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# AKRON DRINKING WATER ALL WATER TESTS - 2018

This table is available on-line at <http://www.akronohio.gov/cms/Water/CCR/index.html>.

Tables for other years are available at the same internet address.



<b>INORGANIC CHEMICALS</b>	AKRON WATER	AKRON WATER	AKRON WATER	OHIO EPA	Did Akron water meet EPA limit?
	AVERAGE LEVEL	MINIMUM LEVEL	MAXIMUM LEVEL	MAXIMUM LIMIT	
	MILLIGRAMS PER LITER	MILLIGRAMS PER LITER	MILLIGRAMS PER LITER	MILLIGRAMS PER LITER	
Antimony	<0.001	<0.001	<0.001	0.006	yes
Arsenic	<0.001	<0.001	<0.001	0.01	yes
Barium	0.022	0.022	0.022	2	yes
Beryllium	<0.001	<0.001	<0.001	0.004	yes
Bromide	0.008	0.006	0.010	no EPA limit	not applicable
Cadmium	<0.001	<0.001	<0.001	0.005	yes
Chloride	46	6	104	250 secondary	yes
Chlorine, free residual	2.17	1.13	3.72	0.2 minimum	yes
Chlorine, combined	0.30	0.07	0.6	no EPA limit	not applicable
Chromium	<0.001	<0.001	<0.001	0.1	yes
Copper	<0.010	<0.010	<0.010	no EPA limit, 1.3 Action Level	yes
Cyanide	<0.02	<0.02	<0.02	0.2	yes
Fluoride	0.91	0.77	1.11	4.0 primary 2.0 secondary	yes yes
Manganese	0.02	0.00	0.08	0.05 secondary	not applicable
Mercury	<0.0002	<0.0002	<0.0002	0.002	yes
Nickel	<0.00157	<0.00157	<0.00157	no EPA limit	not applicable
Nitrate	0.15	0.00	0.52	10	yes
Nitrite	<0.019	<0.019	<0.019	1	yes
Selenium	<0.001	<0.001	<0.001	0.05	yes
Sodium	44	44	44	no EPA limit	not applicable
Thallium	<0.001	<0.001	<0.001	0.002	yes

<b>LEAD</b>	AVERAGE LEVEL	MINIMUM LEVEL	MAXIMUM LEVEL	Ohio EPA MAXIMUM LIMIT	Did Akron water meet EPA limit?
	MICROGRAMS PER LITER	MICROGRAMS PER LITER	MICROGRAMS PER LITER	MICROGRAMS PER LITER	
<b>Special Customer Tap Samples</b>					
Lead	1.38	1.38	1.38	no EPA limit, 15 Action Level	not applicable

<b>INORGANIC DISINFECTION BYPRODUCTS (DBPs)</b>	AVERAGE LEVEL	MINIMUM LEVEL	MAXIMUM LEVEL	MAXIMUM LIMIT	Did Akron water meet EPA Limit?
	MILLIGRAMS PER LITER	MILLIGRAMS PER LITER	MILLIGRAMS PER LITER	MILLIGRAMS PER LITER	
Chlorite, at plant tap	0.63	0.25	1.14	no EPA limit	not applicable
Chlorite, average of 3 samples in distribution system	0.45	0.30	0.57	1.0	yes
Chlorate, at plant tap	0.29	0.17	0.40	no EPA limit	not applicable

<b>DISINFECTANT RESIDUALS</b>	AVERAGE LEVEL	MINIMUM LEVEL	MAXIMUM LEVEL	MAXIMUM LIMIT	Did Akron water meet EPA Limit?
	MILLIGRAMS PER LITER	MILLIGRAMS PER LITER	MILLIGRAMS PER LITER	MILLIGRAMS PER LITER	
Free Chlorine, of 2036 routine distribution samples	1.00	0.00	3.29	no EPA limit	not applicable
Free Chlorine, percent less than 0.2 milligrams per liter for each month, distribution samples	0.5%	0.0%	4.9%	5%	yes
Total Chlorine, running annual average calculated quarterly, distribution system	1.13	1.05	1.21	4.0	yes
Chlorine Dioxide, plant tap, lowest of 2 consecutive days	0.07	0.02	0.48	0.8	yes

Chlorine Dioxide, closest customer, highest of 3 readings, 6 hrs apart, after a daily plant tap over 0.8 mg/L	no test required, because no plant tap readings above 0.8 mg/L	no test required, because no plant tap readings above 0.8 mg/L	no test required, because no plant tap readings above 0.8 mg/L	0.8	not applicable
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VOLATILE ORGANIC CHEMICALS (VOCs)	AKRON WATER	AKRON WATER	AKRON WATER	OHIO EPA	Did Akron
	AVERAGE LEVEL MICROGRAMS PER LITER	MINIMUM LEVEL MICROGRAMS PER LITER	MAXIMUM LEVEL MICROGRAMS PER LITER	MAXIMUM LIMIT MICROGRAMS PER LITER	water meet EPA limit?
Benzene	<0.5	<0.5	<0.5	5	yes
Bromobenzene	<0.5	<0.5	<0.5	no EPA limit	not applicable
Bromochloromethane	<0.5	<0.5	<0.5	no EPA limit	not applicable
Bromodichloromethane	11	11	11	no EPA limit	not applicable
Bromoform	<0.5	<0.5	<0.5	no EPA limit	not applicable
Bromomethane	<0.5	<0.5	<0.5	no EPA limit	not applicable
n-Butylbenzene	<0.5	<0.5	<0.5	no EPA limit	not applicable
sec-Butylbenzene	<0.5	<0.5	<0.5	no EPA limit	not applicable
tert-Butylbenzene	<0.5	<0.5	<0.5	no EPA limit	not applicable
Carbon Tetrachloride	<0.5	<0.5	<0.5	5	yes
Chlorobenzene	<0.5	<0.5	<0.5	100	yes
Chloroethane	<0.5	<0.5	<0.5	no EPA limit	not applicable
Chloroform	31.0	31.0	31.0	no EPA limit	not applicable
Chloromethane	<0.5	<0.5	<0.5	no EPA limit	not applicable
o-Chlorotoluene	<0.5	<0.5	<0.5	no EPA limit	not applicable
p-Chlorotoluene	<0.5	<0.5	<0.5	no EPA limit	not applicable
Dibromochloromethane	1.9	1.9	1.9	no EPA limit	not applicable
Dibromomethane	<0.5	<0.5	<0.5	no EPA limit	not applicable
o-Dichlorobenzene	<0.5	<0.5	<0.5	600.0	yes
m-Dichlorobenzene	<0.5	<0.5	<0.5	no EPA limit	not applicable
p-Dichlorobenzene	<0.5	<0.5	<0.5	75.0	yes
Dichlorodifluoromethane	<0.5	<0.5	<0.5	no EPA limit	not applicable
1,1-Dichloroethane	<0.5	<0.5	<0.5	no EPA limit	not applicable
1,2-Dichloroethane	<0.5	<0.5	<0.5	5	yes
1,1-Dichloroethylene	<0.5	<0.5	<0.5	7	yes
cis-1,2-Dichloroethylene	<0.5	<0.5	<0.5	70.0	yes
trans-1,2-Dichloroethylene	<0.5	<0.5	<0.5	100.0	yes
Dichloromethane	<0.5	<0.5	<0.5	5	yes
1,2-Dichloropropane	<0.5	<0.5	<0.5	5	yes
1,3-Dichloropropane	<0.5	<0.5	<0.5	no EPA limit	not applicable
2,2-Dichloropropane	<0.5	<0.5	<0.5	no EPA limit	not applicable
1,1-Dichloropropene	<0.5	<0.5	<0.5	no EPA limit	not applicable
cis-1,3-Dichloropropene	<0.5	<0.5	<0.5	no EPA limit	not applicable
trans-1,3-Dichloropropene	<0.5	<0.5	<0.5	no EPA limit	not applicable
Ethylbenzene	<0.5	<0.5	<0.5	700	yes
Hexachlorobutadiene	<0.5	<0.5	<0.5	no EPA limit	not applicable
Isopropylbenzene	<0.5	<0.5	<0.5	no EPA limit	not applicable
p-Isopropyltoluene	<0.5	<0.5	<0.5	no EPA limit	not applicable
Methyl tert-butyl ether	<0.5	<0.5	<0.5	no EPA limit	not applicable
Napthalene	<0.5	<0.5	<0.5	no EPA limit	not applicable
n-Propylbenzene	<0.5	<0.5	<0.5	no EPA limit	not applicable
Styrene	<0.5	<0.5	<0.5	100	yes
1,1,1,2-Tetrachloroethane	<0.5	<0.5	<0.5	no EPA limit	not applicable
1,1,2,2-Tetrachloroethane	<0.5	<0.5	<0.5	no EPA limit	not applicable
Tetrachloroethylene	<0.5	<0.5	<0.5	5	yes
Toluene	<0.5	<0.5	<0.5	1,000	yes
1,1,1-Trichloroethane	<0.5	<0.5	<0.5	200	yes
1,2,3-Trichlorobenzene	<0.5	<0.5	<0.5	no EPA limit	not applicable
1,2,4-Trichlorobenzene	<0.5	<0.5	<0.5	70	yes
1,1,2-Trichloroethane	<0.5	<0.5	<0.5	5	yes
Trichloroethylene	<0.5	<0.5	<0.5	5	yes
Trichlorofluoromethane	<0.5	<0.5	<0.5	no EPA limit	not applicable
1,2,3-Trichloropropane	<0.5	<0.5	<0.5	no EPA limit	not applicable
1,2,4-Trimethylbenzene	<0.5	<0.5	<0.5	no EPA limit	not applicable
1,3,5-Trimethylbenzene	<0.5	<0.5	<0.5	no EPA limit	not applicable
Vinyl Chloride	<0.5	<0.5	<0.5	2	yes
Xylene, meta and para	<0.30	<0.30	<0.30	no EPA limit	not applicable
o-Xylene	<0.15	<0.15	<0.15	no EPA limit	not applicable
Xylenes (total)	<0.5	<0.5	<0.5	10	yes

<b>DISINFECTION BYPRODUCTS MONITORING IN THE DISTRIBUTION SYSTEM</b>	AKRON WATER	AKRON WATER	AKRON WATER	OHIO EPA	Did Akron water meet EPA limit?
	AVERAGE LEVEL	MINIMUM LEVEL	MAXIMUM LEVEL	MAXIMUM LIMIT	
	MICROGRAMS PER LITER	MICROGRAMS PER LITER	MICROGRAMS PER LITER	MICROGRAMS PER LITER	
Trihalomethanes, total, locational running annual average	60.4	44.2	77.9	80	yes
Haloacetic acids, HAA5, locational running annual average	24.0	18.3	34.9	60	yes

<b>MICROBIOLOGY TOTAL COLIFORM DISTRIBUTION SYSTEM</b>	AVERAGE LEVEL	MINIMUM LEVEL	MAXIMUM LEVEL	OHIO EPA	Did Akron water meet EPA limit?
				MAXIMUM LIMIT	
Repeat coliform positives per month	0	0	0	1	yes

<b>TURBIDITY</b>	AVERAGE LEVEL	MINIMUM LEVEL	MAXIMUM LEVEL	OHIO EPA	Did Akron water meet EPA limit?
	TURBIDITY UNITS	TURBIDITY UNITS	TURBIDITY UNITS	MAXIMUM LIMIT	
				TURBIDITY UNITS	
Turbidity, combined filter effluent	0.059	0.038	0.100	1	yes
Turbidity, % of continuous tests greater than 0.3 Turbidity Units for each month	0.0%	0.0%	0.0%	5%	yes

<b>PESTICIDES, INTERMEDIATES, SYNTHETIC ORGANIC CHEMICALS (SOCs)</b>	AVERAGE LEVEL	MINIMUM LEVEL	MAXIMUM LEVEL	OHIO EPA	Did Akron water meet EPA limit?
	MICROGRAMS PER LITER	MICROGRAMS PER LITER	MICROGRAMS PER LITER	MAXIMUM LIMIT	
				MICROGRAMS PER LITER	
Alachlor*	<0.2	<0.2	<0.2	2	yes
Atrazine*	<0.3	<0.3	<0.3	3	yes
Simazine*	<0.4	<0.4	<0.4	4	yes

\*Sampled 13 days after monitoring period because of outside lab error

<b>ALGAE TOXINS</b>	AVERAGE LEVEL	MINIMUM LEVEL	MAXIMUM LEVEL	OHIO EPA	Did Akron water meet EPA limit?
	MICROGRAMS PER LITER	MICROGRAMS PER LITER	MICROGRAMS PER LITER	MAXIMUM LIMIT	
				MICROGRAMS PER LITER	
Microcystin	<0.30	<0.30	<0.30	0.3	yes

<b>OTHER PARAMETERS</b>	AVERAGE LEVEL	MINIMUM LEVEL	MAXIMUM LEVEL	OHIO EPA	Did Akron water meet EPA limit?
	MILLIGRAMS PER LITER	MILLIGRAMS PER LITER	MILLIGRAMS PER LITER	GUIDELINE	
				LEVEL	
Alkalinity	79	40	105	no EPA limit	not applicable
Hardness in milligrams per liter	107	50	142	no EPA limit	not applicable
Hardness in grains per gallon	6	3	8	no EPA limit	not applicable
pH	7.3	7.0	7.7	7.0-10.5, with no more than 9 excursion days per 6-month period	yes
Orthophosphate	0.93	0.72	1.09	0.6 mg/L or more as PO <sub>4</sub> , with no more than 9 excursion days per 6-month period	yes
Total Phosphorus	0.3	0.3	0.4	no EPA limit	not applicable
Sodium	44	44	44	no EPA limit	not applicable
Total Solids	267	267	267	500 secondary limit	yes
Sulfate	55	33	70	250 secondary	yes
Temperature, degrees C	13.7	2.0	27.5	no EPA limit	not applicable
Temperature, degrees F	57	36	82	no EPA limit	not applicable
Total Organic Carbon	2.60	1.99	3.09	no EPA limit	not applicable

#### DEFINITIONS:

"Plant tap" is the sampling point at the water treatment plant after the last treatment process. All samples are taken at the plant tap unless otherwise indicated.

A "primary EPA limit" is an enforceable regulation for contaminants to protect the public health.

A "secondary EPA limit" is a non-enforceable guideline regulating contaminants that may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water.

EPA recommends secondary standards to water systems but does not require systems to comply.

< is a symbol meaning "less than" the detection limit of the lab instrument, or so low it is below the detection limit.