

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

July 2022

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO3/L	62	115	122	90	142	425
Aluminum	mg/L	2	0.022	0.069	0.018	0.091	15
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	0.0003	15
Bromate Dissolved	mg/L	8	<0.005	<0.005	<0.005	<0.005	63
Bromodichloromethane	µg/L	58	<0.5	<0.5	<0.5	<0.5	421
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	15
Calcium Hardness	mg/L CaCO3	62	116	114	93	198	425
Chlorate Dissolved	mg/L	8	0.156	0.130	<0.100	0.245	63
Chloride Dissolved	mg/L	8	6.83	6.48	4.64	12.20	63
Chlorite Dissolved	mg/L	8	<0.01	<0.20	<0.20	<0.20	63
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	15
Colour	TCU	62	1.1	0.8	<0.5	2.1	425
Conductivity	µS/cm	8	431	398	347	527	61
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	15
Cryptosporidium	oocysts/100L	2	5.9	<0.1	<0.1	9.6	14
Fluoride	mg/L	62	0.70	0.68	0.59	0.77	425
Giardia	cysts/100L	2	5.9	<0.1	<0.1	9.6	14
Haloacetic Acids, total (HAA5)	ug/L	2	37.7	20.8	12.2	37.8	15
Hardness, Total	mg/L CaCO3	62	174	173	142	246	425
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	15
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	15
Manganese	mg/L	2	0.0051	<0.0020	<0.0020	0.0070	15
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	15
Nitrate (as N) Dissolved	mg/L	8	0.034	0.080	<0.010	0.263	63
Nitrite (as N) Dissolved	mg/L	8	<0.01	<0.01	<0.01	<0.01	63
pH	N/A	62	7.8	7.9	7.4	8.2	425
Potassium	mg/L	2	1.28	0.90	0.40	2.20	15
Sodium	mg/L	2	31.17	11.10	6.80	36.20	15
Sulphate Dissolved	mg/L	8	93.3	73.0	54.7	142.0	63
Total Chlorine	mg/L	62	2.10	2.06	1.18	2.32	425
Total Dissolved Solids	mg/L	2	269	240	215	279	15
Total Organic Carbon	mg/L C	8	2.6	1.3	<0.6	9.9	61
Trihalomethanes	mg/L	58	0.030	0.011	0.003	0.042	421
Turbidity	NTU	62	0.05	<0.04	<0.04	0.16	425
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	15
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	15
<b>Bacteriological Data</b>							
Coliforms, total	PA/100mL	62	Absent	Absent	Absent	Absent	425
E. coli	PA/100mL	62	Absent	Absent	Absent	Absent	425