

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

February 2024

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO <sub>3</sub> /L	57	121	125	8	141	118
Aluminum	mg/L	2	0.026	0.058	0.026	0.089	4
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	4
Bromate Dissolved	mg/L	8	<0.005	<0.005	<0.005	<0.005	18
Bromodichloromethane	µg/L	57	0.9	1.0	<0.5	1.8	120
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	4
Calcium Hardness	mg/L CaCO <sub>3</sub>	57	118	122	98	141	118
Chlorate Dissolved	mg/L	8	0.128	0.144	0.070	0.256	18
Chloride Dissolved	mg/L	8	6.06	5.83	4.78	7.38	18
Chlorite Dissolved	mg/L	8	<0.01	<0.01	<0.01	<0.01	18
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	4
Colour	TCU	57	0.9	1.0	<0.5	1.9	118
Conductivity	µS/cm	8	399	402	376	453	18
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	4
Fluoride	mg/L	57	0.72	0.71	0.62	0.79	118
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	4
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	4
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	<0.0020	4
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	4
Nitrate (as N) Dissolved	mg/L	8	0.087	0.090	0.080	0.090	18
Nitrite (as N) Dissolved	mg/L	8	0.01	0.01	0.01	0.02	18
pH	N/A	58	7.9	7.9	7.6	8.1	119
Potassium	mg/L	2	0.70	0.70	0.70	0.80	4
Sodium	mg/L	2	10.91	8.25	6.80	11.90	4
Sulphate Dissolved	mg/L	8	72.3	73.6	59.5	95.1	18
Total Chlorine	N/A	57	2.11	2.16	1.99	2.34	118
Total Dissolved Solids	mg/L	2	234	226	220	238	4
Total Hardness	mg/L CaCO <sub>3</sub>	57	183	185	166	218	118
Total Organic Carbon	mg/L C	8	1.3	1.4	1.1	1.7	18
Trihalomethanes	mg/L	57	0.009	0.011	0.007	0.020	120
Turbidity	NTU	57	0.04	<0.04	<0.04	0.09	118
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	4
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	4
<b>Bacteriological Data</b>							
Coliforms, total	PA/100mL	57	Absent	Absent	Absent	Absent	118
E. coli	PA/100mL	57	Absent	Absent	Absent	Absent	118