

Drinking Water Samples tested by Pace Analytical

Dr. Wilma Subra Analysis

Houston River Water System 7-12-24

Diesel Range Organics	197 ug/l
Di-n-butylphthalate	720 ug/l
Bromodichloromethane	3.0 ug/l
Bromoform	1.8 ug/l
Dibromochloromethane	4.1 ug/l

City of Sulphur Water System

Bromoform	2.2 ug/l
Bromodichloromethane	3.6 ug/l
Dibromochloromethane	5.5 ug/l

Health Impacts

Diesel Range Organics

May cause cancer

Impacts liver and kidney functions

Damages to retina and causes cataracts

Irritates the skin

Leads to respiratory issues

Bromoform

Acute Health Impacts

Irritates nose, throat and lungs

Causes coughing, wheezing, shortness of breath, headaches, dizziness, tremors, loss of memory, convulsions, passing out.

Chronic Health Impacts

Maybe a carcinogen in humans

Shown to cause cancer of the large intestines in animals.

Limited evidence may damage the developing fetus in animals.

Prolonged or repeated contact can cause a skin rash, redness, burning feeling.

Irritates the lungs.

Dibromochlormethane

Liver and kidney damage

Effects brain

Causes liver and kidney exposure in animals

Causes serum chemistry changes

Fat accumulates in the liver.

Bromodichloromethane

Probable or reasonable anticipated human carcinogen

Animal studies show it can cause tumors in liver, kidney and large intestines.

Fetal skeletal anomalies

Causes liver effects in humans

Pathological changes in the adrenals, lung and brain.

Di-n-butyl phthalate used as a plasticizer in plastics.

Irritates the eyes, nose and throat.

Causes nausea, vomiting, dizziness, headache and seizures.

Can damage the liver and kidneys

May affect the nervous system.

Maybe a teratogen in humans.

May damage a developing fetus.

May harm the male reproductive system including testes.

City of Sulphur Water System
LA 1019044

Well # 10 North Plant, Ground Water
Well # 11 North Plant, Ground Water
Well # 12 Verdine Plant, Ground Water
Well # 13 Verdine Plant, Ground Water
Well # 7, Irwin, Ground Water

Louisiana Department of Health Drinking Water Watch
2023 Consumer Confidence Report

Chlorine 1.9 ppm (0.67 to 2.79 ppm)

Barium 0.29 ppm (0 - 0.29 ppm)

Fluoride 0.22 ppm (0.1 to 0.22 ppm)

Radiological Contaminants

Radium 226 & 228 0 - 0.991 pCi/l

Gross Alpha Particles 0 - 2.65 pCi/l

Gross Beta Particles 1.53 - 3.72 pCi/l

Radium 226 0 - 0.953 pCi/l

Radium 228 0-0.991 pCi/l

Copper 0.1 - 1.7 ppm

Lead 1 - 22 ppb

Total Haloacetic Acid (HAA5)

1009 Cass St. 2.4-4.2 ppb

1317 Meadow 2.6 - 4.2 ppb

1528 Weekly Rd. 1.3 - 4.8 ppb

901 Prater Rd. 5.3 - 5.9 ppb

1009 Cass St. 9.8 - 12.5 ppb

1317 Meadow 9.5 - 12 ppb

1528 Weekly Rd. 7.5 - 12.2 ppb

901 Prater Rd. 18.8 - 22.8 ppb

Treated Secondary Contaminants

Iron 0 - 0.68 mg/l

Manganese 0-0.05 mg/l

Houston River Water Works District 11 - 2023 data
LA 1019119

Source: Well #1 - South - Ground Water

Well #2 -North - Ground Water

Chlorine 0.65 - 1.26 ppm

Fluoride 0.2 ppm

Radium 226 & 228 0 - 0.684 pci/l

Gross Beta 1.65 - 1.75 pci/l

Radium 226 0-0.684 pci/l

Free Copper 0.1 - 0.7 ppm

Lead 1-6 ppb

Total Haloacetic Acid (HAA5)

2537 Hwy. 388 3.7 ppb

Fire Station Hwy 90 W 2.8 ppb

TTHM

2537 Hwy 388 11.7 ppb

Fire Station Hwy 90 W 7.7 ppb

Aluminum 0.02 mg/l - 0.03 mg/l

Chloride 22 mg/l

Iron 1.41 - 2.74 mg/l

Manganese 0.34 - 0.36 mg/l

pH 6.27 - 6.34

Sulfate 3 m/l

Iron 0 - 0.05 mg/l