



Red Gate Water Works Water Quality Summary
2025

Parameter	Units	Level Detected <i>N/D: Not Detected</i>	Range of Levels Detected	No. of Results	World Health Organisation Drinking Water Guideline	WHO Compliance Status
Microbiological						
Coliform	MPN/100 mL	N/D	N/D	251	Not detected in 100 mL	✓
<i>E.coli</i>	MPN/100 mL	N/D	N/D	254	Not detected in 100 mL	✓
HPC	CFU/1 mL	N/D	0-6	50	-	
<i>L. pneumophila</i>	MPN/100 mL	N/D**	-	9	-	
Disinfectant						
Chlorine, Free	mg/L	0.57	0.30-0.84	620	5	✓
Chlorine, Total	mg/L	0.61	0.32-0.89	620	5	✓
Disinfection by Products						
Chlorate	µg/L	15			700	✓
Bromoform	µg/L	0.53			100	✓
Chloroform	µg/L	N/D			300	✓
Dibromochloromethane	µg/L	0.18			100	✓
Bromodichloromethane	µg/L	N/D			60	✓
Total Haloacetic Acids	µg/L	0.43			-	✓
Total Trihalomethanes	µg/L	1.6			-	✓
Inorganic Contaminants						
Arsenic	mg/L	N/D			0.01	✓
Boron	mg/L	0.83			2.4	✓
Cadmium	mg/L	N/D			0.003	✓
Chromium	mg/L	<0.001			0.05	✓
Copper	mg/L	<0.004			2	✓
Fluoride	mg/L	-			1.5	✓
Iron	mg/L	N/D			-	✓
Lead	mg/L	<0.001			0.01	✓
Manganese	mg/L	N/D			0.08	✓
Nickel	mg/L	N/D			0.07	✓
Selenium	mg/L	<0.002			0.04	✓
Sodium	mg/L	46			-	
Zinc	mg/L	0.62	0.5-1.0	51	-	
Organic Contaminants (A partial list. A full list available on request)						
Aldrin	µg/L	N/D			0.03	✓
Atrazine	µg/L	N/D			100	✓
Benzene	µg/L	N/D			10	✓
Benzo[a]pyrene	µg/L	N/D			0.7	✓
Bis(2-ethylhexyl) phthalate (other names: Di(2-ethylhexyl) phthalate, DEHP, Dioctyl phthalate, DOP)	µg/L	N/D			8	✓
Ethylbenzene	µg/L	N/D			300	✓
gamma-BHC (Lindane)	µg/L	N/D			2	✓
Glyphosate	µg/L	N/D			-	✓
Simazine	µg/L	N/D			2	✓
Toluene	µg/L	N/D			700	✓
Vinyl chloride	µg/L	N/D			0.3	✓
Xylenes, Total	µg/L	N/D			500	✓
per- and polyfluoroalky substances (PFAS) (A partial list. A full list available on request)						
Perfluorooctanesulfonic acid (PFOS)	ng/L	N/D**			-	
Perfluorooctanoic acid (PFOA)	ng/L	N/D**			-	
Secondary Parameters						
Alkalinity	mg/L	1.7*			-	
Calcium	mg/L	1.3			-	
Chloride	mg/L	109*	-	1	-	
Conductivity	µS/cm	289.0	218-335	613	-	
Magnesium	mg/L	1.7			-	
pH	pH Units	7.6	6.6-7.9	614	-	

* 2024 Results

**At sample tap

Units

CFU/ 1 mL: colony forming units per 1 milliliters

mg/L: milligrams per liter

µg/L: microgram per liter

MPN/100 mL: Most Probable Number per 100 milliliters

µS/cm: microSiemens per centimeter