

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

April 2018

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity, total	mg CaCO3/L	60	105	127	66	167	240
Aluminum	mg/L	2	0.070	0.072	0.061	0.087	8
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	0.0003	8
Bromate, dissolved	mg/L	14	<0.005	<0.005	<0.005	<0.005	62
Bromodichloromethane	ug/L	60	0.7	<0.5	<0.5	2.0	240
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	8
Chlorate, dissolved	mg/L	14	<0.1	<0.1	<0.1	0.2	62
Chloride, dissolved	mg/L	14	8.41	4.96	3.66	17.50	62
Chlorine, total	mg/L	60	2.11	2.00	1.72	2.42	241
Chlorite, dissolved	mg/L	14	<0.01	<0.20	<0.20	<0.20	62
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	0.0004	8
Colour	TCU	60	1	<1	<1	2	240
Conductivity	uS/cm	8	404	387	368	456	34
Copper	mg/L	2	<0.0053	<0.0053	<0.0053	<0.0053	8
Cryptosporidium	oocysts/100L	3	<0.1	<0.1	<0.1	<0.1	9
Fluoride, dissolved	mg/L	60	0.64	0.67	0.53	0.76	240
Giardia	cysts/100L	3	<0.1	<0.1	<0.1	<0.1	9
Haloacetic Acids, total (HAA5)	ug/L	2	8.1	10.9	8.0	12.4	8
Hardness, Calcium	mg CaCO3/L	60	104	118	81	140	240
Hardness, total	mg CaCO3/L	60	154	178	116	207	240
Iron	mg/L	2	<0.0053	<0.0053	<0.0053	<0.0053	8
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	8
Manganese	mg/L	2	<0.0021	<0.0021	<0.0021	<0.0021	8
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	8
NDMA	ng/L	2	1.82	1.15	0.66	3.80	8
Nitrate (as N), dissolved	mg/L	14	0.178	0.100	0.086	0.574	62
Nitrite (as N), dissolved	mg/L	14	0.005	<0.005	<0.005	0.007	62
pH	N/A	60	7.9	7.9	7.6	8.2	240
Potassium	mg/L	2	0.7	0.7	0.6	0.7	8
Sodium	mg/L	2	7.13	6.62	6.36	7.61	8
Sulphate, dissolved	mg/L	14	72	58	53	108	62
Total Dissolved Solids	mg/L	2	210	213	206	266	8
Total Organic Carbon	mg/L C	8	1.6	1.5	<0.6	2.1	36
Trihalomethanes	mg/L	60	0.008	0.009	0.003	0.015	240
Turbidity	NTU	60	0.05	0.06	0.03	0.40	240
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	8
Zinc	mg/L	2	<0.0053	<0.0053	<0.0053	<0.0053	8
Bacteriological Data							
Coliforms, total	PA/100 mL	60	Absent	Absent	Absent	Absent	241
E. coli	PA/100 mL	60	Absent	Absent	Absent	Absent	241