

Sedgley Darlaston Water Quality Zone (SGD)								
Schedule 1 Parameters								
	Units	PCV	Number of samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Minimum	Mean	Maximum
Colour	mg/l Pt/Co	20	79	0	0	<1.00	1.57	4
Turbidity	FTU	4	79	0	0	<0.1	0.11	0.24
Odour	Dil Number	0	79	0	0	0	0	0
Taste	Dil Number	0	79	0	0	0	0	0
Sodium	mg/l	200	10	0	0	21.6	31.07	36.3
Nitrate (as NO3)	mg/l	50	10	0	0	16.5	23.11	41.5
Nitrite (as NO2)	mg/l	0.1	10	0	0	<0.0060	<0.0060	<0.0060
Nitrate/Nitrite Ratio	mg/l	1	10	0	0	0.33	0.46	0.83
Aluminium	ug/l	200	79	0	0	<5	12.33	30.8
Iron	ug/l	200	79	0	0	<4.0	11.04	79.4
Manganese	ug/l	50	79	0	0	<0.9	1.34	7.5
Copper	mg/l	2	10	0	0	<0.004	0.08	0.73
Fluoride	mg/l	1.5	10	0	0	0.59	0.94	1.02
Arsenic	ug/l	10	10	0	0	<0.5	<0.5	<0.5
Cadmium	ug/l	5	10	0	0	<0.060	<0.060	<0.060
Chromium	ug/l	50	10	0	0	<0.30	<0.30	<0.30
Nickel	ug/l	20	10	0	0	0.8	1.01	2.1
Lead	ug/l	10	10	0	0	<0.5	0.73	1.9
Antimony	ug/l	5	10	0	0	<0.10	0.14	0.5
Selenium	ug/l	10	10	0	0	<0.4	0.42	0.5
PAH	ug/l	0.1	10	0	0	0	0	0
Escherichia coli	No./100ml	0	240	0	0	0	0	0
Intestinal Enterococci	cfu/100ml	0	10	0	0	0	0	0
Boron	mg/l	1	10	0	0	<0.05	0.05	0.06
Benzo(a)pyrene	ug/l	0.01	10	0	0	<0.002	<0.002	<0.002
Trihalomethanes (total)	ug/l	100	10	0	0	5.8	49.5	80.7
Bromate	ug/l	10	10	0	0	<0.40	1.90	3.6

Indicator Parameters								
	Units	PCV	Number of samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Minimum	Mean	Maximum
pH		-	79	0	0	6.7	7.31	7.6
Sulphate (as SO4)	mg/l	250	10	0	0	22.5	36.76	50
Ammonium (as NH4)	mg/l	0.5	79	0	0	<0.04	<0.04	<0.04
Total coliforms	No./100ml	0	240	0	0	0	0	0
3 day count, 22 deg C	cfu/ml	-	79	0	0	0	2.43	112
Free chlorine	mg/l	-	242	0	0	0.03	0.31	0.78
Total chlorine	mg/l	-	242	0	0	0.04	0.45	0.86
Conductivity	uS/cm	2500	79	0	0	307	419.34	544
Chloride	mg/l	250	10	0	0	41	54	61

* All of the samples collected from this zone in 2019 complied with the Water Supply (Water Quality) (Amendment) Regulations 2018. Supplies to this zone are fluoridated up to a level of 1mg/l