

CANTERBURY WATER SUPPLY ZONE

1st January to 31st December
2019

Component Name	No of samples taken	Samples Contravening PCV	Maximum	Mean	Minimum	PCV	Units
1,1,1-Trichloroethane	8	0	0.18	0.18	0.18	No Limit	µg/l
1,2-Dichloroethane	8	0	0.04	0.04	0.04	3	µg/l
2,4,5-T	8	0	0.01	0.01	0.01	0.1	µg/l
2,4-D	8	0	0.01	0.01	0.01	0.1	µg/l
Aldrin	8	0	0.01	0.01	0.01	0.03	µg/l
Aluminium	8	0	5.00	5.00	5.00	200	µg Al/l
Ammonium (Ammonia and Ammonium Ions)	54	0	0.07	0.04	0.04	0.5	mg NH4/l
Antimony	8	0	0.10	0.10	0.10	5	µg Sb/l
Arsenic	8	0	0.50	0.50	0.50	10	µg As/l
Atrazine	8	0	0.02	0.01	0.01	0.1	µg/l
Bentazone	8	0	0.01	0.01	0.01	0.1	µg/l
Benzene	8	0	0.01	0.01	0.01	1	µg/l
Benzo[11,12]fluoranthene	8	0	0.00	0.00	0.00	0.1	µg/l
Benzo[1,12]perylene	8	0	0.00	0.00	0.00	0.1	µg/l
Benzo[3,4]fluoranthene	8	0	0.00	0.00	0.00	0.1	µg/l
Benzo (a) pyrene	9	0	0.00	0.00	0.00	0.01	µg/l
Boron	8	0	0.05	0.05	0.05	1	mg B/l
Bromate	8	0	0.40	0.40	0.40	10	µg BrO3/l
Bromoxynil	8	0	0.01	0.01	0.01	0.1	µg/l
Cadmium	8	0	0.06	0.06	0.06	5	µg Cd/l
Calcium	7	0	119.40	116.96	111.80	No Limit	mg Ca/l
Carbendazim	8	0	0.01	0.01	0.01	0.1	µg/l
Carbetamide	8	0	0.01	0.01	0.01	0.1	µg/l
Chloride	8	0	30.95	28.56	24.22	250	mg Cl/l
Chromium	8	0	1.70	0.78	0.50	50	µg Cr/l
Clostridium perfringens (including spore)	8	0	0.00	0.00	0.00	0	cfu/100ml
Colony Count 3days at 22°C	53	0	29.00	0.77	0.00	No Abnormal Change	cfu/ml
Colony Count 48hrs at 37°C	53	0	15.00	0.43	0.00	No Abnormal Change	cfu/ml
Colour	53	0	1.00	1.00	1.00	20	mg/l Pt/Co
Conductivity	53	0	660.00	572.30	327.00	2,500	µS/cm
Copper	8	0	0.50	0.19	0.04	2	mg Cu/l
Cyanide	8	0	2.00	2.00	2.00	50	µg CN/l
Dibromochloromethane	8	0	1.04	0.60	0.27	100	µg/l
Dicamba	8	0	0.01	0.01	0.01	0.1	µg/l
Dichlobenil	8	0	0.01	0.01	0.01	0.1	µg/l
Dichlorobromomethane	8	0	0.24	0.17	0.13	100	µg/l
Dichlorprop	8	0	0.01	0.01	0.01	0.1	µg/l
Dieldrin	8	0	0.01	0.01	0.01	0.03	µg/l
Diuron	8	0	0.01	0.01	0.01	0.1	µg/l
E coli	157	0	0.00	0.00	0.00	0	mpn/100ml
Enterococci	8	1	1.00	0.13	0.00	0	cfu/100ml
Epoxiconazole	8	0	0.01	0.01	0.01	0.1	µg/l
Fluoride	8	0	0.12	0.11	0.11	1.5	mg F/l
Fluroxypyr	8	0	0.01	0.01	0.01	0.1	µg/l
Flutriafol	8	0	0.01	0.01	0.01	0.1	µg/l
Gamma-HCH (Lindane)	8	0	0.01	0.01	0.01	0.1	µg/l
Heptachlor	8	0	0.01	0.01	0.01	0.03	µg/l
Heptachlor Epoxide	8	0	0.01	0.01	0.00	0.03	µg/l
Hydrogen Ion (pH)	53	0	7.60	7.24	7.10	9.5	pH_unit
Indeno(1,2,3-cd)Pyrene	8	0	0.00	0.00	0.00	0.1	µg/l

Component Name	No of samples taken	Samples Contravening PCV	Maximum	Mean	Minimum	PCV	Units
Iron	8	0	8.80	5.65	3.40	200	µg Fe/l
Isoproturon	8	0	0.01	0.01	0.01	0.1	µg/l
Lead	8	0	0.60	0.51	0.50	10	µg Pb/l
Linuron	8	0	0.01	0.01	0.01	0.1	µg/l
Magnesium	7	0	3.30	3.13	2.70	No Limit	mg Mg/l
Manganese	8	0	4.90	1.40	0.90	50	µg Mn/l
MCPA	8	0	0.01	0.01	0.01	0.1	µg/l
MCPB	8	0	0.01	0.01	0.01	0.1	µg/l
Mecoprop (MCP)	8	0	0.01	0.01	0.01	0.1	µg/l
Mercury	8	0	0.02	0.02	0.02	1	µg Hg/l
Nickel	8	0	1.50	0.81	0.30	20	µg Ni/l
Nitrate	8	0	30.00	29.11	28.10	50	mg NO3/l
Nitrite	8	0	0.01	0.01	0.01	0.5	mg NO2/l
Nitrite/Nitrate formula	8	0	0.60	0.58	0.56	1	
Odour - Quantitative	53	0	0.00	0.00	0.00	1	Dil No
Oxadixyl	8	0	0.01	0.01	0.01	0.1	µg/l
Pendimethalin	8	0	0.01	0.01	0.01	0.1	µg/l
Pesticides - Total Substances	8	0	0.03	0.01	0.00	0.5	µg/l
Polycyclic Aromatic Hydrocarbons	8	0	0.00	0.00	0.00	0.1	µg/l
Prometryn	8	0	0.01	0.01	0.01	0.1	µg/l
Propazine	8	0	0.01	0.01	0.01	0.1	µg/l
Propyzamide	8	0	0.01	0.01	0.01	0.1	µg/l
Residual Disinfectant - Free	157	0	0.65	0.30	0.09	No Limit	mg/l
Residual Disinfectant - Total	157	0	0.66	0.35	0.16	No Limit	mg/l
Selenium	8	0	0.90	0.65	0.50	10	µg Se/l
Simazine	8	0	0.01	0.01	0.01	0.1	µg/l
Sodium	8	0	15.20	14.31	13.30	200	mg Na/l
Sulphate	9	0	19.10	16.99	14.50	250	mg SO4/l
Taste - Quantitative	53	0	0.00	0.00	0.00	1	Dil No
Terbutryn	8	0	0.01	0.01	0.01	0.1	µg/l
Tetrachloroethene	8	0	0.05	0.05	0.05	10	µg/l
Tetrachloroethene/ Trichloroethene - Sum	8	0	0.05	0.01	0.00	10	µg/l
Total coliforms	157	0	0.00	0.00	0.00	0	mpn/100ml
Total Organic Carbon	8	0	0.50	0.50	0.50	No Abnormal Change	mg C/l
Total Trihalomethanes	8	0	3.40	2.01	0.80	100	µg/l
Tri-allate	8	0	0.01	0.01	0.00	0.1	µg/l
Tribromomethane	8	0	2.10	1.27	0.49	100	µg/l
Trichloroethene	8	0	0.03	0.03	0.03	10	µg/l
Trichloromethane	8	0	0.21	0.16	0.15	100	µg/l
Triclopyr	8	0	0.01	0.01	0.01	0.1	µg/l
Trietazine	8	0	0.01	0.01	0.01	0.1	µg/l
Turbidity	53	0	0.44	0.11	0.10	4	NTU
Sum:		1					

Results for Free and Total Chlorine are listed as Residual Disinfectant Free and Total

The data provided is a summary of all the results of regulatory tests that were carried out on samples taken during the given period at customers' taps. The failure(s) reported have been satisfactorily investigated and submitted to the Drinking Water Inspectorate, who regulates the water industry in England and Wales for approval.

All other samples taken proved satisfactory and comply with the requirements of the Water Supply (Water Quality) Regulations 2018.