bq/l	4	0	0.153	0.193
Hydrogen ion (pH)	A006	6.5 - 9.5 pH range	11	0	7.12	7.67
Residual Disinfectant - Free	C009	No abnormal change	2	N/A	0	0
Residual Disinfectant - Total	C010	No abnormal change	9	N/A	0	0.55
Sulphate (Indicator)	A007	250 mg SO_4/l	4	0	96.4	100
Total Indicative Dose	F007	0.1 mSv/year	2	0	0.166	0.182
Total organic carbon (indicator)	A017	No abnormal change	4	N/A	3.49	3.96
Tritium (Indicator)	F006	100 Bq/l	2	0	< 5	< 5
Totals:			**96**	**0**		