

Chromium Testing in Madison, WI

Madison Water Utility annually tests water from each of its wells for 25+ inorganic constituents including chromium. The ranges of total chromium observed in the last four years are shown in the table below:

Total Chromium Concentration (ug/L)

Year	Minimum	Median	Maximum	MCL	MCLG
2010	<0.8	1.0	2.7	100	100
2009	0.26	0.84	2.5	100	100
2008	<0.2	0.52	2.1	100	100
2007	0.32	0.8	2.0	100	100

MCL = Maximum Contaminant Level, the legal limit

MCLG = Maximum Contaminant Level Goal, the public health goal

Total chromium is regulated by EPA as a primary drinking water contaminant with a maximum contaminant level (MCL) and maximum contaminant level goal (MCLG) of 100 ug/L. Levels below the MCLG are not believed to result in any known or expected risk to health. There are no current federal or state regulations governing hexavalent chromium, which is also known as chromium (VI) or chromium-6.

Hexavalent chromium is just one of several oxidation states of the chromium atom. Another form, chromium (III), occurs naturally in many vegetables, fruits, meats, and grains. It is an essential element in human health and is needed for normal glucose, protein and fat metabolism.

Click on the links below for additional information and resources:

[*Which Well\(s\) Serves Your Address*](#) (Madison Water Utility)

[*Basic Information about Chromium in Drinking Water*](#) (US EPA)

[*Technical Fact Sheet on Chromium*](#) (US EPA)

[*Public Health Statement for Chromium*](#) (ATSDR)

[*Information on Chromium Compounds*](#) (US EPA)

Click [here](#) to return to the Water Quality page.