

The Aurora-Brule Rural Water System public water system purchases 22% of their water from Randall Community Water District (0433).

## 2025 Table of Detected Regulated Contaminants For Aurora-Brule Rural Water System (EPA ID 0621)

### Terms and abbreviations used in this table:

- \* Maximum Contaminant Level Goal(MCLG): the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.
- \* Maximum Contaminant Level(MCL): the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.
- \* Action Level(AL): the concentration of a contaminant which, when exceeded, triggers treatment or other requirements which a water system must follow. For Lead and Copper, 90% of the samples must be below the AL.
- \* Treatment Technique(TT): A required process intended to reduce the level of a contaminant in drinking water. For turbidity, 95% of samples must be less than 0.3 NTU
- \* Running Annual Average(RAA): Compliance is calculated using the running annual average of samples from designated monitoring locations.

### Units:

- \*MFL: million fibers per liter
- \*pCi/l: picocuries per liter(a measure of radioactivity)
- \*ppt: parts per trillion, or nanograms per liter
- \*mrem/year: millirems per year(a measure of radiation absorbed by the body)
- \*ppm: parts per million, or milligrams per liter(mg/l)
- \*ppq: parts per quadrillion, or picograms per liter
- \*NTU: Nephelometric Turbidity Units
- \*ppb: parts per billion, or micrograms per liter(ug/l)
- \*pspm: positive samples per month

Substance	90% Level	Test Sites > Action Level	Date Tested	Highest Level Allowed (AL)	Ideal Goal	Units	Major Source of Contaminant
Copper	0.2	0	06/19/24	AL=1.3	0	ppm	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives.
Lead	4	0	06/19/24	AL=15	0	ppb	Corrosion of household plumbing systems; erosion of natural deposits.

Substance	Highest Level Detected	Range	Date Tested	Highest Level Allowed (MCL)	Ideal Goal (MCLG)	Units	Major Source of Contaminant
Alpha emitters *	6	ND - 6	12/06/21	15	0	pCi/l	Erosion of natural deposits.
Antimony	0.30	0.30 - 0.30	03/22/21	6	6	ppb	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder.
Arsenic	1.00	1.00 - 1.00	03/22/21	10	0	ppb	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes.
Atrazine *	0.430	ND - 0.430	07/31/24	3	3	ppb	Runoff from herbicide used on row crops.
Barium *	0.0416	0.0416 - 0.0377	12/06/21	2	2	ppm	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.
Barium	0.0322	0.0322 - 0.0322	03/22/21	2	2	ppm	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.
Chromium	0.68	0.68 - 0.68	03/22/21	100	100	ppb	Discharge from steel and pulp mills; erosion of natural deposits.
Fluoride *	0.56	0.52 - 0.56	12/16/25	4	<4	ppm	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.
Fluoride	0.52	0.50 - 0.50	11/04/25	4	<4	ppm	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.
Haloacetic Acids (RAA) *	12.2		09/17/25	60	0	ppb	By-product of drinking water chlorination. Results are reported as a running annual average of test results.
Haloacetic Acids (RAA)	6.48		12/30/25	60	0	ppb	By-product of drinking water chlorination. Results are reported as a running annual average of test results.
Selenium	1.42	1.42 - 1.42	03/22/21	50	50	ppb	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines.
Total Coliform Bacteria *	3	positive samples		1	0	pspm	Naturally present in the environment.
Total trihalomethanes (RAA) *	43.2		09/17/25	80	0	ppb	By-product of drinking water chlorination. Results are reported as a running annual average of test results.
Total trihalomethanes (RAA)	9.53		12/30/25	80	0	ppb	By-product of drinking water chlorination. Results are reported as a running annual average of test results.
Turbidity *	0.28	100% samples below 0.3	10/01/25	TT	NA	NTU	Soil runoff. Turbidity is a measurement of the clarity of the water.
Turbidity	0.13	100% samples below 0.3	08/01/25	TT	NA	NTU	Soil runoff. Turbidity is a measurement of the clarity of the water.

Please direct questions regarding this information to Mr Tim Pringle with the Aurora-Brule Rural Water System public water system at (605)778-6110.

Substance	Highest Level Detected	Range	Date Tested	Highest Level Allowed (MCL)	Ideal Goal (MCLG)	Units	Major Source of Contaminant
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\* Randall Community Water District (0433) test result.