

TOWN OF LONGVIEW
Tables of Detected Contaminants

Disinfectant Residuals Summary

	Year Sampled	MRDL Violation Y/N	Your Water (highest RAA)	Range		MRDLG	MRDL	Likely Source of Contamination
				Low	High			
Chlorine (ppm)	2023	N	1.16	0.18	1.89	4	4.0	Water additive used to control microbes

Stage 2 Disinfection Byproduct Compliance - Based upon Locational Running Annual Average (LRAA)

Disinfection Byproduct	Year Sampled	MCL Violation Y/N	Your Water (highest LRAA)	Range		MCLG	MCL	Likely Source of Contamination
				Low	High			
TTHM (ppb)								
Location (B01)	2023	N	57	36	95	N/A	80	Byproduct of drinking water disinfection
Location (B02)	2023	N	52	15	40	N/A	80	Byproduct of drinking water disinfection
HAA5 (ppb)								
Location (B01)	2023	N	26	20	31	N/A	60	Byproduct of drinking water disinfection
Location (B02)	2023	N	30	15	40	N/A	60	Byproduct of drinking water disinfection

For TTHM: Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous systems, and may have an increased risk of getting cancer.

For HAA5: Some people who drink water containing haloacetic acids in excess of the MCL over many years may have an increased risk of getting cancer.

Lead and Copper Contaminants

Contaminant (units)	Sample Date	Your Water	Number of sites found above the AL	MCLG	AL	Likely Source of Contamination
Copper (ppm) (90 th percentile)	August 2022	0.062	0	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits
Lead (ppb) (90 th percentile)	August 2022	N/D	0	0	AL=15	Corrosion of household plumbing systems; erosion of natural deposits

WATER PURCHASED from CITY OF HICKORY

Tables of Detected Contaminants

Turbidity*

Contaminant (units)	Treatment Technique (TT) Violation Y/N	Your Water	MCLG	Treatment Technique (TT) Violation if:	Likely Source of Contamination
Turbidity (NTU) - Highest single turbidity measurement	N	0.062 NTU	N/A	Turbidity > 1 NTU	Soil runoff
Turbidity (NTU) - Lowest monthly percentage (%) of samples meeting turbidity limits	N	100 %	N/A	Less than 95% of monthly turbidity measurements are ≤ 0.3 NTU	

* Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of the effectiveness of our filtration system. The turbidity rule requires that 95% or more of the monthly samples must be less than or equal to 0.3 NTU.

Lead and Copper Contaminants

Contaminant (units)	Sample Date	Your Water	Number of sites found above the AL	MCLG	AL	Likely Source of Contamination
Copper (ppm) (90 th percentile)	August 2022	0.071	0	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits
Lead (ppb) (90 th percentile)	August 2022	N/D	0	0	AL=15	Corrosion of household plumbing systems; erosion of natural deposits

Synthetic Organic Chemical (SOC's) Contaminants Including Pesticides and Herbicides

Contaminant (units)	Sample Date	MCL Violation Y/N	Your Water	Range		MCLG	MCL	Likely Source of Contamination
				Low	High			
2,4-D (ppb)	1/10/23	N	0.34	0.2	0.48	70	70	Runoff from herbicide used on row crops
Pentachlorophenol (ppb)	1/10/23	N	0.125	0.12	0.13	0	1	Discharge from wood preserving factories
Dibromochloropropane (ppt)	1/10/23	N	36	28	44	0	200	Runoff/leaching from soil fumigant used on soybeans, cotton, pineapples and orchards
Hexachlorocyclopentadiene (ppb)	1/10/23	N	0.15	N/A		50	50	Discharge from chemical factories

Total Organic Carbon (TOC)

Contaminant (units)	TT Violation Y/N	Your Water (RAA Removal Ratio)	Range Monthly Removal Ratio Low - High	MCLG (ppm)	TT	Likely Source of Contamination	Compliance Method (Step I or ACC#)
Total Organic Carbon (removal ratio) (TOC)-TREATED	N	1.07	1.07 - 2.86	<2.00	TT	Naturally present in the environment	ACC #2

Disinfectant Residuals Summary

	Year Sampled	MRDL Violation Y/N	Your Water (highest RAA)	Range		MRDLG	MRDL	Likely Source of Contamination
				Low	High			
Chlorine (ppm)	2023	N	1.09	0.23	1.93	4	4.0	Water additive used to control microbes

Stage 2 Disinfection Byproduct Compliance - Based upon Locational Running Annual Average (LRAA)

Disinfection Byproduct	Year Sampled	MCL Violation Y/N	Your Water (highest LRAA)	Range		MCLG	MCL	Likely Source of Contamination
				Low	High			
TTHM (ppb)								
Location (B01)	2023	N	40	24	52	N/A	80	Byproduct of drinking water disinfection
Location (B02)	2023	N	70	36	105	N/A	80	Byproduct of drinking water disinfection
Location (B03)	2023	N	39	22	60	N/A	80	Byproduct of drinking water disinfection
Location (B04)	2023	N	62	34	91	N/A	80	Byproduct of drinking water disinfection
Location (B05)	2023	N	68	37	98	N/A	80	Byproduct of drinking water disinfection
Location (B06)	2023	N	48	32	62	N/A	80	Byproduct of drinking water disinfection

Location (B07)	2023	N	42	26	57	N/A	80	Byproduct of drinking water disinfection
Location (B08)	2023	N	37	22	48	N/A	80	Byproduct of drinking water disinfection
HAA5 (ppb)								
Location (B01)	2023	N	29	14	40	N/A	60	Byproduct of drinking water disinfection
Location (B02)	2023	N	28	16	40	N/A	60	Byproduct of drinking water disinfection
Location (B03)	2023	N	22	13	31	N/A	60	Byproduct of drinking water disinfection
Location (B04)	2023	N	27	17	38	N/A	60	Byproduct of drinking water disinfection
Location (B05)	2023	N	24	14	39	N/A	60	Byproduct of drinking water disinfection
Location (B06)	2023	N	38	28	47	N/A	60	Byproduct of drinking water disinfection
Location (B07)	2023	N	29	15	40	N/A	60	Byproduct of drinking water disinfection
Location (B08)	2023	N	33	12	29	N/A	60	Byproduct of drinking water disinfection

For TTHM: *Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous systems, and may have an increased risk of getting cancer.*

For HAA5: *Some people who drink water containing haloacetic acids in excess of the MLC over many years may have an increased risk of getting cancer.*

Microbiological Contaminants: 2023

Contaminant (units)	MCL Viol. Y/N	Your Water Number of Positive/Present Samples	MCLG	MCL	Likely Source of Contamination
Total Coliform Bacteria (presence or absence)	N	0	N/A	No more than 5% of monthly samples are positive	Naturally present in the environment
Fecal Coliform or E. coli (presence or absence)	N	0	0	0	Human and animal fecal waste

Inorganic Contaminants

Contaminant (units)	Sample Date	MCL Violation Y/N	Your Water	Range		MCLG	MCL	Likely Source of Contamination
				Low	High			
Fluoride (ppm)	1/7/23	N	0.80	0.00	0.80	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories

The PWS Section requires monitoring for other misc. contaminants, some for which the EPA has set national secondary drinking water standards (SMCLs) because they may cause cosmetic effects or aesthetic effects (such as taste, odor, and/or color) in drinking water. The contaminants with SMCLs normally do not have any health effects and normally do not affect the safety of your water.

Other Miscellaneous Water Characteristics Contaminants

Contaminant (units)	Sample Date	Your Water	Range		SMCL
			Low	High	
Sodium (ppm)	1/10/23	11	11	11	N/A
Sulfate (mg/L)	1/10/23	11	11	11	
pH (SU's)	1/10/23	7.5	N/A		6.5 to 8.5

Alkalinity (mg/L CaCO ₃)	1/10/23	18.4	N/A	N/A
Hardness (mg/L CaCO ₃)	1/10/23	15.9	N/A	N/A
Iron (mg/L)	1/10/23	0.01	N/A	0.3