

Data summary tables for Yorkshire Water (YKS)

These tables contain a summary of results of monitoring undertaken by the water company in 2018 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 2018*.

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 Yorkshire Water Services Ltd

Report Date Range: For the whole year 2018

Table YKS 1: Quality of water leaving service 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 (Total)	A013B	0.1 mg NO ₂ /l	2,230	0	< 0.002	0.01069	0
Totals:			2,230	0			

Table YKS 2: Quality of water leaving service 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
E coli (faecal coliforms Confirmed)	C002	0 number/100 ml	14,098	0	0	0	0
Total Coliforms (Confirmed)	C001	0 number/100 ml	14,098	3	0	0	3
Totals:			28,196	3			

Table YKS 3: Quality of water leaving service 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 (Colony Counts)	C007	No abnormal change	14,098	-n/a	0	3
Residual Disinfectant - Free	C009	No abnormal change	14,099	-n/a	0.03	0.95
Residual Disinfectant - Total	C010	No abnormal change	14,099	-n/a	0.12	1.05
Turbidity - Indicator	A002A	1 nephelometric turbidity units	14,098	0	0.07	0.41
Totals:			56,394	0		

Table YKS 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
E coli (faecal coliforms Confirmed)	C002	0 number/100 ml	17,696	0	0	0	0
Total Coliforms (Confirmed)	C001	0 number/100 ml	17,696	4	0	0	0
Totals:			35,392	4			

Table YKS 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 22øc (Colony Counts)	C007	No abnormal change	17,694	-n/a	0	28
Residual Disinfectant - Free	C009	No abnormal change	17,696	-n/a	0.01	0.78
Residual Disinfectant - Total	C010	No abnormal change	17,696	-n/a	0.06	0.86
Totals:			53,086	0		

Table YKS 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
Boron	D005A	1 mg B/l	116	0	0.005387	0.056402	0
Cyanide (Total)	B003	50 µg CN/l	116	0	< 0.7	1.366	0
Fluoride (Total)	A027	1.5 mg F/l	116	0	0.02	0.0983	0
Mercury (Total)	B005	1 µg Hg/l	116	0	< 0.02	< 0.05	0
Pesticides (Total by Calculation)	B010	0.5 µg/l	116	0	0	0.0843	0
Pesticides 1,1,1-trichloro-2,2-ethane pp'-DDT	P125	0.1 µg/l	116	0	< 0.002	< 0.003	0
Pesticides 1,1-dichloro-2,2-bis-ethane pp'-DDE	P124	0.1 µg/l	116	0	< 0.001	< 0.003	0
Pesticides 2 4-D	P020	0.1 µg/l	116	0	< 0.003	0.006	0
Pesticides 2 4-DB	P082	0.1 µg/l	116	0	< 0.004	< 0.006	0
Pesticides 2,4,5-T	P076	0.1 µg/l	116	0	< 0.004	< 0.005	0
Pesticides Aldrin	P002	0.03 µg/l	116	0	< 0.00134	< 0.003	0
Pesticides Atrazine	P004	0.1 µg/l	116	0	< 0.001	< 0.002	0
Pesticides Bentazone	P006	0.1 µg/l	116	0	< 0.001	< 0.002	0
Pesticides Bromacil	P086	0.1 µg/l	116	0	< 0.003	< 0.003	0
Pesticides Bromoxynil	P008	0.1 µg/l	116	0	< 0.003	< 0.003	0
Pesticides Carbetamide	P010	0.1 µg/l	116	0	< 0.002	0.005	0
Pesticides Chlorpropham	P016	0.1 µg/l	116	0	< 0.003	< 0.003	0
Pesticides Chlorpyrifos (Chlorpyrifos Ethyl)	P017	0.1 µg/l	116	0	< 0.002	< 0.003	0
Pesticides Chlortoluron	P014	0.1 µg/l	116	0	< 0.002	< 0.003	0
Pesticides Clomazone	P246	0.1 µg/l	116	0	< 0.002	< 0.003	0
Pesticides Clopyralid	P018	0.1 µg/l	116	0	< 0.003	0.02383	0
Pesticides Cyanazine	P092	0.1 µg/l	116	0	< 0.001	< 0.002	0
Pesticides Cypermethrin	P094	0.1 µg/l	116	0	< 0.002	< 0.01296	0
Pesticides Cyproconazole	P207	0.1 µg/l	116	0	< 0.001	< 0.002	0
Pesticides Diazinon	P024	0.1 µg/l	116	0	< 0.001	< 0.003	0
Pesticides Dicamba	P025	0.1 µg/l	116	0	< 0.003	< 0.004	0
Pesticides Dichlobenil	P098	0.1 µg/l	116	0	< 0.001	< 0.003	0
Pesticides Dichlorodiphenyldichloroethane pp'-DDD TDE	P123	0.1 µg/l	116	0	< 0.00117	< 0.003	0
Pesticides Dichlorodiphenyldichloroethyle op'-DDE	P115	0.1 µg/l	116	0	< 0.00117	< 0.003	0
Pesticides Dichlorprop	P026	0.1 µg/l	116	0	< 0.004	< 0.005	0
Pesticides Dieldrin	P028	0.03 µg/l	116	0	< 0.002	< 0.003	0
Pesticides Difenconazole	P247	0.1 µg/l	116	0	< 0.002	< 0.002	0
Pesticides Diflufenican	P157	0.1 µg/l	116	0	< 0.002	< 0.004	0
Pesticides Diuron	P032	0.1 µg/l	116	0	< 0.002	< 0.003	0
Pesticides Epoxyconazole	P217	0.1 µg/l	116	0	< 0.001	< 0.002	0
Pesticides EPTC	P035	0.1 µg/l	116	0	< 0.003	< 0.006	0

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
Pesticides Flufenacet	P230	0.1 µg/l	116	0	< 0.002	0.01432	0
Pesticides Fluroxypyr	P040	0.1 µg/l	116	0	< 0.003	0.00766	0
Pesticides Flurtamone	P248	0.1 µg/l	116	0	< 0.001	< 0.002	0
Pesticides Flusilazole	P159	0.1 µg/l	116	0	< 0.001	< 0.002	0
Pesticides Flutriafol	P039	0.1 µg/l	116	0	< 0.001	< 0.002	0
Pesticides Gamma-HCH (Lindane)	P041	0.1 µg/l	116	0	< 0.001	< 0.003	0
Pesticides Heptachlor	P043	0.03 µg/l	118	0	< 0.00119	< 0.002	0
Pesticides Heptachlor Epoxide - Total (Trans, CIS) (Heptachlor Epoxide)	P044	0.03 µg/l	116	0	< 0.002	< 0.003	0
Pesticides Imazapyr	P160	0.1 µg/l	116	0	< 0.002	< 0.003	0
Pesticides Ioxynil	P049	0.1 µg/l	116	0	< 0.003	< 0.003	0
Pesticides Isoproturon	P048	0.1 µg/l	116	0	< 0.002	< 0.002	0
Pesticides Linuron	P051	0.1 µg/l	116	0	< 0.002	< 0.007	0
Pesticides MCPA 4-chloro-o-tolyloxyacetic acid	P054	0.1 µg/l	116	0	< 0.003	0.00915	0
Pesticides Mecoprop-P	P249	0.1 µg/l	116	0	< 0.002	< 0.003	0
Pesticides Metaldehyde	P226	0.1 µg/l	116	0	< 0.003	0.03466	0
Pesticides Metazachlor	P203	0.1 µg/l	116	0	< 0.002	0.003	0
Pesticides Monuron	P113	0.1 µg/l	116	0	< 0.002	< 0.002	0
Pesticides op'-DDD (TDE)	P114	0.1 µg/l	116	0	< 0.00117	< 0.003	0
Pesticides Oxadixyl	P154	0.1 µg/l	116	0	< 0.003	< 0.005	0
Pesticides Pendimethalin	P118	0.1 µg/l	116	0	< 0.002	0.003	0
Pesticides Propachlor	P126	0.1 µg/l	117	0	< 0.001	< 0.002	0
Pesticides Propham	P067	0.1 µg/l	116	0	< 0.002	< 0.003	0
Pesticides Propiconazole	P068	0.1 µg/l	116	0	< 0.002	< 0.003	0
Pesticides Propyzamide	P071	0.1 µg/l	116	0	< 0.002	0.0263	0
Pesticides Prosulfocarb	P243	0.1 µg/l	116	0	< 0.002	< 0.002	0
Pesticides Quinmerac	P244	0.1 µg/l	116	0	< 0.001	0.01566	0
Pesticides Simazine	P073	0.1 µg/l	116	0	< 0.001	< 0.003	0
Pesticides Tri-allate	P079	0.1 µg/l	116	0	< 0.00117	< 0.003	0
Pesticides Trichloro-2(2chlorophenyl)2eth op'-DDT	P116	0.1 µg/l	117	0	< 0.00118	< 0.003	0
Pesticides Triclopyr	P131	0.1 µg/l	116	0	< 0.003	< 0.009	0
Pesticides Trietazine	P132	0.1 µg/l	116	0	< 0.001	< 0.003	0
Totals:			7,776	0			

Table YKS 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	D002A	250 mg Cl/l	116	0	7.834	45.827
Clostridium Perfringens (Sulphite-reducing Clostridia) (Confirmed)	C004A	0 number/100 ml	5,170	2	0	0
Total Organic Carbon	A017	No abnormal change	116	-n/a	0.285	2.5
Totals:			5,402	2		

Table YKS 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 failing standard
1,2-Dichloroethane (Total)	F001	3 µg/l	565	0	< 0.07	< 0.1	0
Antimony	B008A	5 µg Sb/l	520	0	< 0.04	< 0.25	0
Arsenic (Total)	B001A	10 µg As/l	520	0	0.07	1.6916	0
Benzene (Total)	F002	1 µg/l	568	0	< 0.02	< 0.07	0
Benzo[a]Pyrene (Total)	D007	0.01 µg/l	528	0	< 0.00022	< 0.00032	0
Boron	D005A	1 mg B/l	400	0	0.0071207	0.050973	0
Bromate	F003	10 µg BrO ₃ /l	520	0	< 0.1	2.9	0
Cadmium (Total)	B002	5 µg Cd/l	520	0	< 0.006	0.04753	0
Chromium (Total)	B004	50 µg Cr/l	520	0	< 0.09	0.9669	0
Copper (Total)	A024A	2 mg Cu/l	520	0	0.0006	0.22922	0
Cyanide (Total)	B003	50 µg CN/l	384	0	< 0.7	< 1.7	0
E coli (faecal coliforms Confirmed)	C002	0 number/100 ml	12,951	1	0	0	1
Enterococci (Confirmed)	C003	0 number/100 ml	521	0	0	0	0
Fluoride (Total)	A027	1.5 mg F/l	400	0	0.03	0.1599	0
Lead (10 - will apply 25.12.2013)	B007B	10 µg Pb/l	520	2	< 0.02	7.153	2
Mercury (Total)	B005	1 µg Hg/l	384	0	< 0.02	< 0.05	0
Nickel (Total)	B006A	20 µg Ni/l	520	2	0.17	7.839	2
Nitrate (Total)	A012	50 mg NO ₃ /l	1,068	0	1.11	41.3	0
Nitrite - Consumer's Taps	A013A	0.5 mg NO ₂ /l	1,068	0	< 0.002	0.27562	0
Nitrite/Nitrate formula	A013C	1 mg NO ₂ /l	1,068	0	< 0.37	0.83	0
Pesticides (Total by Calculation)	B010	0.5 µg/l	384	0	0	0.1254	0
Pesticides 1,1,1-trichloro-2,2-ethane pp'-DDT	P125	0.1 µg/l	384	0	< 0.002	< 0.01	0
Pesticides 1,1-dichloro-2,2-bis-ethane pp'-DDE	P124	0.1 µg/l	384	0	< 0.001	< 0.0033	0
Pesticides 2,4-D	P020	0.1 µg/l	384	0	< 0.003	0.022	0
Pesticides 2,4-DB	P082	0.1 µg/l	384	0	< 0.004	< 0.006	0
Pesticides 2,4,5-T	P076	0.1 µg/l	384	0	< 0.004	< 0.005	0
Pesticides Aldrin	P002	0.03 µg/l	385	0	< 0.003	< 0.00468	0
Pesticides Atrazine	P004	0.1 µg/l	384	0	< 0.001	0.03815	0
Pesticides Bentazone	P006	0.1 µg/l	384	0	< 0.001	0.01345	0
Pesticides Bromacil	P086	0.1 µg/l	384	0	< 0.003	< 0.003	0
Pesticides Bromoxynil	P008	0.1 µg/l	384	0	< 0.003	< 0.003	0
Pesticides Carbetamide	P010	0.1 µg/l	384	0	< 0.002	0.006	0
Pesticides Chlorpropham	P016	0.1 µg/l	384	0	< 0.003	< 0.003	0
Pesticides Chlorpyrifos (Chlorpyrifos Ethyl)	P017	0.1 µg/l	384	0	< 0.002	< 0.003	0
Pesticides Chlortoluron	P014	0.1 µg/l	384	0	< 0.002	< 0.003	0
Pesticides Clomazone	P246	0.1 µg/l	384	0	< 0.002	< 0.003	0

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 failing standard
Pesticides Clopyralid	P018	0.1 µg/l	384	0	< 0.003	0.0216	0
Pesticides Cyanazine	P092	0.1 µg/l	384	0	< 0.001	< 0.002	0
Pesticides Cypermethrin	P094	0.1 µg/l	385	0	< 0.002	< 0.00398	0
Pesticides Cyproconazole	P207	0.1 µg/l	384	0	< 0.001	0.003	0
Pesticides Diazinon	P024	0.1 µg/l	384	0	< 0.001	< 0.003	0
Pesticides Dicamba	P025	0.1 µg/l	384	0	< 0.003	< 0.004	0
Pesticides Dichlobenil	P098	0.1 µg/l	385	0	< 0.001	< 0.00328	0
Pesticides Dichlorodiphenyldichlorethane pp'-DDD TDE	P123	0.1 µg/l	385	0	< 0.002	< 0.00398	0
Pesticides Dichlorodiphenyldichloroethyle op'-DDE	P115	0.1 µg/l	384	0	< 0.002	< 0.00405	0
Pesticides Dichlorprop	P026	0.1 µg/l	384	0	< 0.004	< 0.005	0
Pesticides Dieldrin	P028	0.03 µg/l	385	0	< 0.002	< 0.00468	0
Pesticides Difenconazole	P247	0.1 µg/l	384	0	< 0.002	< 0.002	0
Pesticides Diflufenican	P157	0.1 µg/l	384	0	< 0.002	< 0.004	0
Pesticides Diuron	P032	0.1 µg/l	384	0	< 0.002	< 0.003	0
Pesticides Epoxyconazole	P217	0.1 µg/l	384	0	< 0.001	< 0.002	0
Pesticides EPTC	P035	0.1 µg/l	384	0	< 0.003	< 0.006	0
Pesticides Flufenacet	P230	0.1 µg/l	384	0	< 0.002	0.016	0
Pesticides Fluroxypyr	P040	0.1 µg/l	384	0	< 0.003	0.006	0
Pesticides Flurtamone	P248	0.1 µg/l	384	0	< 0.001	< 0.002	0
Pesticides Flusilazole	P159	0.1 µg/l	384	0	< 0.001	< 0.002	0
Pesticides Flutriafol	P039	0.1 µg/l	384	0	< 0.001	0.002	0
Pesticides Gamma-HCH (Lindane)	P041	0.1 µg/l	384	0	< 0.001	0.0033	0
Pesticides Heptachlor	P043	0.03 µg/l	386	0	< 0.002	< 0.00304	0
Pesticides Heptachlor Epoxide - Total (Trans, CIS) (Heptachlor Epoxide)	P044	0.03 µg/l	385	0	< 0.002	< 0.0107	0
Pesticides Imazapyr	P160	0.1 µg/l	384	0	< 0.002	< 0.003	0
Pesticides Ioxynil	P049	0.1 µg/l	384	0	< 0.003	< 0.003	0
Pesticides Isoproturon	P048	0.1 µg/l	384	0	< 0.002	< 0.002	0
Pesticides Linuron	P051	0.1 µg/l	384	0	< 0.002	< 0.007	0
Pesticides MCPA 4-chloro-o-tolyloxyacetic acid	P054	0.1 µg/l	384	0	< 0.003	0.0219	0
Pesticides Mecoprop-P	P249	0.1 µg/l	384	0	< 0.002	0.008	0
Pesticides Metaldehyde	P226	0.1 µg/l	384	0	< 0.003	0.0416	0
Pesticides Metazachlor	P203	0.1 µg/l	384	0	< 0.002	0.01315	0
Pesticides Monuron	P113	0.1 µg/l	384	0	< 0.002	0.002	0
Pesticides op'-DDD (TDE)	P114	0.1 µg/l	384	0	< 0.00185	< 0.00405	0
Pesticides Oxadixyl	P154	0.1 µg/l	384	0	< 0.003	< 0.005	0
Pesticides Pendimethalin	P118	0.1 µg/l	384	0	< 0.002	0.0033	0
Pesticides Propachlor	P126	0.1 µg/l	384	0	< 0.001	< 0.002	0
Pesticides Propham	P067	0.1 µg/l	384	0	< 0.002	0.00315	0
Pesticides Propiconazole	P068	0.1 µg/l	384	0	< 0.002	< 0.003	0
Pesticides Propyzamide	P071	0.1 µg/l	384	0	< 0.002	0.02515	0

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 failing standard
Pesticides Prosulcarb	P243	0.1 µg/l	384	0	< 0.002	< 0.002	0
Pesticides Quinmerac	P244	0.1 µg/l	384	0	< 0.001	0.01915	0
Pesticides Simazine	P073	0.1 µg/l	384	0	< 0.001	0.006	0
Pesticides Tri-allate	P079	0.1 µg/l	384	0	< 0.002	< 0.003	0
Pesticides Trichloro-2(2chlorophenyl)2eth op ¹ -DDT	P116	0.1 µg/l	385	0	< 0.002	< 0.01	0
Pesticides Triclopyr	P131	0.1 µg/l	384	0	< 0.003	< 0.009	0
Pesticides Trietazine	P132	0.1 µg/l	384	0	< 0.001	0.003	0
Polycyclic Aromatic Hydrocarbons (Total by Calculation)	B011F	0.1 µg/l	526	0	0	0.001	0
Selenium (Total)	B009	10 µg Se/l	520	0	< 0.16	1.7495	0
Trichloroethene & Tetrachloroethene - Sum Of 2 Substances (Total by Calculation)	D009B	10 µg/l	549	0	0	0.085	0
Trihalomethanes (Total by Calculation)	D011	100 µg/l	545	0	4.0968	58.8896	0
Totals:			50,406	5			

Table YKS 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 failing standard
Aluminium (Total)	A021	200 µg Al/l	4,177	2	< 3.21	41.922	2
Colour	A001	20 mg/l Pt/Co scale	4,177	0	< 1	2.3	0
Iron (Total)	A022	200 µg Fe/l	4,177	15	< 0.7	92.576	12
Manganese (Total)	A023	50 µg Mn/l	4,177	1	< 0.14	6.4922	1
Odour	A003	0 Dilution number	4,178	6	0	0	6
Sodium (Total)	A009	200 mg Na/l	520	0	6.2031	37.353	0
Taste (Taste Quant)	A004	0 Dilution number	4,178	3	0	0	3
Tetrachloromethane (Total)	D008	3 µg/l	558	0	< 0.02	< 0.14	0
Turbidity	A002	4 nephelometric turbidity units	4,177	0	0.07	0.43	0
Totals:			30,319	27			

Table YKS 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 (Total)	A014	0.5 mg NH ₄ /l	4,177	0	< 0.004	0.194
Chloride	D002A	250 mg Cl/l	400	0	8.901	54.998
Coliform Bacteria (Indicator)	C001A	0 number/100 ml	12,951	21	0	0
Colony Counts After 3 Days At 22°C (Colony Counts)	C007	No abnormal change	4,178	-n/a	0	12
Conductivity (Electrical Conductivity)	D001	2500 µS/cm	4,177	0	117	699
Gross Alpha	F004	0.1 Bq/l	56	3	< 0.019	0.107
Gross Beta	F005	1 Bq/l	56	0	0.035	0.117
Hydrogen ion (pH) - Indicator (Hydrogen ion) (pH)	A006	6.5 - 9.5 pH Value	4,177	0	7.01	8.1022
Residual Disinfectant - Free	C009	No abnormal change	12,954	-n/a	0.01	0.71
Residual Disinfectant - Total	C010	No abnormal change	12,954	-n/a	0.07	0.81
Sulphate	A007	250 mg SO ₄ /l	520	0	16.684	136.58
Total Organic Carbon	A017	No abnormal change	400	-n/a	0.5	2.699
Totals:			57,000	24		