

Water quality results for:



Here you can see what's in the water where you live. The report covers an average 12 month period, which is then updated weekly.

Water source

The water supply to this area is from local groundwater sources, from the River Dee and from Lake Vyrnwy.

Water quality

The water supply to this area can vary in hardness from moderately soft to slightly hard. The supply is low in naturally occurring fluoride and is not artificially fluoridated. For further information please follow the link on the 'About your water' page.

Quality control

There are strict regulations to ensure that drinking water meets the standards required by European Union legislation. We monitor the quality of water as it leaves our treatment works and service reservoirs to make sure that standards are being met. We also measure the quality of water as it reaches our customers. The region we supply is divided into 227 Water Supply Zones. The water supplied to a zone is usually from one water treatment works or service reservoir. All the test results for your Water Supply Zone are summarised in the Drinking Water Register, which can be viewed by selecting the "Full" tab below. This report covers a rolling 12 month period, which is updated weekly.

Typical water hardness:
Slightly Hard

Hardness clark:
7.49

Date of update:
28/11/2025

Water supply zone:
Winsford

Water supply zone ref:
Z161

Postcode search

SEARCH

Summary

Full

Parameter	Min	Average	Max	Units	Regulatory limit	Number of samples	%Failed
2,4-D	<0.0090	<0.0098	0.0260	µg/l	0.1	25	0
2,4-DB	<0.0150	<0.0150	<0.0150	µg/l	0.1	25	0
Alkalinity as CaCO3	40.0	67.1	87.3	mg/l		8	0
Aluminium	2.80	<5.97	12.0	µg Al/l	200	37	0
Ammonium (ammonia and ammonium ions)	<0.0322	<0.0377	<0.0540	mg NH4/l	0.5	8	0
Antimony	<0.310	<0.310	<0.310	µg Sb/l	5	10	0
Arsenic	3.94	4.48	5.48	µg As/l	10	10	0
Asulam	<0.0042	<0.0119	<0.0170	µg/l	0.1	25	0
Benzene	<0.0780	<0.0805	<0.0830	µg/l	1	71	0
Benzo(a)pyrene	<0.0020	<0.0020	<0.0020	µg/l	0.01	9	0
Boron	<0.0127	<0.0172	<0.0225	mg B/l	1	73	0
Bromate	<0.330	<0.596	<0.640	µg BrO3/l	10	7	0
Cadmium	<0.0900	<0.0900	<0.0900	µg Cd/l		10	0

Parameter	Min	Average	Max	Units	Regulatory limit	Number of samples	%Failed
Calcium	23.1	36.9	50.5	mg Ca/l		37	0
Carbetamide	<0.0070	<0.0077	<0.0100	µg/l	0.1	25	0
Chloride	12.3	24.4	54.2	mg Cl/l	250	69	0
Chromium	<0.830	<0.830	<0.830	µg Cr/l	50	10	0
Residual chlorine Total	0.14	0.66	1.15	mg/l		126	0
Residual chlorine - Free	0.08	0.59	0.90	mg/l		127	0
Chlortoluron	0.0050	0.0053	0.0070	µg/l	0.1	25	0
Colony counts after 3 days at 22 deg C	0	4	139	number/1ml		38	0
Coliform bacteria	0	0	0	number/100ml	0	123	0
Colour	<1.21	<1.82	<2.08	mg/l Pt/Co scale	20	37	0
Conductivity	208	264	323	uS/cm at 20oC	2500	37	0
Copper	<0.0104	<0.0104	<0.0104	mg Cu/l	2	8	0
Clostridium perfringens (including spores)	0	0	0	number/100ml	0	7	0
Clopyralid	<0.0150	<0.0150	<0.0150	µg/l	0.1	25	0
Cyanide	3.91	3.91	3.91	µg CN/l	50	73	0
1,2-dichloroethane	<0.130	<0.155	<0.180	µg/l	3	71	0
Diazinon	0.0070	<0.0073	<0.0090	µg/l	0.1	25	0
Dicamba	<0.0120	<0.0128	<0.0160	µg/l	0.1	25	0
Diuron	<0.0080	<0.0120	<0.0130	µg/l	0.1	25	0
E.coli	0	0	0	number/100ml	0	123	0
Enterococci	0	0	0	number/100ml	0	7	0
Fluoride	<0.180	<0.261	<0.270	mg F/l	1.5	142	0
Fluroxypyr	<0.0230	<0.0230	<0.0230	µg/l	0.1	25	0
Glyphosate	<0.0080	<0.0176	<0.0200	µg/l	0.1	24	0
Hardness Total as CaCO3	66	107	145	mg CaCO3/l		37	0
Iron	2.70	<8.41	32.0	µg Fe/l	200	37	0
Isoproturon	<0.0080	<0.0088	<0.0090	µg/l	0.1	25	0
Lead	<0.550	<1.19	4.90	µg Pb/l	10	8	0
Linuron	<0.0070	<0.0077	<0.0100	µg/l	0.1	25	0
Magnesium	1.94	3.57	5.30	mg Mg/l		37	0
Manganese	<0.370	<0.548	2.32	µg Mn/l	50	37	0
MCPA	<0.0100	<0.0104	0.0200	µg/l	0.1	25	0
Mecoprop	<0.0100	<0.0100	0.0100	µg/l	0.1	25	0
Mercury	<0.130	<0.130	<0.130	µg Hg/l	1	73	0
Metaldehyde	<0.0045	<0.0079	<0.0102	µg/l	0.1	25	0
Nickel	<0.770	<0.964	2.32	µg Ni/l	20	8	0
Nitrite	<0.0076	<0.0085	<0.0099	mg NO2/l	0.5	8	0
Nitrate	15.5	22.2	26.8	mg NO3/l	50	8	0
(Nitrate)/50 plus (nitrite)/3	0.309	0.443	0.535	mg/l	1	8	0
Odour (quantitative)	0	0	0	dilution number at 25oC	0	36	0
Total organic carbon	0.670	1.12	3.64	mg C/l		73	0
Polycyclic aromatic hydrocarbons (sum of 4 PAHs)	0.0000	0.0000	0.0000	µg/l	0.1	9	0

Parameter	Min	Average	Max	Units	Regulatory limit	Number of samples	%Failed
Pesticides Total	0.0000	0.0026	0.0432	µg/l	0.5	26	0
Hydrogen ion (pH)	7.18	7.43	7.62	pH value	9.5	78	0
Propyzamide	0.0080	0.0083	0.0100	µg/l	0.1	25	0
Selenium	<0.850	<0.850	<0.850	µg Se/l	10	10	0
Sodium	11.0	15.1	17.9	mg Na/l	200	9	0
Sulphate	10.0	25.7	71.0	mg SO4/l	250	71	0
Taste (quantitative)	0	0	0	dilution number at 25oC	0	36	0
Tetrachloromethane	0.380	0.467	0.670	µg/l	3	10	0
Trihalomethanes - Total	22.4	29.4	39.1	µg/l	100	10	0
Triclopyr	0.0170	0.0170	0.0170	µg/l	0.1	25	0
Tetrachloroethene and trichloroethene	0.0000	0.0000	0.0000	µg/l	10	10	0
Turbidity	0.10	0.17	0.20	NTU	4	38	0

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