

**2.1.2 SUMMARY OF MAJOR CHEMICALS, MICROBIOLOGICAL, AND PHYSICAL  
PARAMETERS OF EDMONTON DRINKING WATER PRODUCED  
AT WATER TREATMENT PLANTS**

January 2024

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO <sub>3</sub> /L	61	127	126	115	141	61
Aluminum	mg/L	2	0.089	0.089	0.089	0.089	2
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	2
Bromate Dissolved	mg/L	10	<0.005	<0.005	<0.005	<0.005	10
Bromodichloromethane	µg/L	2	<0.5	<0.5	<0.5	<0.5	2
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	2
Calcium Hardness	mg/L CaCO <sub>3</sub>	61	123	124	102	141	61
Chlorate Dissolved	mg/L	10	0.139	0.144	0.080	0.256	10
Chloride Dissolved	mg/L	10	6.06	6.17	4.78	6.80	10
Chlorite Dissolved	mg/L	10	<0.01	<0.01	<0.01	<0.01	10
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	2
Colour	TCU	61	1.2	1.1	0.7	1.9	61
Conductivity	µS/cm	10	407	409	376	453	10
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	2
Fluoride	mg/L	61	0.72	0.72	0.62	0.79	61
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	2
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	2
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	<0.0020	2
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	2
Nitrate (as N) Dissolved	mg/L	10	0.085	0.085	0.080	0.090	10
Nitrite (as N) Dissolved	mg/L	10	0.01	0.01	0.01	0.01	10
pH	N/A	61	7.9	7.9	7.6	8.1	61
Potassium	mg/L	2	0.76	0.75	0.70	0.80	2
Sodium	mg/L	2	7.17	7.10	6.80	7.40	2
Sulphate Dissolved	mg/L	10	74.5	76.5	59.5	95.1	10
Total Chlorine	N/A	61	2.18	2.19	1.99	2.34	61
Total Dissolved Solids	mg/L	2	221	222	220	223	2
Total Hardness	mg/L CaCO <sub>3</sub>	61	188	188	166	218	61
Total Organic Carbon	mg/L C	10	1.5	1.4	1.3	1.7	10
Trihalomethanes	mg/L	2	0.018	0.018	0.016	0.020	2
Turbidity	NTU	61	0.05	0.05	<0.04	0.09	61
Uranium	mg/L	2	0.0005	0.0006	0.0005	0.0006	2
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	2
<b>Bacteriological Data</b>							
Coliforms, total	PA/100mL	61	Absent	Absent	Absent	Absent	61
E. coli	PA/100mL	61	Absent	Absent	Absent	Absent	61