



AKRON DRINKING WATER ALL WATER TESTS - 2021



DANIEL HARRIGAN, MAYOR This table is available on-line at https://www.akronohio.gov/cms/Water/Consumer_Reports/index.html.

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

INORGANIC CHEMICALS	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	
Aluminum	<0.010	<0.010	<0.010	0.05-0.2 secondary	yes
Antimony	<0.001	<0.001	<0.001	0.006	yes
Arsenic	<0.001	<0.001	<0.001	0.01	yes
Barium	0.031	0.031	0.031	2	yes
Beryllium	<0.001	<0.001	<0.001	0.004	yes
Bromide	<0.014	<0.014	<0.014	no EPA limit	not applicable
Cadmium	<0.001	<0.001	<0.001	0.005	yes
Calcium	39	39	39	no EPA limit	not applicable
Chloride	51	30	72	250 secondary	yes
Chlorine, free residual	2.11	1.01	3.96	0.2 minimum	yes
Chlorine, combined	0.25	0.02	0.58	no EPA limit	not applicable
Chromium	0.00156	0.00156	0.00156	0.1	yes
Cyanide	<0.01	<0.01	<0.01	0.2	yes
Fluoride	1.01	0.73	1.27	4.0 primary 2.0 secondary	yes yes
Iron	<0.010	<0.010	<0.010	0.3 secondary	yes
Magnesium	8.95	8.95	8.95	no EPA limit	not applicable
Manganese	0.011	<0.010	0.019	0.05 secondary	yes
Mercury	<0.00020	<0.00020	<0.00020	0.002	yes
Nickel	0.00102	0.00102	0.00102	no EPA limit	not applicable
Nitrate	0.15	0.04	0.38	10	yes
Nitrite	<0.072	<0.072	<0.072	1	yes
Selenium	<0.001	<0.001	<0.001	0.05	yes
Sodium	122	122	122	no EPA limit	not applicable
Thallium	<0.001	<0.001	<0.001	0.002	yes

LEAD & COPPER ROUTINE COMPLIANCE MONITORING	90TH PERCENTILE AT CUSTOMER'S TAPS		OHIO EPA	Did Akron water meet EPA limit?
	MICROGRAMS PER LITER		MAXIMUM LIMIT MICROGRAMS PER LITER	
Copper	173		1300	yes
Lead	4.08		15	yes

INORGANIC DISINFECTION BYPRODUCTS (DBPs)	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	0.44	0.21	0.80	no EPA limit	not applicable
Chlorite, average of 3 samples in distribution system	0.35	0.16	0.63	1.0	yes
Chlorate, at plant tap	0.29	0.17	0.42	no EPA limit	not applicable

DISINFECTANT RESIDUALS	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 1953 routine distribution samples	0.96	0.13	2.85	no EPA limit	not applicable
Free Chlorine, percent less than 0.2 milligrams per liter for each month, distribution samples	0.1%	0.0%	0.7%	5%	yes
Total Chlorine, running annual average calculated quarterly, distribution system	1.14	1.12	1.16	4.0	yes
Chlorine Dioxide, plant tap, lowest of 2 consecutive days	0.02	0.02	0.07	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 water meet EPA limit?
	AVERAGE LEVEL	MINIMUM LEVEL	MAXIMUM LEVEL	MAXIMUM LIMIT	
	MICROGRAMS PER LITER	MICROGRAMS PER LITER	MICROGRAMS PER LITER	MICROGRAMS PER LITER	
Benzene	<0.5	<0.5	<0.5	5	yes
Bromodichloromethane	9.56	9.56	9.56	no EPA limit	not applicable
Bromoform	<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
Chloroform	25.0	25.0	25.0	no EPA limit	not applicable
Dibromochloromethane	3.07	3.07	3.07	no EPA limit	not applicable
o-Dichlorobenzene	<0.5	<0.5	<0.5	600.0	yes
p-Dichlorobenzene	<0.5	<0.5	<0.5	75.0	yes
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
Ethylbenzene	<0.5	<0.5	<0.5	700	yes
Styrene	<0.5	<0.5	<0.5	100	yes
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
1,2,4-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
Vinyl Chloride	<0.5	<0.5	<0.5	2	yes
Xylenes (total)	<0.5	<0.5	<0.5	10	yes

DISINFECTION BYPRODUCTS MONITORING IN THE DISTRIBUTION SYSTEM	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	52.7	43.7	62.9	80	yes
Haloacetic acids, HAA5, locational running annual average	25.0	14.2	39.5	60	yes

MICROBIOLOGY - FECAL COLIFORM POSITIVE SAMPLES IN THE DISTRIBUTION SYSTEM	AVERAGE LEVEL	MINIMUM LEVEL	MAXIMUM LEVEL	OHIO EPA	Did Akron water meet EPA limit?
				MAXIMUM LIMIT	
Number of fecal coliform positives samples per month	0	0	0	0	yes

TURBIDITY	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	0.043	0.025	0.091	1	yes
Turbidity, % of continuous tests greater than 0.3 Turbidity Units for each month	0.0%	0.0%	0.0%	5%	yes

PESTICIDES, INTERMEDIATES, SYNTHETIC ORGANIC CHEMICALS (SOCs)	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	<0.35	<0.35	<0.35	4	yes

OTHER PARAMETERS	AVERAGE LEVEL	MINIMUM LEVEL	MAXIMUM LEVEL	OHIO EPA	Did Akron
	MILLIGRAMS PER LITER	MILLIGRAMS PER LITER	MILLIGRAMS PER LITER	GUIDELINE LEVEL	water meet EPA limit?
Alkalinity	84	49	109	no EPA limit	not applicable
Hardness in milligrams per liter	107	70	152	no EPA limit	not applicable
Hardness in grains per gallon	6	4	9	no EPA limit	not applicable
pH, standard units	7.4	7.1	7.7	7.0-10.5, with no more than 9 excursion days per 6-month period	yes
Orthophosphate	1.19	0.84	1.38	0.6 mg/L or more as PO ₄ , with no more than 9 excursion days per 6-month period	yes
Total Phosphorus	0.4	0.4	0.5	no EPA limit	not applicable
Sulfate	44	35	53	250 secondary	yes
Temperature, degrees C	13.9	2.1	25.8	no EPA limit	not applicable
Temperature, degrees F	57	36	78	no EPA limit	not applicable
Total Organic Carbon	2.84	1.98	3.82	no EPA limit	not applicable
Total Solids	267	252	281	500 secondary limit	yes

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.