



**Environmental
Protection
Agency**

CREATING THE TABLE OF DETECTED CONTAMINANTS

Tips for systems with a population less than 500 people



CONSUMER CONFIDENCE REPORTS

- Every year, community water systems must provide a consumer confidence report to their customers
- Ohio EPA provides some information as a courtesy for systems with a population less than 500 people



TABLE OF DETECTED CONTAMINANTS

- To inform your customers about what is in their water
- Must include the most recent data for detected contaminants but not to include any data older than five years - the most recent result(s) might be from a year before the current report year (e.g., triennial monitoring)
- Do not include contaminants that have not been detected

Contaminants (Units)	MCLG or MRDLG	MCL or MRDL	Level Found	Range of Detections	Violation	Year Sampled	Typical Source(s) of Contaminant
Turbidity (NTU)	N/A	TT	4.97	0.2 – 4.97	NO	2023	Soil Runoff
Turbidity (% meeting standard)	N/A	TT	92%	92 - 100%	YES	2023	
Residual Disinfectants							
Total Chlorine (ppm)	MRDLG = 4	MRDL = 4	1.14	0.5 – 2.18	NO	2023	Water additive used to control microbes.
Disinfection Byproducts							
Total Trihalomethane (TTHM) (ppb)	N/A	80	74.3	57 – 112	NO	2023	By-product of drinking water chlorination.
Haloacetic Acids (HAA5) (ppb)	N/A	60	16.3	14.1 – 20	NO	2023	By-product of drinking water chlorination.
Inorganic Chemicals							
Nitrate (ppm)	10	10	4.2	1.4 – 4.2	NO	2023	Runoff from fertilizer use
Volatile Organic Chemicals							
Xylenes (ppm)	10	10	0.2.	N/A	NO	2022	Discharge from petroleum factories; Discharge from chemical factories
Lead and Copper							
Contaminants	Action Level	MCLG	Individual Results over the AL	90% of test levels were less than	Violation	Year Sampled	Typical Source of Contaminants
Lead (ppb)	15	0	16, 20	12 ppb	NO	2023	Corrosion of household plumbing systems.
	2 out of 20 samples were found to have lead levels in excess of the lead action level of 15 pp.						
Copper (ppm)	1.3	1.3	N/A	<0.01	NO	2023	Corrosion of household plumbing systems.
	0 out of 20 samples were found to have lead levels in excess of the copper action level of 1.3 ppm						



WHICH SAMPLES YEARS SHOULD BE INCLUDED IN A CCR FOR 2024

	2019	2020	2021	2022	2023	2024
Chlorine						Yes
Nitrite						
Nitrate						Yes
Organics				Yes		
Inorganics						Yes
VOCs					Yes	
TTHM						Yes
HAA5						Yes
Lead						Yes
Copper						Yes
Gross Alpha		Yes				
Radium-228		Yes				



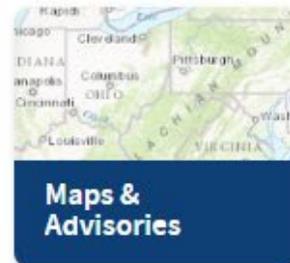
CREATING YOUR TABLE

- Ohio EPA has created a template for the table of detected contaminants - epa.ohio.gov/static/Portals/28/documents/ccr/Generic-template-style-table.xlsx
- Data for systems with a population less than 500 people can be found on the Ohio EPA website via your PWSID (example: OH1234567) - epa.ohio.gov/divisions-and-offices/drinking-and-ground-waters/reports-and-data/consumer-confidence-report-sa

The Table of Detected Contaminants provided by Ohio EPA is not intended to be complete or all inclusive. The tables are intended to assist public water systems with their data collection and consolidation efforts. **Public water systems will need to verify and add additional information to ensure their Table of Detected Contaminants is complete as required by the Consumer Confidence Rule.**



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Drinking Water Viewer

Drinking Water Viewer is a portal



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East Palestine Municipal Drinking Water Results



Lead Lines Mapping

Areas that are known to contain



Consumer Confidence Report | X +

epa.ohio.gov/divisions-and-offices/drinking-and-ground-waters/reports-and-data/consumer-confidence-report-sa

An official State of Ohio site. [Here's how you know](#) v

Language Translation

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Reports & Data

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Welcome

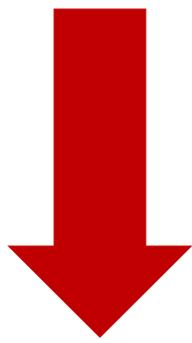
Consumer Confidence Reports

- **All tables must include chlorine.** Please ensure chlorine is in the table and is correct
- Individual Lead results over 15ppb must be added to the table (i.e., If 2 samples are over 15 ppb, at 22 ppb and 28 ppb, you must include both values in the table)
- Surface Water Systems must include turbidity levels, the percentage meeting the standard, and total organic carbon (TOC)
- Purchased water systems must provide entry point data from their suppliers. This information is required to be sent by the parent water supply by April 1st. Purchased water systems must also include their own distribution sampling results in the table (i.e., copper, lead, DBPs, chlorine)
- Water systems that have multiple entry points to their distribution system will need to have data from each entry point listed.
- Occasionally raw water data may appear in the auto-generated Excel file. Raw water data should not be included in your final table.
- If the data for “year sampled” is blank, the year should be entered as the year in which you are writing the CCR report for.
 - water systems that have multiple entry points to their distribution system will need to have data from each entry point listed.
 - Occasionally raw water data may appear in the auto-generated excel file. Raw water data should not be included in your final table.





Scroll down



Reports & Data

- Welcome
- Consumer Confidence Report**

Consumer Confidence Report

Consumer Confidence Reports

The currently posted date is for the 2023 CCR (due July 1, 2024)

Disclaimer for Table of Detected Contaminants

The Table of Detected Contaminants provided by Ohio EPA is not intended to be complete or all inclusive. The tables are intended to assist public water systems with their data collection and consolidation efforts. **Public water systems will need to verify and add additional information to ensure their Table of Detected Contaminants is complete as required by the Consumer Confidence Rule.** For a blank template for a Table of Detected Contaminants and for assistance calculating averages, please see the "Tools and Calculators" tab at <https://epa.ohio.gov/divisions-and-offices/drinking-and-ground-waters/public-water-systems/consumer-confidence-reports>.

- **All tables must include chlorine.** Please ensure chlorine is in the table and is correct
- Individual Lead results over 15ppb must be added to the table (i.e., If 2 samples are over 15 ppb, at 22 ppb and 28 ppb, you must include both values in the table)
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- Water systems that have multiple entry points to their distribution system will need to have data from each entry point listed.
- Occasionally raw water data may appear in the auto-generated excel file. Raw water data should not be included in your final table.



FINDING YOUR DATA

The screenshot shows the EPA Ohio website's Consumer Confidence Report page. At the top, there is a navigation bar with the EPA Ohio logo and several menu items: Stay Compliant, Make a Difference, Monitor Pollution, Get Funding, Find Regulations, and Help. A search bar is located on the right side of the navigation bar. Below the navigation bar, there is a 'Filter by' section with a search input field and a 'FILTER' button. Underneath, there are two search options: 'By PWSID' and 'By PWS Name'. The 'By PWSID' input field is highlighted in yellow. Below the search options, there is an 'EXCEL' button. The main content area displays a table with the following data:

PWSID	PWS Name	Analyte Group	Analyte	Sample Date	Highest Level Detected	90th Percentile	Number of Positive TCR Results	Range of Levels Detected	# of samples over AL	Number of Positive eColi Results	MCLG
OH0200012	BEAVERDAM VILLAGE	Disinfectants and Disinfection By-Products	Chlorine		1.3			1.2 - 1.3			MRDLG = 4
OH0200012	BEAVERDAM VILLAGE	Disinfectants and Disinfection By-Products	Haloacetic Acids (HAA5)		15			12.8 - 16.5			No goal for the total
OH0200012	BEAVERDAM	Disinfectants	Total		61			42.9 - 74.2			No goal

Enter your PWSID or PWS Name in the search box.



epa.ohio.gov/divisions-and-offices/drinking-and-ground-waters/reports-and-data/consumer-confidence-report-sa



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Search

Alternatively, click on the search bar and scroll through the list until you find your PWSID.

Filter by ⓘ

Search for any keyword... **FILTER**

By PWSID

- OH0200012
- OH0200712
- OH0252212
- OH0300312
- OH0300512

By PWS Name

EXCEL

				Highest Level Detected	90th Percentile	Number of Positive TCR Results	Range of Levels Detected	# of samples over AL	Number of Positive eColi Results	MCLG
+	OH0200012	BEAVERDAM VILLAGE	Disinfectants and Disinfection By-Products	Chlorine	1.3		1.2 - 1.3			MRDLG = 4
+	OH0200012	BEAVERDAM VILLAGE	Disinfectants and Disinfection By-Products	Haloacetic Acids (HAA5)	15		12.8 - 16.5			No goal for the total





PWSID	PWS Name	Analyte Group	Analyte	Sample Date	Level Detected	90th Percentile	TCR Results	Levels Detected	samples over AL	eColi Results	MCLG
+ OH0200012	BEAVERDAM VILLAGE	Disinfectants and Disinfection By-Products	Chlorine		1.3			1.2 - 1.3			MRDLG = 4
+ OH0200012	BEAVERDAM VILLAGE	Disinfectants and Disinfection By-Products	Haloacetic Acids (HAA5)		15			12.8 - 16.5			No goal for the total
+ OH0200012	BEAVERDAM VILLAGE	Disinfectants and Disinfection By-Products	Total Trihalomethanes (TTHM)		61			42.9 - 74.2			No goal for the total
+ OH0200012	BEAVERDAM VILLAGE	Inorganic Contaminants	Barium		0.028			.028 - .028			2
+ OH0200012	BEAVERDAM VILLAGE	Inorganic Contaminants	Fluoride		1.51			1.51 - 1.51			4
+ OH0200012	BEAVERDAM VILLAGE	Lead and Copper	Copper			0.23			0		1.3
+ OH0200012	BEAVERDAM VILLAGE	Lead and Copper	Lead			8			0		0
+ OH0200012	BEAVERDAM VILLAGE	Radioactive Contaminants	Gross alpha excluding radon and uranium		3.92			3.92 - 3.92			0

Showing 1 to 8 of 8 entries (filtered from 3,039 total entries)



EXPORTING YOUR DATA

The screenshot shows the EPA Ohio website's Consumer Confidence Report page. At the top, there is a navigation bar with the Ohio Environmental Protection Agency logo and several menu items: Stay Compliant, Make a Difference, Monitor Pollution, Get Funding, Find Regulations, and Help. A search bar is also present. Below the navigation bar, there is a 'Filter by' section with a search input field and a 'FILTER' button. Underneath, there are two tabs: 'By PWSID' and 'By PWS Name'. A yellow 'EXCEL' button is located to the right of the 'By PWS Name' tab. Below these elements is a data table with the following columns: PWSID, PWS Name, Analyte Group, Analyte, Sample Date, Highest Level Detected, 90th Percentile, Number of Positive TCR Results, Range of Levels Detected, # of samples over AL, Number of Positive eColi Results, and MCLG. The table contains three rows of data for PWSID OH0200012 at BEAVERDAM VILLAGE.

PWSID	PWS Name	Analyte Group	Analyte	Sample Date	Highest Level Detected	90th Percentile	Number of Positive TCR Results	Range of Levels Detected	# of samples over AL	Number of Positive eColi Results	MCLG
OH0200012	BEAVERDAM VILLAGE	Disinfectants and Disinfection By-Products	Chlorine		1.3			1.2 - 1.3			MRDLG = 4
OH0200012	BEAVERDAM VILLAGE	Disinfectants and Disinfection By-Products	Haloacetic Acids (HAAs)		15			12.8 - 16.5			No goal for the total
OH0200012	BEAVERDAM	Disinfectants	Total		61			42.9 - 74.2			No goal

Click on the 'Excel' button to download your water quality data as a spreadsheet



EXAMPLE TABLE OF DETECTED CONTAMINANTS

TABLE OF DETECTED CONTAMINANTS							
Contaminants (Units)	MCLG	MCL	Level Found	Range of Detections	Violation	Sample Year	Typical Source of Contaminants
Disinfectant and Disinfectant By-Products							
Total Chlorine (ppm)	MRDLG = 4	MRDL = 4	1.3	1.2 - 1.3	No		Water additive used to control microbes
Halooacetic Acids (HAA5) (ppb)	N/A	60	15	12.6 - 16.5	No		By-product of drinking water disinfection
Total Trihalomethanes (TTHM) (ppb)	N/A	80	61	42.9 - 74.2	No		By-product of drinking water disinfection
Inorganic Contaminants							
Fluoride (ppm)	4	4	1.51	1.51 - 1.51	No		Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Barium (ppm)	2	2	0.028	0.028 - 0.028	No		Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Nitrate (ppm)	10	10	ND	ND	No		Run off from fertilizer use, Leaching from septic tanks, sewage; Erosion of natural deposits
Lead and Copper							
Contaminants (units)	Action Level (AL)	MCLG	Individual Results over the AL	90% of test levels were less than	Violation	Year Sampled	Typical source of Contaminants
Lead (ppb)	15 ppb	0 ppb	0	1.1	No		Corrosion of household plumbing systems; erosion of natural deposits
0 out of 10 samples were found to have lead levels in excess of the lead action level of 15 ppb.							
Copper (ppm)	1.3 ppm	1.3 ppm	0	0.775	No		Erosions of natural deposits; leaching from wood preservatives; Corrosions of household plumbing systems
0 out of 10 samples were found to have copper levels in excess of the copper action level of 1.3 ppm.							
Radiological Contaminants							
Contaminants (Units)	MCLG	MCL	Level Found	Range of Detections	Violation	Sample Year	Typical Source of Contaminants
Gross Alpha (pCi/L)	0	5 (pCi/L)	5.1	N/A	No		Erosion of natural deposits
Radium 226 (pCi/L)	0	5 (pCi/L)	1.9	N/A	No		Erosion of natural deposits
Radium - 226 (pCi/L)	0	5 (pCi/L)	1.1	N/A	No		Erosion of natural deposits
Combined radium (pCi/L)	0	5 (pCi/L)	3	N/A	No		Erosion of natural deposits
Uranium (µg/L)	0	30 (µg/L)	1.3	N/A	No		Erosion of natural deposits
Gross beta (pCi/L)	0	4 (mrem/yr)	2.0 pCi/L	N/A	No		Decay of natural and manmade deposits

- Use values found in the downloaded spreadsheet to complete the template spreadsheet
- Ensure the sample year is up to date
- Contact Compliance Assurance Section staff with specific questions



Resources

- Data for Systems <500 people - epa.ohio.gov/divisions-and-offices/drinking-and-ground-waters/reports-and-data/consumer-confidence-report-sa
- Instruction and Template Guide - https://dam.assets.ohio.gov/image/upload/epa.ohio.gov/Portals/28/documents/ccr/CCR_Instructions_Template.pdf
 - Word - epa.ohio.gov/static/Portals/28/documents/ccr/CCR_Template.docx
 - PDF - https://dam.assets.ohio.gov/image/upload/epa.ohio.gov/Portals/28/documents/ccr/CCR_Template.pdf
 - Spreadsheet - epa.ohio.gov/static/Portals/28/documents/ccr/Generic-template-style-table.xlsx

Have questions?

Contact the Compliance Assurance Section at 614.644.2752 or CCR@epa.ohio.gov

