

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

July 2018

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity, total	mg CaCO3/L	62	112	117	66	167	424
Aluminum	mg/L	2	0.088	0.069	0.023	0.097	14
Arsenic	mg/L	2	0.0003	<0.0002	<0.0002	0.0003	14
Bromate, dissolved	mg/L	18	<0.02	<0.02	<0.02	<0.02	114
Bromodichloromethane	ug/L	62	<0.5	<0.5	<0.5	2.0	424
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	14
Chlorate, dissolved	mg/L	18	<0.1	<0.5	<0.5	<0.5	114
Chloride, dissolved	mg/L	18	5.66	5.46	3.66	17.50	114
Chlorine, total	mg/L	62	2.24	2.06	1.72	2.50	425
Chlorite, dissolved	mg/L	18	<0.05	<1.00	<1.00	<1.00	114
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	0.0004	14
Colour	TCU	62	<1	<1	<1	2	424
Conductivity	uS/cm	10	380	384	356	456	62
Copper	mg/L	2	<0.0050	<0.0053	<0.0053	<0.0053	14
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	15
Fluoride, dissolved	mg/L	62	0.66	0.67	0.53	0.76	424
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	15
Haloacetic Acids, total (HAA5)	ug/L	2	40.7	12.4	8.0	41.6	14
Hardness, Calcium	mg CaCO3/L	62	109	113	81	140	424
Hardness, total	mg CaCO3/L	62	165	171	116	207	424
Iron	mg/L	2	<0.0050	<0.0053	<0.0053	<0.0053	14
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	14
Manganese	mg/L	2	<0.0020	<0.0021	<0.0021	0.0320	14
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	14
NDMA	ng/L	2	3.40	1.45	0.66	4.40	14
Nitrate (as N), dissolved	mg/L	18	<0.031	0.090	<0.050	0.574	114
Nitrite (as N), dissolved	mg/L	18	<0.01	<0.02	<0.02	<0.02	114
pH	N/A	62	7.8	7.9	7.4	8.2	424
Potassium	mg/L	2	0.74	0.70	0.60	2.55	14
Sodium	mg/L	2	7.89	7.11	6.36	32.90	14
Sulphate, dissolved	mg/L	18	70	62	53	120	114
Total Dissolved Solids	mg/L	2	234	220	206	266	14
Total Organic Carbon	mg/L C	10	2.1	1.8	<0.6	6.8	64
Trihalomethanes	mg/L	62	0.024	0.012	0.003	0.034	424
Turbidity	NTU	62	0.05	0.05	0.03	0.40	424
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	14
Zinc	mg/L	2	<0.0050	<0.0053	<0.0053	0.0060	14
Bacteriological Data							
Coliforms, total	PA/100 mL	62	Absent	Absent	Absent	Absent	425
E. coli	PA/100 mL	62	Absent	Absent	Absent	Absent	425