

# 2022 Consumer Confidence Report for Public Water System CORBET WSC

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

CORBET WSC provides surface water from [Insert source name of aquifer, reservoir, and/or river] located in [Insert name of County or City].

For more information regarding this report contact:

Name David Weinkauf

Phone 903-874-4821

Este reporte incluye información importante sobre el agua para tomar. Para asistencia en español, favor de llamar al telefono (903) 874 -4821.

## Definitions and Abbreviations

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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.

Avg:

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

Level 1 Assessment:

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

Level 2 Assessment:

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.

Maximum Contaminant Level or MCL:

The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal or MCLG:

The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum residual disinfectant level or MRDL:

The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

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.

MFL

million fibers per liter (a measure of asbestos)

mrem:

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

na:

not applicable.

NTU

nephelometric turbidity units (a measure of turbidity)

pCi/L

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

CORBET WSC purchases water from CITY OF CORSICANA. CITY OF CORSICANA provides purchase surface 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. TTHM, HAA5, Lead and Copper, Coliforms)].

TCEQ completed a Source Water Susceptibility for all drinking water systems that own their sources. This report describes the susceptibility and types of constituents that may come into contact with the drinking water source based on human activities and natural conditions. The system(s) from which we purchase our water received the assessment report. For more information on source water assessments and protection efforts at our system contact [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	09/02/2020	1.3	1.3	0.0701	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead	09/02/2020	0	15	1.41	0	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.

## 2022 Water Quality Test Results

Disinfection By-Products	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
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Haloacetic Acids (HAA5)	2022	21	11.3 - 33.6	No goal for the total	60	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 HAA5 sample results collected at a location over a year

Total Trihalomethanes (TTHM)	2022	46	37.5 - 50.1	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
Nitrate [measured as Nitrogen]	2022	0.496	0.496 - 0.496	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

### Disinfectant Residual

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

Disinfectant Residual	Year	Average Level	Range of Levels Detected	MRDL	MRDLG	Unit of Measure	Violation (Y/N)	Source in Drinking Water
Chloramine	2022	2.1	.5 - 3.4	4	4	ppm	ppm	Water additive used to control microbes.

### Violations

Chlorine			
Some people who use water containing chlorine well in excess of the MRDL could experience irritating effects to their eyes and nose. Some people who drink water containing chlorine well in excess of the MRDL could experience stomach discomfort.			
Violation Type	Violation Begin	Violation End	Violation Explanation
Disinfectant Level Quarterly Operating Report (DLQOR).	01/01/2022	03/31/2022	We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated.

**Average Chlorine Residual  
2022**

	A	B	C	D
1	<b>Month</b>	<b>Average Residual (mg/l)</b>		
2	<b>January</b>	2.1		
3	<b>February</b>	1.9		
4	<b>March</b>	2		
5	<b>April</b>	1.9		
6	<b>May</b>	2.1		
7	<b>June</b>	2.3		
8	<b>July</b>	1.5		
9	<b>August</b>	1.8		
10	<b>September</b>	1.9		
11	<b>October</b>	1.8		
12	<b>November</b>	1.9		
13	<b>December</b>	1.79		
14	<b>2022 Yearly</b>			
15	<b>average</b>	1.9		
16				
17	<b>Min. reading</b>	0.5		
18	<b>Max reading</b>	3.1		

## Detected Regulated Contaminates for 2022

### EP2 Lake Halbert

SOC Pesticide	Detected Quantity	MCL	Date Collected	Analytical Method
Atrazine	0.2 ug/L	3 ug/L	6/21/2022	E525.2 GC/MS

VOC's	Detected Quantity	MC/L	Date Collected	Analytical Method
Acetone	11.6 ug/L	N/A	8/23/2022	E524.2 GC/MS
Chloroform	22.8 ug/L	N/A	8/23/2022	E524.2 GC/MS
Bromodichloromethane	21.5 ug/L	N/A	8/23/2022	E524.2 GC/MS
Dibromochloromethane	9.69 ug/L	N/A	8/23/2022	E524.2 GC/MS

Inorganics				
Chloride	17.7 mg/L	300.0 mg/l	4/14/2022	E300.0 Anions
Fluoride	0.498 mg/L	4.0 mg/l	4/14/2022	E300.0 Anions
Nitrate (as N)	0.181 mg/L	10.0 mg/l	4/14/2022	E300.0 Anions
Sulfate	63.9 mg/L	300.0 mg/l	4/14/2022	E300.0 Anions
Total Dissolved Solids	221 mg/L	1000.0 mg/l	4/14/2022	SM2540C

Inorganics Metals Trace Elements				
Calcium Total	43.4 mg/L	N/A	4/14/2022	E200.7 Metals, Trace
Potassium Total	4.76 mg/L	N/A	4/14/2022	E200.7 Metals, Trace
Magnesium Total	3.47 mg/L	N/A	4/14/2022	E200.7 Metals, Trace
Sodium Total	24.4 mg/L	N/A	4/14/2022	E200.7 Metals, Trace

E200.8 ICP-MS				
Aluminum Total	0.022 mg/L	0.2 mg/l	4/14/2022	E200.8 IC-MS
Barium Total	0.059 mg/L	2.0 mg/l	4/14/2022	E200.8 IC-MS
Chromium Total	<0.00100	0.10 mg/l	4/14/2022	E200.8 IC-MS
Copper Total	0.0015 mg/L	1.0 mg/l	4/14/2022	E200.8 IC-MS

### DEFINITIONS

ug/l            parts per billion or micrograms per liter

mg/l            parts per million or milligrams per liter

**Only contaminants at detectable level reported**

## Detected Regulated Contaminates for 2022

### EP 1 Navarro Mills

SOC Pesticide	Detected Quantity	MCL	Date Collected	Analytical Method
Atrazine	1.2 ug/L	3 ug/L	6/21/2022	E525.2 GC/MS
Metolachlor	0.3 ug/L	N/A	6/21/2022	E525.2 GC/MS

### VOC's

Acetone	10.4 ug/L	N/A	8/23/2022	E524.2 GC/MS
Choloroform	16.0 ug/L	N/A	8/23/2022	E524.2 GC/MS
Bromodichloromethane	18.7 ug/L	N/A	8/23/2022	E524.2 GC/MS
Dibromochloromethane	12.7 ug/L	N/A	8/23/2022	E524.2 GC/MS

### Inorganics

Chloride	14.1 mg/L	300.0 mg/l	4/14/2022	E300.0 Anions
Fluoride	0.554 mg/L	4.0 mg/l	4/14/2022	E300.0 Anions
Nitrate (as N)	0.0882 mg/L	10.0 mg/l	4/14/2022	E300.0 Anions
Sulfate	49.3 mg/L	300.0 mg/l	4/14/2022	E300.0 Anions
<b>Total Dissolved Solids</b>	<b>222 mg/L</b>	<b>1000.0 mg/l</b>	<b>4/14/2022</b>	<b>SM2540C</b>

### Inorganics

#### Metals Trace Elements

Calcium	44.9 mg/L	N/A	4/14/2022	E200.7 Metals, Trace
Magnesium	3.12 mg/L	N/A	4/14/2022	E200.7 Metals, Trace
Potassium	3.93 mg/L	N/A	4/14/2022	E200.7 Metals, Trace
Sodium Total	20.4 mg/L	N/A	4/14/2022	E200.7 Metals, Trace

### E200.8 ICP-MS

Aluminum Total	0.048 mg/L	0.2 mg/l	4/14/2022	E200.8 IC-MS
Barium Total	0.047 mg/L	2.0 mg/l	4/14/2022	E200.8 IC-MS
Chromium	<0.00100 mg/L	0.10 mg/l AL	4/14/2022	E200.8 IC-MS
Copper Total	0.0022 mg/L	1.0 mg/l AL	4/14/2022	E200.8 IC-MS
Manganese Total	0.0019 mg/L	0.05 mg/l	4/14/2022	E200.8 IC-MS
Nickel Total	0.0012 mg/L	.1 mg/l	4/14/2022	E200.8 IC-MS

### DEFINITIONS

ug/l	parts per billion or micrograms per liter
mg/l	parts per million or milligrams per liter

Turbidity and TOC 2022

Lake Halbert														
Navarro Mills						Lake Halbert								
Month	NTU			TOC			Month	NTU			TOC			
	Average	Highest	% Compliance	Raw TOC	Tap TOC	% Removal		% Compliance	Average	Highest	% Compliance	Raw TOC	Tap TOC	% Removal
Jan	0.03	0.14	100	3.78	2.89	23.5	207	0.04	0.14	100	5.17	3.75	27.5	100
Feb	0.04	0.16	100	3.95	2.95	25.3	101	0.03	0.11	100	5.70	4.03	29.3	100
Mar	0.05	0.15	100	4.39	3.36	23.5	207	0.03	0.17	100	3.78	2.82	25.4	102
Apr	0.05	0.13	100	4.12	3.30	19.9	100	0.02	0.14	100	3.92	2.69	31.4	209
May	0.04	0.11	100	3.99	3.43	14.0	100	0.03	0.12	100	3.53	2.58	26.9	179
Jun	0.03	0.10	100	4.14	3.17	23.4	100	0.03	0.12	100	3.78	2.37	37.3	149
Jul	0.04	0.12	100	4.23	3.34	21.0	100	0.03	0.14	100	4.17	2.76	33.8	100
Aug	0.03	0.10	100	5.02	3.90	22.3	100	0.03	0.08	100	5.26	3.38	35.7	102
Sep	0.04	0.11	100	4.71	3.63	22.9	100	0.03	0.08	100	4.74	3.12	34.2	100
Oct	0.07	0.14	100	4.77	3.66	23.3	100	0.06	0.09	100	4.50	3.16	29.8	100
Nov	0.08	0.14	100	5.3	4.36	17.7	100	0.05	0.12	100	4.97	3.26	34.4	196
Dec	0.08	0.14	100	5.29	3.55	32.9	100	0.05	0.13	100	4.26	3.06	28.2	160
Average	0.05			4.47	3.46	22.5	117.9	0.04			4.48	3.08	31.2	133.1
Average Both Plants						NTU	0.04	TOC % compliance is based on compliance with the TCEQ rules on TOC removal. Plants must meet or exceed 100% compliance based on a running quarterly average.						



### TTHM's 2022

Date of Samples	3/10/2022	4/14/2022	8/23/2022	11/15/2022	
Address of Sample	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Average of Quarters
4501 E HWY 31	32.2	36.5	62.1	43.9	43.7
2117 W 15th Ave	40.2	46.1	60.0	49.5	49.0
3500 Northpark	41.6	45.1	63.3	49.7	49.9
700 E 16th Ave	37.2	41.7	58.4	48.8	46.5
<b>Average for each quarter</b>	37.8	42.4	61.0	48.0	47.3

### Haa5's 2022

Date of Samples	3/10/2022	4/14/2022	8/23/2022	11/15/2022	
Address of Sample	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Average of Quarters
4501 E HWY 31	14.6	16.7	22.5	10.9	16.2
2117 W 15th Ave	16.0	15.0	18.9	13.4	15.8
3500 Northpark	15.7	14.9	18.4	14.8	16.0
700 E 16th Ave	14.8	11.2	18.5	11.3	14.0
<b>Average for each quarter</b>	15.3	14.5	19.6	12.6	15.5



## Analytical Results

<b>Client ID:</b> TX1750013	<b>Date Collected:</b> 05/03/2022 11:53	<b>Matrix:</b> Drinking Water
<b>Lab ID:</b> Q2213457001	<b>Date Received:</b> 05/05/2022 09:30	<b>Sample Type:</b> SAMPLE
<b>Sample ID:</b> 2245246	<b>Location:</b> UNION HIGH 3: 11609 FM 709, DAWSON	
<b>Project ID:</b> DRINKING WATER PROGRAM	<b>Facility:</b> DS01	
	<b>Sample Point:</b> DBP2-02	

### HALOACETIC ACIDS (552.2 Haloacetic Acids by GC)

Parameter	Results	Units	MRL	LOD	MCL	DF	Prepared	By	Analyzed	By	Qualifier
Bromochloroacetic Acid	10.5	ug/L	1.00	0.500		1	05/10/2022 15:50	AJM	05/10/2022 23:23	MF	N
Dibromoacetic Acid	4.10	ug/L	1.00	0.500		1	05/10/2022 15:50	AJM	05/10/2022 23:23	MF	N
Dichloroacetic Acid	17.8	ug/L	1.00	0.500		1	05/10/2022 15:50	AJM	05/10/2022 23:23	MF	N
Monobromoacetic Acid	1.00	ug/L	1.00	0.500		1	05/10/2022 15:50	AJM	05/10/2022 23:23	MF	N
Monochloroacetic Acid	1.70	ug/L	1.00	0.500		1	05/10/2022 15:50	AJM	05/10/2022 23:23	MF	N
Total Regulated HAA	33.6	ug/L	1.00	0.500	60		05/10/2022 15:50	AJM	05/10/2022 23:23	MF	
Trichloroacetic acid	9.00	ug/L	1.00	0.500		1	05/10/2022 15:50	AJM	05/10/2022 23:23	MF	N

### Surrogates

Parameter	Units	% Spike Recovery	Control Limits %	Qualifier
2,3-Dibromopropionic acid (S)	%	102.0	70 - 130	



## Analytical Results

<b>Client ID:</b> TX1750013	<b>Date Collected:</b> 05/03/2022 11:30	<b>Matrix:</b> Drinking Water
<b>Lab ID:</b> Q2213457002	<b>Date Received:</b> 05/05/2022 09:30	<b>Sample Type:</b> SAMPLE
<b>Sample ID:</b> 2245836	<b>Location:</b> PUMP HOUSE: 201 FM 2452, CORSICANA	
<b>Project ID:</b> DRINKING WATER PROGRAM	<b>Facility:</b> DS01	
	<b>Sample Point:</b> DBP2-01	

### Volatiles (E524.2 Volatiles by GC/MS)

Parameter	Results	Units	MRL	LOD	MCL	DF	Prepared	By	Analyzed	By	Qualifier
Chloroform	16.5	ug/L	1.00	0.500		1	05/05/2022 22:05	EAO	05/05/2022 22:05	EAO	N
Bromodichloromethane	18.6	ug/L	1.00	0.500		1	05/05/2022 22:05	EAO	05/05/2022 22:05	EAO	N
Dibromochloromethane	13.0	ug/L	1.00	0.500		1	05/05/2022 22:05	EAO	05/05/2022 22:05	EAO	N
Bromoform	2.13	ug/L	1.00	0.500		1	05/05/2022 22:05	EAO	05/05/2022 22:05	EAO	N
Total Trihalomethanes	50.1	ug/L	1.00	0.500	80		05/05/2022 22:05	EAO	05/05/2022 22:05	EAO	

### Surrogates

Parameter	Units	% Spike Recovery	Control Limits %	Qualifier
1,2-Dichlorobenzene-d4 (S)	%	98.1	70 - 130	
4-Bromofluorobenzene (S)	%	94.9	70 - 130	

## Quality Control Results

QC Batch: ORG/10874  
Preparation Method: 552.2 Haloacetic Acids by GC  
Associated Lab IDs: Q2213457001

Analysis Method: 552.2 Haloacetic Acids by GC

### Laboratory Reagent Blank(1747447)

Parameter	Units	Results	MRL	LOD	Qualifier
Monochloroacetic Acid	ug/L	<1.00	1.0	0.5	
Monobromoacetic Acid	ug/L	<1.00	1.0	0.5	
Dichloroacetic Acid	ug/L	<1.00	1.0	0.5	
Trichloroacetic acid	ug/L	<1.00	1.0	0.5	
Bromochloroacetic Acid	ug/L	<1.00	1.0	0.5	
Dibromoacetic Acid	ug/L	<1.00	1.0	0.5	

### Surrogates

Parameter	Units	Spike Recovery%	Control Limits %	Qualifier
2,3-Dibromopropionic acid (S)	%	95.60	70 - 130	

### Laboratory Fortified Blank (1747455); Lab Fortified Blank Duplicate (1747456)

Parameter	Units	Spiked Amount	Spike Result	%Spike Recovery	Control Limits %	Duplicate Result	%Duplicate Recovery	RPD	RPD Limit	Qualifier
Monochloroacetic Acid	ug/L	50.	52.2	104.	70 - 130	51.3	103.0	1.74	30	
Monobromoacetic Acid	ug/L	50.	50.1	100.	70 - 130	49.7	99.4	0.802	30	
Dichloroacetic Acid	ug/L	50.	50.6	101.	70 - 130	51.5	103.0	1.76	30	
Trichloroacetic acid	ug/L	50.	51.7	103.	70 - 130	54.5	109.0	5.27	30	
Bromochloroacetic Acid	ug/L	50.	50.	100.	70 - 130	51.4	103.0	2.76	30	
Dibromoacetic Acid	ug/L	50.	50.1	100.	70 - 130	52.1	104.0	3.91	30	

### Laboratory Fortified Blank (1747452); Lab Fortified Blank Duplicate (1747453)

Parameter	Units	Spiked Amount	Spike Result	%Spike Recovery	Control Limits %	Duplicate Result	%Duplicate Recovery	RPD	RPD Limit	Qualifier
Monochloroacetic Acid	ug/L	50.	52.8	106.	70 - 130	52.2	104.0	1.14	30	
Monobromoacetic Acid	ug/L	50.	50.5	101.	70 - 130	50.1	100.0	0.795	30	
Dichloroacetic Acid	ug/L	50.	51.3	103.	70 - 130	50.6	101.0	1.37	30	
Trichloroacetic acid	ug/L	50.	52.7	105.	70 - 130	51.7	103.0	1.92	30	
Bromochloroacetic Acid	ug/L	50.	50.5	101.	70 - 130	50.0	100.0	0.995	30	
Dibromoacetic Acid	ug/L	50.	50.7	101.	70 - 130	50.1	100.0	1.19	30	

### Laboratory Fortified Matrix (1747454); Original: Q2213449002

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery%	Control Limits %	Qualifier
Monochloroacetic Acid	ug/L	100.	100.	100.	70 - 130	
Monobromoacetic Acid	ug/L	100.	97.8	97.8	70 - 130	
Dichloroacetic Acid	ug/L	100.	101.	92.2	70 - 130	
Trichloroacetic acid	ug/L	100.	93.8	89.9	70 - 130	

## Quality Control Results

QC Batch: ORG/10874  
Preparation Method: 552.2 Haloacetic Acids by GC  
Associated Lab IDs: Q2213457001

Analysis Method: 552.2 Haloacetic Acids by GC

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery%	Control Limits %	Qualifier
Bromochloroacetic Acid	ug/L	100.	99.7	93.4	70 - 130	
Dibromoacetic Acid	ug/L	100.	92.9	90.	70 - 130	

### Surrogates

Parameter	Units	Spike Recovery%	Control Limits %	Qualifier
2,3-Dibromopropionic acid (S)	%	79.80	70 - 130	

### Method Reporting Limit Check (1747450)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery%	Control Limits %	Qualifier
Monochloroacetic Acid	ug/L	1.	1.4	140.	50 - 150	
Monobromoacetic Acid	ug/L	1.	1.2	120.	50 - 150	
Dichloroacetic Acid	ug/L	1.	1.2	120.	50 - 150	
Trichloroacetic acid	ug/L	1.	1.2	120.	50 - 150	
Bromochloroacetic Acid	ug/L	1.	1.1	110.	50 - 150	
Dibromoacetic Acid	ug/L	1.	1.1	110.	50 - 150	

### Surrogates

Parameter	Units	Spike Recovery%	Control Limits %	Qualifier
2,3-Dibromopropionic acid (S)	%	114	50 - 150	

### Laboratory Fortified Matrix (1747457); Original: Q2213425001

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery%	Control Limits %	Qualifier
Monochloroacetic Acid	ug/L	100.	107.	107.	70 - 130	
Monobromoacetic Acid	ug/L	100.	103.	101.	70 - 130	
Dichloroacetic Acid	ug/L	100.	103.	99.7	70 - 130	
Trichloroacetic acid	ug/L	100.	115.	113.	70 - 130	
Bromochloroacetic Acid	ug/L	100.	110.	104.	70 - 130	
Dibromoacetic Acid	ug/L	100.	115.	107.	70 - 130	

### Surrogates

Parameter	Units	Spike Recovery%	Control Limits %	Qualifier
2,3-Dibromopropionic acid (S)	%	114	70 - 130	

## Quality Control Results

QC Batch: OVOL/5746  
Preparation Method: E524.2 Volatiles by GC/MS  
Associated Lab IDs: Q2213457002

Analysis Method: E524.2 Volatiles by GC/MS

### Laboratory Fortified Blank (1746581); Lab Fortified Blank Duplicate (1746582)

Parameter	Units	Spiked Amount	Spike Result	%Spike Recovery	Control Limits %	Duplicate Result	%Duplicate Recovery	RPD	RPD Limit	Qualifier
Chloroform	ug/L	50.	50.1	100.	70 - 130	46.9	93.9	6.6	30	
Bromodichloromethane	ug/L	50.	47.9	95.8	70 - 130	48.1	96.1	0.417	30	
Dibromochloromethane	ug/L	50.	48.9	97.8	70 - 130	50.4	101.0	3.02	30	
Bromoform	ug/L	50.	48.8	97.7	70 - 130	49.7	99.4	1.83	30	

### Laboratory Reagent Blank(1746578)

Parameter	Units	Results	MRL	LOD	Qualifier
Chloroform	ug/L	<1.00	1.0	0.5	
Bromodichloromethane	ug/L	<1.00	1.0	0.5	
Dibromochloromethane	ug/L	<1.00	1.0	0.5	
Bromoform	ug/L	<1.00	1.0	0.5	

### Surrogates

Parameter	Units	Spike Recovery%	Control Limits %	Qualifier
1,2-Dichlorobenzene-d4 (S)	%	101	70 - 130	
4-Bromofluorobenzene (S)	%	102	70 - 130	

### Laboratory Reagent Blank(1746583)

Parameter	Units	Results	MRL	LOD	Qualifier
Chloroform	ug/L	<1.00	1.0	0.5	
Bromodichloromethane	ug/L	<1.00	1.0	0.5	
Dibromochloromethane	ug/L	<1.00	1.0	0.5	
Bromoform	ug/L	<1.00	1.0	0.5	

### Surrogates

Parameter	Units	Spike Recovery%	Control Limits %	Qualifier
1,2-Dichlorobenzene-d4 (S)	%	94.90	70 - 130	
4-Bromofluorobenzene (S)	%	94.30	70 - 130	

### Laboratory Fortified Blank (1746576); Lab Fortified Blank Duplicate (1746577)

Parameter	Units	Spiked Amount	Spike Result	%Spike Recovery	Control Limits %	Duplicate Result	%Duplicate Recovery	RPD	RPD Limit	Qualifier
Chloroform	ug/L	50.	46.	92.	70 - 130	48.4	96.7	5.08	30	
Bromodichloromethane	ug/L	50.	50.6	101.	70 - 130	51.1	102.0	0.983	30	
Dibromochloromethane	ug/L	50.	54.1	108.	70 - 130	53.2	106.0	1.68	30	
Bromoform	ug/L	50.	53.7	107.	70 - 130	53.1	106.0	1.12	30	



## Quality Control Results

QC Batch: OVOL/5746  
 Preparation Method: E524.2 Volatiles by GC/MS  
 Associated Lab IDs: Q2213457002

Analysis Method: E524.2 Volatiles by GC/MS

### Method Reporting Limit Check (1746579)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery%	Control Limits %	Qualifier
Chloroform	ug/L	1.	1.09	109.	50 - 150	
Bromodichloromethane	ug/L	1.	1.23	123.	50 - 150	
Dibromochloromethane	ug/L	1.	1.35	135.	50 - 150	
Bromoform	ug/L	1.	1.45	145.	50 - 150	

### Surrogates

Parameter	Units	Spike Recovery%	Control Limits %	Qualifier
1,2-Dichlorobenzene-d4 (S)	%	98.90	50 - 150	
4-Bromofluorobenzene (S)	%	101	50 - 150	