



DANIEL HARRIGAN, MAYOR

AKRON DRINKING WATER ALL WATER TESTS - 2017

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

Charts for other years are available at the same internet address by changing the year



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	
Antimony	<0.004	<0.004	<0.004	0.006	yes
Arsenic	<0.003	<0.003	<0.003	0.01	yes
Barium	0.033	0.033	0.033	2	yes
Beryllium	<0.001	<0.001	<0.001	0.004	yes
Bromide	0.013	0.006	0.023	no EPA limit	not applicable
Cadmium	<0.001	<0.001	<0.001	0.005	yes
Chloride	52	35	78	250 secondary	yes
Chlorine, free residual	1.98	1.11	3.4	0.2 minimum	yes
Chlorine, combined	0.28	0.05	0.73	no EPA limit	not applicable
Chromium	<0.004	<0.004	<0.004	0.1	yes
Copper	0.02	<0.010	0.123	no EPA limit, 1.3 Action Level	yes
Cyanide	<0.005	<0.005	<0.005	0.2	yes
Fluoride	0.92	0.75	1.18	4.0 primary 2.0 secondary	yes yes
Manganese	0.02	0.00	0.05	0.05 secondary	not applicable
Mercury	<0.0002	<0.0002	<0.0002	0.002	yes
Nickel	<0.004	<0.004	<0.004	no EPA limit	not applicable
Nitrate	0.16	0.02	0.46	10	yes
Nitrite	<0.01	<0.01	<0.01	1	yes
Selenium	<0.004	<0.004	<0.004	0.05	yes
Sodium	41	41	41	no EPA limit	not applicable
Thallium	<0.0010	<0.0010	<0.0010	0.002	yes

LEAD	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	
Special Samples					
Lead	1.12	<1	4.4	no EPA limit, 15 Action Level	not applicable

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	0.50	0.19	0.95	no EPA limit	not applicable
Chlorite, average of 3 samples in distribution system	0.39	0.10	0.70	1.0	yes
Chlorate, at plant tap	0.41	0.19	0.73	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 2046 routine distribution samples	0.81	0.01	2.63	no EPA limit	not applicable
Free Chlorine, percent less than 0.2 milligrams per liter for each month, distribution samples	0.7%	0.0%	2.6%	5%	yes

Total Chlorine, running annual average calculated quarterly, distribution system	0.97	0.94	0.99	4.0	yes
Chlorine Dioxide, plant tap, lowest of 2 consecutive days	0.06	0.02	0.20	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

VOLATILE ORGANIC CHEMICALS (VOCs)	AKRON WATER	AKRON WATER	AKRON WATER	OHIO EPA	Did Akron
	AVERAGE LEVEL	MINIMUM LEVEL	MAXIMUM LEVEL	MAXIMUM LIMIT	water meet
	MICROGRAMS PER LITER	MICROGRAMS PER LITER	MICROGRAMS PER LITER	MICROGRAMS PER LITER	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	6.6	6.6	6.6	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	14.1	14.1	14.1	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	1.2	1.2	1.2	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

DISINFECTION BYPRODUCTS MONITORING IN THE DISTRIBUTION SYSTEM	AKRON WATER	AKRON WATER	AKRON WATER	OHIO EPA	Did Akron water meet EPA limit?
	AVERAGE LEVEL MICROGRAMS PER LITER	MINIMUM LEVEL MICROGRAMS PER LITER	MAXIMUM LEVEL MICROGRAMS PER LITER	MAXIMUM LIMIT MICROGRAMS PER LITER	
Trihalomethanes, total, locational running annual average	54.5	43.5	67.7	80	yes
Haloacetic acids, HAA5, locational running annual average	29.9	21.1	37.7	60	yes

MICROBIOLOGY TOTAL COLIFORM DISTRIBUTION SYSTEM	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	
Coliform positives, percent per month (Jan to Mar only)	0.0%	0.0%	0.0%	5%	yes
Repeat coliform positives 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	0.056	0.021	0.106	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

ALGAE TOXINS	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
Saxitoxin	<0.30	<0.30	<0.30	0.3	yes

OTHER PARAMETERS	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	77	38	105	no EPA limit	not applicable
Hardness in milligrams per liter	109	58	146	no EPA limit	not applicable
Hardness in grains per gallon	6	3	9	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	1.00	0.61	1.32	0.6 mg/L or more as PO ₄ , 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
Total Solids	208	208	208	500 secondary limit	yes
Sulfate	50	42	62	250 secondary	yes
Temperature, degrees C	14.1	2.1	26.0	no EPA limit	not applicable
Temperature, degrees F	57	36	79	no EPA limit	not applicable
Total Organic Carbon	2.72	2.10	3.39	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.