

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

June 2018

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity, total	mg CaCO3/L	60	113	123	66	167	362
Aluminum	mg/L	2	0.057	0.065	0.023	0.087	12
Arsenic	mg/L	2	0.0003	<0.0002	<0.0002	0.0003	12
Bromate, dissolved	mg/L	14	<0.00	<0.01	<0.01	<0.01	96
Bromodichloromethane	ug/L	60	0.5	<0.5	<0.5	2.0	362
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	12
Chlorate, dissolved	mg/L	14	<0.1	<0.1	<0.1	0.2	96
Chloride, dissolved	mg/L	14	5.60	5.46	3.66	17.50	96
Chlorine, total	mg/L	60	2.12	2.04	1.72	2.50	363
Chlorite, dissolved	mg/L	14	<0.20	<0.20	<0.20	<0.20	96
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	0.0004	12
Colour	TCU	60	1	<1	<1	2	362
Conductivity	uS/cm	8	377	387	361	456	52
Copper	mg/L	2	<0.0050	<0.0053	<0.0053	<0.0053	12
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	13
Fluoride, dissolved	mg/L	60	0.67	0.67	0.53	0.76	362
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	13
Haloacetic Acids, total (HAA5)	ug/L	2	26.4	12.3	8.0	26.8	12
Hardness, Calcium	mg CaCO3/L	60	109	115	81	140	362
Hardness, total	mg CaCO3/L	60	165	174	116	207	362
Iron	mg/L	2	<0.0050	<0.0053	<0.0053	<0.0053	12
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	12
Manganese	mg/L	2	<0.0020	<0.0021	<0.0021	0.0320	12
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	12
NDMA	ng/L	2	1.64	1.25	0.66	3.80	12
Nitrate (as N), dissolved	mg/L	14	0.044	0.095	<0.010	0.574	96
Nitrite (as N), dissolved	mg/L	14	<0.01	<0.01	<0.01	<0.01	96
pH	N/A	60	7.8	7.9	7.4	8.2	362
Potassium	mg/L	2	0.80	0.70	0.60	2.55	12
Sodium	mg/L	2	10.21	6.84	6.36	32.90	12
Sulphate, dissolved	mg/L	14	67	61	53	120	96
Total Dissolved Solids	mg/L	2	221	215	206	266	12
Total Organic Carbon	mg/L C	8	2.0	1.8	<0.6	6.8	54
Trihalomethanes	mg/L	60	0.022	0.011	0.003	0.032	362
Turbidity	NTU	60	0.05	0.05	0.03	0.40	362
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	12
Zinc	mg/L	2	0.0056	<0.0053	<0.0053	0.0060	12
Bacteriological Data							
Coliforms, total	PA/100 mL	60	Absent	Absent	Absent	Absent	363
E. coli	PA/100 mL	60	Absent	Absent	Absent	Absent	363