

## 2021 Consumer Confidence Report for Public Water System CREAMOOR MAHA WSC

This is your water quality report for January 1 to December 31, 2021.

CREAMOOR MAHA WSC provides surface water and ground water from [insert source name of aquifer, reservoir, and/or river] located in [insert name of County or City].

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Este reporte incluye información importante sobre el agua para tomar. Para asistencia en español, favor de llamar al teléfono (512) 243-2113.

For more information regarding this report contact:

### Definitions and Abbreviations

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#### Action Level:

Avg:

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.

Regulatory compliance with some MCLs are based on running annual average of monthly samples.

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 system.

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 treatment technology.

Maximum Contaminant Level or MCL:

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 Contaminant Level Goal or MCLG:

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 contaminants.

Maximum residual disinfectant level or MRDL:

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.

MFL

millions per liter (a measure of asbestos)

mrem:

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

na:

nephelometric turbidity units (a measure of turbidity)

NTU

picocuries per liter (a measure of radioactivity)

## 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.

## Information about your 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, radioactive material, and can pick up 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 that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline at (800) 426-4791.

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.
- 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 gas production, mining, or farming.
- Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.
- Organic chemical contaminants, 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.
- Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

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 causes 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 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 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 Hotline (800-426-4791).

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. 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 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>.

#### Information about Source Water

CREEDMOOR MAHA WSC purchases water from CITY OF AUSTIN WATER & WASTEWATER. CITY OF AUSTIN WATER & WASTEWATER provides purchase surface water from <style isBold='true'>[insert source name of aquifer, reservoir, and/or river]</style> located in <style isBold='true'>[insert name of County or City]</style>. <style isBold="true">[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. THM, HAA5, Lead and Copper, Coliforms)]</style>

CREEDMOOR MAHA WSC purchases water from AQUA WSC. AQUA WSC provides purchase ground water from [insert source name of aquifer, reservoir, and/or river] located in [insert name of County or City]. [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. THM, HAA5, Lead and Copper, Coliforms)].

TCEQ completed an assessment of your source water, and results indicate that some of our sources are susceptible to certain contaminants. The sampling requirements for your water system is based on this susceptibility and previous sample data. Any detections of these contaminants will be found in this Consumer Confidence Report. For more information on source water assessments and protection efforts at our system contact [insert water system contact][insert phone number]

Lead and Copper	Date Sampled	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	2021	1.3	1.3	0.117	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing fixtures.

## 2021 Water Quality Test Results

Disinfection By-Products	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Haloacetic Acids (HAA5)	2021	2	0 - 2.8	No goal for the total	60	ppb	N	By-product of drinking water disinfection.

\*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 Trihalomethanes (TTHM)	2021	8	2 - 20	No goal for the total	80	ppb	N	By-product of drinking water disinfection.
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\*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	Likely Source of Contamination
Barium	09/18/2019	0.103	0.103 - 0.103	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Cyanide	04/29/2020	10	0 - 10	200	200	ppb	N	Discharge from plastic and fertilizer factories; Discharge from steel/metal factories.
Fluoride	04/29/2020	0.84	0.66 - 0.84	4	4.0	ppm	N	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
Nitrate [measured as Nitrogen]	2021	1	0.11 - 1.25	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Gross alpha excluding radon and uranium	04/29/2020	4.2	4.2 - 4.2	0	15	pCi/L	N	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)	Source in Drinking Water
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	2021	1.59	0.88 – 2.5	4	4	ppm	N	Water was treated with Chlorine.
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### Violations

#### **Chlorine**

Some people who use water containing chlorine well in excess of the MRL could experience irritating effects to their eyes and nose. Some people who drink water containing chlorine well in excess of the MRL could experience stomach discomfort.

Violation Type	Violation Begin	Violation End	Violation Explanation
Disinfectant Level Quarterly Operating Report (DLQOR)	04/01/2021	06/30/2021	We failed to deliver copies of the water testing during the period indicated to the TCEQ in the required time frame. The tests were performed and the water quality met required parameters for safe drinking standards.



## CONSUMER CONFIDENCE REPORT 2021 DATA

- Austin Water is in compliance with the Total Organic Carbon (TOC) removal requirements in the Disinfection Byproducts Rule.
- All surface water sources are known to be susceptible to contamination by *Cryptosporidium*. Because of this, Austin Water monitors for *Cryptosporidium* in the lake water, which is the source of water to the water treatment plants.
- During the 2021 monitoring for *Cryptosporidium*, 4 samples reported no detection, 5 samples reported a detection of 1 oocyst and 1 sample reported a detection of 2 oocysts.
- The water plants treat drinking water with a filtration process that has been shown to remove *Cryptosporidium*.
- Customers of the City of Austin receive their drinking water from three water treatment plants that pump surface water from the Lower Colorado River as it flows through Lake Travis and Lake Austin.

### Key

AL = Action Level

MCL = Maximum Contaminant Level

MCLG = Maximum Contaminant Level Goal

n/a = not applicable

NTU = Nephelometric Turbidity Units (a measure of turbidity)

ppm = parts per million or milligrams per liter

ppb = parts per billion or micrograms per liter

TT = Treatment Technique

pCi/L = picocuries per liter (a measure of radioactivity)

### Regulated at the Treatment Plant

Parameter	MCL	MCLG	Date	Low	High	Average	Possible sources
Barium (ppm)	2	2	2021	0.010	0.013	0.011	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Beta/Photon Emitters (pCi/L*)	50	0	2021	4.30	4.30	4.30	Decay of natural and man-made deposits of certain minerals that are radioactive and may emit forms of radiation known as photons and beta radiation
Copper (ppm)	AL = 1.3	1.3	2021	<0.002	0.0060	0.003	Corrosion of household plumbing systems; erosion of natural deposits
Cyanide (ppb)	200	200	2021	10	110	70	Discharge from steel/metal factories; discharge from plastic and fertilizer factories
Fluoride (ppm)	4.0	4.0	2021	0.65	0.90	0.75	Water additive which promotes strong teeth; erosion of natural deposits; discharge from fertilizer and aluminum factories
Nitrate (as Nitrogen) (ppm)	10	10	2021	<0.05	0.17	0.10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Turbidity (NTU)	TT - 95% of samples must be ≤ 0.3 NTU & no sample > 1.0 NTU	n/a	2021	0.01	0.23	0.04	Soil runoff; Turbidity is a measure of the cloudiness of the water.
				100% of readings were below 0.3 NTU each month of the year			

\*EPA considers 50 pCi/L to be the level of concern for beta particles

### Disinfection Byproducts Rule Regulated at the Treatment Plant

Parameter	MCL	MCLG	Date	Low	High	Average	Possible sources
TOC Removal Ratio (%)	TT - Average ≥ 1	n/a	2021	1.49	2.47	1.97	Naturally present in the environment

The Total Organic Carbon (TOC) removal ratio is the percent of TOC removed through the treatment process divided by the percent of TOC required by the TCEQ to be removed. TOC has no adverse health effects. TOC provides a medium for the formation of disinfection byproducts when water is disinfected. Disinfection is necessary to ensure that water does not have unacceptable levels of pathogens.

### Unregulated Contaminant Monitoring Regulations Reporting (UCMR)

Parameter	MCLG	Date	Low	High	Average	Possible Sources
Bromodichloromethane (ppb)	0	2021	7.1	14.1	10.2	
Dibromochloromethane (ppb)	60	2021	6.6	11.2	9.6	
Chloroform (ppb)	70	2021	4.4	20.2	8.7	
Bromoform (ppb)	0	2021	1.1	3.4	2.2	
Dichloroacetic Acid (ppb)	0	2021	3.3	9.9	6.3	
Trichloroacetic Acid (ppb)	20	2021	<1.0	3.4	2.0	
Dibromoacetic Acid (ppb)	n/a	2021	1.5	3.7	2.7	
Bromochloroacetic Acid (ppb)	n/a	2021	2.2	6.6	4.5	
HAA5* - five regulated haloacetic acids (ppb)	n/a	2019	12.9	26.7	17.3	
HAA6Br* - six brominated haloacetic acids (ppb)	n/a	2019	9.2	17.2	12.8	
HAA9* - nine haloacetic acids (ppb)	n/a	2019	20.9	39.9	28.3	

Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted. Any unregulated contaminants detected are reported in the table above. For additional information and data visit: <https://www.epa.gov/dwucmr/fourth-unregulated-contaminant-monitoring-rule>, or call the Safe Drinking Water Hotline at 800-426-4791.

\*These parameters were monitored as required by EPA's Fourth Unregulated Contaminant Monitoring Rule (UCMR 4).

**Aqua Water Supply Corporation  
2021 Safe Drinking Water Sample Results**

Radiochemicals

Contaminant (Units)	MCL	MCLG	Rosinsky (1)	S (2)	ER (3)	Highway 21 (4)	Camp Swift (5)	M (6)	L (7)	C (8)	Blue (9)	McDade (13)	Delhi (15)	McMahon (16)	Range	Highest	Likely Source
Year Sampled			2017	2017	2017	2017	2017	2017	2017	2021	2017	2020	2021	2021			
Gross Beta Particles (pCi/L)	50	0	<1.0	<1.0	<4.0	<4.0	5.0	<1.0	<1.0	<1.0	5.7	5.2	5.4	4.4	<1.0-5.7	5.7	Decay of natural and man-made deposits.
Radium 228 (pCi/L)	5	0	<1.0	<1.0	1.15	<1.0	<1.0	<1.0	<1.0	<1.0	1.53	<1.0	<1.0	<1.0	<1.0-1.53	1.53	Erosion of natural deposits.
Gross Alpha Excluding Radium/Uranium (pCi/L)	15	0	<1.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	Erosion of natural deposits.
Gross Alpha Including Radium/Uranium (pCi/L)	15	0															Erosion of natural deposits.
Uranium (ppb)	30	0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	Erosion of natural deposits.

Aqua Water Supply Corporation  
2021 Safe Drinking Water Sample Results

## Inorganics (All Metals)

Contaminant	MCL/GNCL	Roskilly (1)	S (2)	ER (3)	Highway 21 (4)	Camp Swift (5)	M (6)	L (7)	C (8)	Blue (9)	McDade (13)	Delhi (15)	McMahon (16)	Range	Highest	Likely Source
Year Sampled		2020	2020	2020	2020	2019	2019	2021	2019	2019	2020	2021	2021			
Total Hardness, as CaCO <sub>3</sub> (mg/L)	<100	13.5	5.3	1.8	41.9	22.0	45.0	28.7	178	17.5	12.0	22.4	19.4			
Aluminum (mg/L)		<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	
Antimony (ppm)	6	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Arsenic (ppm)	10	0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
Barium (ppm)	2	2	0.0656	0.0816	0.1450	0.128	0.119	0.0372	0.0124	0.1000	0.0361	0.142	0.0797	0.0798	0.0124-0.145	0.145
Beryllium (ppb)	4	4	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	
Calcium (ppm)	5	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Chromium (ppb)			8.25	1.2	48	11.3	72.6	16.8	1.5	5.5	4.72	38.8	7	15.7		
Copper (ppm)	100	100	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		
Iron (ppm)		10.1	0.017	0.0025	0.0102	0.0095	0.0035	0.013	0.0126	0.0126	0.0078	0.0102	0.0102	0.0102		
Lead (ppm)		0.014	0.016	0.011	0.009	0.0085	0.002	0.007	0.012	0.016	0.001	0.004	0.004	0.004		
Manganese (ppm)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
Manganese (ppb)	1.21	0.18	0.26	0.82	0.45	3.78	0.10	0.72	1.34	0.07	1.8	1.57	1.57	1.57		
Manganese (ppm)	0.0007	0.016	0.0006	0.0200	0.0012	0.0018	0.0023	0.0018	0.0017	0.0017	0.0013	0.0013	0.0013	0.0013		
Nickel (ppb)	2	2	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40		
Potassium (mg/L)		<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001		
Selenium (ppm)	50	50	<1.0	5.2	5.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Silver (ppb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
Thallium (ppb)	0.5	2	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40		
Zinc (mg/L)		0.0052	<0.005	0.0121	0.0118	<0.005	0.0052	0.011	<0.005	0.0125	0.011	0.0125	0.0125	0.0125	<0.0125	

**Aqua Water Supply Corporation**  
**2021 Safe Drinking Water Sample Results**

Inorganics (Single Mineral)

Contaminant	MCLG	MCL	Rosanky (1)	S (2)	ER (3)	Highway 21 (4)	Camp Swift (5)	M (6)	L (7)	C (8)	Blue (9)	McDade (13)	Delhi (15)	McMahan (16)	Range	Highest	Likely Source
Year Sampled			2020	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020		
Cyanide (ppb)	200	200	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	Discharge from steel/metal factories; Discharge from plastic and fertilizer factories.

Aqua Water Supply Corporation  
2021 Safe Drinking Water Sample Results

BRUNSWICK (Mingent)

Constituent	MCLG	MCL	Rosinsky (1)	S (2)	ER (3)	Highway 21 (4)	Camp Swift (5)	N (6)	L (7)	C (8)	Blue (9)	McDade (13)	Dulü (15)	McMahan (16)	Range	Highest	Likely Source
Year Sampled			2020	2020	2020	2020	2020	2020	2020	2020	2020	2021	2021	2021			
pH (S.U.)			>5	7.4	7.7	7.6	7.4	7	7.8	8.1	7.7	7.7	8.3	8.3			
Dissolved Conductance (microsiemens)			765	1,300	735	423	644	684	441	604	693	596	1,500	834			
Phosphate in Alkalinity as CaCO <sub>3</sub> (mg/L)			<2	<2	<2	<2	<2	<2	<2	<10	<2	<2	<10	<10	<10	<10	
Total Alkalinity as CaCO <sub>3</sub> (mg/L)			369	120	212	174	180	217	185	103	176	205	16	210			
Bicarbonate (mg/L)			150	523	259	212	220	205	226	248	215	250	20	310			
Chloride (ppm)			4	4	0.5	0.92	0.34	0.18	0.21	0.13	0.18	0.38	0.12	0.21	<0.1	0.42	<0.1-0.92
Fluoride (ppm)			4	4	0.5	0.92	0.34	0.18	0.21	0.13	0.18	0.38	0.12	0.21	<0.1	0.42	<0.1-0.92
Chloride (mg/L)			22	64	79	18	47	13	28	48	47	35	25	76			
Sulfate (mg/L)			9	52	32	24	62	73	9	21	87	44	18	77			
Total Dissolved Solids (mg/L)			418	721	395	357	381	408	204	52	380	344	112	430			
Nitrate as N (ppm)			10	10	<0.05	0.13	<0.05	<0.05	0.06	0.06	<0.05	<0.05	<0.05	<0.05	<0.05-0.13	0.13	Rainfall from fertilizer use; Leaching from septic tanks, sewage; Erosion of Natural deposits

**Aqua Water Supply Corporation**  
**2021 Safe Drinking Water Sample Results**

Inorganics (Nitrate/Nitrite)

Constituent	MCLG	MCL	Rosinsky (1)	S (2)	ER (3)	Highway 21 (4)	Camp Swift (5)	M (6)	L (7)	C (8)	Blue (9)	McDade (13)	Bellin (15)	McFarhan (16)	Range	Highest	Likely Source
Year Sampled			2019	2019	2019	2019	2019	2019	2019	2019	2019	2019	2019	2019	2019	2020	2020
Nitrite as N (ppm)	1	1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	Runoff from fertilizer use; Leaching from septic sewage; Erosion of natural deposits
Year Sampled			2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021
Nitrate as N (ppm)	10	10	<0.05	0.13	<0.05	0.05	<0.05	0.06	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05-0.13	0.13 Runoff from fertilizer use; Leaching from septic sewage; Erosion of natural deposits.

**Aqua Water Supply Corporation  
2021 Safe Drinking Water Sample Results**

**Semivolatile Organic Compounds (Pesticides) SOC5**

Contaminant	MCLG	MCL	Roskamp (1)	S (2)	ER (3)	Highway 21 (4)	Camp Swift (5)	M (6)	L (7)	C (8)	Blue (9)	McDade (13)	Delhi (15)	McMahahan (16)	Range	Highest	Likely Source
Year Sampled			2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2019			
Chlordane (ppb)	0	2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	Residual of banned termiticide.
Endrin (ppb)	2	2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Residual of banned insecticide.
Heptachlor epoxide (ppm)	0	200	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	Breakdown of heptachlor
Toxaphene (ppb)	0	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	Rainoff/heating from insecticide used on cotton and cattle.

## Aqua Water Supply Corporation 2021 Safe Drinking Water Sample Results

## Semivolatile Organic Compounds (Herbicides)

Contaminant	MCL/G	MCL	Rosanky (1)	S (2)	ER (3)	Highway 21 (4)	Camp Swift (5)	M (6)	L (7)	C (8)	Blue (9)	McArdle (13)	Dulhi (15)	McMahon (16)	Range	Highest	Likely Source
Year Sampled			2020	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020			
2,4-D (ppb)	70	70	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			Runoff from herbicide used on row crops.
2,4,5-TP Silvex (ppb)	50	50	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2			Residue of banned herbicide.
Pentachlorophenol (ppb)	0	1	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04			Discharge from wood preserving factories.
Dibutone (ppb)	200	200	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			Runoff from herbicide used on right of way.
Dinoseb (ppb)	7	7	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2			Runoff from herbicide used on soybeans and vegetables.
Picloram (ppb)	500	500	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			Herbicide runoff.
Antifoam (µg/L)			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
Benzene (µg/L)			<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0			
Chlorobenzene (µg/L)			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
2,4-DB (µg/L)			<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0			
Dicamba (µg/L)			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
S,5-Dichlorobenzene (µg/L)			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
Dichloroprop (µg/L)			<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0			
Dinitrophenol (µg/L)			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
2,4,5-T (µg/L)			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			

Aqua Water Supply Corporation  
2021 Safe Drinking Water Sample Results

Semivolatile Organic Compounds

Contaminant	MCLG	MCL	Rosinsky (1)	S (2)	ER (3)	Highway 21 (4)	Camp Swift (5)	M (6)	L (7)	C (8)	Blue (9)	McMadden (13)	Delhi (15)	McMahon (16)	Range	Highest	Likely Source
Year Sampled	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2019		
Nicethione (μg/L)	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21		
Nicromycin (μg/L)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		
Nomothiazine (μg/L)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		
2,2',3,3',4,5-hexachlorobiphenyl (μg/L)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		
2,2',3,3',4,6-hexachlorobiphenyl (μg/L)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		
Thiomalic acid (μg/L)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		
Iron(III) (μg/L)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		
Iron(II) (μg/L)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		
Iron(IV) (μg/L)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		
Iron(III,IV) (μg/L)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		
2,3,4,4'-Tetrachlorobiphenyl (μg/L)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		
2,4,4'-Trichlorobiphenyl (μg/L)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		
Pristane (μg/L)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		
sulfur (μg/L)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		
Monitored Compounds (per CFR 141 Part C)																	
Tentatively Identified Compounds																	

Sampled three times during the year

**Aqua Water Supply Corporation  
2021 Safe Drinking Water Sample Results**

**Volatile Organic Compounds**

Contaminant	MCLG	MCL	Rosicky (1)	S (2)	ER (3)	Highway 21 (4)	Camp Swift (5)	M (6)	L (7)	C (8)	Blue (9)	McDade (13)	Delhi (15)	McNahan (16)	Range	Average	Highest	Likely Source
Year Sampled			2021	2021	2021	2021	2021	2021	2021	2021	2020	2021	2021	2021				
Benzene (ppb)	0	5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5				Discharge from factories; Leaching from gas storage tanks and landfills.
Carbon tetrachloride (ppb)	0	5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5				Discharge from chemical plants and other industrial activities.
Monochlorobenzene (ppb)	100	100	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5				Discharge from chemical and agricultural chemical factories.
o-Dichlorobenzene (ppb)	600	600	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5				Discharge from industrial chemical factories.
p,p'-Dichlorobenzene (ppb)	7.5	7.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5				Discharge from industrial chemical factories.
1,2-Dichloroethylene (ppb)	0	5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5				Discharge from industrial chemical factories.
cis-1,2-Dichloroethylene (ppb)	70	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5				Discharge from industrial chemical factories.
trans-1,2-Dichloroethylene (ppb)	100	100	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5				Discharge from industrial chemical factories.
1,2-Dichloropropane (ppb)	0	5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5				Discharge from industrial chemical factories.
Dichloromethane (ppb)	0	5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5				Discharge from industrial chemical factories.
Tetrahybzen (ppb)	700	700	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5				Discharge from industrial chemical factories.
Syrene (ppb)	100	100	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5				Discharge from rubber and plastic factories; Leaching from landfills.
Tetrachloroethylene (ppb)	0	5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5				Leaching from PVC pipes; Discharge from factories and dry cleaners.
Toluene (ppb)	1	1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5				Discharge from pharmaceutical and chemical factories.
1,2,4-Trichlorobenzene (ppb)	70	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5				Discharge from petroleum refineries.
1,1,1-Trichloroethane (ppb)	200	200	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5				Discharge from rubber and plastic factories; Leaching from landfills.
1,1,2-Trichloroethane (ppb)	3	5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5				Leaching from PVC pipes; Discharge from plastic factories.
Vinyl chloride (ppb)	0	2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5				Leaching from PVC pipes; Discharge from petroleum factories; Discharge from chemical factories.
Total Xylenes (ppb)	10	10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5				

Contaminant	MCLG	MCL	Rosinsky (1)	S (2)	ER (3)	Highway 21 (4)	Camp Swift (5)	M (6)	L (7)	C (8)	Blue (9)	McDate (13)	Delhi (15)	McLahan (16)	Range	Average	Highest	Likely Source
Year Sampled			2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021				
Chloroform ( $\mu\text{g/L}$ ) <sup>a</sup>			3.1	1.5	<1.0	1.0	1.0	1.2	1.7	<1.0	1.7	<1.0	<1.0	<1.0	<1.0-3.1	1.6	3.1	
Bromodichloromethane ( $\mu\text{g/L}$ ) <sup>a</sup>			3.9	3.2	<1.0	<1.0	2.6	1.5	2.1	1.0	1.5	3.5	<1.0	1.2	<1.0-3.9	2.3	3.9	
Dibromoethane ( $\mu\text{g/L}$ ) <sup>a</sup>			3.9	5.1	<1.0	<1.0	3.6	1.6	1.8	1.8	2.3	4.6	<1.0	2.5	<1.0-5.1	3.0	5.1	
Bromoform ( $\mu\text{g/L}$ ) <sup>a</sup>			1.3	4.0	1.3	<1.0	2.1	<1.0	1.7	1.6	2.1	<1.0	<1.0	3.4	<1.0-4.0	2.2	4.0	
Dibromochloromethane ( $\mu\text{g/L}$ ) <sup>a</sup>			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
1,3-Dichlorobenzene ( $\mu\text{g/L}$ )			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
1,4-Dichloroethylene ( $\mu\text{g/L}$ )			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
1,1,2,2-Tetrachloroethane ( $\mu\text{g/L}$ )			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
1,3-Dichloropropane ( $\mu\text{g/L}$ )			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Chloromethane ( $\mu\text{g/L}$ )			<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
Bromochloromethane ( $\mu\text{g/L}$ )			<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
1,2,3-Trichloropropane ( $\mu\text{g/L}$ )			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
1,1,2-Tetrachloroethane ( $\mu\text{g/L}$ )			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Chloroethane ( $\mu\text{g/L}$ )			<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
2,2-Dichloropropane ( $\mu\text{g/L}$ )			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
2-Chloroethane ( $\mu\text{g/L}$ )			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
4-Chloroethene ( $\mu\text{g/L}$ )			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Bromobenzene ( $\mu\text{g/L}$ )			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
(E)-1,3-Dichloropropene ( $\mu\text{g/L}$ )			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
trans-1,4-Dichloroethylene ( $\mu\text{g/L}$ )			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
1,2,4-Triethylbenzene ( $\mu\text{g/L}$ )			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
1,2,3-Tribromobenzene ( $\mu\text{g/L}$ )			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
n-Propylbenzene ( $\mu\text{g/L}$ )			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
m-Biphenyl ( $\mu\text{g/L}$ )			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
p-Biphenyl ( $\mu\text{g/L}$ )			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Naphthalene ( $\mu\text{g/L}$ )			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Hexachlorobutadiene ( $\mu\text{g/L}$ )			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
1,3,5-Trimethylbenzene ( $\mu\text{g/L}$ )			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
4-Kyphopropene ( $\mu\text{g/L}$ )			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Styrene/benzene ( $\mu\text{g/L}$ )			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
4-Chlorostyrene ( $\mu\text{g/L}$ )			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
4-Chlorobiphenyl ( $\mu\text{g/L}$ )			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Acetone ( $\mu\text{g/L}$ ) <sup>a</sup>			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Acetonitrile ( $\mu\text{g/L}$ ) <sup>a</sup>			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
2-Bromo-4-MEK ( $\mu\text{g/L}$ ) <sup>a</sup>			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Carbon disulfide ( $\mu\text{g/L}$ ) <sup>a</sup>			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
(E,E)-Methyleneketone ( $\mu\text{g/L}$ ) <sup>a</sup>			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Methyl-4-chlorobiphenyl (MBCB) ( $\mu\text{g/L}$ ) <sup>a</sup>			<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
Tetrahydrorotan ( $\mu\text{g/L}$ ) <sup>a</sup>			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Vinyl acetate ( $\mu\text{g/L}$ ) <sup>a</sup>			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	

Monitored Compounds [40 CFR 141-40(e)]

Other Compounds

Aqua Water Supply Corporation  
2021 Safe Drinking Water Sample Results

Organics (EDB & DBCP)

Aqua Water Supply Corporation  
2021 Safe Drinking Water Sample Results

## Organics (Carbamates by HPLC)

Aqua Water Supply Corporation  
2021 Safe Drinking Water Sample Results

Disinfection Byproducts (Distribution)

Contaminant	MCLG (MCL) 8483 FM 713 (DBP1-11)	18B Sayers Road (DBP1-11)	125 Keller (DBP1-04)	154 FM 2239 Round (DBP1- 05)	170 Loop Carbon (DBP1- 06)	17018 Lund 71 (DBP1-07)	2054 E Hwy (DBP1-08)	4184 FM 696 (DBP1-09)	FM 20 & Hwy 304 Brule Road (DBP1-10)	RT 2 Hwy 140 Hwy 290 (DBP1-11)	Range	Highest	Average	Likely Source
Year Sampled														
Total HAA5 (ppb)	n/a	60.0	3.7	1.6	3.2	12.8	<0.1	2.1	3.6	<0.1	1.3	<0.1	1.2	3.6 By-product of drinking water disinfection.
Total THM (ug/l.)	n/a	81.0	16.8	13.1	24.3	31.4	1.4	30.7	36.6	6.9	9.2	<1.0	14.9	<1.0-36.6 By-Product of drinking water disinfection.

**Aqua Water Supply Corporation  
2021 Safe Drinking Water Sample Results**

**Unregulated Contaminants Monitoring Rule III**

**Entry Points**

**Volatile Organic Compounds (VOC)**

Contaminant	Units	Rosanky (1)	S (2)	ER (3)	Highway 21 (4)	Camp Swift (5)	M (6)	L (7)	C (8)	Blue (9)	McDate (13)	Delhi (15)	McMahon (16)	Range	Average	Highest	Likely Source
Year Sampled		2014															
Chlorodifluoromethane (HCFC-22)	µg/L	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	0	0	
(Chloromethane Methyl chloride)	µg/L	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	0	0	
1,1-Bisulfone	µg/L	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	0	0	
Bromonitromethane (Methyl Bromide)	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0	0	
1,1-Dichloroethylene	µg/L	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	0	0	
Bromoacetonitrile (Halon 1011)	µg/L	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	0	0	
(2,3-Trichloropropene	µg/L	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	0	0	

**Synthetic Organic Compounds (SOC)**

Contaminant	Units	Rosanky (1)	S (2)	ER (3)	Highway 21 (4)	Camp Swift (5)	M (6)	L (7)	C (8)	Blue (9)	McDate (13)	Delhi (15)	McMahon (16)	Range	Average	Highest	Likely Source
Year Sampled		2014															
Chloroac	µg/L	<0.016	<0.052	<0.052	<0.052	<0.052	<0.052	<0.052	<0.052	<0.052	<0.052	<0.052	<0.052	<0.052	0	0	

0-oxahalide Anion

Contaminant	Units	Rosanky (1)	S (2)	ER (3)	Highway 21 (4)	Camp Swift (5)	M (6)	L (7)	C (8)	Blue (9)	McDate (13)	Delhi (15)	McMahon (16)	Range	Average	Highest	Likely Source
Year Sampled		2014															
Chloroac	µg/L	<0.016	<0.052	<0.052	<0.052	<0.052	<0.052	<0.052	<0.052	<0.052	<0.052	<0.052	<0.052	<0.052	0	0	

Metals

Contaminant	Units	Rosanky (1)	S (2)	ER (3)	Highway 21 (4)	Camp Swift (5)	M (6)	L (7)	C (8)	Blue (9)	McDate (13)	Delhi (15)	McMahon (16)	Range	Average	Highest	Likely Source
Year Sampled		2014															
Chromium Total	µg/L	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	0	0	
Cobalt Total	µg/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	2.51	2.51	2.51
Nickel Total	µg/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	0	0	
Vanadium Total	µg/L	279	964	462	1050	457	891	64	401	4210	1210	63.5	1370	63.5-4210	952	4210	
Hexavalent Chromium	µg/L	0.0469	0.071	0.0100	0.0569	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100-1.41	1.41	1.41	

Perfluorinated Compounds

Contaminant	Units	Rosanky (1)	S (2)	ER (3)	Highway 21 (4)	Camp Swift (5)	M (6)	L (7)	C (8)	Blue (9)	McDate (13)	Delhi (15)	McMahon (16)	Range	Average	Highest	Likely Source
Year Sampled		2014															
Perfluorobutanesulfonic acid (PFBS)	µg/L	<0.018	<0.086	<0.081	<0.085	<0.085	<0.085	<0.085	<0.085	<0.082	<0.078	<0.080	<0.084	<0.084	0	0	
Perfluorotetradecanoic acid (PFTeA)	µg/L	<0.017	<0.032	<0.030	<0.035	<0.039	<0.032	<0.032	<0.032	<0.032	<0.037	<0.038	<0.036	<0.036	0	0	
Perfluorooctanoic acid (PFOA)	µg/L	<0.012	<0.010	<0.010	<0.012	<0.013	<0.012	<0.012	<0.012	<0.012	<0.012	<0.013	<0.013	<0.013	0	0	
Perfluorooctanoic acid (PFFOA)	µg/L	<0.0215	<0.0201	<0.0200	<0.0201	<0.0204	<0.0206	<0.0215	<0.0204	<0.0205	<0.0206	<0.0197	<0.0200	<0.0200	0	0	
Perfluorooctane sulfonic acid (PFOS)	µg/L	<0.0199	<0.0403	<0.0400	<0.0407	<0.0413	<0.0413	<0.0413	<0.0413	<0.0409	<0.0411	<0.0394	<0.0400	<0.0402	0	0	

### Distribution Points

#### Oxyhalide Arsenic

Contaminant	Units	1472 FM 3571 (1)	Buddha Temple (2)	New Sweden (3)	Word of Life Church (4)	Word of Life Church (5)	La Columbia (6)	154 FM Pleasant Grove (7)	508 West VFD Round (8)	Knobs, Baptist Church (10)	Centre (11)	Jock Chamberlain (12)	Range	Average	Highest	Likely Source
Year Sampled																
Chlorine	ppm	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0-31.3	31.3	

#### Metals

Contaminant	Units	1472 FM 2571 (1)	Buddha Temple (2)	New Sweden (3)	Word of Life Church (4)	Word of Life Church (5)	La Columbia (6)	154 FM Pleasant Grove (7)	508 West VFD Round (8)	Knobs, Baptist Church (10)	Centre (11)	Jock Chamberlain (12)	Range	Average	Highest	Likely Source
Year Sampled																
Chromium Total	ppm	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	0	
Cobalt Total	ppm	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	0	
Molybdenum	ppm	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	0	
Sodium	ppm	608	720	457	469	485	1040	62.6	4150	668	1320	73.8	1350	62.6-1150	949	4150
Vanadium	ppm	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200-1.60	1.60	
Tessydeben Chromium	ppm	<0.030	<0.0300	<0.0300	<0.0300	<0.0300	<0.0300	<0.0300	<0.0300	<0.0300	<0.0300	<0.0300	<0.0300	<0.0300-0.230	0.0636	0.1230

Aqua Water Supply Corporation  
2021 Safe Drinking Water Sample Results

Unregulated Contaminants Monitoring Rule III

Entry Points

Volatile Organic Compounds (VOC)

Contaminant	Units	Rosanky (1)	S (2)	ER (3)	Highway 21 (4)	Camp Swift (5)	M (6)	L (7)	C (8)	Blue (9)	McDade (13)	Delhi (15)	McMahon (16)	Range	Average	Highest	Likely Source
Chlorodifluoromethane (FCF <sub>2</sub> )	ng/L	<0.0000	<0.0000	<0.0000	<0.0000	<0.0000	<0.0000	<0.0000	<0.0000	<0.0000	<0.0000	<0.0000	<0.0000	<0.0000	0	0	
chloromethane (Methyl chloride)	ng/L	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	0	0	
1,1,1-Trifluoride	ng/L	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	0	0	
Bromomethane (A methyl Bromide)	ng/L	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0	0	
1,1-Dichloroethane	ng/L	<0.0300	<0.0300	<0.0300	<0.0300	<0.0300	<0.0300	<0.0300	<0.0300	<0.0300	<0.0300	<0.0300	<0.0300	<0.0300	0	0	
Bromoethane (Ethyl bromide)	ng/L	<0.0600	<0.0600	<0.0600	<0.0600	<0.0600	<0.0600	<0.0600	<0.0600	<0.0600	<0.0600	<0.0600	<0.0600	<0.0600	0	0	
1,1,1-Trichloropropane	ng/L	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0	0	

Synthetic Organic Compounds (SOC)

Contaminant	Units	Rosanky (1)	S (2)	ER (3)	Highway 21 (4)	Camp Swift (5)	M (6)	L (7)	C (8)	Blue (9)	McDade (13)	Delhi (15)	McMahon (16)	Range	Average	Highest	Likely Source
1,4-Dioxane	ng/L	<0.0516	<0.0521	<0.0518	<0.0522	<0.0523	<0.0525	<0.0526	<0.0519	<0.0523	<0.0525	<0.0520	<0.0521	<0.0520	0	0	
Chlorate	ng/L	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0-29.5	29.5	29.5	

Oxyhalide Anion

Contaminant	Units	Rosanky (1)	S (2)	ER (3)	Highway 21 (4)	Camp Swift (5)	M (6)	L (7)	C (8)	Blue (9)	McDade (13)	Delhi (15)	McMahon (16)	Range	Average	Highest	Likely Source
Chlorate	ng/L	<0.0516	<0.0521	<0.0518	<0.0522	<0.0523	<0.0525	<0.0526	<0.0519	<0.0523	<0.0525	<0.0520	<0.0521	<0.0520	0	0	

Metals

Contaminant	Units	Rosanky (1)	S (2)	ER (3)	Highway 21 (4)	Camp Swift (5)	M (6)	L (7)	C (8)	Blue (9)	McDade (13)	Delhi (15)	McMahon (16)	Range	Average	Highest	Likely Source
Chromium Total	ng/L	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200-0.29.5	29.5	29.5	
Cobalt Total	ng/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	0	0	
Molybdenum Total	ng/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00-2.51	2.51	2.51	
Strontrium Total	ng/L	279	964	462	1050	457	891	64	-401	4210	1210	63.5	1370	63.5-1210	952	4210	
Vanadium Total	ng/L	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200-1.41	1.41	1.41	
Hexavalent Chromium	ng/L	0.0469	0.0371	<0.0100	0.0569	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100-0.131	0.07	0.133	

Perfluorinated Compounds

Contaminant	Units	Rosanky (1)	S (2)	ER (3)	Highway 21 (4)	Camp Swift (5)	M (6)	L (7)	C (8)	Blue (9)	McDade (13)	Delhi (15)	McMahon (16)	Range	Average	Highest	Likely Source
Perflourbutanesulfonic acid (PFBS)	ng/L	<0.0818	<0.0806	<0.0801	<0.0815	<0.0825	<0.0858	<0.0815	<0.0818	<0.0822	<0.0788	<0.0800	<0.0804	<0.0800-0.131	0.07	0	
Perflourhexanesulfonic acid (PFHxS)	ng/L	<0.0107	<0.0102	<0.0100	<0.0105	<0.0109	<0.0122	<0.0106	<0.0107	<0.0108	<0.0296	<0.0300	<0.0301	<0.0300	0	0	
Perflourheptanoic acid (PFHpA)	ng/L	<0.0102	<0.0101	<0.0100	<0.0102	<0.0103	<0.0107	<0.0102	<0.0103	<0.00985	<0.0100	<0.0100	<0.0100	<0.0100	0	0	
Perflouroctanoic acid (PFOA)	ng/L	<0.0205	<0.0201	<0.0200	<0.0204	<0.0206	<0.0215	<0.0204	<0.0205	<0.0206	<0.0197	<0.0200	<0.0201	<0.0200-0.131	0	0	
Perflourooctane sulfonic acid (PFOS)	ng/L	<0.0409	<0.0403	<0.0400	<0.0407	<0.0413	<0.0413	<0.0413	<0.0413	<0.0407	<0.0409	<0.0409	<0.0409	<0.0409-0.131	0	0	

## Distribution Points

### **Ornithic Animals**

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Contaminant	Units	472 EN 2571 (1)	Rutherford Temple (2)	New Sweden Church (3)	(4)	World at Large Church (5)	1st Column (6)	154 EN 1 225 (7)	500 Pleasant Grave (8)	Kumba, Baptist Church (9)	Context (11)	Jackson Chamberlain (12)	Range	Average	Highest	Likely Source
Year Sampled							2014									
Chromium Total	ug/L	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	0	0
Cobalt Total	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	0	0
Molybdenum	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	0	0
Stronotium	ug/L	608	720	457	469	485	1030	62.6	4150	668	1320	73.8	1350	62.6-4150	94.9	4150
Vanadium	ug/L	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	0.160	0.160
Hexavalent Chromium	ug/L	<0.0300	<0.0300	<0.0300	<0.0300	<0.0300	<0.0300	<0.0300	<0.0300	<0.0300	<0.0300	<0.0300	<0.0300	<0.0300	0.0353	0.1240
														<0.0100-0.1240	0.0636	0.1240

**Aqua Water Supply Corporation**  
**2021 Safe Drinking Water Sample Results**

DBP - 2

Contaminant	MCLG	MCL	Date	154 FM 2239 (DBP2-1)	5554 FM 535 Cedar Creek VFD (DBP2-2)	Bateman Road & Red Rock Ranch Rd. (DBP2-3)	973 & New Sweden Rd. Bolis Tank (DBP2-4)	Range	Highest	Likely Source
Year Sampled				2021	2021	2021	2021			
Total HAA5 (ppb)			4/12/2021	7.4	4.3	4.5	6.7			
			7/26/2021	8.0	3.4	8.4	7.0			
Locational Running Annual Average	N/A	<b>60.0</b>	11/29/2021	10.6	11.1	13.7	14.2	3.4 - 14.2		By-products of drinking water disinfection.
Operational evaluation Level				8.7	6.2	7.3	9.2			
				9.5	6.6	8.5	9.3			
			2/2/2021	21.3	47.1	39.4	41.3			
Total THM (ppb)			4/12/2021	20.5	37.4	44.1	46.1			
			7/26/2021	25.5	67.9	64.8	78.7	20.5 - 78.7		By-products of drinking water disinfection.
Locational Running Annual Average <sup>2</sup>	N/A	<b>80.0</b>	11/29/2021	25.5	45.3	44.2	53.0			
Operational evaluation Level				23.2	49.4	48.1	54.8			
				24.3	49.0	49.3	57.7			

Not Bold = less than the DL

**Aqua Water Supply Corporation  
2021 Safe Drinking Water Sample Results**

**Lead/Copper**

Year Sampled	MCLG	MCL (Action Level)	90th Percentile Value		# Site Above Action Limit	Likely Source
			2020	2020		
Copper (ppm)	1.3	1.3	0.186	0	0	Corrosion of household plumbing systems; Erosion of natural deposits.
Lead (ppb)	0	15	5	1	1	Corrosion of household plumbing systems; Erosion of natural deposits.

Aqua Water Supply Corporation  
2021 Safe Drinking Water Sample Results

Asbestos

Contaminant	MCLG	MCL	Range	Highest	Likely Source
Year Sampled			1034 CR 337	2013	
Asbestos (MFL)	7	7	<0.1987		Decay of asbestos cement water mains; Erosion of natural deposits.

MFL = Million fibers per liter.

Aqua Water Supply Corporation  
2021 Safe Drinking Water Sample Results

Residual Disinfectant

Contaminate	MRDLG	MCL	Average	Range	Likely Source
Year Sampled			2019	2019	
Chlorine (ppm)	4	4	1.83	0.71-3.75	Water additive used to control microbes.

MRDLG = Maximum residual disinfectant level goal.  
MRDL = Maximum residual disinfectant level.

**Aqua Water Supply Corporation  
2021 Safe Drinking Water Sample Results**

**Microbial**

Contaminant	MCLG	MCL	2018	Likely Source
Total Coliform Bacteria	0	Presence of More Than 5% of Monthly Samples	Highest Monthly % Positive Samples	0 Naturally present in the environment.
Fecal Coliforms and <i>E. coli</i>	0	A routine sample and a repeat sample are TC positive, and one is also fecal coliform or <i>E. coli</i> positive. An uncorrected <i>E. coli</i> -positive sample at the raw groundwater source is a TT for the GWR.	Total # Positive Samples,	0 Human and animal fecal waste.

TC = Total Coliform.  
 TT = Treatment Technique  
 GWR = Groundwater Rule.