

Summary report for Chigwell

Date range 01/01/2017 to 31/12/2017

Population: 265

Reference	Parameter Description	Number of samples taken in period	PCV Value	Unit	Percentage of samples contravening PCV	Minimum	Mean	Maximum
A001	Colour	4	20	mg/l Pt/Co	0	<1	<1.05	1
A002	Turbidity	4	4	NTU	0	0.09	0.12	0.18
A003	Odour	4	0	Dil. No.	25	0	0	1
A004	Taste	4	0	Dil. No.	0	0	0	0
A006	Hydrogen	4	6.5 - 9.5	pH value	0	7.36	7.625	7.81
A007	Sulphate	4	250	mg/L	0	54.1	60.1	68.4
A009	Sodium	4	200	mg/L	0	36.7	43.87	54.8
A012	Nitrate	4	50	mg/L	0	17.8	36.325	47.3
A013A	Nitrite	4	0.5	mg/L NO2	0	<0.002	<0.02	0.077
A013C	Nitrite/Nitrate	4	1	-	0	<0.37	<0.74	0.95
A014	Ammonium	4	0.5	mg/L NH4	0	<0.004	<0.12225	0.196
A017	Total Organic Carbon	4	NA	mg/L	0	1.3	2.35	3.8
A021	Aluminium	4	200	µg/L	0	<3.21	<3.45	11.2
A022	Iron	4	200	µg/L	0	2.81	6.8	17.5
A023	Manganese	4	50	µg/L	0	0.36	1.82	2.6
A024A	Copper	4	2	mg/L	0	0.0083	0.07	0.493
A027	Fluoride	4	1.5	mg/L	0	0.17	0.18	0.21
B001A	Arsenic	4	10	µg/L	0	1.11	1.5	2.03
B002	Cadmium	4	5	µg/L	0	0.025	0.0495	0.107
B003	Cyanide	4	50	µg/L	0	<0.7	<0.75	0.9
B004	Chromium	4	50	µg/L	0	0.43	0.46	0.51
B005	Mercury	4	1	µg/L	0	<0.02	<0.0275	<0.05
B006A	Nickel	4	20	µg/L	0	2.52	3.745	4.89
B007B	Lead	4	10	µg/L	0	0.57	0.786	1.18
B008A	Antimony	4	5	µg/L	0	0.536	0.564	0.597

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B009	Selenium	4	10	µg/L	0	1.74	2.36	2.92
B010	Pesticides	4	0.5	µg/L	0	0.012	0.05275	0.08
B011F	Polycyclic aromatic hydrocarbons	4	0.1	µg/L	0	0	0.0002	0.0006
C001A	Coliform	11	0	No. / 100ml	0	0	0	0
C002	E.Coli	11	0	No. / 100ml	0	0	0	0
C003	Enterococci	4	0	No. / 100ml	0	0	0	0
C007	22C	4	NA	No. / ml	0	187	433	897
C010	Residual chlorine (total)	11	NA	mg/L	0	0.22	0.56	0.97
D001	Conductivity	4	2500	µS/cm @ 20 °C	0	365	648	753
D002A	Chloride	4	250	mg/L	0	60.3	67.76	76.8
D005A	Boron	4	1	mg/L	0	0.0781	0.081	0.085
D007	Benzo	4	0.01	µg/L	0	<0.0002	<0.0002	<0.0002
D008	Tetrachloromethane	4	3	µg/L	0	<0.02	<0.02	<0.02
D009B	Sum of Tri & Tetrachloroethenes	4	10	µg/L	0	0	0	0
D011	Total trihalomethanes	4	100	µg/L	0	18.2	19.76	22.15
F001	1 2-dichloroethene	4	3	µg/L	0	<0.07	<0.07	<0.07
F002	Benzene	4	1	µg/L	0	<0.02	<0.02	<0.02
F003	Bromate	4	10	µg/L	0	<0.1	<1.175	2.3
P006	Bentazone	4	0.1	µg/L	0	<0.001	<0.0015	<0.002
P018	Clopyralid	4	0.1	µg/L	0	<0.006	<0.0105	0.017
P020	2 4 d	4	0.1	µg/L	0	<0.004	<0.00475	<0.007
P042	Glyphosate	4	0.1	µg/L	0	<0.003	<0.00375	0.005
P053	Mecoprop	4	0.1	µg/L	0	<0.002	<0.0025	0.003
P054	MCPA	4	0.1	µg/L	0	<0.003	<0.00325	<0.004