

WATER QUALITY DATA

The City of Boulder routinely monitors for constituents in drinking water according to federal and state laws. The data presented in this report are the result of monitoring for the period of Jan. 1 to Dec. 31, 2015 or from the most recent testing done in accordance with regulations. The CDPHE does not require the City of Boulder to monitor all constituents each year because the concentrations of some constituents are not expected to vary significantly from year to year or because the City of Boulder's system is not considered vulnerable to that type of constituent. Therefore, some of the data, though representative, may be more than one year old.

CONSTITUENTS DETECTED

Constituent	Units	MCL	MCLG	Result	Violation (Yes / No)	Sample Date	Typical Source of Constituent
Barium	ppm	2	2	0.01 average 0.01 - 0.02 range	No	2015	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Chlorine	ppm	MRDL = 4	MRDLG = 4	0.76 average 0.02 - 1.25 range	No	At least 120 samples per month in 2015	Water additive used to control microbes
Fluoride	ppm	4	4	0.75 average 0.23 - 1.18 range	No	Daily 2015	Erosion of natural deposits; water additive which promotes strong teeth
Sodium (not regulated)	ppm	NE	NE	3.8 average 2.8 - 4.7 range	No	2015	Erosion of natural deposits
Total Coliform Bacteria	Absent or Present	No more than 5% of at least 120 samples can be positive	0	0.81% (1 sample) of 124 samples was positive	No	Oct. 2015	Naturally present in the environment

Constituent	Units	TT Requirement	Result	Violation (Yes / No)	Sample Date	Typical Source of Constituent
Turbidity	NTU	Not to exceed 1 NTU for any single measurement	Highest single measurement: 0.14 Range: 0.01 - 0.14	No	Daily 2015	Soil Runoff
	NTU	At least 95% of month's samples must be \leq 0.3 NTU	Lowest monthly percentage of samples meeting TT standard: 100%	No	Monthly 2015	

Constituent	Units	AL	90th Percentile	Number of Sites over AL	Violation (Yes / No)	Sample Date	Typical Source of Constituent
Copper	ppm	1.3	0.17	0	No	2014	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead	ppb	15	2.18	0	No	2014	Corrosion of household plumbing systems; erosion of natural deposits

Constituent	Units	MCL	MCLG	Average	Range of All Samples	Highest LRAA	Violation* (Yes / No)	Sample Date	Typical Source of Constituent
Haloacetic Acids	ppb	60	NE	34.0	18.1 - 53.0	36.9	No	Quarterly 2015	Byproduct of drinking water disinfection
Total Trihalomethanes	ppb	80	NE	36.0	13.7 - 68.8	44.4	No	Quarterly 2015	Byproduct of drinking water disinfection

*Compliance based on LRAA

DISINFECTION BYPRODUCT PRECURSOR - Total Organic Carbon Removal Ratio

Water Treatment Facility	Compliance Factor (minimum RAA)	RAA	Violation (Yes / No)	Sample Date	Typical Source of Constituent
Betasso Water Treatment Facility	1.0	1.36	No	2015	Naturally present in the environment
Boulder Reservoir Water Treatment Facility	1.0	1.06	No	2015	Naturally present in the environment