## 2022 Annual Water Quality Report

### Blackland Water Supply Blacklandwater.com

#### **Consumer Confidence Report** (CCR)

January 1,2022 - December 31,2022

# 2022 Consumer Confidence Report for Public Water System BLACKLAND WSC

This is your water quality report for January 1 to December 31, 2022

For more information regarding this report contact:

BLACKLAND WSC provides Purchased Surface Water from City of Rockwall(TX1990001) located in Rockwall County

Name Robin Mayall – Project Manager

Phone 972-771-6375

llamar al telefono (972) 771-6375 Este reporte incluye información importante sobre el agua para tomar. Para asistencia en español, favor de

#### **Definitions and Abbreviations**

Action Level:

**Definitions and Abbreviations** The following tables contain scientific terms and measures, some of which may require explanation.

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

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

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.

Level 2 Assessment:

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 safety

Maximum residual disinfectant level or MRDL: 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

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.

million fibers per liter (a measure of asbestos)

millirems per year (a measure of radiation absorbed by the body)

not applicable

nephelometric turbidity units (a measure of turbidity)

picocuries per liter (a measure of radioactivity)

pCi/L O.T.N na: mrem: MFL

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#### **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

### nformation about your Drinking Water

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. 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

Hotline at (800) 426-4791. 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 Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not

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
- and gas production, mining, or farming. 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
- Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses
- from gas stations, urban storm water runoff, and septic systems Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come
- Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities

regulations establish limits for contaminants in bottled water which must provide the same protection for public health. 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

information on taste, odor, or color of drinking water, please contact the system's business office. 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

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 immunocompromised persons such as those undergoing chemotherapy for cancer; persons who have undergone organ transplants; those who are undergoing treatment with Hotline (800-426-4791). You may be more vulnerable than the general population to certain microbial contaminants, such as Cryptosporidium, in drinking water. Infants, some elderly, or

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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 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 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 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 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

County, Tawakoni located in Hunt, Rains and Van Zandt counties and East Fork Raw Water Supply Project (Wetlands) located in Kaufman County. The water is obtained from surface water sources. These water sources include the following Reservoirs: Lavon located in Collin County, Jim Chapman located in Hopkins and Delta Counties, Texoma located in Grayson BLACKLAND WSC purchases water from CITY OF ROCKWALL. CITY OF ROCKWALL provides purchase surface water from North Texas Municipal Water District (TX0430044) from the Wylie Water Treatment Plant.

[insert a table containing any contaminant that was detected in the provider's water for this calendar year, unless that contaminant has been separately monitored in your water system (i.e. TTHM, HAA5, Lead and

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 Scott Muckensturm, General Manager @ 972-771-6375

Lead and Copper	Date Sampled	MCLG	Action Level (AL) 90th Percentile # Sites Over AL	90th Percentile	#Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	08/27/2020	1.3	1.3	0.51	0	ppm	Z	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing
Lead	08/27/2020	0	15	1.5	0	ppb	Z	Corrosion of household plumbing systems; Erosion of natural deposits.

### **2022 Water Quality Test Results**

ection By-Products Collection Date Highest Level Range of Individual MCLG MCL Units Violation Likely Source of Contamination  Detected Samples
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*The value in the Highest Level or Average Detected column is the highest average of all HAA5 sample results collected at a location over	Haloacetic Acids (HAA5)
Average Detected co	2022
olumn is the highest av	20
verage of all HAA5 sam	12.4 - 23.1
ple results collected a	No goal for the total
മ	60
year	ppb
	Z
	By-product of drinking water disinfection.

	Total Trihalomethanes (TTHM)	
	2022	
	38	
	23.5 - 48.6	
total	No goal for the	
	80	
	ppb	
	Z	
	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	Violation Likely Source of Contamination
Nitrate [measured as Nitrogen]	2022	0.231	0.0897 - 0.231	10	10	ppm	Z	Runoff from fertilizer use; Leaching from septic tanks sewage; Erosion of natural deposits.

#### **Disinfectant Residual**

A blank disinfectant residual table has been added to the CCR template, you will need to add data to the fields. Your data can be taken off the Disinfectant Level Quarterly Operating Reports (DLQOR).

Disinfectant Residual	Year	Average Level	Range of Levels Detected	MRDL	MRDLG	Unit of Measure	Violation (Y/N)	Violation (Y/N) Source in Drinking Water
	2022	2.92	.2 - 4.0	4	4	ppm	Z	Water additive used to control microbes.

#### **Violations**

#### **Public Notification Rule**

The Public Notification Rule helps to ensure that consumers will always know if there is a problem with their drinking water. These notices immediately alert consumers if there is a serious problem with their drinking water [e.g., a boil water emergency].

PUBLIC NOTICE RULE LINKED TO VIOLATION 10/15/2022 12/13/2022 We failed to adequately notify you, our drinking water consumers, about a violation of the drinking water regulations.	Violation Type	Violation Begin	Violation End	Violation Explanation
	PUBLIC NOTICE RULE LINKED TO VIOLATION	10/15/2022	12/13/2022	our

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## NTMWD Wylie Water Treatment Plants Water Quality Data for Year 2022

#### Colliform Barderia

					e present.	potentially harmful, bacteria may be present
ndicator that other,	ised as an in	environment and are u	lly present in the	forms are bacteria that are natura	und no fecal coliform bacteria. Colif	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,
Naturally present in the environment.	Cust#	Cust#	0	Cust#	1 positive monthly sample	0
Likely Source of Contamination	Violation	Total No. of Positive E. Coli or Fecal Coliform Samples	or E. Coli Maximum Contaminant Level	Highest No. of Positive	Total Coliform Maximum Contaminant Level	Maximum Contaminant Level Goal

### Regulated Contaminants

	1		1		T-		-	1	(0 -7		-		
Fluoride	Cyanide	Chromium	Cadmium	Beryllium	Barium	Arsenic	Antimony	Inorganic Contaminants	NOTE: Not all sample results may have been used for calculating the Highest Level Detected because some results may be part of an evaluation to determine where or sampling should occur in the future. TCEQ only requires one sample annually for compliance testing. For Bromate, compliance is based on the running annual average.	Bromate	Total Trihalomethanes (TTHM)	Total Haloacetic Acids (HAA5)	Disinfectants and Disinfection By-Products
2022	2022	2022	2022	2022	2022	2022	2022	Collection Date	have been use . TCEQ only re	2022	2022	2022	Collection Date
0.688	2022	Levels lower than detect level	Levels lower than detect level	Levels lower than detect level	0.061	Levels lower than detect level	Levels lower than detect level	Highest Level Detected	d for calculating the quires one sample :	4.9	CUST#	CUST#	Highest Level Detected
0.278 - 0.688	Levels lower than detect level	0-0	0-0	0-0	0.060 - 0.061	0-0	0-0	Range of Levels Detected	Highest Level Detected because annually for compliance testing. F	4.9 - 4.9	CUST#	CUST#	Range of Levels Detected
4	0 - 0	100	5	4	2	0	თ	MCLG	e some results r or Bromate, co	5	No goal for the total	No goal for the total	MCLG
4	200	100	5	4	2	10	<b>o</b>	MCL	nay be par mpliance is	10	80	60	MCL
ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	Units	of an evalua based on th	ppb	ppb	ppb	Units
N <sub>o</sub>	No	No	No	No	No	No	No	Violation	ation to deter ne running ar	No	Cust#	Cust#	Violation
Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.	Discharge from steel/metal factories; Discharge from plastics and fertilizer factories.	Discharge from steel and pulp mills; erosion of natural deposits.	Corrosion of galvanized pipes; erosion of natural deposits; discharge from metal refineries; runoff from waste batteries and paints.	Discharge from metal refineries and coal-burning factories; discharge from electrical, aerospace, and defense industries.	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes.	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; and test addition.	Likely Source of Contamination	to determine where compliance ning annual average.	By-product of drinking water ozonation.	By-product of drinking water disinfection.	By-product of drinking water disinfection.	Likely Source of Contamination

Erosion of natural deposits.	No	pCi/L	5	0	0-0	Levels lower than detect level	2022	Radium
Erosion of natural deposits.	No	pCi/L	15	0	0-0	Levels lower than detect level	2022	Gross alpha excluding radon and uranium
Decay of natural and man-made deposits.	No	pCi/L	50	0	4.7 - 4.7	4.7	2022	Beta/photon emitters
Likely Source of Contamination	Violation	Units	MCL	MCLG	Range of Levels Detected	Highest Level Detected	Collection Date	Radioactive Contaminants
n drinking water can cause blue you should ask advice from your health		nitrate levels y for an infar	age. High	al activity. If you	health risk for infants of less tha e because of rainfall or agricultur	s above 10 ppm is a short periods of tim	ng water at levels y rise quickly for	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 i 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 care provider.
Discharge from electronics, glass, and leaching from ore- processing sites; drug factories.	No	ppb	2	0.5	0-0	Levels lower than detect level	2022	Thallium
Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines.	No	ppb	50	50	0-0	Levels lower than detect level	2022	Selenium
Runoff from fertilizer use; leaching from septic tanks; sewage; erosion of natural deposits.	No	ppm	10	10	0.158 - 0.439	0.439	2022	Nitrate (measured as Nitrogen)
Erosion of natural deposits; discharge from refineries and factories; runoff from landfills; runoff from cropland.	No	ppb	2	2	0-0	Levels lower than detect level	2022	Mercury

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

Methoxychlor 2022 Level	Lindane 2022 Level	Hexachlorocyclopentadiene 2022 Level	Hexachlorobenzene 2022 Level	Heptachlor epoxide 2022 Leve	Heptachlor 2022 Leve	Ethylene dibromide 2022 Leve	Endrin 2022 Leve	Dinoseb 2022 Leve	Dibromochloropropane (DBCP) 2022 Leve	Di (2-ethylhexyl) phthalate 2022 Leve	Di (2-ethylhexyl) adipate 2022 Leve	Dalapon 2022 Leve	Chlordane 2022 Leve	Carbofuran 2022 Leve	Benzo (a) pyrene 2022 Leve	Atrazine 2022	Aldicarb Sulfoxide 2022 Leve	Aldicarb Sulfone 2022 Leve	Aldicarb 2022 Leve	Alachlor 2022 Leve	2,4-D 2022 Leve	2, 4, 5 - TP (Silvex) 2022 Leve	herbicides Collection Date
detect level	Levels lower than detect level	Levels lower than detect level	detect level	Levels lower than detect level	Levels lower than detect level	Levels lower than detect level	Levels lower than detect level	Levels lower than detect level	Levels lower than detect level	Levels lower than detect level	Levels lower than detect level	Levels lower than detect level	Levels lower than detect level	Levels lower than detect level	Levels lower than detect level	0.12	Levels lower than detect level	Levels lower than detect level	Levels lower than detect level	Detected			
0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0-0	0.10 - 0.12	0-0	0-0	0-0	0-0	0-0	0-0	Range of Levels Detected
40	200	50	0	0	0	0	2	7	0	0	400	200	0	40	0	ω	-1	_	_	0	70	50	MCLG
40	200	50	3	200	400	50	2	7	200	6	400	200	2	40	200	ω	4	2	ဒ	2	70	50	MCL
ppb	ppt	ppb	ppb	ppt	ppt	ppt	ppb	ppb	ppt	ppb	ppb	ppb	ppb	ppb	ppt	ppb	ppb	ppb	ppb	ppb	ppb	ppb	Units
No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Violation
Runoff / leaching from insecticide used on fruits, vegetables, alfalfa, and livestock.	Runoff / leaching from insecticide used on cattle, lumber, and gardens.	Discharge from chemical factories.	Discharge from metal refineries and agricultural chemical factories.	Breakdown of heptachlor.	Residue of banned termiticide.	Discharge from petroleium refineries.	Residue of banned insecticide.	Runoff from herbicide used on soybeans and vegetables.	Runoff / leaching from soil fumigant used on soybeans, cotton, pineapples, and orchards.	Discharge from rubber and chemical factories.	Discharge from chemical factories.	Runoff from herbicide used on rights of way.	Residue of banned termiticide.	Leaching of soil fumigant used on rice and alfalfa.	Leaching from linings of water storage tanks and distribution lines.	Runoff from herbicide used on row crops.	Runoff from agricultural pesticide.	Runoff from agricultural pesticide.	Runoff from agricultural pesticide.	Runoff from herbicide used on row crops.	Runoff from herbicide used on row crops.	Residue of banned herbicide.	Likely Source of Contamination

Discharge from chemical plants and other industrial activities.	No	ppb	5	0	0-0	Levels lower than detect level	2022	Carbon Tetrachloride
Discharge from factories; leaching from gas storage tanks and landfills.	No	ppb	5	0	0-0	Levels lower than detect level	2022	Benzene
Discharge from industrial chemical factories.	No	ppb	5	0	0-0	Levels lower than detect level	2022	1, 2 - Dichloropropane
Discharge from industrial chemical factories.	No	ppb	51	0	0-0	Levels lower than detect level	2022	1, 2 - Dichloroethane
Discharge from textile-finishing factories.	No	ppb	70	70	0-0	Levels lower than detect level	2022	1, 2, 4 - Trichlorobenzene
Discharge from industrial chemical factories.	No	ppb	7	7	0-0	Levels lower than detect level	2022	1, 1 - Dichloroethylene
Discharge from industrial chemical factories.	No	ppb	5	ы	0-0	Levels lower than detect level	2022	1, 1, 2 - Trichloroethane
Discharge from metal degreasing sites and other factories.	No	ppb	200	200	0-0	Levels lower than detect level	2022	1, 1, 1 - Trichloroethane
Likely Source of Contamination	Violation	Units	MCL	MCLG	Range of Levels Detected	Detected	Collection Date	Volatile Organic Contaminants
Runoff / leaching from insecticide used on cotton and cattle.	No	ppb	သ	0	0-0	Levels lower than detect level	2022	Toxaphene
Herbicide runoff.	No	ppb	4	4	0-0	Levels lower than detect level	2022	Simazine
Herbicide runoff.	No	ppb	500	500	0-0	Levels lower than detect level	2022	Picloram
Discharge from wood preserving factories.	No	ppb	->	0	0-0	Levels lower than detect level	2022	Pentachlorophenol
Runoff / leaching from insecticide used on apples, potatoes, and tomatoes.	No	ppb	200	200	0-0	Levels lower than detect level	2022	Oxamyl [Vydate]

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

Discharge from industrial chemical factories.	No	ppb	100	100	0-0	Levels lower than detect level	2022	trans - 1, 2 - Dicholoroethylene
Discharge from industrial chemical factories.	No	ppb	75	75	0-0	Levels lower than detect level	2022	p - Dichlorobenzene
Discharge from industrial chemical factories.	No	ppb	600	600	0-0	Levels lower than detect level	2022	o - Dichlorobenzene
Discharge from industrial chemical factories.	No	ppb	70	70	0-0	Levels lower than detect level	2022	cis - 1, 2 - Dichloroethylene
Discharge from petroleum factories; discharge from chemical factories.	No	ppm	10	10	0-0	Levels lower than detect level	2022	Xylenes
Leaching from PVC piping; discharge from plastics factories.	No	ppb	2	0	0-0	Levels lower than detect level	2022	Vinyl Chloride
Discharge from metal degreasing sites and other factories.	No	ppb	51	0	0-0	Levels lower than detect level	2022	Trichloroethylene
Discharge from petroleum factories.	No	ppm	_	1	0-0	Levels lower than detect level	2022	Toluene
Discharge from factories and dry cleaners.	No	ppb	51	0	0-0	Levels lower than detect level	2022	Tetrachloroethylene
Discharge from rubber and plastic factories; leaching from landfills.	No	ppb	100	100	0-0	Levels lower than detect level	2022	Styrene
Discharge from petroleum refineries.	No	ppb	700	0	0-0	Levels lower than detect level	2022	Ethylbenzene
Discharge from pharmaceutical and chemical factories.	No	ppb	O1	0	0-0	Levels lower than detect level	2022	Dichloromethane
Discharge from chemical and agricultural chemical factories.	No	ppb	100	100	0-0	Levels lower than detect level	2022	Chlorobenzene
Likely Source of Contamination	Violation	Units	MCL	MCLG	Range of Levels Detected	Detected	Collection Date	Volatile Organic Contaminants

#### /A1181(38)(38)

	Limit			
	(Treatment Technique)	Level Detected	Violation	Likely Source of Contamination
Highest single measurement	1 NTU	0.4 NTU	No	Soil runoff.
Lowest monthly percentage (%) meeting limit	0.3 NTU	99.50%	No	Soil runoff.
NOTE: Turbidity is a measurement of the cloudiness of the water caused by suspended particles. We monitor it because it is a good indicator.	used by suspended particles. We monitor it beca	ause it is a good indicato	r of water qu	ality and the effectiveness
of our filtration.		,		

### Maximum Residual Disinfectant Level

Disinfectant Type	Year	Average Level of Quarterly Data	Lowest Result of Single Sample	Highest Result of Single Sample	MRDL	MRDLG	Units	Source of Chemical
Chlorine Residual (Chloramines)	2022	Cus#	Cust#	Cust#	4.00	<4.0	ppm	Disinfectant used to control microbes.
Chlorine Dioxide	2022	0.00	0	0.27	0.80	0.80	ppm	Disinfectant.
Chlorite	2022	0.145	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	ired to maintain	a minimum chlorine	disinfection residual level of 0.5	parts per million	(ppm) for	systems disir	fecting with	n chloramines and an annual

average chlorine disinfection residual level of between 0.5 (ppm) and 4 parts per million (ppm).

#### Total Organic Carleen

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

### Cryptosportdium and Giardia

		e found in drinking water.	NOTE: Levels detected are for source water, not for drinking water. No cryptosporidium or giardia were found in drinking water.	ource water, not fo	NOTE: Levels detected are for so
Human and animal fecal waste.	(Oo) Cysts/L	0-0	0	2022	Giardia
Human and animal fecal waste.	(Oo) Cysts/L	0-0	0	2022	Cryptosporidium
Likely Source of Contamination	Units	Range of Levels Detected	Highest Level Detected	Collection Date	Contaminants

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

#### Lead and Copper

Lead and Copper	Sampled	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		1.30	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 clinking 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 and components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by the variety of materials used to be purpose the control that the potential for lead exposure by the control that the variety of materials used to be purpose the control that the variety of materials used to be purpose the control that the variety of materials used to be purpose the control that the variety of materials used to be provided to the variety of materials used to be provided to the variety of materials used to be provided to the variety of materials used to be provided to the variety of materials and components.	ATION FOR LEAn materials and comaterials used in paterials used in paterials used in paterials before	D: If present, eleval mponents associate plumbing componer	ated levels of lead can cause seried with service lines and home ports. When your water has been such that are postering to the series of the	ous health problems, esperumbing. [Customer] is resutting for several hours, you	cially for preponsible for can minimize	gnant womer providing hig ze the potent	ant women and young children. Lead oviding high quality drinking water, the potential for lead exposure by

### Unregulated Contaminants

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

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.

Contaminants	Collection Date	nignest 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, b	promodichloromet	NOTE: Bromoform, chloroform, bromodichloromethane, and dibromochloromethane are disinfection by-products. There is no maximum contaminant level for these chemicals at	by-products. There is no man	ximum contaminant leve	I for these chemicals at
the entry point to distribution.					

## Secondary and Other Constituents Not Regulated

П						Γ	Г	Г	Г				Г		
Zinc	Total Hardness as CaCO3	Total Dissolved Solids	Total Alkalinity as CaCO3	Sulfate	Sodium	Silver	рH	Nickel	Manganese	Magnesium	Iron	Chloride	Calcium	Aluminum	Contaminants
2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	Collection Date
Levels lower than detect level	194	492	139	171	95.4	Levels lower than detect level	9.2	0.0098	0.159	9.70	Levels lower than detect level	107	69.8	Levels lower than detect level	Highest Level Detected
0-0	90 - 194	269 - 492	69 - 139	84.2 - 171	26.5 - 95.4	0-0	7.0 - 9.2	0.0069 - 0.0098	0.004 - 0.159	9.61 - 9.70	0-0	30.0 - 107	32.2 - 69.8	0-0	Range of Levels Detected
ppm	ppm	ppm	ppm	ppm	ppm	ppm	·units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Units
Moderately abundant naturally occurring element used in the metal	Naturally occurring calcium.	Total dissolved mineral constituents in water.	Naturally occurring soluble mineral salts.	Naturally occurring; common industrial by-product; by-product of oil field activity.	Erosion of natural deposits; by-product of oil field activity.	Erosion of natural deposits.	Measure of corrosivity of water.	Erosion of natural deposits.	Abundant naturally occurring element.	Abundant naturally occurring element.	Erosion of natural deposits; iron or steel water delivery equipment or facilities.	Abundant naturally occurring element; used in water purification; by-product of oil field activity.	Abundant naturally occurring element.	Erosion of natural deposits.	Likely Source of Contamination

Violation Type	
Туре	
Violation Begin	
Violation Begin Violation End	
Violation Explanation	Violations Table