2022 Consumer Confidence Report for Public Water System CITY OF LIVERPOOL

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

For more information regarding this report contact:

CITY OF LIVERPOOL provides ground water from [San Jacinto] located in Brazos].

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Phone 281-581-2342

Este reporte incluye información importante sobre el agua para tomar. Para asistencia en español, favor de llamar al telefono (281) 581-2342.

Definitions and Abbreviations

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

Action Level:

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

Level 1 Assessment: Regulatory compliance with some MCLs are based on running annual average of monthly samples

Avg:

Level 2 Assessment:

A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water

Maximum Contaminant Level or MCL: 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. 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 reatment 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: contaminants. 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)

UTN pCi/L

10.

mem: MFL

picocuries per liter (a measure of radioactivity)

Definitions and Abbreviations

ppb: micrograms per liter or parts per million

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)

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Treatment Technique or TT: A required process intended to reduce the level of a contaminant in drinking water

Imformation about your Drinking Water

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 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

indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPAs Safe Drinking Water Hotline at (800) 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

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
- 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 and
- 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 Hotline (800-426-4791). 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 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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2022 2 2.4-2.4 No goal for the total ppb N By-product of drinking water disinfe	Disinfection By-Products	Collection Date	Righest Level Range	Sam	MCLG	MCL	Umits	Violation	Individual MCLG MCL Units Violation Likely Source of Contamination
2 2.4 · 2.4 No goal for the 60 ppb N By-									
	Haloacetic Acids (HAA5)	2022	2	2.4 - 2.4	No goal for the total			Z	ıking water disinfe

The value in the Highest Level or Average Detected column is the highest average of all HAA5 sample results collected at a location over a year

Total Tribalomethanes 2022 23 22.8 22.8 No goal for the total 80 ppb N By-product of drinking v
8 The value in the Highest I and as Assessed Datasta large in the List assessed in 1977 17.

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

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Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Violation Likely Source of Contamhation
Arsenic	2022	12	3.2 - 9.3	0	10	ppb	×	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes.
Barkun	02/23/2021	0.11	0.11 - 0.11	2	2	mdd	Z	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Fluoride	02/23/2021	1.57	1.57 - 1.57	4	4.0	nudd	z	Erosion of natural deposits; Water additive which promotes strong teeth, Discharge from fertilizer and aluminum factories.

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)	Source in Drinking Water
	2022	40	75.2	4	4	ppm	Z	Water additive used to control microbes.

Violations

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Arsemic

tome people who drink water containing arsenic in excess of the MCL over many years could experience skin damage or problems with their circulatory

Marine II among a managama ang panganan managama na managama na managan na ma			
Adation Type	Violation Begin	Violation End	Violation Explanation
ACL, AVERAGE	01/01/2022	03/31/2022	Water samples showed that the amount of this contaminant in our drinking water was above its stooded footbol.
HARMAN AND THE CONTROL OF THE PROPERTY OF THE PROPERTY AND A PROPERTY OF THE P	AND THE PROPERTY OF THE PROPERTY AND THE PROPERTY OF THE PROPE	ANTICATOR IN THE STANDARD MANUAL MANUAL STANDARD	contaminant level and abbreviated MCL) for the period indicated.

ublic Notification Rule

he 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 heir drinking water (e.g.

	The state of the s	AN ALCOHOLOGICALIST CONTROL SANDAR CANTINALIST DESCRIPTION	mother than the selection of the contract of t
We failed to adequately notify you, our drinking water consumers, about a violation of the drinking water regulations.	08/04/2022	07/21/2022	UBLIC NOTICE RULE LINKED TO IOLATION
•		(
Violation Rentales	Violation Em	Violation Begin	Iolation Type
(e.g.) Information material motion of motions			Survey Parts)