NTMWD Tawakoni Water Treatment Plants Water Quality Data for Year 2022

Coliform Bacteria E. Coli Total No. of Positive E. Coli or Fecal Maximum **Total Coliform Maximum** Contaminant Highest No. of Positive Violation Likely Source of Contamination Level Goal Contaminant Level Level **Coliform Samples** 1 positive monthly sample Naturally present in the environment. NOTE: Reported monthly tests found no fecal coliform bacteria. Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other,

potentially harmful, bacteria may be present.

Disinfectants and Disinfection By-Products	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Total Haloacetic Acids (HAA5)	2022	Cust#	Cust#	No goal for the total	60	ppb	Cust#	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)	2022	Cust#	Cust#	No goal for the total	80	ppb	Cust#	By-product of drinking water disinfection.
Bromate	2022	4.23	4.23 - 4.23	5	10	ppb	No	By-product of drinking water ozonation.

sampling should occur in the futur	 TCEQ only re 	quires one sample	annually for com	pliance testing.

Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Antimony	2022	Levels lower than detect level	0 - 0	6	6	ppb	No	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; and test addition.
Arsenic	2022	Levels lower than detect level	0 - 0	0	10	ppb	No	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes.
Barium	2022	0.062	0.062 - 0.062	2	2	ppm	No	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.
Beryllium	2022	Levels lower than detect level	0 - 0	4	4	ppb	No	Discharge from metal refineries and coal-burning factories; discharge from electrical, aerospace, and defense industries.
Cadmium	2022	Levels lower than detect level	0 - 0	5	5	ppb	No	Corrosion of galvanized pipes; erosion of natural deposits; discharge from metal refineries; runoff from waste batteries and paints.
Chromium	2022	Levels lower than detect level	0 - 0	100	100	ppb	No	Discharge from steel and pulp mills; erosion of natural deposits.
Cyanide	2022	Levels lower than detect level	0 - 0	200	200	ppb	No	Discharge from steel/metal factories; Discharge from plastics and fertilizer factories.
Fluoride	2022	0.197	0.197 - 0.197	4	4	ppm	No	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.
Mercury	2022	Levels lower than detect level	0 - 0	2	2	ppb	No	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills; runoff from cropland.
Nitrate (measured as Nitrogen)	2022	0.289	0.289 - 0.289	10	10	ppm	No	Runoff from fertilizer use; leaching from septic tanks; sewage; erosion of natural deposits.
Selenium	2022	Levels lower than detect level	0 - 0	50	50	ppb	No	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines.
Thallium	2022	Levels lower than detect level	0 - 0	0.5	2	ppb	No	Discharge from electronics, glass, and leaching from ore- processing sites; drug factories.

Nitrate Advisory: Nitrate in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant you should ask advice from your health care provider.

Radioactive Contaminants	Collection Date	Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Beta/photon emitters	2021	4.8	4.8 - 4.8	0	50	pCi/L	No	Decay of natural and man-made deposits.
Gross alpha excluding radon and uranium	2021	Levels lower than detect level	0 - 0	0	15	pCi/L	No	Erosion of natural deposits.
Radium	2021	Levels lower than detect level	0 - 0	0	5	pCi/L	No	Erosion of natural deposits.

NTMWD Tawakoni Water Treatment Plants Water Quality Data for Year 2022 (Cont.)

Indication Control				iter Quality De				(55	/
2, 4 221 Service brown from 0 0 10 10 10 10 10 10		Collection Date	Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Action A	2, 4, 5 - TP (Silvex)	2021		0 - 0	50	50	ppb	No	Residue of banned herbicide.
Additionable 2021	2, 4 - D	2021		0 - 0	70	70	ppb	No	Runoff from herbicide used on row crops.
Alloran Sulfonds 2011	Alachlor	2021	Levels lower than	0 - 0	0	2	ppb	No	Runoff from herbicide used on row crops.
Addisords Sulfords 2021	Aldicarb	2021		0 - 0	1	3	ppb	No	Runoff from agricultural pesticide.
ARREDO 2021 0 0 1 0.1 1 0.1 1 3 3 0 000 No Nurset from hebicible used no row ordpo. Beruo (b) gyrene 2021 1 Credit lover Itan detect level 0 - 0 0 20 0 ppt No Nurset from hebicible used no rice and affairbuling described from hebicible used on row ordpo. Cabrolarian 2021 1 Credit lover Itan described from hebicible used on rice and affairbuling described from hebicible used on rice and affairbuling from hebicible used on rice and affairbuling described from hebicible used on rice and affairbuling from hebicible used on rice and affairbuling from hebicible used on right of way. Discription of the property of the hebicible used on right of way. Discription from hebicible used on right	Aldicarb Sulfone	2021		0 - 0	1	2	ppb	No	Runoff from agricultural pesticide.
Bereto (i) pyreme	Aldicarb Sulfoxide	2021		0 - 0	1	4	ppb	No	Runoff from agricultural pesticide.
Cacholuran 2021 Carell brown than 0 - 0 40 40 40 ppb No Residue of banned semilicide.	Atrazine	2021	0.1	0.1 - 0.1	3	3	ppb	No	Runoff from herbicide used on row crops.
Chebrology	Benzo (a) pyrene	2021		0 - 0	0	200	ppt	No	
Debpor 2021 Levels Nover than 0 - 0 20 20 ppb No Residue of named sethiculous	Carbofuran	2021		0 - 0	40	40	ppb	No	Leaching of soil fumigant used on rice and alfalfa.
Disclarage from reference sease on rights of ways.	Chlordane	2021		0 - 0	0	2	ppb	No	Residue of banned termiticide.
Discontinuous propose Discontinuous Disc	Dalapon	2021		0 - 0	200	200	ppb	No	Runoff from herbicide used on rights of way.
Dibromochloropropene (DRCP) 2021 Levels bower than detect level	Di (2-ethylhexyl) adipate	2021		0 - 0	400	400	ppb	No	Discharge from chemical factories.
Disconection representative processing (1967) 2012 Levels lower than detect level 0 - 0 0 200 ppt No Residue of banned insecticide. Endrin 2021 Levels lower than detect level 0 - 0 0 50 ppt No Discharge from pertoleum refinances. Ethylene disconnide 2021 Levels lower than detect level 0 - 0 0 50 ppt No Discharge from pertoleum refinances. Heptachior 2021 Levels lower than detect level 0 - 0 0 200 ppt No Residue of banned termiticide. Hestachiorobenzere 2021 Levels lower than detect level 0 - 0 0 200 ppt No Breakdown of heptachior. Hestachiorobenzere 2021 Levels lower than detect level 0 - 0 0 1 ppb No Discharge from metal refinances and agricultural chemical factories. Lindane 2021 Levels lower than detect level 0 - 0 50 50 ppb No Discharge from metal refinances and agricultural chemical factories. Lindane 2021 Levels lower than detect level 0 - 0 200 ppt No Residue of banned termiticide. Methocychior 2021 Levels lower than detect level 0 - 0 0 1 ppb No Discharge from metal refinances and agricultural chemical factories. Network provided 2021 Levels lower than detect level 0 - 0 200 ppt No Remitting from insecticide used on reatile, lumber, and detect level 0 - 0 40 40 ppb No Remitting from insecticide used on reatile, lumber, and detect level 0 - 0 200 200 ppb No Remitting from insecticide used on applies, potations, and detect level 0 - 0 200 200 ppb No Remitting from insecticide used on applies, potations, and detect level 0 - 0 0 1 ppb No Discharge from wood preserving factories. Pertoachiorophenol 2021 Levels lower than 0 - 0 0 1 ppb No Discharge from metal degreesing sites and other factories. 1. 1. 2 Trichloroethane 2022 Levels lower than 0 - 0 0 3 ppb No Discharge from industrial chemical factories. 1. 2 Dichloroethylene 2022 Levels lower than 0 - 0 0	Di (2-ethylhexyl) phthalate	2021		0 - 0	0	6	ppb	No	Discharge from rubber and chemical factories.
Lindin 2021 Levels bower than detect level 0 - 0	Dibromochloropropane (DBCP)	2021		0 - 0	0	200	ppt	No	
Ethylene dibromide 2021 Levels lover than detect level no -0 0 50 ppt No Discharge from petroleium refineries. Heptachlor 2021 Levels lover than detect level no -0 0 400 ppt No Discharge from metal refineries and agricultural chemical factories. Heptachlor 2021 Levels lover than detect level no -0 0 0 400 ppt No Discharge from metal refineries and agricultural chemical factories. Hexachlorocyclopentadiene 2021 Levels lover than detect level no -0 0 0 1 ppb No Discharge from metal refineries and agricultural chemical factories. Lindane 2021 Levels lover than detect level no -0 0 0 1 ppb No Discharge from metal refineries and agricultural chemical factories. Lindane 2021 Levels lover than detect level no -0 0 40 40 ppb No Discharge from metal refineries and agricultural chemical factories. Doxamyl (Vydate) 2021 Levels lover than detect level no -0 40 40 ppb No Discharge from insecticide used on cattle, lumber, and used to the standard factories. Pentachlorophenol 2021 Levels lover than detect level no -0 200 200 ppb No Discharge from insecticide used on apples, potatoes, and translated for the standard factories. Prictoram 2021 Levels lover than detect level no -0 0 1 ppb No Discharge from wood preserving factories. Prictoram 2021 Levels lover than detect level no -0 0 1 ppb No Discharge from wood preserving factories. Prictoram 2021 Levels lover than no -0 40 40 ppb No Discharge from wood preserving factories. Prictoram 2021 Levels lover than no -0 500 500 ppb No Reputation for missecticide used on apples, potatoes, and translated for missecticid	Dinoseb	2021		0 - 0	7	7	ppb	No	
Heptachlor 2021 Levels lower than detect level 0 - 0 0 400 ppt No Discharge from petroleum retineries. Heptachlor epoxide 2021 Levels lower than detect level 1 0 - 0 0 200 ppt No Discharge from metal refineries and agricultural chemical factories. Hexachlorooyolopentadiene 2021 Levels lower than detect level 1 0 - 0 50 50 ppb No Discharge from metal refineries and agricultural chemical factories. Hexachlorooyolopentadiene 2021 Levels lower than detect level 1 0 - 0 50 50 ppb No Discharge from chemical factories. Lindane 2021 Levels lower than detect level 1 0 - 0 200 200 ppt No Discharge from hemical factories. Methoxychlor 2021 Levels lower than detect level 1 0 - 0 200 200 ppt No Discharge from hemical factories. Discharge from petroleum retineries and agricultural chemical factories. Methoxychlor 2021 Levels lower than detect level 1 0 - 0 200 200 ppt No Discharge from hemical factories. Discharge from bearing from insecticide used on cattle, lumber, and gardens. Discharge from petroleum insecticide used on fruits, vegetables, addition, and levestock. Discharge from petroleum insecticide used on fruits, vegetables, addition, and levestock. Pictoram 2021 Levels lower than detect level 0 - 0 0 1 ppb No Discharge from wood preserving factories. Pictoram 2021 Levels lower than detect level 0 - 0 500 500 ppb No Herbicide runoff. Levels lower than detect level 1 ppb No Discharge from metal degreasing sites and one cattle. The proper from the properties of the properties o	Endrin	2021		0 - 0	2	2	ppb	No	Residue of banned insecticide.
Heptachlor epoxide Active levels lower than 4 or 0 or 0 or 200 ppt Hoxachloropharene Active levels lower than 4 or 0 or	Ethylene dibromide	2021	Levels lower than	0 - 0	0	50	ppt	No	Discharge from petroleium refineries.
Hexachlorobenzene 2021 detect level	Heptachlor	2021		0 - 0	0	400	ppt	No	Residue of banned termiticide.
Hexachlorodenzene 2021 detect level 0 - 0 1 ppb No factories. Lindane 2021 Levels lower than detect level 0 - 0 200 200 ppt No Discharge from chemical factories. Lindane 2021 Levels lower than detect level 0 - 0 200 200 ppt No Runoff / leaching from insecticide used on cattle, lumber, and gardens. Methoxychior 2021 Levels lower than detect level 0 - 0 40 40 ppb No Runoff / leaching from insecticide used on futls, vegetables, allated and levels lower than detect level 0 - 0 200 200 ppb No Runoff / leaching from insecticide used on futls, vegetables, allated, and levels lower than detect level 0 - 0 200 200 ppb No Runoff / leaching from insecticide used on apples, potatoes, and tomations. Pentachlorophenol 2021 Levels lower than 0 - 0 0 1 ppb No Discharge from wood preserving factories. Pictoram 2021 Levels lower than 0 - 0 500 500 ppb No Herbicide runoff. Simazine 2021 Levels lower than 0 - 0 0 3 ppb No Herbicide runoff. Toxaphene 2021 Levels lower than detect level 0 - 0 0 3 ppb No Discharge from metal degreasing sites and other factories. 1, 1, 2 - Trichloroethane 2022 Levels lower than 0 - 0 0 5 ppb No Discharge from industrial chemical factories. 1, 2, 2 - Dichloropropane 2022 Levels lower than detect level levels level detect level detect level levels levels level levels	Heptachlor epoxide	2021		0 - 0	0	200	ppt	No	Breakdown of heptachlor.
Lindane 2021 Levels lower than detect level	Hexachlorobenzene	2021		0 - 0	0	1	ppb	No	· ·
Methoxychior 2021 Levels lower than detect level 0 - 0 200 200 ppb No Runoff / leaching from insecticide used on fruits, vegetables, alfalfa, and livestock.	Hexachlorocyclopentadiene	2021		0 - 0	50	50	ppb	No	Discharge from chemical factories.
Nemoxycnior 201 detect level detect level 201 Levels lower than detect level detect	Lindane	2021		0 - 0	200	200	ppt	No	
Pentachlorophenol 2021 Levels lower than defect level 0 - 0 0 1 ppb No Discharge from wood preserving factories. Picloram 2021 Levels lower than defect level 0 - 0 500 500 ppb No Herbicide runoff. Simazine 2021 Levels lower than defect level 1 levels lower than defect level 1 levels lower than defect level 1 levels lower than defect level 2 levels lower than defect level 2 levels lower than defect level 3 ppb No Runoff / leaching from insecticide used on cotton and cattle. Volatile Organic Contaminants Collection Date Defected Range of Levels Defected MCLG MCL Units Violation Likely Source of Contamination 1, 1, 1 - Trichloroethane 2022 Levels lower than defect level 3 ppb No Discharge from metal degreasing sites and other factories. 1, 1, 2 - Trichloroethane 2022 Levels lower than defect level 3 ppb No Discharge from industrial chemical factories. 1, 2, 4 - Trichloroethane 2022 Levels lower than defect level 3 ppb No Discharge from industrial chemical factories. 1, 2 - Dichloroethane 2022 Levels lower than defect level 4 pcd Levels lower than 4 pcd Levels lowe	Methoxychlor	2021		0 - 0	40	40	ppb	No	
Pentachiorophenol 2021 detect level 0 - 0 0 500 500 ppb No Discharge from wood preserving factories. Picloram 2021 Levels lower than detect level 0 - 0 4 4 4 ppb No Herbicide runoff. Simazine 2021 Levels lower than detect level detect level 1 0 - 0 0 3 ppb No Herbicide runoff. Toxaphene 2021 Levels lower than detect level 1 Detected Policy Indicated level 1 Detected Policy Indicated level 1 Detected Policy Indicated level 2 Detected Policy Indicated Policy I	Oxamyl [Vydate]	2021		0 - 0	200	200	ppb	No	11 /1 /
Simazine 2021 detect level 0 - 0 500 500 ppb No Herbicide runoft. Simazine 2021 Levels lower than detect level pletected Pange of Levels Detected NCLG MCL Units Violation Likely Source of Contamination 1, 1, 1 - Trichloroethane 2022 Levels lower than detect level pletect level pl	Pentachlorophenol	2021		0 - 0	0	1	ppb	No	Discharge from wood preserving factories.
Toxaphene 2021 Levels lower than detect level Petested Pe	Picloram	2021		0 - 0	500	500	ppb	No	Herbicide runoff.
Volatile Organic Contaminants Collection Date Highest Level Detected Page of Levels Detected MCLG MCL Units Violation 1, 1, 1 - Trichloroethane 2022 Levels lower than detect level detect level detect level 1, 1, 2 - Trichloroethylene 2022 Levels lower than detect level 2023 Levels lower than detect level 2024 Levels	Simazine	2021		0 - 0	4	4	ppb	No	Herbicide runoff.
Volatile Organic ContaminantsCollection DateDetectedRange of Levels DetectedMCLGMCLUnitsViolationLikely Source of Contamination1, 1, 1 - Trichloroethane2022Levels lower than detect level0 - 0200200ppbNoDischarge from metal degreasing sites and other factories.1, 1 - Dichloroethylene2022Levels lower than detect level0 - 035ppbNoDischarge from industrial chemical factories.1, 2, 4 - Trichloroethane2022Levels lower than detect level0 - 077ppbNoDischarge from industrial chemical factories.1, 2 - Dichloroethane2022Levels lower than detect level0 - 0770ppbNoDischarge from textile-finishing factories.1, 2 - Dichloropropane2022Levels lower than detect level0 - 005ppbNoDischarge from industrial chemical factories.Benzene2022Levels lower than detect level0 - 005ppbNoDischarge from factories; leaching from gas storage tanks and landfills.	Toxaphene	2021	detect level	0 - 0	0	3	ppb	No	Runoff / leaching from insecticide used on cotton and cattle.
detect level	Volatile Organic Contaminants	Collection Date	•	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
detect level 1, 1 - Dichloroethylene 2022 Levels lower than detect level 1, 2, 4 - Trichlorobenzene 2022 Levels lower than detect level 1, 2 - Dichloropropane 2022 Levels lower than detect level 2022 Levels lower than detect level 1, 2 - Dichloropropane 2022 Levels lower than detect level 2023 Levels lower than detect level 2024 Levels lower than detect level 2025 Levels lower than detect level 2026 Levels lower than detect level 2027 Levels lower than detect level 2028 Levels lower than detect level 2029 Levels lower than detect level 2020 Levels lower than detect level 2021 Levels lower than detect level 2022 Levels lower than detect level 2023 Levels lower than detect level 2024 Levels lower than detect level 2025 Levels lower than detect level 2026 Levels lower than detect level 2027 Levels lower than detect level 2028 Levels lower than detect level 2029 Levels lower than detect level 2020 Levels lower than detect level 2021 Levels lower than detect level 2022 Levels lower than detect level 2023 Levels lower than detect level 2024 Levels lower than detect level 2025 Levels lower than detect level 2026 Levels lower than detect level 2027 Levels lower than detect level 2028 Levels lower than detect level 2029 Levels lower than detect level 2020 Levels lower than detect level 2020 Levels lower than detect level 2021 Levels lower than detect level 2022 Le	1, 1, 1 - Trichloroethane	2022		0 - 0	200	200	ppb	No	Discharge from metal degreasing sites and other factories.
detect level 1, 2, 4 - Trichlorobenzene 2022 Levels lower than detect level 1, 2 - Dichloroperopane 2022 Levels lower than detect level 1, 2 - Dichloroperopane 2022 Levels lower than detect level 2023 Levels lower than detect level 2024 Levels lower than detect level 2025 Levels lower than detect level 2026 Levels lower than detect level 2027 Levels lower than detect level 2028 Levels lower than detect level 2029 Levels lower than detect level 2020 Levels lower than detect level 2020 Levels lower than detect level 2021 Levels lower than detect level 2022 Levels lower than detect level 2023 Levels lower than detect level 2024 Levels lower than detect level 2025 Levels lower than detect level 2026 Levels lower than detect level 2027 Levels lower than detect level 2028 Levels lower than detect level 2029 Levels lower than detect level 2020 Levels lower than detect level 2021 Levels lower than detect level 2022 Levels lower than detect level 2023 Levels lower than detect level 2024 Levels lower than detect level 2025 Levels lower than detect level 2026 Levels lower than detect level 2027 Levels lower than detect level 2028 Levels lower than detect level 2029 Levels lower than detect level 2020 Levels lower than detect level 2020 Levels lower than detect level 2021 Levels lower than detect level 2022 Levels lower than detect level 2023 Levels lower than detect level 2024 Levels lower than detect	1, 1, 2 - Trichloroethane	2022		0 - 0	3	5	ppb	No	Discharge from industrial chemical factories.
detect level 1, 2 - Dichloroethane 2022 Levels lower than detect level 1, 2 - Dichloropropane 2022 Levels lower than detect level 1, 2 - Dichloropropane 2022 Levels lower than detect level 2022 Levels lower than detect level 30 - 0 3	1, 1 - Dichloroethylene	2022	Levels lower than	0 - 0	7	7	ppb	No	Discharge from industrial chemical factories.
1, 2 - Dichloroperopane 2022 detect level 0 - 0 0 5 ppb No Discharge from industrial chemical factories. 1, 2 - Dichloropropane 2022 Levels lower than detect level 0 - 0 0 5 ppb No Discharge from industrial chemical factories. Benzene 2022 Levels lower than detect level 0 - 0 0 5 ppb No Discharge from factories; leaching from gas storage tanks and landfills. Carbon Tetrachloride 2022 Levels lower than detect level 0 - 0 0 5 ppb No Discharge from factories; leaching from gas storage tanks and landfills.	1, 2, 4 - Trichlorobenzene	2022		0 - 0	70	70	ppb	No	Discharge from textile-finishing factories.
Benzene 2022 detect level 0 - 0 0 5 ppb No Discharge from Industrial chemical factories. Benzene 2022 Levels lower than detect level 0 - 0 0 5 ppb No Discharge from factories; leaching from gas storage tanks and landfills. Carbon Tetrachloride 2022 Levels lower than 0 - 0 0 5 ppb No Discharge from factories; leaching from gas storage tanks and landfills.	1, 2 - Dichloroethane	2022		0 - 0	0	5	ppb	No	Discharge from industrial chemical factories.
Defizerie 2022 detect level 0 0 5 ppb No landfills. Carbon Tetrachloride 2022 Levels lower than 0 0 5 ppb No Discharge from chemical plants and other industrial activities.	1, 2 - Dichloropropane	2022		0 - 0	0	5	ppb	No	Discharge from industrial chemical factories.
	Benzene	2022		0 - 0	0	5	ppb	No	
uotoot 10401	Carbon Tetrachloride	2022	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from chemical plants and other industrial activities.

NTMWD Tawakoni Water Treatment Plants Water Quality Data for Year 2022 (Cont.)

Volatile Organic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Chlorobenzene	2022	Levels lower than detect level	0 - 0	100	100	ppb	No	Discharge from chemical and agricultural chemical factories.
Dichloromethane	2022	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from pharmaceutical and chemical factories.
Ethylbenzene	2022	Levels lower than detect level	0 - 0	0	700	ppb	No	Discharge from petroleum refineries.
Styrene	2022	Levels lower than detect level	0 - 0	100	100	ppb		Discharge from rubber and plastic factories; leaching from landfills.
Tetrachloroethylene	2022	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from factories and dry cleaners.
Toluene	2022	Levels lower than detect level	0 - 0	1	1	ppm	No	Discharge from petroleum factories.
Trichloroethylene	2022	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from metal degreasing sites and other factories.
Vinyl Chloride	2022	Levels lower than detect level	0 - 0	0	2	ppb	No	Leaching from PVC piping; discharge from plastics factories.
Xylenes	2022	Levels lower than detect level	0 - 0	10	10	ppm	INO	Discharge from petroleum factories; discharge from chemical factories.
cis - 1, 2 - Dichloroethylene	2022	Levels lower than detect level	0 - 0	70	70	ppb	No	Discharge from industrial chemical factories.
o - Dichlorobenzene	2022	Levels lower than detect level	0 - 0	600	600	ppb	No	Discharge from industrial chemical factories.
p - Dichlorobenzene	2022	Levels lower than detect level	0 - 0	75	75	ppb	No	Discharge from industrial chemical factories.
trans - 1, 2 - Dicholoroethylene	2022	Levels lower than detect level	0 - 0	100	100	ppb	No	Discharge from industrial chemical factories.

Turbidity

	Limit (Treatment Technique)	Level Detected	Violation	Likely Source of Contamination				
Highest single measurement	1 NTU	0.16 NTU	No	Soil runoff.				
Lowest monthly percentage (%) meeting limit	0.3 NTU	100%	No	Soil runoff.				
NOTE: Turbidity is a measurement of the cloudiness of the water ca	IOTE: Turbidity is a measurement of the cloudiness of the water caused by suspended particles. We monitor it because it is a good indicator of water quality and the effectiveness							

of our filtration.

Maximum Residual Disinfectant Level

Disinfectant Type	Year	Average Level	Minimum Level	Maximum Level	MRDL	MRDLG	Units	Source of Chemical
Chlorine Residual (Chloramines)	2022	Cust#	Cust#	Cust#	4.00	<4.0	ppm	Disinfectant used to control microbes.
Chlorine Dioxide	2022	0.01	0	0.32	0.80	0.80	ppm	Disinfectant.
Chlorite	2022	0.15	0	0.72	1.00	N/A	ppm	Disinfectant.

NOTE: Water providers are required to maintain a minimum chlorine disinfection residual level of 0.5 parts per million (ppm) for systems disinfecting with chloramines and an annual average chlorine disinfection residual level of between 0.5 (ppm) and 4 parts per million (ppm).

Total Organic Carbon

The percentage of Total Organic Carbon (TOC) removal was measured each month and the system met all TOC removal requirements set.

Cryptosporidium and Giardia

Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	Units	Likely Source of Contamination
Cryptosporidium	2022	Levels lower than detect level	0 - 0	(Oo) Cysts/L	Human and animal fecal waste.
Giardia	2022	Levels lower than detect level	0 - 0	(Oo) Cysts/L	Human and animal fecal waste.

NOTE: Only source water was evaluated for cryptosporidium and giardia. Levels shown are not for drinking water.

NTMWD Tawakoni Water Treatment Plants Water Quality Data for Year 2022 (Cont.)

Lead and Copper

Contaminants	Date Sampled	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Lead		15	CUST#	CUST#	ppb		Corrosion of household plumbing systems; erosion of natural deposits.
Copper		1.3	CUST #	CUST#	ppm		Erosion of natural deposits; leaching from wood preservatives; corrosion of household plumbing systems.

ADDITIONAL HEALTH INFORMATION FOR LEAD: 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. [Customer] is responsible for providing high quality drinking water, but 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.

Unregulated Contaminants

Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	Units	Likely Source of Contamination
Chloroform	2022	CUST #	CUST #	ppb	By-product of drinking water disinfection.
Bromoform	2022	CUST #	CUST #	ppb	By-product of drinking water disinfection.
Bromodichloromethane	2022	CUST #	CUST #	ppb	By-product of drinking water disinfection.
Dibromochloromethane	2022	CUST #	CUST #	ppb	By-product of drinking water disinfection.

NOTE: Bromoform, chloroform, bromodichloromethane, and dibromochloromethane are disinfection by-products. There is no maximum contaminant level for these chemicals at the entry point to distribution.

Secondary and Other Constituents Not Regulated

Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	Units	Likely Source of Contamination
Aluminum	2022	0.022	0.022 - 0.022	ppm	Erosion of natural deposits.
Calcium	2022	53.1	38.3 - 53.1	ppm	Abundant naturally occurring element.
Chloride	2022	24.0	11.1 - 24.0	ppm	Abundant naturally occurring element; used in water purification; by-product of oil field activity.
Iron	2022	Levels lower than detect level	0 - 0	ppm	Erosion of natural deposits; iron or steel water delivery equipment or facilities.
Magnesium	2022	3.26	3.26 - 3.26	ppm	Abundant naturally occurring element.
Manganese	2022	0.0024	0.0018 - 0.0024	ppm	Abundant naturally occurring element.
Nickel	2022	0.0032	0.0032 - 0.0032	ppm	Erosion of natural deposits.
рН	2022	8.3	7.1 - 8.3	units	Measure of corrosivity of water.
Silver	2022	Levels lower than detect level	0 - 0	ppm	Erosion of natural deposits.
Sodium	2022	21.3	13.5 - 21.3	ppm	Erosion of natural deposits; by-product of oil field activity.
Sulfate	2022	73.2	48.4 - 73.2	ppm	Naturally occurring; common industrial by-product; by-product of oil field activity.
Total Alkalinity as CaCO3	2022	82	62 - 82	ppm	Naturally occurring soluble mineral salts.
Total Dissolved Solids	2022	243	173 - 243	ppm	Total dissolved mineral constituents in water.
Total Hardness as CaCO3	2022	128	98 - 128	ppm	Naturally occurring calcium.
Zinc	2022	Levels lower than detect level	0 - 0	ppm	Moderately abundant naturally occurring element used in the metal industry.