2024 Consumer Confidence Report for Public Water System ANGUS WSC

This is your water quality report for January 1 to December 31, 2024

ANGUS WSC provides Purchased Surface Water from **Navarro Mills Lake &, Lake Halbert,** located in **Navarro County.**

For more information regarding this report contact:

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Este reporte incluye información importante sobre el agua para tomar. Para asistencia en español, favor de llamar al telefono **903-257-5494**

Definitions and Abbreviations

Definitions and Abbreviations	The following tables contain scientific terms and measures, some of which may require explanation.
Action Level:	The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must
Avg:	Regulatory compliance with some MCLs are based on running annual average of monthly samples.
Level 1 Assessment:	A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.
Level 2 Assessment:	A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an E. coli MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.
Maximum Contaminant Level or 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.
Maximum Contaminant Level Goal or 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
Maximum residual disinfectant level or	The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
Maximum residual disinfectant level goal or MRDLG:	The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
MFL	million fibers per liter (a measure of asbestos)
mrem:	millirems per year (a measure of radiation absorbed by the body)
na:	not applicable.
NTU	nephelometric turbidity units (a measure of turbidity)
pCi/L	picocuries per liter (a measure of radioactivity)

Definitions and Abbreviations

ppb:	micrograms per liter or parts per billion
ppm:	milligrams per liter or parts per million
ppq	parts per quadrillion, or picograms per liter (pg/L)
ppt	parts per trillion, or nanograms per liter (ng/L)
Treatment Technique or TT:	A required process intended to reduce the level of a contaminant in drinking water.

Information About Your Drinking Water

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPAs Safe Drinking Water Hotline at (800) 426-4791.

Contaminants that may be present in source water include:

- Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

- Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.

- Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.

- Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems.

- Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Contaminants may be found in drinking water that may cause taste, color, or odor problems. These types of problems are not necessarily causes for health concerns. For more information on taste, odor, or color of drinking water, please contact the system's business office.

You may be more vulnerable than the general population to certain microbial contaminants, such as Cryptosporidium, in drinking water. Infants, some elderly, or immunocompromised persons such as those undergoing chemotherapy for cancer; persons who have undergone organ transplants; those who are undergoing treatment with steroids; and people with HIV/AIDS or other immune system disorders, can be particularly at risk from infections. You should seek advice about drinking water from your physician or health care providers. Additional guidelines on appropriate means to lessen the risk of infection by Cryptosporidium are available from the Safe Drinking Water Hotline (800-426-4791).

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. We are responsible for providing high quality drinking water, but we cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. 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 the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead.

Information about Source Water

ANGUS WSC purchases water from CITY OF CORSICANA. CITY OF CORSICANA provides purchase surface water from **Navarro Mills Lake & Lake Halbert** located in **Navarro County**.

Inorganic Contaminants	Collection Date	Highest Level Detected	Range of individuals Samples	MCGL	MCL	Units	Violations	Likely Source of Contamination
Aluminum	2024	0.029	0.023 – 0.029	0.2	0.2 mg/L	ppm	N	Discharge of drilling Waste, Discharge from metal refineries, Erosion of natural deposits.

TCEQ completed a Source Water Susceptibility for all drinking water systems that own their sources. This report describes the susceptibility and types of constituents that may come into contact with the drinking water source based on human activities and natural conditions. The system(s) from which we purchase our water received the assessment report. For more information on source water assessments and protection efforts at our system contact **Joshua Sanchez or Brent Mitchell at 903-257-5494**.

Coliform Bacteria

Maximum Contaminant Level Goal	Total Coliform Maximum Contaminant Level	Highest No. of Positive	Fecal Coliform or E. Coli Maximum Contaminant Level	Total No. Positive E. Coli or Fecal Coliform Samples	Violations	Likely Source of Contamination
0	O positive monthly sample.	0		0	N	Naturally present in the environment

Lead and Copper	Date Sampled	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	10/21/2022	1.3	1.3	0.15	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing
Lead	10/21/2022	0	15	3.1	0	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.

2024 Water Quality Test Results

Disinfection By-Products	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Haloacetic Acids (HAA5)	2024	27	7.3 - 42.4	No goal for the total	60	ppb	N	By-product of drinking water disinfection.

*The Value of the highest level of Average Detected column is the highest average of all TTHM sample results collected at a location over a year.

Total Trihalomethanes (TTHM)	2024	65	33.2 - 104	No goal for the total	80	ppb	N	By-product of drinking water disinfection.

*The Value in the Highest Level or Average Detected column is the highest average of all TTHM sample results collected at a location over a year.

Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Nitrate (measured as Nitrogen)	2024	1	0.577 – 0.939	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
Nitrate (measured as Nitrogen)	2024	0.362	0.362 – 0.362	1	1	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

Disinfectant Residual

Disinfectant Residual	Year	Average Level	Range of Levels	MRDL	MRDLG	Unit of Measure	Violation (Y/N)	Source in Drinking Water
Chlorine Chloramines	2024	1.15	.50 -3.00	4	4	mg/L	ppm	Water additive used to control microbes.

ANGUS WATER SUPPLY CORPORATION

AVERAGE CHLORINE RESIDUAL

2024

Month	Average Residual
January	1.20
February	1.30
March	1.20
April	2.00
May	1.10
June	.90
July	.90
August	2.00
September	.70
October	1.00
November	.80
December	.80
2024 Yearly Average:	1.15

LEAD SERVICE LINE INVENTORY – Angus Water Supply has developed a lead service line inventory. The line service inventory is available for review. To receive a copy of the inventory or if you have questions about the inventory contact Joshua Sanchez at 903-257-5494 or e-mail him at: operatoranguswsc@gmail.com

CITY OF CORSICANA

Average Chlorine Residual
2024

Month	Average Residual (mg/L)
January	2.64
February	2.46
March	2.48
April	2.43
May	2.26
June	2.04
July	1.99
August	2.10
September	2.25
October	2.27
November	2.20
December	2.27
2024 Yearly Average	2.28 mg/L

Min reading	0.6 mg/L
Max Reading	3.8 mg/L

CITY OF CORSICANA

Turbidity and TOC 2024

Navarro Mills

	NTU			TOC			
Month	Average	Highest	% Compliance	Raw TOC	Tap TOC	% Removal	% Compliance
Jan	0.09	0.17	100	5.19	3.75	27.7	148
Feb	0.10	0.20	100	5.62	3.82	32.0	171
Mar	0.08	0.15	100	5.63	4.01	28.8	115
Apr	0.07	0.11	100	5.20	3.45	33.7	135
May	0.08	0.17	100	4.68	3.09	34.0	136
Jun	0.08	0.20	100	5.67	3.43	39.5	158
Jul	0.07	0.14	100	5.30	3.41	35.7	143
Aug	0.06	0.11	100	4.81	3.28	31.8	127
Sep	0.06	0.11	100	4.56	3.37	26.1	104
Oct	0.06	0.10	100	4.29	2.92	31.9	91
Nov	0.05	0.08	100	4.71	3.37	28.5	104
Dec	0.06	0.11	100	5.10	3.48	31.8	116
Average	0.07			5.06	3.45	31.8	129.0

			NTU	Raw TOC	Tap TOC	% Removal
Average Both Plants			0.07	5.26	3.57	32.1

Lake Halbert

	NTU			TOC			
Month	Average	Highest	% Compliance	Raw TOC	Tap TOC	% Removal	% Compliance
Jan	0.07	0.14	100	6.21	4.56	26.6	100
Feb	0.05	0.11	100	5.84	4.34	25.7	100
Mar	0.05	0.09	100	5.10	3.69	27.6	100
Apr	0.05	0.12	100	5.01	3.45	31.1	100
May	0.05	0.10	100	4.22	2.91	31.0	129
Jun	0.05	0.10	100	4.74	3.19	32.7	136
Jul	0.05	0.08	100	5.34	3.40	36.3	104
Aug	0.05	0.11	100	4.94	3.17	35.8	102
Sep	0.04	0.08	100	4.57	2.86	37.4	107
Oct	0.08	0.14	100	5.61	3.80	32.3	100
Nov	0.08	0.14	100	6.54	4.11	37.2	106
Dec	0.10	0.18	100	7.25	4.72	34.9	100
	0.06			5.45	3.68	32.4	107.0

TOC % compliance is based on compliance with the TCEQ rules on TOC removal. Plants must meet or exceed 100% compliance based on a running quarterly average.

CITY OF CORSICANA

Detected Regulated Contaminates for 2024

EP 1 Navarro Mills

SOC Pesticide	Detected Quantity	MCL	Date Collected	Analytical Method
Atrazine	0.3 ug/L	3 ug/L	1/31/2024	E525.2 GC/MS
Metolachlor	<0.1 ug/L	N/A	1/31/2024	E525.2 GC/MS
VOC's				
Acetone	<5.00 ug/L	N/A	8/12/2024	E524.2 GC/MS
Cholroform	40.6 ug/L	N/A	8/12/2024	E524.2 GC/MS
Bromodichloromethane	17.3 ug/L	N/A	8/12/2024	E524.2 GC/MS
Dibromochloromethane	4.10 ug/L	N/A	8/12/2024	E524.2 GC/MS
Inorganics				
Chloride	14.4 mg/L	300.0 mg/l	1/31/2024	E300.0 Anions
Fluoride	0.496 mg/L	4.0 mg/l	1/31/2024	E300.0 Anions
Nitrate (as N)	1.38 mg/L	10.0 mg/l	1/31/2024	E300.0 Anions
Sulfate	54.4 mg/L	300.0 mg/l	1/31/2024	E300.0 Anions
Total Dissolved Solids	202 mg/L	1000.0 mg/l	1/31/2024	SM2540C
Inorganics Metals Trace Elements				
Calcium	42.4 mg/L	N/A	1/31/2024	E200.7 Metals, Trace
Magnesium	3.16 mg/L	N/A	1/31/2024	E200.7 Metals, Trace
Potassium	4.68 mg/L	N/A	1/31/2024	E200.7 Metals, Trace
Sodium Total	24.0 mg/L	N/A	1/31/2024	E200.7 Metals, Trace
E200.8 ICP-MS				
Aluminum Total	0.028 mg/L	0.2 mg/l	1/31/2024	E200.8 IC-MS
Barium Total	0.044 mg/L	2.0 mg/l	1/31/2024	E200.8 IC-MS
Chromium	<0.00100 mg/L	0.10 mg/l AL	1/31/2024	E200.8 IC-MS
Copper Total	0.0036 mg/L	1.0 mg/l AL	1/31/2024	E200.8 IC-MS
Manganese Total	0.0035 mg/L	0.05 mg/l	1/31/2024	E200.8 IC-MS
Nickel Total	0.0012 mg/L	.1 mg/l	1/31/2024	E200.8 IC-MS

DEFINITIONS

ug/l	parts per billion or micrograms per liter
mg/l	parts per million or milligrams per liter

CITY OF CORSICANA

TTHM's 2024

Date of Samples	**1/31/2024**	**4/8/2024**	**8/12/2024**		
Address of Sample	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Average of Quarters
4501 E HWY 31	39.1	40.7	60.8	38.9	44.9
2117 W 15th Ave	40.9	48.5	80.8	51.7	55.5
3500 Northpark	41.6	46.3	79.4	41.3	52.2
700 E 16th Ave	40.0	46.6	72.5	47.4	51.6
Average for each quarter	40.4	45.5	73.4	44.8	51.0

Haa5's 2024

Date of Samples	**1/31/2024**	**4/8/2024**	**8/12/2024**		
Address of Sample	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Average of Quarters
4501 E HWY 31	17.2	18.0	28.5	20.9	21.2
2117 W 15th Ave	15.5	23.3	36.1	16.4	22.8
3500 Northpark	16.9	22.3	43.3	24.5	26.8
700 E 16th Ave	14.0	21.5	44.0	6.90	21.6
Average for each quarter	15.9	21.3	38.0	17.18	23.1