TABLE OF DETECTED DRINKING WATER CONTAMINANTS

Contaminants	Violation Y/N	12 MGD WTP Detected	9 MGD WTP Detected	Unit Msmt	MCLG	MCL	Likely Source of Contamination
Chlorine	No	1.3-2.6	1.1-2.5	ppm	MRDLG=4	MRDL=4	Water additive used to control microbes
Turbidity (filtered)	No	Highest 0.13	Highest 0.13	NTU	n/a	TT	Soil runoff
Total Organic Carbon	No	1.1-2.0	1.1-1.9	ppm	n/a	TT	Soil runoff
Barium	No	0.041	0.040	ppm	2	2	Drilling wastes; metal refineries discharge; erosion
Copper	No	0.100* (0.006-0.27)		ppm	1.3	AL=1.3	Plumbing corrosion; erosion; preservative leaching
Fluoride	No	ND	0.82 (0>AL)	ppm	4	4	erosion, water additive; factory discharge.
Nitrate (as Nitrogen)	No	1.0	1.1	ppm	10	10	Fertilizer runoff; septic & sewage leach; erosion
2,4-D	No	0.34	0.38	ppb	70	70	Runoff from herbicide used on row crops
Pentachlorophenol	No	ND-0.062	ND-0.047	ppb	0	1	Discharge from wood perserving factories
Picloram	No	ND-0.17	ND-0.18	ppb	500	500	Herbicide runoff
TTHM (Total trihalomethanes)	No	Highest LRAA 39.0 (21.0-52.0)		ppb	0	0.80	By-product of drinking water chlorination
HAA5 (Total haloacetic acids)	No	Highest LRAA 36.0 (24.0-42.0)		ppb	0	0.60	By-product of drinking water chlorination
Unregulated Contaminants							
Chloroform	No	7.70	18.0	ppb	n/a	n/a	Naturally occuring, industrial discharge: runoff
Bromodichloromethane	No	2.30	4.20	ppb	n/a	n/a	Naturally occuring, industrial discharge: runoff
Secondary Contaminants							
Aluminum	No	0.031	0.034	ppm	n/a	0.2	Erosion: treatment with water additives
Chloride	No	13.5	13.6	ppm	n/a	250	Naturally occuring, industrial discharge: runoff
Hardness	No	39.5	40.3	ppm	n/a	n/a	Naturally occuring, industrial discharge: runoff
Maganese	No	ND	0.006	ppm	n/a	0.05	Erosin of natural deposits; leaching from pipes
pH	No	7.0	6.9	S.U.	n/a	n/a	Naturally occuring, industrial discharge: runoff
Sodium	No	9.4	10.1	ppm	n/a	n/a	Naturally occuring in the enviroment
Sulfate	No	9.5	9.4	ppm	n/a	250	Naturally occuring, industrial discharge: runoff
Total Dissolved Solids	No	77.0	76.0	ppm	n/a	500	Naturally occuring, industrial discharge: runoff

*figure shown is 90th and percentile and # of sample sites above the Action Level (AL) = 0

Detected UCMR5 Contaminants

Range of Detections

Contaminants	Range of Detection	Contaminants	Range of Detection
Perfluorobutanesulfonic acid (PFBS)	0.0017 - 0.0029	Perfluoroheptanoic acid (PFHpA)	0.0010 - 0.0030
Perfluorohexanoic acid (PFHxA)	0.0026 - 0.0058	Perfluorononanoic acid (PFNA)	0.0013 - 0.0018
Perfluorobutanoic acid (PFBA)	0.0038 - 0.0096	Perfluorooctanesulfonic acid (PFOS)	0.0020 - 0.0048
Perfluoropentanoic Acid (PFPeA)	0.0026 - 0.0053	Perfluorooctanoic acid (PFOA)	0.0025 - 0.0073

PFAS Contaminants (in ppb)

Contaminants	Detected	Contaminants	Detected
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	ND	Perfluoroheptanoic acid	ND-0.0061
9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid	ND	Perfluorohexanesulfonic acid	ND
4,8-dioxa-3H-perfluorononanoic acid	ND	Perfluorononanoic acid	ND-0.0034
Hexafluoropropylene oxide dimer acidA	ND	Perfluorooctanesulfonic acid	ND- 0.0082
N-ethylperfluorooctanesulfonamidoacetic acid	ND	Perfluorooctanoic acid	ND-0.011
N-methylperfluorooctanesulfonamidoacetic acid	ND	Perfluorotetradecanoic acid	ND
Perfluorobutanesulfonic acid	ND	Perfluorotridecanoic acid	ND
Perfluorodecanoic acid	ND	Perfluoroundecanoic acid	ND
Perfluorohexanoic acid	0.0018-0.0055	Total PFAS	0.0047-0.033
Perfluorododecanoic acid	ND		

Definitions

In this report you may find terms and abbreviations with which you might not be familiar. To help you better understand these terms we've provided the following definitions:

Action Level – The concentration of a contaminant that, if exceeded, triggers treatment or other requirements which a water system must follow.

Coliform Absent (ca) – Laboratory analysis indicates that the contaminant is not present.

Detected contaminant – Any regulated or unregulated contaminant detected at or above its method detection limit.

Disinfection byproducts (DBPs) –formed when disinfectants react with bromide and/or natural organic matter (i.e., decaying vegetation) present in the source water.

Locational Running Annual Average (LRAA) – Yearly average of all the DPB results at each specific sampling site in the distribution system. The highest distribution site LRAA is reported in the Table of Detected Contaminats.

Maximum Contaminant Level (MCL)– 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.

Maximum Contaminant Level Goal – 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.

Maximim Residual Disinfectant Level (MRDL) – The highest level of a disinfectant allowed in drinkin water.

Micrograms per liter (ug/L) – Equivalent to parts per billion (ppb).

Milligrams per liter (mg/L) – Equivalent to parts per million.

Millirems per year (mrem/yr) – Measure of radiation absorbed by the body.

Nephelometric Turbidity Unit (NTU) – A measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

90th Percentile – The values reported for lead and copper represent the 90th percentile. The 90th percentile is equal to or greater than 90% of the lead and copper values detected at your water system.

Non-Detected (ND) – laboratory analysis indicates that the constituent is not present above detection limits of lab equipment.

Parts per billion (ppb) or Micrograms per liter (µg/l) – One part per billion corresponds to one minute in 2,000 years, or a single penny in $10,000,000.

Parts per million (ppm) or Milligrams per liter (mg/l) – One part per million corresponds to one minute in two years or a single penny in $10,000.

Parts per quadrillion (ppq) or Picograms per liter (picograms/l) – One part per quadrillion corresponds to one minute in 2,000,000,000 years, or a single penny in $10,000,000,000,000.

Parts per trillion (ppt) or Nanograms per liter (nanograms/l) – One part per trillion corresponds to one minute in 2,000,000 years, or a single penny in $10,000,000,000.

Picocuries per liter (pCi/L) – is a measure of the radioactivity in water.

Regulated Contaminants – Contaminants for which the EPA has established drinking water standards.

Standard Units (S.U.) – pH of water measures the water's balances of acids and bases and is affected by temperature and carbon dioxide gas. Water with less than 6.5 could be acidic, soft, and corrosive. A pH greater than 8.5 could indicate that the water is hard.

Treatment Technique (TT) – A required process intended to reduce the level of a contaminant in drinking water.

Unregulated Contaminant Monitoring Rule Contaminants (UCMR) – Contaminants for which the EPA has not established drinking water standards

Variances & Exemptions (V&E) – State or EPA permission not to meet an MCL or a treatment technique under certain conditions.

The Municipal Utilities Board of Albertville routinely monitors for constituents in your drinking water according to Federal and State laws. This report contains results from the most recent monitoring which was performed in accordance with the regulatory schedule.

Below is a Table of *Primary Drinking Water Contaminants* and a list of *Unregulated Contaminants* for which our water system routinely monitors. These contaminants were *not* detected in your drinking water unless they are listed in the *Table of Detected Drinking Water Contaminants.*

As required by ADEM, we conducted a Lead Service Line Inventory during 2024, and it was confirmed that our distribution system contains no Lead service lines or galvanized materials. The Lead Service Line Inventory report and results from our latest Lead results are available for review in our office upon request. Lead is rarely found in source water but is primarily from corrosion of materials and components associated with home plumbing. Your water system is responsible for providing high quality drinking water but cannot control the variety of materials used in plumbing components. If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from www.epa.gov/safewater or by calling the EPA Safe Drinking Water Hotline at 1-800-426-4791.

Standard List of Primary Drinking Water Contaminants

Contaminant	MCL	Unit of Msmt	Detections
Bacteriological Contaminants			
Total Coliform Bacteria	<5%	present or absent	ND
Fecal Coliform and E. coli	0	present or absent	ND
Turbidity	TT	NTU	0.13
Cryptosporidium	TT	Calculated Organisms/liter	ND
Radiological Contaminants			
Beta/photon emitters	4	mrem/yr	ND
Alpha emitters	15	pCi/l	ND
Combined radium	5	pCi/l	ND
Uranium	30	pCi/l	ND
Inorganic Chemicals			
Antimony	6	ppb	ND
Arsenic	10	ppb	ND
Asbestos	7	MFL	ND
Barium	2	ppm	0.041
Beryllium	4	ppb	ND
Cadmium	5	ppb	ND
Chromium	100	ppb	ND
Copper	AL=1.3	ppm	0.100
Cyanide	200	ppb	ND
Fluoride	4	ppm	0.82
Lead	AL=15	ppb	ND
Mercury	2	ppb	ND
Nitrate	10	ppm	1.1
Nitrite	1	ppm	ND
Selenium	.05	ppm	ND
Thallium	.002	ppm	ND
Organic Contaminants			
2,4-D	70	ppb	ND
Acrylamide	TT	TT	ND
Alachlor	2	ppb	ND
Benzene	5	ppb	ND
Benzo(a)pyrene [PAHs]	200	ppt	ND
Carbofuran	40	ppb	ND
Carbon tetrachloride	5	ppb	ND
Chlordane	2	ppb	ND
Chlorobenzene	100	ppb	ND
Dalapon	200	ppb	ND
Dibromochloropropane	200	ppt	ND
1,2-Dichlorobenzene	1000	ppb	ND
1,4-Dichlorobenzene (para)	75	ppb	ND
o-Dichlorobenzene	600	ppb	ND
1,2-Dichloroethane	5	ppb	ND
1,1-Dichloroethylene	7	ppb	ND
cis-1,2-Dichloroethylene	70	ppb	ND
trans-1,2-Dichloroethylene	100	ppb	ND
Dichloromethane	5	ppb	ND
1,2-Dichloropropane	5	ppb	ND
Di (2-ethylhexyl)adipate	400	ppb	ND
Di (2-ethylhexyl)phthalate	6	ppb	ND
Dinoseb	7	ppb	ND
Dioxin [2,3,7,8-TCDD]	30	ppq	ND
Diquat	20	ppb	ND
Endothall	100	ppb	ND
Endrin	2	ppb	ND
Epichlorohydrin	TT	TT	ND
Ethylbenzene	700	ppb	ND
Ethylene dibromide	50	ppt	ND
Glyphosate	700	ppb	ND
Heptachlor	400	ppt	ND
Heptachlor epoxide	200	ppt	ND
Hexachlorobenzene	1	ppb	ND
Hexachlorocyclopentadiene	50	ppb	ND
Lindane	200	ppt	ND
Methoxychlor	40	ppb	ND
Oxamyl [Vydate]	200	ppb	ND
Polychlorinated biphenyls	0.5	ppb	ND
Pentachlorophenol	1	ppb	0.062
Picloram	500	ppb	0.18
Simazine	4	ppb	ND
Styrene	100	ppb	ND
Tetrachloroethylene	5	ppb	ND
Toluene	1	ppm	ND
Toxaphene	3	ppb	ND
2,4,5-TP(Silvex)	50	ppb	ND
1,2,4-Trichlorobenzene	.07	ppm	ND
1,1,1-Trichloroethane	200	ppb	ND
1,1,2-Trichloroethane	5	ppb	ND
Trichloroethylene	5	ppb	ND
Vinyl Chloride	2	ppb	ND
Xylenes	10	ppm	ND
Disinfectants & Disinfection Byproducts			
Chlorine	4	ppm	1.3-2.6
Chlorite	1	ppm	ND
HAA5 [Total haloacetic acids]	60	ppb	39.0
TTHM [Total trihalomethanes]	80	ppb	36.0