

Chemical Analysis of Hamilton City Water - January 2014 to December 2014

	<u>Minimum</u>	<u>Unit</u>	<u>Maximum</u>	<u>Unit</u>	<u>Average</u>	<u>Unit</u>
Distribution						
Chlorine free	< 0.02	mg/L	0.30	mg/L	0.06	mg/L
Combined Chlorine	0.21	mg/L	2.65	mg/L	1.75	mg/L
Total Trihalomethanes	9.7	ug/L	19.6	ug/L	15.1	ug/L
TreatedWater						
Alkalinity	81	mg/L	90	mg/L	87	mg/L
Aluminum	0.029	mg/L	0.245	mg/L	0.077	mg/L
Ammonia + Ammonium as N	0.38	mg/L	0.78	mg/L	0.57	mg/L
Barium	0.021	mg/L	0.024	mg/L	0.023	mg/L
Beryllium	< 0.0001	mg/L	<0.0001	mg/L	< 0.0001	mg/L
Boron	0.022	mg/L	0.041	mg/L	0.029	mg/L
Cadmium	< 0.0001	mg/L	<0.0001	mg/L	< 0.0001	mg/L
Calcium	32.6	mg/L	36.9	mg/L	34.6	mg/L
Chloride	29.1	mg/L	34.8	mg/L	31.0	mg/L
Chlorine free	0.02	mg/L	0.26	mg/L	0.09	mg/L
Chromium	< 0.001	mg/L	<0.001	mg/L	< 0.001	mg/L
Cobalt	< 0.0009	mg/L	<0.0009	mg/L	< 0.0009	mg/L
Combined Chlorine	1.74	mg/L	2.77	mg/L	2.40	mg/L
Conductivity	315	umhos/cm	372	umhos/cm	334	umhos/cm
Copper	< 0.002	mg/L	<0.002	mg/L	< 0.002	mg/L
Fluoride	0.46	mg/L	0.73	mg/L	0.60	mg/L
Hardness	116	mg/L	131	mg/L	123	mg/L
Iron	< 0.010	mg/L	<0.010	mg/L	< 0.010	mg/L
Lead	< 0.0010	mg/L	<0.0010	mg/L	< 0.0010	mg/L
Magnesium	8.41	mg/L	9.53	mg/L	8.96	mg/L
Manganese	< 0.001	mg/L	<0.001	mg/L	< 0.001	mg/L
Mercury	< 0.05	ug/L	<0.05	ug/L	< 0.05	ug/L
Molybdenum	< 0.005	mg/L	<0.005	mg/L	< 0.005	mg/L
Nickel	< 0.005	mg/L	<0.005	mg/L	< 0.005	mg/L
Nitrate as N	0.24	mg/L	0.58	mg/L	0.42	mg/L
Nitrite as N	< 0.01	mg/L	0.07	mg/L	0.01	mg/L
pH	7.79	pH	8.15	pH	7.97	pH
Potassium	1.69	mg/L	1.79	mg/L	1.73	mg/L
Sodium	13.8	mg/L	17.6	mg/L	15.1	mg/L
Strontium	0.181	mg/L	0.202	mg/L	0.192	mg/L
Uranium	0.000239	mg/L	0.000239	mg/L	0.000239	mg/L
Vanadium	< 0.002	mg/L	<0.002	mg/L	< 0.002	mg/L
Zinc	< 0.005	mg/L	<0.005	mg/L	< 0.005	mg/L

For the average value calculations, when the result is less than the Method Detection Limit, the value of the Method Detection Limit is used.