

Uttoxeter Water Quality Zone (UTT)

Schedule 1 Parameters

	Units	PCV	Number of samples	Number of samples greater than PCV	% greater than PCV	Number of samples greater than authorised departure	% greater than authorised departure	Minimum	Mean	Maximum
Colour	mg/l Pt/Co	20	26	0	0	-	-	<0.4000	0.4038	1.2
Turbidity	FTU	4	26	0	0	-	-	<0.0300	0.1508	0.86
Odour (quantitative)	Dil Number	0	26	0	0	-	-	0	0	0
Taste (quantitative)	Dil Number	0	26	0	0	-	-	0	0	0
Sodium	mg/l	150	9	0	0	-	-	20	54.7778	62
Nitrate (as NO3)	mg/l	50	9	0	0	-	-	9.94	13.3489	16
Nitrite (as NO2)	mg/l	0.1	9	0	0	-	-	<0.0030	0.004	0.009
Nitrate/Nitrite Ratio	mg/l	1	9	0	0	-	-	0.37	0.79	1
Aluminium	ug/l	200	26	0	0	-	-	<8.0000	<8.0000	<8.0000
Iron	ug/l	200	26	0	0	-	-	<10.0000	37.5	196
Manganese	ug/l	50	26	0	0	-	-	<2.1000	<2.1000	9.1
Copper (New Reg Limit)	mg/l	2	9	0	0	-	-	<0.0030	0.0115	0.03
Fluoride	ug/l	1500	9	0	0	-	-	0.9	0.9474	1
Arsenic (New Regs Limit)	ug/l	10	9	0	0	-	-	<0.37	0.5578	1.4
Cadmium	ug/l	5	9	0	0	-	-	<0.06	<0.06	<0.06
Chromium	ug/l	50	9	0	0	-	-	<0.7	0.7556	1.2
Nickel (New Reg Limit)	ug/l	20	9	0	0	-	-	<0.9	0.9778	1.2
Lead (New Reg Limit)	ug/l	25	9	0	0	-	-	<0.5	0.6	1.3
Antimony (New Reg Limit)	ug/l	5	9	0	0	-	-	<0.1700	<0.1700	0.82
Selenium	ug/l	10	9	0	0	-	-	<0.3000	0.3144	0.53
Total PAHs (4 Det Total)	ug/l	0.1	10	0	0	-	-	<0.0034	<0.0034	<0.0034
Escherichia coli	No./100ml	0	70	0	0	-	-	0	0	0
Intestinal Enterococci	cfu/100ml	0	9	0	0	-	-	0	0	0
Boron (New Reg Limit)	mg/l	1	9	0	0	-	-	0.0290	0.0372	0.0540
Benzo(a)pyrene	ug/l	0.01	10	0	0	-	-	<0.001	<0.001	<0.001
Trihalomethanes (total)	ug/l	100	10	0	0	-	-	0	5.851	11.27
Bromate	ug/l	10	9	0	0	-	-	<0.6000	<0.6000	1.3000

Indicator Parameters

	Units	PCV	Number of samples	Number of samples greater than specification	% greater than specification	Minimum	Mean	Maximum
pH		9.5	25	0	0	7.2	7.472	7.6
Sulphate (as SO4)	mg/l	250	9	0	0	50.4	56.6889	87.4
Ammonium (as NH4)	mg/l	0.5	26	0	0	<0.0090	0.0115	0.074
Total organic carbon	mg/l	-	9	0	0	0.22	1.2122	5.14
Total coliforms	No./100ml	0	70	0	0	0	0	0
Clostridium perfringens	No./100ml	0	26	0	0	0	0	0
3 day count, 22 deg C	cfu/ml	-	26	0	0	0	1.7692	15
Total chlorine	mg/l	-	70	0	0	0.07	0.304	0.5
2 day count, 37 deg C	cfu/ml	-	26	0	0	0	0.9615	9
Conductivity	uS/cm	1500	26	0	0	465	641.2308	717
Chloride	mg/l	250	9	0	0	42.4	88.0556	106

All of the samples collected from this zone in 2010 complied with the Water Supply (Water Quality) Regulations 2000 (amended) 2007. Supplies to this zone are fluoridated up to a level of 1000µg/l.