TORONTO

Drinking Water Analysis **SUMMARY 2025**

Drinking Water Analysis Summary for all Plants and Distribution for January 1 to December 31, 2025

Parameters	Units	Aesthetic Objective/ Operational Guideline	Maximum Acceptable Concentration/Interim Maximum Acceptable Concentration	Sampling Date	Number of Samples	Reporting Limit	Number of Detectable Results	Maximum	Minimum	Average
Microbiological Parameter										
E. coli - Presence/Absence			A	1/01 - 12/31	11792		1	Present	Absent	99.99 % Absent
Ecoli - Quantitray	MPN/100mL			1/01 - 12/31	350		0	0	0	0
Heterotrophic Plate Count	CFU/mL			1/01 - 12/31	11804		1332	5700	0	3
Total Coliform - Presence/Absence			A	1/01 - 12/31	11792		40	Present	Absent	99.66 % Absent
Total Coliform - Quantitray	MPN/100mL			1/01 - 12/31	350		105	201	0	3.9
Microcystin	µg/L		1.5	1/01 - 12/31	96	0.10	0	0	0	0
Operational Parameters										
Aluminum	mg/L	0.1		1/01 - 12/31	232	0.01	231	0.18	0	0.03
Fluoride	mg/L		1.5	1/01 - 12/31	1609	0.10	1609	0.83	0.15	0.65
Total Chlorine residual (Chloramines)	mg/L		3.0	1/01 - 12/31	6635	0.1	6635	2.5	0.28	1.6
Turbidity (Distribution only)	NTU	5		1/01 - 12/31	6635	0.1	5776	5.0	0	0.3
General Chemical and Physical Parameters										
Alkalinity	mg/L	30-500		1/01 - 12/31	129	5.0	129	99.6	87.0	93.2
Conductivity	µmhos/cm			1/01 - 12/31	117	1.5	117	411	309	324
Hardness (as CaCO3 - calculated)	mg/L	80-100		1/01 - 12/31	119	1	119	122	115	119
pH		6.5-8.5		1/01 - 12/31	970		970	7.8	7.3	7.5
TOC	mg/L	5		1/01 - 12/31	46	1.0	46	2.1	1.4	1.8
Dissolved Solids (calculated)	mg/L	500		1/01 - 12/31	117	3.25	117	267	201	210
Inorganic Parameters										
Antimony	mg/L		0.006	1/01 - 12/31	26	0.0005	0	0	0	0
Arsenic	mg/L		0.01	1/01 - 12/31	26	0.00005	26	0.00110	0.00040	0.00075
Barium	mg/L		1.0	1/01 - 12/31	26	0.0005	26	0.0248	0.0202	0.0226
Beryllium	mg/L			1/01 - 12/31	26	0.00005	0	0	0	0
Boron	mg/L		5.0	1/01 - 12/31	26	0.005	26	0.026	0.021	0.022
Cadmium	mg/L		0.005	1/01 - 12/31	26	0.00001	1	0.00002	0	0.000001
Caesium	mg/L			1/01 - 12/31	26	0.00001	1	0.00002	0	0.000001
Calcium	mg/L			1/01 - 12/31	119	0.2	119	34.8	32.1	33.5
Chloride	mg/L	250		1/01 - 12/31	119	0.2	119	55.5	24.6	27.5
Chromium	mg/L		0.05	1/01 - 12/31	26	0.0002	19	0.0004	0	0.0002
Cobalt	mg/L			1/01 - 12/31	27	0.00001	3	0.0003	0	0.00001

Parameters	Units	Aesthetic Objective/ Operational Guideline	Maximum Acceptable Concentration/Interim Maximum Acceptable Concentration	Sampling Date	Number of Samples	Reporting Limit	Number of Detectable Results	Maximum	Minimum	Average
Copper	mg/L	1		1/01 - 12/31	112	0.0008	111	0.41	0	0.0058
Cyanide (Free)	mg/L		0.2	1/01 - 12/31	16	0.003	0	0	0	0
Iron	mg/L	0.3		1/01 - 12/31	103	0.01	78	0.3	0	0.02
Lead	mg/L		0.010	1/01 - 12/31	99	0.00005	68	0.0068	0	0.00034
Magnesium	mg/L			1/01 - 12/31	119	0.1	119	8.9	8.4	8.5
Manganese	mg/L	0.05		1/01 - 12/31	26	0.0005	8	0.011	0	0.0006
Mercury	mg/L		0.001	1/01 - 12/31	16	0.00005	0	0	0	0
Molybdenum	mg/L			1/01 - 12/31	26	0.00003	26	0.0012	0.0010	0.0011
Nickel	mg/L			1/01 - 12/31	26	0.0002	25	0.0006	0	0.0004
Nitrate	mg/L		10.0	1/01 - 12/31	119	0.01	119	0.51	0.16	0.34
Nitrite	mg/L		1.0	1/01 - 12/31	119	0.002	76	0.006	0	0.0018
Orthophosphate	mg/L			1/01 - 12/31	1703	0.50	1702	5.0	0	1.4
Potassium	mg/L			1/01 - 12/31	120	0.05	120	1.70	1.50	1.60
Selenium	mg/L		0.05	1/01 - 12/31	26	0.0005	1	0.0005	0	0.00002
Silver	mg/L			1/01 - 12/31	26	0.00001	4	0.0002	0	0.000003
Sodium	mg/L	200		1/01 - 12/31	157	0.4	157	29.9	13.1	14.8
Strontium	mg/L			1/01 - 12/31	26	0.003	26	0.177	0.159	0.168
Sulphate	mg/L	500		1/01 - 12/31	119	0.2	119	28.3	22.3	25.3
Terbium	mg/L			1/01 - 12/31	26	0.00005	0	0	0	0
Thallium	mg/L			1/01 - 12/31	26	0.00005	0	0	0	0
Tin	mg/L			1/01 - 12/31	26	0.0005	0	0	0	0
Titanium	mg/L			1/01 - 12/31	26	0.0002	26	0.0010	0.0005	0.0007
Tungsten	mg/L			1/01 - 12/31	26	0.00005	25	0.00012	0	0.00007
Uranium	mg/L		0.02	1/01 - 12/31	26	0.00005	25	0.00040	0	0.00033
Vanadium	mg/L			1/01 - 12/31	26	0.00005	26	0.00031	0.00015	0.00023
Zinc	mg/L	5		1/01 - 12/31	26	0.01	1	0.010	0	0.0004
Disinfection Byproducts- Trihalomethanes										
Bromodichloromethane	µg/L			1/01 - 12/31	73	0.2	73	8.4	1.6	3.4
Bromoform	µg/L			1/01 - 12/31	73	0.2	31	0.6	0	0.2
Chloroform	µg/L			1/01 - 12/31	73	0.2	73	14.0	2.0	4.1
Dibromochloromethane	µg/L			1/01 - 12/31	73	0.2	73	4.8	1.5	2.4
THM (total)	µg/L		100	1/01 - 12/31	73	0.2	73	26.8	5.2	8.4
THM (total - end of line)	µg/L		100	1/01 - 12/31	12	0.2	12	26.8	5.6	12.0
Disinfection Byproducts- Haloacetic acids										
Bromoacetic acid	µg/L			1/01 - 12/31	60	2.0	0	0	0	0
Bromochloroacetic acid	µg/L			1/01 - 12/31	60	1.2	38	2.9	0	1.2
Chloroacetic acid	µg/L			1/01 - 12/31	60	2.0	0	0	0	0
Dibromoacetic acid	µg/L			1/01 - 12/31	60	2.0	0	0	0	0
Dichloroacetic acid	µg/L			1/01 - 12/31	60	1.0	55	4.6	0	1.8
HAA-5 (total)	µg/L	80		1/01 - 12/31	60	2.0	48	7.7	0	3.0
Trichloroacetic acid	µg/L			1/01 - 12/31	60	0.8	49	3.4	0	1.3

Parameters	Units	Aesthetic Objective/ Operational Guideline	Maximum Acceptable Concentration/Interim Maximum Acceptable Concentration	Sampling Date	Number of Samples	Reporting Limit	Number of Detectable Results	Maximum	Minimum	Average
Disinfection Byproducts- Other										
1,1,1-Trichloro-2-propanone	µg/L			1/01 - 12/31	16	0.50	0	0	0	0
1,1-Dichloro-2-propanone	µg/L			1/01 - 12/31	16	0.50	0	0	0	0
Bromate	mg/L		0.01	1/01 - 12/31	24	0.003	19	0.005	0	0.0014
Bromochloroacetonitrile	µg/L			1/01 - 12/31	16	0.50	1	0.50	0	0.03
Chloropicrin	µg/L			1/01 - 12/31	16	0.50	0	0	0	0
Dibromoacetonitrile	µg/L			1/01 - 12/31	16	0.50	0	0	0	0
Dichloroacetonitrile	µg/L			1/01 - 12/31	16	0.50	1	0.50	0	0.03
Trichloroacetonitrile	µg/L			1/01 - 12/31	16	0.50	0	0	0	0
Organic Parameters										
1,1,1-Trichloroethane	µg/L			1/01 - 12/31	71	0.2	0	0	0	0
1,1,2,2-Tetrachloroethane	µg/L			1/01 - 12/31	71	0.2	0	0	0	0
1,1,2-Trichloroethane	µg/L			1/01 - 12/31	71	0.2	0	0	0	0
1,1-Dichloroethane	µg/L			1/01 - 12/31	71	0.2	0	0	0	0
1,1-Dichloroethylene	µg/L		14	1/01 - 12/31	71	0.2	0	0	0	0
1,2-Dibromoethane	µg/L			1/01 - 12/31	71	0.2	0	0	0	0
1,2-Dichlorobenzene	µg/L	3	200	1/01 - 12/31	71	0.2	0	0	0	0
1,2-Dichloroethane	µg/L		5	1/01 - 12/31	71	0.2	0	0	0	0
1,2-Dichloropropane	µg/L			1/01 - 12/31	71	0.2	0	0	0	0
1,3-Dichlorobenzene	µg/L			1/01 - 12/31	71	0.2	0	0	0	0
1,4-Dichlorobenzene	µg/L	1	5	1/01 - 12/31	71	0.2	0	0	0	0
2,3,4,6-Tetrachloroanisole	µg/L			1/01 - 12/31	64	0.003	0	0	0	0
2,3,4,6-Tetrachlorophenol	µg/L	1	100	1/01 - 12/31	12	1.0	0	0	0	0
2,3,6-Trichloroanisole	µg/L			1/01 - 12/31	64	0.003	0	0	0	0
2,4,6-Trichlorophenol	µg/L	2	5	1/01 - 12/31	12	0.5	0	0	0	0
2,4,6-Trichloroanisole	µg/L			1/01 - 12/31	64	0.003	0	0	0	0
2,4-Dichloroanisole	µg/L			1/01 - 12/31	64	0.003	0	0	0	0
2,4-Dichlorophenol	µg/L	0.3	900	1/01 - 12/31	12	0.5	0	0	0	0
2-Isobutyl-3-methoxypyrazine	µg/L			1/01 - 12/31	64	0.003	0	0	0	0
2-Isopropyl-3-methoxypyrazine	µg/L			1/01 - 12/31	64	0.003	0	0	0	0
2-Methylisoborneol(MIB)	µg/L			1/01 - 12/31	64	0.003	0	0	0	0
Benzene	µg/L		1	1/01 - 12/31	73	0.1	0	0	0	0
Benzo(a)pyrene	µg/L		0.01	1/01 - 12/31	16	0.01	0	0	0	0
Bromomethane	µg/L			1/01 - 12/31	73	0.2	0	0	0	0
Carbon Tetrachloride	µg/L		2	1/01 - 12/31	73	0.2	0	0	0	0
Chlorobenzene	µg/L	30	80	1/01 - 12/31	73	0.2	0	0	0	0
Chloroethane	µg/L			1/01 - 12/31	73	0.2	0	0	0	0
Chloromethane	µg/L			1/01 - 12/31	73	0.2	0	0	0	0
cis-1,2-Dichloroethylene	µg/L			1/01 - 12/31	73	0.2	0	0	0	0
cis-1,3-Dichloropropylene	µg/L			1/01 - 12/31	73	0.2	0	0	0	0
Dichlorodifluoromethane	µg/L			1/01 - 12/31	73	0.2	0	0	0	0
Dichloromethane(Methylene Chloride)	µg/L		50	1/01 - 12/31	73	0.3	22	15.0	0	1.5
Ethylbenzene	µg/L	2.4	140	1/01 - 12/31	73	0.2	0	0	0	0
Geosmin	µg/L			1/01 - 12/31	64	0.003	7	9.1	0	0.7

Parameters	Units	Aesthetic Objective/ Operational Guideline	Maximum Acceptable Concentration/Interim Maximum Acceptable Concentration	Sampling Date	Number of Samples	Reporting Limit	Number of Detectable Results	Maximum	Minimum	Average
m-& p-Xylene	µg/L			1/01 - 12/31	73	0.3	0	0	0	0
NDMA	µg/L		0.009	1/01 - 12/31	16	0.0009	11	0.004	0	0.001
o-Xylene	µg/L			1/01 - 12/31	73	0.2	0	0	0	0
Pentachlorophenol	µg/L	30	60	1/01 - 12/31	12	0.5	0	0	0	0
Styrene	µg/L			1/01 - 12/31	73	0.2	0	0	0	0
Tetrachloroethylene	µg/L		10	1/01 - 12/31	73	0.2	0	0	0	0
Toluene	µg/L	24	60	1/01 - 12/31	73	0.2	0	0	0	0
trans-1,2-Dichloroethylene	µg/L			1/01 - 12/31	73	0.2	0	0	0	0
trans-1,3-Dichloropropylene	µg/L			1/01 - 12/31	73	0.2	0	0	0	0
Trichloroethylene	µg/L		5	1/01 - 12/31	73	0.2	0	0	0	0
Trichlorofluoromethane	µg/L			1/01 - 12/31	73	0.2	0	0	0	0
Vinyl Chloride	µg/L		1	1/01 - 12/31	73	0.1	0	0	0	0
Xylenes (total) calculated	µg/L	300	90	1/01 - 12/31	73	0.3	0	0	0	0
Pesticides										
2,4-D	µg/L		100	1/01 - 12/31	12	0.028	0	0	0	0
Alachlor	µg/L		5	1/01 - 12/31	12	0.0005	0	0	0	0
Atrazine	µg/L			1/01 - 12/31	12	0.0005	12	0.047	0.030	0.041
Atrazine + N-dealkylated metabolites	µg/L		5	1/01 - 12/31	12	0.0025	12	0.089	0.070	0.085
Azinphos Methyl (Guthion)	µg/L		20	1/01 - 12/31	12	0.001	0	0	0	0
Bromoxynil	µg/L		5	1/01 - 12/31	12	0.075	0	0	0	0
Caffeine	µg/L			1/01 - 12/31	11	0.020	0	0	0	0
Carbaryl	µg/L		90	1/01 - 12/31	12	0.0015	0	0	0	0
Carbofuran	µg/L		90	1/01 - 12/31	11	0.0025	0	0	0	0
Chlorpyrifos (Dursban)	µg/L		90	1/01 - 12/31	12	0.01	0	0	0	0
Des-ethyl atrazine	µg/L			1/01 - 12/31	12	0.0025	12	0.055	0.037	0.044
Diazinon	µg/L		20	1/01 - 12/31	12	0.0005	0	0	0	0
Dicamba	µg/L		120	1/01 - 12/31	12	0.2	0	0	0	0
Diclofop-methyl	µg/L		9	1/01 - 12/31	12	0.5	0	0	0	0
Dimethoate	µg/L		20	1/01 - 12/31	12	0.001	0	0	0	0
Diquat	µg/L		70	1/01 - 12/31	4	1.0	0	0	0	0
Diuron	µg/L		150	1/01 - 12/31	12	0.001	8	0.002	0	0.001
Glyphosate	µg/L		280	1/01 - 12/31	4	25	0	0	0	0
Malathion	µg/L		190	1/01 - 12/31	12	0.001	0	0	0	0
MCPA (2-methyl-4-chlorophenoxyacetic acid)	µg/L		100	1/01 - 12/31	11	0.2	0	0	0	0
Metolachlor	µg/L		50	1/01 - 12/31	12	0.001	12	0.016	0.003	0.009
Metribuzin (Sencor)	µg/L		80	1/01 - 12/31	12	0.001	0	0	0	0
Paraquat	µg/L		10	1/01 - 12/31	4	1.0	0	0	0	0
PCBs	µg/L		3	1/01 - 12/31	16	0.3	0	0	0	0
Phorate	µg/L		2	1/01 - 12/31	12	0.01	0	0	0	0
Picloram	µg/L		190	1/01 - 12/31	12	0.3	0	0	0	0
Prometryne	µg/L		1	1/01 - 12/31	12	0.0005	0	0	0	0
Simazine	µg/L		10	1/01 - 12/31	12	0.001	12	0.003	0.002	0.003
Terbufos	µg/L		1	1/01 - 12/31	12	0.006	0	0	0	0
Triallate	µg/L		230	1/01 - 12/31	11	0.01	0	0	0	0
Trifluralin	µg/L		45	1/01 - 12/31	12	0.265	0	0	0	0

Parameters	Units	Aesthetic Objective/ Operational Guideline	Maximum Acceptable Concentration/Interim Maximum Acceptable Concentration	Sampling Date	Number of Samples	Reporting Limit	Number of Detectable Results	Maximum	Minimum	Average
Per and Polyfluoroalkyl substances (PFAS)										
n-Perfluorobutane sulfonic acid (PFBS)	µg/L			1/01 - 12/31	16	0.002	0	0	0	0
n-Perfluorohexane sulfonic acid (PFHxS)	µg/L			1/01 - 12/31	16	0.002	0	0	0	0
n-Perfluorooctane sulfonic acid (PFOS)	µg/L			1/01 - 12/31	16	0.002	0	0	0	0
n-Perfluorodecane sulfonic acid (PFDS)	µg/L			1/01 - 12/31	16	0.002	0	0	0	0
n-Perfluorooctane sulfonamide (PFOSA)	µg/L			1/01 - 12/31	15	0.002	0	0	0	0
n-Perfluorohexanoic acid (PFHxA)	µg/L			1/01 - 12/31	16	0.002	0	0	0	0
n-perfluoroheptanoic acid (PFHpA)	µg/L			1/01 - 12/31	16	0.002	0	0	0	0
n-perfluorooctanoic acid (PFOA)	µg/L			1/01 - 12/31	16	0.002	0	0	0	0
n-perfluorononanoic acid (PFNA)	µg/L			1/01 - 12/31	15	0.002	0	0	0	0
n-perfluorodecanoic acid (PFDA)	µg/L			1/01 - 12/31	15	0.002	0	0	0	0
n-perfluoroundecanoic acid (PFUnA)	µg/L			1/01 - 12/31	15	0.002	0	0	0	0
n-perfluorododecanoic acid (PFDoA)	µg/L			1/01 - 12/31	15	0.002	0	0	0	0
n-Perfluorobutanoic acid (PFBA)	µg/L			1/01 - 12/31	4	0.002	4	0.002	0.002	0.002
n-perfluoropentanoic acid (PFPeA)	µg/L			1/01 - 12/31	4	0.002	0	0	0	0

Notes:

- Microbiological Presence-Absence (P/A) samples include treated water samples from the water treatment plants, distribution samples, as well as samples collected after watermain repair work and water quality inquiry.
- Microbiological analysis for resamples and vicinities is conducted using the Idexx Quantitray technique.
- Chlorine residual values are for the distribution system which is a chloraminated system.

Where standards are based on sums of components, the following calculations are used:

- Atrazine + N-dealkylated metabolites = Atrazine + Desethylatrazine
- HAA5 (total) = Bromoacetic acid + Chloroacetic acid + Dibromoacetic acid + Dichloroacetic acid + Trichloroacetic acid
- PCB total = Arochlor 1232 + 1242 + 1248 + 1254 + 1260 + 1262
- THM (total) = Bromodichloromethane + Bromoform + Chloroform + Dibromochloromethane
- Xylenes (total) = m- & p-Xylene + o-Xylene

All results below Reporting limit are recorded as zero in this summary

AO/OG	Aesthetic Objective/Operational Guideline
MAC/IMAC	Maximum Acceptable Concentration/Interim Maximum Acceptable Concentration
P/A	Presence/Absence
mg/L	milligrams per litre
µg/L	micrograms per litre
NTU	Nephelometric Turbidity Unit
CFU	Colony forming unit
MPN	Most probable number
µmhos/cm	Micromhos per centimeter