

SURREY HILLS WATER SUPPLY ZONE

January 1st 2023 to December 31st 2023

Component Name	No of samples taken	Samples Contravening PCV	Maximum	Mean	Minimum	PCV	Units
1,2-Dichloroethane	8	0	0.12	0.12	0.12	3	µg / l
Alkalinity	4	0	324.00	285.00	271.00	No PCV	mg/l
Aluminium	76	0	197.80	33.61	9.00	200	µg / l
Ammonium (Ammonia and Ammonium Ions)	8	0	0.02	0.02	0.02	0.5	mg/l
Antimony	8	0	0.30	0.25	0.20	5	µg / l
Arsenic	8	0	1.00	1.00	1.00	10	µg / l
Benzene	8	0	0.02	0.02	0.02	1	µg / l
Benzo (a) pyrene	8	0	0.00	0.00	0.00	0.01	µg / l
Cadmium	8	0	0.12	0.12	0.12	5	µg / l
Calcium	4	0	108.60	103.05	95.70	No PCV	mg/l
Chromium	8	0	0.90	0.64	0.50	50	µg / l
Clostridium perfringens (including spore)	8	0	0.00	0.00	0.00	0	cfu/100ml
Colony Count 3 Days at 22°C	76	0	300.00	11.62	0.00	No Abnormal Change	cfu/ml
Colour	76	0	3.00	2.01	2.00	20	mg/l Pt/Co
Conductivity	76	0	669.00	596.03	521.00	2500	uS/cm
E coli	228	0	0.00	0.00	0.00	0	mpn/100ml
Enterococci	8	0	0.00	0.00	0.00	0	cfu/100ml
First Draw Copper	8	0	0.28	0.07	0.01	2	mg/l
First Draw Lead	8	0	0.90	0.90	0.90	10	µg / l
First Draw Nickel	8	0	6.20	2.23	1.20	20	µg / l
Hydrogen Ion (pH)	76	0	7.70	7.52	7.30	range 6.5-9.5	pH_unit
Iron	76	0	37.80	10.86	7.30	200	µg / l
Magnesium	4	0	4.60	4.08	3.30	No PCV	mg/l
Manganese	76	0	3.20	1.76	1.70	50	µg / l
Nitrate	8	0	36.10	26.51	19.50	50	mg/l
Nitrite	8	0	0.00	0.00	0.00	0.5	mg/l
Nitrite/Nitrate	8	0	0.72	0.53	0.39	1	mg/l
Odour - Quantitative	77	0	0.00	0.00	0.00	1	Dil No
PAH Total	8	0	0.00	0.00	0.00	0.1	ug/l
Residual Disinfectant- Free	228	0	0.71	0.18	0.05	No Limit	mg/l
Residual Disinfectant- Total	228	0	0.84	0.35	0.05	No Limit	mg/l
Selenium	8	0	1.00	0.83	0.80	10	µg / l
Sodium	8	0	29.70	25.98	23.40	200	mg/l
Taste - Quantitative	76	0	0.00	0.00	0.00	1	Dil No
Tetrachloroethene/ Trichloroethene- Sum	8	0	0.17	0.02	0.00	10	µg / l
Tetrachloromethane	8	0	0.11	0.11	0.11	100	µg / l
Total Coliforms	228	2	2.00	0.01	0.00	0	mpn/100ml
Total Hardness	4	0	133.40	117.25	106.30	No PCV	mg/l
Total Trihalomethanes	8	0	56.41	46.22	15.70	100	µg / l
Turbidity	76	0	0.15	0.12	0.12	4	NTU
Sum:		2					

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.

Component Name	mg/l Ca	mg/l CaCO3	Clark Degrees	French Degrees	German Degrees
Total Hardness	117.25	293.13	20.52	29.31	16.42

SURREY HILLS NO1 RESERVOIR SUPPLY POINT

January 1st 2023 to December 31st 2023

Component Name	No of samples taken	Samples Contravening PCV	Maximum	Mean	Minimum	PCV	Units
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
Atrazine	8	0	0	0.00	0.00	0.1	µg / l
Bentazone	8	0	0.01	0.01	0.01	0.1	µg / l
Boron	8	0	0.06	0.05	0.04	1	mg/l
Bromate	8	0	2.8	1.70	0.80	10	µg / l
Bromoxynil	8	0	0.01	0.01	0.01	0.1	µg / l
Carbendazim	8	0	0	0.00	0.00	0.1	µg / l
Carbetamide	8	0	0	0.00	0.00	0.1	µg / l
Chloride	8	0	55.49	52.47	48.52	250	mg/l
Chlortoluron	8	0	0	0.00	0.00	0.1	µg / l
Dicamba	8	0	0.02	0.02	0.02	0.1	µg / l
Dichlobenil	8	0	0.01	0.01	0.01	0.1	µg / l
Dichlorprop	8	0	0	0.00	0.00	0.1	µg / l
Dieldrin	8	0	0.01	0.01	0.01	0.03	µg / l
Diuron	8	0	0	0.00	0.00	0.1	µg / l
Epoxiconazole	8	0	0	0.00	0.00	0.1	µg / l
Fluoride	8	0	0.18	0.16	0.14	1.5	mg/l
Fluroxypyr	8	0	0.01	0.01	0.01	0.1	µg / l
Flutriafol	8	0	0	0.00	0.00	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	0.00	0.00	0.03	µg / l
Isoproturon	8	0	0	0.00	0.00	0.1	µg / l
Linuron	8	0	0	0.00	0.00	0.1	µg / 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	0.04	0.04	0.04	1	µg / l
Metalddehyde	8	0	0.01	0.01	0.01	0.1	µg / l
Oxadixyl	8	0	0	0.00	0.00	0.1	µg / l
Pendimethalin	8	0	0.01	0.01	0.01	0.1	µg / l
Pesticides - Total Substances	8	0	0.01	0.01	0.00	0.5	ug/l
Prometryn	8	0	0	0.00	0.00	0.1	µg / l
Propazine	8	0	0	0.00	0.00	0.1	µg / l
Propyzamide	8	0	0.01	0.01	0.01	0.1	µg / l
Simazine	8	0	0	0.00	0.00	0.1	µg / l
Sulphate	8	0	63.4	58.20	51.80	250	mg/l
Terbutryn	8	0	0	0.00	0.00	0.1	µg / l
Total Cyanide	8	0	4.1	4.10	4.10	50	µg / l
Total Organic Carbon	8	0	3.5	2.64	1.80	No Abnormal Change	mg/l
Tri-allate	8	0	0.01	0.01	0.01	0.1	µg / l
Triclopyr	8	0	0.02	0.02	0.02	0.1	µg / l
Trietazine	8	0	0	0.00	0.00	0.1	µg / l
Sum:		0					

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