

Name of Water Supply Zone - Old Warren zone

Schedule 1 Parameters

	Units	PCV	Number of Samples	Number of Samples > PCV	% > PCV	Number of Samples above Auth dep	% > Auth dep	Min	Mean	Max
COLOUR	mg/l Pt/Co	20	4	0	0	-	-	1.80	3.00	4.60
TURBIDITY	N.T.U.	4	4	0	0	-	-	0.14	0.25	0.43
ODOUR (QUANTITATIVE)	DIL. NO.	3	4	0	0	-	-	0	0	0
TASTE (QUANTITATIVE)	DIL. NO.	3	4	0	0	-	-	0	0	0
HYDROGEN ION	pH value	9	4	0	0	-	-	7.80	8.20	9.00
SODIUM	mg Na/l	200	4	0	0	-	-	6.75	10.84	22.80
NITRATE	mg NO3/l	50	4	0	0	-	-	1.33	1.96	2.70
NITRITE IN ZONES	mg NO2/l	0.5	4	0	0	-	-	0.11	0.22	0.38
NO3 NO2 CALCULATION		1	4	0	0	-	-	0.07	0.11	0.18
ALUMINIUM	ug Al/l	200	4	0	0	-	-	59.00	77.25	87.00
IRON	ug Fe/l	200	4	0	0	-	-	31.00	50.00	67.00
MANGANESE	ug Mn/l	50	4	0	0	-	-	10.00	18.50	34.00
COPPER	mg Cu/l	2	4	0	0	-	-	<0.003	0.007	0.016
FLUORIDE	mg F/l	1.5	4	0	0	-	-	0.02	0.03	0.04
ARSENIC	ug As/l	10	4	0	0	-	-	<0.20	0.33	0.60
CADMIUM	ug Cd/l	5	4	0	0	-	-	<0.02	0.04	0.07
TOTAL CYANIDE	ug CNI	50	4	0	0	-	-	<0.40	1.53	3.10
CHROMIUM	ug Cr/l	50	4	0	0	-	-	<0.20	0.50	1.40
MERCURY	ug Hg/l	1	4	0	0	-	-	<0.10	0.10	0.10
NICKEL	ug Ni/l	20	4	0	0	-	-	0.50	0.98	1.60
LEAD	ug Pb/l	10	4	0	0	-	-	0.10	1.35	4.80
ANTIMONY	ug Sb/l	5	4	0	0	-	-	0.10	0.18	0.20
SELENIUM	ug Se/l	10	4	0	0	-	-	<0.30	0.43	0.80
TOTAL PESTICIDE	ug/l	0.5	4	0	0	-	-	0	0.02	<0.04
P.A.H (TOTAL)	ug/l	0.1	4	0	0	-	-	0	<0.002	<0.004
E.COLI	CFU/100ml	0	12	0	0	-	-	N/A	N/A	N/A
ENTEROCOCCI	CFU/100ml	0	4	0	0	-	-	N/A	N/A	N/A
BORON	mg B/l	1	4	0	0	-	-	0.007	0.008	0.008
BENZO (a) PYRENE	ug/l	0.01	4	0	0	-	-	0	0.001	<0.002
TETRACHLOROMETHANE	ug/l	3	4	0	0	-	-	<0.05	0.09	<0.10
SUM OF TETR B AND TRICH	ug/l	10	4	0	0	-	-	0	<0.15	<0.20
TOTAL TRIHALOMETHANES	ug/l	100	4	0	0	-	-	6.35	13.56	21.50
1,2 DICHLOROETHANE	ug/l	3	4	0	0	-	-	<0.05	<0.16	<0.20
BENZENE	ug/l	1	4	0	0	-	-	<0.02	<0.04	<0.05
BROMATE	ug BrO3/l	10	4	0	0	-	-	<0.20	<0.28	<0.50
ALDRIN	ug/l	0.03	4	0	0	-	-	<0.002	<0.006	<0.009
ATRAZINE	ug/l	0.1	4	0	0	-	-	<0.001	<0.002	<0.003
BROMOXYNIL	ug/l	0.1	4	0	0	-	-	<0.008	<0.009	<0.010
CHLOROTHALONIL	ug/l	0.1	4	0	0	-	-	<0.010	<0.011	<0.011
CLOPYRALID	ug/l	0.1	4	0	0	-	-	<0.010	<0.010	<0.010
DIAZINON	ug/l	0.1	4	0	0	-	-	<0.002	<0.004	<0.010
DIELDRIN	ug/l	0.03	4	0	0	-	-	<0.003	<0.004	<0.005
FENPROPIMORPH	ug/l	0.1	4	0	0	-	-	<0.007	<0.008	<0.010

	Units	PCV	Number of Samples	Number of Samples > PCV	% > PCV	Number of Samples above Auth dep	% > Auth dep	Min	Mean	Max
FLUROXYPYR	ug/l	0.1	4	0	0	-	-	<0.004	<0.006	<0.010
HEPTACHLOR	ug/l	0.03	4	0	0	-	-	<0.001	0.004	<0.005
HEPTACHLOR EPOXIDE	ug/l	0.03	4	0	0	-	-	<0.003	<0.006	<0.007
ISOPROTURON	ug/l	0.1	4	0	0	-	-	<0.002	<0.004	<0.010
LINURON	ug/l	0.1	4	0	0	-	-	<0.010	<0.010	<0.010
MECOPROP	ug/l	0.1	4	0	0	-	-	<0.004	<0.006	<0.010
MCPA	ug/l	0.1	4	0	0	-	-	<0.003	<0.005	<0.010
MCPB	ug/l	0.1	4	0	0	-	-	<0.007	<0.008	<0.010
PROPETAMPHOS	ug/l	0.1	4	0	0	-	-	<0.002	<0.003	<0.006
TRIFLURALIN	ug/l	0.1	4	0	0	-	-	<0.007	<0.008	<0.010
2,4-DB	ug/l	0.1	4	0	0	-	-	<0.007	<0.008	<0.010
PENDIMETHALIN	ug/l	0.1	4	0	0	-	-	<0.010	<0.010	<0.010
TRICLOPYR	ug/l	0.1	4	0	0	-	-	<0.003	<0.005	<0.010
ASULAM	ug/l	0.1	4	0	0	-	-	<0.010	<0.018	<0.020
FLUSILAZOLE	ug/l	0.1	4	0	0	-	-	<0.004	<0.006	<0.010
CHLORMEQUAT	ug/l	0.1	4	0	0	-	-	<0.010	<0.078	<0.100
EPOXICONAZOLE	ug/l	0.1	4	0	0	-	-	<0.006	<0.007	<0.010

Indicator Parameters

	Units	Specification	Number of samples	Number of samples > specification	% > Specification	Min	Mean	Max
SULPHATE	mg SO4/l	250	4	0	0	32.60	34.58	38.30
AMMONIUM	mg NH4/l	0.5	4	0	0	<0.01	0.10	0.20
TOTAL ORGANIC CARBON	mgC/l	50	4	0	0	1.90	2.30	2.70
TOTAL COLIFORMS	CFU/100ml	0	12	0	0	N/A	N/A	N/A
CLOSTRIDIUM PERFRINGENS	CFU/100ml	0	4	0	0	N/A	N/A	N/A
COLONY COUNTS(22C)	CFU/1ml	50	4	0	0	0	1	3
FREE CHLORINE	mg/l	0.05	12	0	0	0.04	0.18	0.47
TOTAL CHLORINE	mg/l	10	12	0	0	0.06	0.23	0.55
COLONY COUNTS(37C)	CFU/1ml	10	4	0	0	0	1	2
CONDUCTIVITY	uS/cm	2500	4	0	0	124	168	292
CHLORIDE	mg Cl/l	250	4	0	0	11.70	14.33	16.20
RADIO.ALPHA	Bq/l	0.1	4	0	0	<0.02	0.02	<0.03
RADIO.BETA	Bq/l	1	4	0	0	0.02	0.05	0.15

Commentary on Water Quality

PAH (Total) calculated from the sum of Benzo (b) fluoranthene, Benzo (k) fluoranthene, Benzo ghi perylene and Indeno (1,2,3-Cd) Pyrene

Total Trihalomethanes calculated from the sum of Chloroform, Bromoform, Dibromochloromethane and Bromodichloromethane

Colony count specification is an internal limit, used to represent no significant change

Treatment works supplying: Bulk Supply from Dwr Cymru

Reservoirs supplying: None

Estimated population: 363

There were no authorised departures or undertakings in this zone.