

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

September 2018

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity, total	mg CaCO3/L	60	112	115	66	167	546
Aluminum	mg/L	2	0.070	0.072	0.023	0.105	18
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	0.0003	18
Bromate, dissolved	mg/L	16	<0.00	<0.02	<0.02	<0.02	148
Bromodichloromethane	ug/L	60	<0.5	<0.5	<0.5	2.0	546
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	18
Chlorate, dissolved	mg/L	16	<0.1	<0.5	<0.5	<0.5	148
Chloride, dissolved	mg/L	16	6.46	5.55	3.66	17.50	148
Chlorine, total	mg/L	60	2.37	2.11	1.72	2.57	547
Chlorite, dissolved	mg/L	16	<0.05	<1.00	<1.00	<1.00	148
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	0.0004	18
Colour	TCU	60	1	<1	<1	2	546
Conductivity	uS/cm	8	358	379	336	456	78
Copper	mg/L	2	<0.0050	<0.0053	<0.0053	<0.0053	18
Cryptosporidium	oocysts/100L	4	<0.1	<0.1	<0.1	<0.1	21
Fluoride, dissolved	mg/L	60	0.68	0.67	0.53	0.76	546
Giardia	cysts/100L	4	<0.1	<0.1	<0.1	<0.1	21
Haloacetic Acids, total (HAA5)	ug/L	2	14.1	13.9	8.0	41.6	18
Hardness, Calcium	mg CaCO3/L	60	104	110	81	140	546
Hardness, total	mg CaCO3/L	60	158	166	116	207	546
Iron	mg/L	2	<0.0050	<0.0053	<0.0053	<0.0053	18
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	18
Manganese	mg/L	2	<0.0020	<0.0021	<0.0021	0.0320	18
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	18
NDMA	ng/L	2	0.98	1.60	0.51	4.40	18
Nitrate (as N), dissolved	mg/L	16	<0.017	0.067	<0.050	0.574	148
Nitrite (as N), dissolved	mg/L	16	<0.01	<0.02	<0.02	<0.02	148
pH	N/A	60	7.7	7.8	7.4	8.2	546
Potassium	mg/L	2	0.60	0.70	0.60	2.55	18
Sodium	mg/L	2	9.05	7.18	3.22	32.90	18
Sulphate, dissolved	mg/L	16	60	62	53	120	148
Total Dissolved Solids	mg/L	2	198	215	198	266	18
Total Organic Carbon	mg/L C	6	1.4	1.7	<0.6	6.8	78
Trihalomethanes	mg/L	60	0.012	0.013	0.003	0.034	546
Turbidity	NTU	60	0.05	0.05	0.03	0.40	546
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	18
Zinc	mg/L	2	<0.0050	<0.0053	<0.0053	0.0060	18
Bacteriological Data							
Coliforms, total	PA/100 mL	60	Absent	Absent	Absent	Absent	547
E. coli	PA/100 mL	60	Absent	Absent	Absent	Absent	547