

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

August 2018

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity, total	mg CaCO3/L	62	110	115	66	167	486
Aluminum	mg/L	2	0.090	0.072	0.023	0.105	16
Arsenic	mg/L	2	0.0003	0.0003	<0.0002	0.0003	16
Bromate, dissolved	mg/L	18	<0.01	<0.02	<0.02	<0.02	132
Bromodichloromethane	ug/L	62	<0.5	<0.5	<0.5	2.0	486
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	16
Chlorate, dissolved	mg/L	18	<0.1	<0.5	<0.5	<0.5	132
Chloride, dissolved	mg/L	18	5.70	5.46	3.66	17.50	132
Chlorine, total	mg/L	62	2.36	2.08	1.72	2.50	487
Chlorite, dissolved	mg/L	18	<0.01	<1.00	<1.00	<1.00	132
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	0.0004	16
Colour	TCU	62	1	<1	<1	2	486
Conductivity	uS/cm	8	355	381	339	456	70
Copper	mg/L	2	<0.0050	<0.0053	<0.0053	<0.0053	16
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	17
Fluoride, dissolved	mg/L	62	0.68	0.67	0.53	0.76	486
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	17
Haloacetic Acids, total (HAA5)	ug/L	2	16.8	14.1	8.0	41.6	16
Hardness, Calcium	mg CaCO3/L	62	104	112	81	140	486
Hardness, total	mg CaCO3/L	62	159	168	116	207	486
Iron	mg/L	2	<0.0050	<0.0053	<0.0053	<0.0053	16
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	16
Manganese	mg/L	2	<0.0020	<0.0021	<0.0021	0.0320	16
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	16
NDMA	ng/L	2	3.18	1.60	0.66	4.40	16
Nitrate (as N), dissolved	mg/L	18	<0.011	0.087	<0.050	0.574	132
Nitrite (as N), dissolved	mg/L	18	<0.01	<0.02	<0.02	<0.02	132
pH	N/A	62	7.8	7.8	7.4	8.2	486
Potassium	mg/L	2	0.72	0.70	0.60	2.55	16
Sodium	mg/L	2	5.05	7.11	3.22	32.90	16
Sulphate, dissolved	mg/L	18	62	62	53	120	132
Total Dissolved Solids	mg/L	2	215	218	206	266	16
Total Organic Carbon	mg/L C	8	1.5	1.7	<0.6	6.8	72
Trihalomethanes	mg/L	62	0.018	0.013	0.003	0.034	486
Turbidity	NTU	62	0.05	0.05	0.03	0.40	486
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	16
Zinc	mg/L	2	<0.0050	<0.0053	<0.0053	0.0060	16
Bacteriological Data							
Coliforms, total	PA/100 mL	62	Absent	Absent	Absent	Absent	487
E. coli	PA/100 mL	62	Absent	Absent	Absent	Absent	487