Oak Grove TX W.S.C.

2021 Annual Drinking Water Quality Report Consumer Confidence Report

Annual Water Quality Report for Jan. 1 through Dec. 31, 2021 PWSID Number TX 1290027

This report is intended to provide you with important information about your drinking water and the efforts made by the water system to provide safe drinking water.

Oak Grove Water is Purchased Surfaced Water for more information regarding this report contact:

Sheila Brewer at (972)-962-0106

Public Participation Opportunities

Date: Wednesday, July 13, 2022 Time: <u>6:30 pm</u>

Location: 7570 FM 1388, Oak Grove

Phone Number: (972)-962-0106

To learn about future public meetings (concerning your drinking water) or to request to schedule one, please contact us. **Source of 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 radio-active material, and can pickup 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 the 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.**

Additional Health & Lead Information below:

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 cause 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 who are 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 for infections. You should seek advice about drinking water from your physician or other healthcare 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.

Lead in home plumbing:

If present, elevated levels of lead can cause serious health problems, especially for pregnant woman 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 2-3 minutes before using the water for drinking or cooking. If you are concerned about lead in our 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 <u>Safe Drinking Water</u> Hotline or at www.epa.gov/safewater/lead.

<u>En Espanol</u>

Este informe incluye informacion importante sobre el agua potable. Si tiene preguntas o comentartios sobre este informe en espanol, favor de llamar al tel. (972)-962-0106 - para hablar can una persona bilingue en espanol.

Information about Source Water Assessments

1. Source Water Susceptibility Assessment for your drinking water source(s) is currently being updated by the Texas Commission on Environmental Quality. This information describes the susceptibility and types of constituents that may come into contact with your drinking water source based on human activities and natural conditions. The information contained in the assessment allows us to focus source water protection strategies. For more information about your sources of water, please refer to the Source Water Assessment Viewer available at the following: <u>http://gis3.tceq.state.tx.us/swav/Controller/index.jsp?wtrsrc=</u>

2. Further details about sources and source-water assessments are available in Drinking Water Watch at the following: <u>http://dww.tceq.texas.gov./DWW</u>

Source water name: <u>SW from North Texas MWD I/C WITH TX 0430044</u> Type of water: <u>SW</u> Report Status: <u>Active</u>

Location: Lake Lavon

Contaminates that may be present in source water include:

<u>Microbial contaminates</u>, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

<u>Inorganic contaminates</u>, such as salt and metals, which can be naturally occurring or result from urban storm water runoff, industrial or domestic waste water discharge, oil and gas production, mining, and farming. <u>Pesticides and herbicides</u>, which can come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.

<u>Organic chemical contaminants</u>, 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.

Water Main Flushing:

Distribution mains (pipes) convey water to homes, business, and hydrants in your neighborhood. The water entering distribution mains is of very high quality; however, water quality can deteriorate in areas of the distribution mains over time. Water mains flushing is the process of cleaning the interior of water distribution mains by sending a rapid flow of water through the mains. Flushing maintains water quality in several ways. For example, flushing removes sediments like iron and manganese. Although iron and manganese do not themselves pose a health concerns, they can affect the taste, clarity, and color of the water. Additionally, sediments can shield microorganisms from the disinfecting power of the chlorine, contributing to the growth of microorganisms within the distribution mains. Flushing helps remove stale water and ensures the presences of fresh water with sufficient dissolved oxygen and disinfectant levels, and an acceptable taste and smell. During flushing operations in your neighborhood, some short-term deteriorations of water quality, though uncommon, is possible. You should avoid tap water for household use at such times. If you do use the tap, allow your cold water to run for a few minutes at full velocity before use, and avoid using hot water, to prevent sediment accumulation in your hot water tank. Please contact us if you have any questions or if you would like more information on our water main flushing schedule.

Oak Grove Texas WSC Water Quality Data for Year 2021

			Colit	form Bac	teria	l	Į			
				Fecal Coliform or E. Coli Maximum	Total No.	of Positive				
Maximum Contaminant Level Goal		orm Maximum inant Level	Highest No. of Positive	Contaminant Level		or Fecal 1 Samples	Violation	Likely Source of Contamination		
0 NOTE: Reported monthly tasts		onthly samples	4.00 Coliforms are bactoria that are	0	cont in the	4	Yes	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.										
Regulated Contaminants										
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)	2021	25.0	10.2-25.0	No goal for the total	60	ppb	No	By-product of drinking water disinfection.		
Total Trihalomethanes (TTHM)	2021	43.2	27.3-43.2	No goal for the total	80	ppb	No	By-product of drinking water disinfection.		
Bromate	2021	12.9	8.91-12.9	0.00-6.00	10	ppb	No	By-product of drinking water ozonation.		
NOTE: Not all sample results m sampling should occur in the fur					e results i	nay be part	of an evalua	ation to determine where compliance		
Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination		
Antimony	2021	Levels lower than detect level	0 - 0	6	6	ppb	No	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; and test addition.		
Arsenic	2021	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	2021	0.044	0.058-0.061	2	2	ppm	No	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.		
Beryllium	2021	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	2021	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	2021	Levels lower than detect level	0 - 0	100	100	ppb	No	Discharge from steel and pulp mills; erosion of natural deposits.		
Fluoride	2021	0.230	0.306-0.480	4	4	ppm	No	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.		
Mercury	2021	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)	2021	0.471	0.110-0.802	10	10	ppm	No	Runoff from fertilizer use; leaching from septic tanks; sewage; erosion of natural deposits.		
Selenium	2021	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	2021	Levels lower than detect level	0 - 0	0.5	2	ppb	No	Discharge from electronics, glass, and leaching from ore- processing sites; drug factories.		
baby syndrome. Nitrate levels m								n drinking water can cause blue you should ask advice from your health		
care provider. Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination		
Beta/photon emitters	2021	Levels lower than detect level	0 - 0	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.		

Oak Grove Texas WSC Water Quality Data for Year 2021 (Cont.)

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Alia Solution Quity Fand metal lead Quity Quit	Aldicarb Sulfone	2019		0 - 0	0	2	ppb	No	Runoff from herbicide used on row crops.
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Hexachlorobenzane2021han detect level0 - 001ppbNolactories_actories_Hexachlorocyclopentadiene2021Levels lower than detect level0 - 0505050ppbNoDischarge from chemical factories.Lindane2021Levels lower than detect level0 - 0200200pptNoRunoff / leaching from insecticide used on cattle, lumber, and gardens.Methoxychlor2021Levels lower than detect level0 - 04040ppbNoRunoff / leaching from insecticide used on fulls, vegetables, affafa, and lives took.Oxamy [Vydate]2019Levels lower than detect level0 - 0200200ppbNoRunoff / leaching from insecticide used on apples, polatoes, and tomatoes.Pentachlorophenol2019Levels lower than detect level0 - 04500ppbNoHerbicide runoff.Simazine20210.120.080.1244ppbNoRunoff / leaching from insecticide used on cotton and cattle.Volatie Organic Contaminant2021Levels lower than detect level0 - 03ppbNoHerbicide runoff.1, 1, 1 - Trichloroethane2021Herbis lower than detect level0 - 03ppbNoDischarge from industrial chemical factories.1, 2, 4 - Trichloroethane2021Herbis lower than detect level0 - 077ppbNoDischarge from industrial chemical factories.1, 2	Heptachlor epoxide	2021		0 - 0	0	200	ppt	No	Breakdown of heptachlor.
Hexachlorocycopentaciene2021than detect level0 - 05050ppNoDischarge from chemical factories.Lindane2021Levels lower than detect level0 - 0200200pptNoRunoff /leaching from insecticide used on cattle, lumber, and gardens.Methoxychlor2021Levels lower than detect level0 - 04040ppbNoRunoff /leaching from insecticide used on fulls, vegetables, alafta, and insectoc.Oxamy [Vydate]2019Levels lower than detect level0 - 0200200ppbNoRunoff /leaching from insecticide used on apples, potatoes, and tomates.Pentachlorophenol2019Levels lower than detect level0 - 001ppbNoBischarge from wood preserving factories.Pictoram2019Levels lower than detect level0 - 001ppbNoHerbicide runoff.Simazine20210.120.08-0.1244ppbNoRunoff /leaching from insecticide used on cotton and cattle.Volatie Organic Contaminants2021Levels lower than detect level0 - 003ppbNoRunoff /leaching from insecticide used on cotton and cattle.1, 1, 1 - Trichloroethane2021Levels lower than detect level0 - 035ppbNoDischarge from industrial chemical factories.1, 1, 2, 4 - Trichloroethane2021Levels lower than detect level0 - 077ppbNoDischarge from i	Hexachlorobenzene	2021		0 - 0	0	1	ppb	No	
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Memosychior2021han detect level0 - 0404040ppNoaltafia, and livestock.Oxamy [Vydate]2019Levels lower than detect level0 - 0200200ppbNoRunoff / leaching from insecticide used on apples, potatoes, and tomataes.Pentachlorophenol2019Levels lower than detect level0 - 001ppbNoDischarge from wood presening factories.Picloram2019Levels lower than detect level0 - 004500ppbNoHerbicide runoff.Simazine20210.120.08-0.1244ppbNoHerbicide runoff.Toxaphene2020Levels lower than detect level0 - 003ppbNoRunoff / leaching from insecticide used on cotton and cattle.Volatile Organic Contaminants2021Herbister TexterRange of Levels DetectedMCLGMCLUnitsViolationLikely Source of Contamination1,1,1 - Trichloroethane2021Levels lower than detect level0 - 035ppbNoDischarge from industrial chemical factories.1,1,2 - Trichloroethane2021Levels lower than detect level0 - 07777ppbNoDischarge from industrial chemical factories.1,2,4 - Trichloroethane2021Levels lower than detect level0 - 005ppbNoDischarge from industrial chemical factories.1,2 - Dichloroethynen2021Levels lower <td>Lindane</td> <td>2021</td> <td>than detect level</td> <td>0 - 0</td> <td>200</td> <td>200</td> <td>ppt</td> <td>No</td> <td>and gardens.</td>	Lindane	2021	than detect level	0 - 0	200	200	ppt	No	and gardens.
Oxamy [Vydate]2019than detect level0 - 0200200ppbNoand tomatoes.Pentachlorophenol2019Levels lower than detect level0 - 001ppbNoDischarge from wood preserving factories.Pictoram2019Levels lower than detect level0 - 04500ppbNoHerbicide runoff.Simazine20210.120.08-0.1244ppbNoHerbicide runoff.Toxaphene2020Levels lower than detect level0 - 003ppbNoRunoff / leaching from insecticide used on cotton and cattle.Volatile Organic Contaminants2021Hotest level 	Methoxychlor	2021	than detect level	0 - 0	40	40	ppb	No	alfalfa, and livestock.
Pentachlorophenol2019than detect level0 - 001ppbNoDischarge from wood preserving factories.Picloram2019Levels lower than detect level0 - 04500ppbNoHerbicide runoff.Simazine20210.120.08-0.1244ppbNoHerbicide runoff.Toxaphene2020Levels lower than detect level0 - 003ppbNoRunoff / leaching from insecticide used on cotton and cattle.Volatile Organic Contaminants2021Levels lower than detect level0 - 003ppbNoDischarge from metal degreasing sites and other factories.1, 1, 1 - Trichloroethane2021Levels lower than detect level0 - 077ppbNoDischarge from industrial chemical factories.1, 1, 2 - Trichloroethane2021Levels lower than detect level0 - 077ppbNoDischarge from industrial chemical factories.1, 1, 2 - Trichloroethane2021Levels lower than detect level0 - 077ppbNoDischarge from industrial chemical factories.1, 2, 4 - Trichloroethane2021Levels lower than detect level0 - 07070ppbNoDischarge from industrial chemical factories.1, 2, 2 - Dichloroperpane2021Levels lower than detect level0 - 005ppbNoDischarge from industrial chemical factories.1, 2 - Dichloroperpane2021Levels low	Oxamyl [Vydate]	2019	than detect level	0 - 0	200	200	ppb	No	
Pictoram2019than detect level0 - 04500ppbNoHerbicide runoff.Simazine20210.120.08-0.1244ppbNoHerbicide runoff.Toxaphene2020Levels lower than detect level0 - 003ppbNoRunoff / leaching from insecticide used on cotton and cattle.Volatile Organic Contaminants2021Herbicide Level DetectedRange of Levels DetectedMCLGMCLUnitsViolationLikely Source of Contamination1, 1, 1 - Trichloroethane2021Levels lower than detect level0 - 035ppbNoDischarge from industrial chemical factories.1, 1, 2 - Trichloroethane2021Levels lower than detect level0 - 077ppbNoDischarge from industrial chemical factories.1, 1, 2 - Trichloroethane2021Levels lower than detect level0 - 07070ppbNoDischarge from industrial chemical factories.1, 2, 4 - Trichloroethane2021Levels lower than detect level0 - 07070ppbNoDischarge from industrial chemical factories.1, 2 - Dichloroethane2021Levels lower than detect level0 - 005ppbNoDischarge from industrial chemical factories.1, 2 - Dichloroperpane2021Levels lower than detect level0 - 005ppbNoDischarge from industrial chemical factories.1, 2 - Dichloropropane2021Leve	Pentachlorophenol	2019	than detect level	0 - 0	0	1	ppb	No	Discharge from wood preserving factories.
Toxaphene2020Levels lower than detect level0 - 003ppbNoRunoff / leaching from insecticide used on cotton and cattle.Volatile Organic Contaminants2021Highest Level DetectedRange of Levels DetectedMCLGMCLUnitsViolationLikely Source of Contamination1, 1, 1 - Trichloroethane2021Levels lower than detect level0 - 0200200ppbNoDischarge from metal degreasing sites and other factories.1, 1, 2 - Trichloroethane2021Levels lower than detect level0 - 035ppbNoDischarge from industrial chemical factories.1, 1, 2 - Trichloroethylene2021Levels lower than detect level0 - 077ppbNoDischarge from industrial chemical factories.1, 2, 4 - Trichloroethylene2021Levels lower than detect level0 - 07070ppbNoDischarge from industrial chemical factories.1, 2, 2 - Dichloropenzene2021Levels lower than detect level0 - 005ppbNoDischarge from industrial chemical factories.1, 2 - Dichloropropane2021Levels lower than detect level0 - 005ppbNoDischarge from industrial chemical factories.1, 2 - Dichloropropane2021Levels lower than detect level0 - 005ppbNoDischarge from industrial chemical factories.1, 2 - Dichloropropane2021Levels lower than detect level0 - 00 <t< td=""><td>Picloram</td><td>2019</td><td></td><td>0 - 0</td><td>4</td><td>500</td><td>ppb</td><td>No</td><td>Herbicide runoff.</td></t<>	Picloram	2019		0 - 0	4	500	ppb	No	Herbicide runoff.
Toxaphene2020than detect level0 - 003ppbNoRunoff / leaching from insecticide used on cotion and cattle.Volatile Organic Contaminants2021Highest Level DetectedRange of Levels DetectedMCLGMCLUnitsViolationLikely Source of Contamination1, 1, 1 - Trichloroethane2021Levels lower than detect level0 - 0200200ppbNoDischarge from metal degreasing sites and other factories.1, 1, 2 - Trichloroethane2021Levels lower than detect level0 - 035ppbNoDischarge from industrial chemical factories.1, 1 - Dichloroethylene2021Levels lower than detect level0 - 077ppbNoDischarge from industrial chemical factories.1, 2, 4 - Trichlorobenzene2021Levels lower than detect level0 - 07070ppbNoDischarge from industrial chemical factories.1, 2 - Dichloroethane2021Levels lower than detect level0 - 005ppbNoDischarge from industrial chemical factories.1, 2 - Dichloropropane2021Levels lower than detect level0 - 005ppbNoDischarge from industrial chemical factories.1, 2 - Dichloropropane2021Levels lower than detect level0 - 005ppbNoDischarge from industrial chemical factories.1, 2 - Dichloropropane2021Levels lower than detect level0 - 005ppbNo	Simazine	2021		0.08-0.12	4	4	ppb	No	Herbicide runoff.
Volatile Organic Contaminants2021DetectedRange of Levels DetectedMCLGMCLUnitsViolationLikely Source of Contamination1, 1, 1 - Trichloroethane2021Levels lower than detect level0 - 0200200ppbNoDischarge from metal degreasing sites and other factories.1, 1, 2 - Trichloroethane2021Levels lower than detect level0 - 035ppbNoDischarge from industrial chemical factories.1, 1 - Dichloroethylene2021Levels lower than detect level0 - 077ppbNoDischarge from industrial chemical factories.1, 2, 4 - Trichlorobenzene2021Levels lower than detect level0 - 07070ppbNoDischarge from industrial chemical factories.1, 2 - Dichloroethane2021Levels lower than detect level0 - 005ppbNoDischarge from industrial chemical factories.1, 2 - Dichloroethane2021Levels lower than detect level0 - 005ppbNoDischarge from industrial chemical factories.1, 2 - Dichloroethane2021Levels lower than detect level0 - 005ppbNoDischarge from industrial chemical factories.1, 2 - Dichloropropane2021Levels lower than detect level0 - 005ppbNoDischarge from industrial chemical factories.Benzene2021Levels lower than detect level0 - 005ppbNoDischarge fr	Toxaphene	2020	than detect level	0 - 0	0	3	ppb	No	Runoff / leaching from insecticide used on cotton and cattle.
1, 1, 1 - Trichloroethane2021Levels lower than detect level0 - 0200200ppbNoDischarge from metal degreasing sites and other factories.1, 1, 2 - Trichloroethane2021Levels lower than detect level0 - 035ppbNoDischarge from industrial chemical factories.1, 1 - Dichloroethylene2021Levels lower than detect level0 - 077ppbNoDischarge from industrial chemical factories.1, 2, 4 - Trichloroethane2021Levels lower than detect level0 - 077ppbNoDischarge from industrial chemical factories.1, 2, 4 - Trichloroethane2021Levels lower than detect level0 - 07070ppbNoDischarge from industrial chemical factories.1, 2 - Dichloroethane2021Levels lower than detect level0 - 005ppbNoDischarge from industrial chemical factories.1, 2 - Dichloropropane2021Levels lower than detect level0 - 005ppbNoDischarge from industrial chemical factories.1, 2 - Dichloropropane2021Levels lower than detect level0 - 005ppbNoDischarge from industrial chemical factories.1, 2 - Dichloropropane2021Levels lower than detect level0 - 005ppbNoDischarge from industrial chemical factories.Benzene2021Levels lower than detect level0 - 005ppbNoDischar	Volatile Organic Contaminants	2021		Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
1, 1, 2 - Trichloroethane2021Levels lower than detect level0 - 035ppbNoDischarge from industrial chemical factories.1, 1 - Dichloroethylene2021Levels lower than detect level0 - 077ppbNoDischarge from industrial chemical factories.1, 2, 4 - Trichlorobenzene2021Levels lower than detect level0 - 07070ppbNoDischarge from industrial chemical factories.1, 2 - Dichloroethane2021Levels lower than detect level0 - 07070ppbNoDischarge from industrial chemical factories.1, 2 - Dichloroptopane2021Levels lower than detect level0 - 005ppbNoDischarge from industrial chemical factories.1, 2 - Dichloroptopane2021Levels lower than detect level0 - 005ppbNoDischarge from industrial chemical factories.1, 2 - Dichloroptopane2021Levels lower than detect level0 - 005ppbNoDischarge from industrial chemical factories.Benzene2021Levels lower than detect level0 - 005ppbNoDischarge from factories; leaching from gas storage tanks and landfills.Carbon Tetrachloride2021Levels lower tevels lower0 - 005ppbNoDischarge from chemical plants and other industrial	1, 1, 1 - Trichloroethane	2021		0 - 0	200	200	ppb	No	Discharge from metal degreasing sites and other factories.
1,1 - Dichloroethylene 2021 Levels lower than detect level 0 - 0 7 7 ppb No Discharge from industrial chemical factories. 1,2,4 - Trichlorobenzene 2021 Levels lower than detect level 0 - 0 70 70 ppb No Discharge from industrial chemical factories. 1,2,- Dichloroethane 2021 Levels lower than detect level 0 - 0 0 5 ppb No Discharge from industrial chemical factories. 1,2 - Dichloroethane 2021 Levels lower than detect level 0 - 0 0 5 ppb No Discharge from industrial chemical factories. 1,2 - Dichloropropane 2021 Levels lower than detect level 0 - 0 0 5 ppb No Discharge from industrial chemical factories. Benzene 2021 Levels lower than detect level 0 - 0 0 5 ppb No Discharge from industrial chemical factories. Carbon Tetrachloride 2021 Levels lower 0 - 0 0 5 ppb No Discharge from chemical plants and other industrial	1, 1, 2 - Trichloroethane	2021	Levels lower	0 - 0	3	5	ppb	No	Discharge from industrial chemical factories.
1, 2, 4 - Trichlorobenzene 2021 Levels lower than detect level 0 - 0 70 70 ppb No Discharge from textile-finishing factories. 1, 2 - Dichloroethane 2021 Levels lower than detect level 0 - 0 0 5 ppb No Discharge from textile-finishing factories. 1, 2 - Dichloroethane 2021 Levels lower than detect level 0 - 0 0 5 ppb No Discharge from industrial chemical factories. 1, 2 - Dichloropropane 2021 Levels lower than detect level 0 - 0 0 5 ppb No Discharge from industrial chemical factories. Benzene 2021 Levels lower than detect level 0 - 0 0 5 ppb No Discharge from factories; leaching from gas storage tanks and landfills. Carbon Tetrachloride 2021 Levels lower 0 - 0 0 5 ppb No Discharge from chemical plants and other industrial	1, 1 - Dichloroethylene	2021	Levels lower	0 - 0	7	7	ppb	No	Discharge from industrial chemical factories.
1, 2 - Dichloroethane 2021 Levels lower than detect level 0 - 0 0 5 ppb No Discharge from industrial chemical factories. 1, 2 - Dichloropropane 2021 Levels lower than detect level 0 - 0 0 5 ppb No Discharge from industrial chemical factories. Benzene 2021 Levels lower than detect level 0 - 0 0 5 ppb No Discharge from industrial chemical factories. Carbon Tetrachloride 2021 Levels lower 0 - 0 0 5 ppb No Discharge from industrial chemical factories. Carbon Tetrachloride 2021 Levels lower 0 - 0 0 5 ppb No Discharge from chemical plants and other industrial	1, 2, 4 - Trichlorobenzene	2021	Levels lower	0 - 0	70	70	ppb	No	Discharge from textile-finishing factories.
1, 2 - Dichloropropane 2021 Levels lower than detect level 0 - 0 0 5 ppb No Discharge from industrial chemical factories. Benzene 2021 Levels lower than detect level 0 - 0 0 5 ppb No Discharge from industrial chemical factories. Carbon Tetrachloride 2021 Levels lower 0 - 0 0 5 ppb No Discharge from factories; leaching from gas storage tanks and landfills.	1, 2 - Dichloroethane	2021	Levels lower	0 - 0	0	5	ppb	No	Discharge from industrial chemical factories.
Benzene 2021 Levels lower than detect level 0 - 0 0 5 ppb No Discharge from factories; leaching from gas storage tanks and landfills. Carbon Tetrachloride 2021 Levels lower 0 - 0 0 5 ppb No Discharge from factories; leaching from gas storage tanks and landfills.	1, 2 - Dichloropropane	2021	Levels lower	0 - 0	0	5	ppb	No	Discharge from industrial chemical factories.
Carbon Tetrachloride 2021 Levels lower 0 - 0 0 5 pp No Discharge from chemical plants and other industrial	Benzene	2021	Levels lower	0 - 0	0	5	ppb	No	
	Carbon Tetrachloride	2021		0 - 0	0	5	ppb	No	

Oak Grove Texas WSC Water Quality Data for Year 2021 (Cont.)

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Volatile Organic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Chlorobenzene	2021	Levels lower than detect level	0 - 0	100	100	ppb	No	Discharge from chemical and agricultural chemical factories.
Dichloromethane	2021	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from pharmaceutical and chemical factories.
Ethylbenzene	2021	Levels lower than detect level	0 - 0	0	700	ppb	No	Discharge from petroleum refineries.
Styrene	2021	Levels lower than detect level	0 - 0	100	100	ppb	No	Discharge from rubber and plastic factories; leaching from landfills.
Tetrachloroethylene	2021	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from factories and dry cleaners.
Toluene	2021	Levels lower than detect level	0 - 0	1	1	ppm	No	Discharge from petroleum factories.
Trichloroethylene	2021	Levels lower than detect level	0 - 0	0	5	ppb	No	Discharge from metal degreasing sites and other factories.
Vinyl Chloride	2021	Levels lower than detect level	0 - 0	0	2	ppb	No	Leaching from PVC piping; discharge from plastics factories.
Xylenes	2021	Levels lower than detect level	0 - 0	10	10	ppm	No	Discharge from petroleum factories; discharge from chemical factories.
cis - 1, 2 - Dichloroethylene	2021	Levels lower than detect level	0 - 0	70	70	ppb	No	Discharge from industrial chemical factories.
o - Dichlorobenzene	2021	Levels lower than detect level	0 - 0	600	600	ppb	No	Discharge from industrial chemical factories.
p - Dichlorobenzene	2021	Levels lower than detect level	0 - 0	75	75	ppb	No	Discharge from industrial chemical factories.
trans - 1, 2 - Dicholoroethylene	2021	Levels lower than detect level	0 - 0	100	100	ppb	No	Discharge from industrial chemical factories.

Turbidity

				lue)	Level D	etected	Violation	Likely Source of Contamination	
Highest single measurement	lighest single measurement				0.39	NTU	No	Soil runoff.	
Lowest monthly percentage (%) mee	owest monthly percentage (%) meeting limit				98.	80%	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 of water quality and the effectiveness									
of our filtration									

Disinfectant Type	Year	Average Level of Quarterly Data	Lowest Result of Single Sample	Highest Resultof Single Sample	MRDL	MRDLG	Units	Source of Chemical
Chlorine Residual (Chloramines)	2021	2.90	1.80	4.20	4.00	4	ppm	Disinfectant used to control microbes.
Chlorine Dioxide	2021	0	0	0	0.80	0.80	ppm	Disinfectant.
Chlorite	2021	0.105	0.00	0.97	1.00	N/A	ppm	Disinfectant.
IOTE: Water providers are re verage chlorine disinfection	residual level of	between 0.5 (ppm) and 4 parts per million (ppr					
•	Collection Date			n). Organic (Range of Detect	Levels	n	its	Likely Source of Contamination
•	Collection		Total Highest Level	Organic (Range of	Levels ced	Un	its om	Likely Source of Contamination Naturally present in the environment.
verage chlorine disinfection	Collection Date		Total lighest Level Detected	Organic (Range of Detect	Levels ed .66	Un Pf		
verage chlorine disinfection	Collection Date 2021		Total Highest Level Detected 4.66	Organic Range of Detect 3.69-4	Levels ad .66 .01	Un Pr Pr	om	Naturally present in the environment.

Cryptospondium and Giardia									
	Collection	Highest Level	Range of Levels						
Contaminants	Date	Detected	Detected	Units	Likely Source of Contamination				
Cryptosporidium	2021	0	0 - 0	(Oo) Cysts/L	Human and animal fecal waste.				
Giardia	2021	0	0 - 0	(Oo) Cvsts/L	Human and animal fecal waste.				

Oak Grove Texas WSC Water Quality Data for Year 2021 (Cont.)

Lead and Copper

Lead and Copper	Date Sampled	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Lead	2020	0.0019	0.0019	0	ppb	NO	Corrosion of household plumbing systems; erosion of natural deposits.
Copper	2020	0.23	0.23	0	ppm	No	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. City of Kaufman 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/flead.

Unregulated Contaminants

	1		1	1					
	Collection	Highest Level	Range of Levels						
Contaminants	Date	Detected	Detected	Units	Likely Source of Contamination				
Chloroform	2021	32	10.1-32.00	ppb	By-product of drinking water disinfection.				
Bromoform	2021	1.05	1.05-1.05	ppb	By-product of drinking water disinfection.				
Bromodichloromethane	2021	11.8	6.09-11.8	ppb	By-product of drinking water disinfection.				
Dibromochloromethane	2021	6.01	3.2-6.01	ppb	By-product of drinking water disinfection.				
NOTE: Bromoform, chloroform, dichlorobromomethane, 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 Collection Highest Level Range of Levels **Contaminants** Date Detected Detected Units Likely Source of Contamination Aluminum 2021 Levels lower than detect level 0 - 0 ppm Erosion of natural deposits Calcium 2021 77.5 34.5-77.5 ppm Abundant naturally occurring element. Abundant naturally occurring element; used in water Chloride 2021 78.9 4.78-78.9 ppm purification: by-product of oil field activity Erosion of natural deposits; iron or steel water delivery Levels lower than detect level 2021 0 - 0 Iron mag equipment or facilities. 2021 4 4 3 3.40-4.43 ppm Abundant naturally occurring element. Magnesium 0.0380 Manganese 2021 0-0.038 ppm Abundant naturally occurring element. 0.0060 0.004-0.006 ppm Nickel 2021 Erosion of natural deposits 2021 pН 912 7.56-9.12 units Measure of corrosivity of water Silver 2021 Levels lower than detect level 0 - 0 0-0 Erosion of natural deposits. Sodium 2021 81.1 33.0-81.1 ppm Erosion of natural deposits: by-product of oil field activity. Naturally occurring; common industrial by-product; by-Sulfate 2021 153 22.4-153 ppm product of oil field activity. 128 Total Alkalinity as CaCO3 2021 65-128 ppm Naturally occurring soluble mineral salts Total Dissolved Solids 2021 444 186-444 ppm Total dissolved mineral constituents in water 192 Total Hardness as CaCO3 2021 106-207 ppm Naturally occurring calcium Moderately abundant naturally occurring element used in the Zinc 2021 Levels lower than detect level 0 - 0 ppm metal industry **Violations Table** Violation Began Violation end Violation Explanation On July 9 and July 15 our water sample tested positive for e-coli. We rectified the problem expediently 9-Jul-21 16-Jul-21 following all protocol from NTWMD. Samples were monitored daily until the samples were in regulation according to the high standards set forth from TCEQ.