

AKRON DRINKING WATER ALL WATER TESTS - 2011

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	0.023	0.023	0.023	2	yes
Beryllium	<0.001	<0.001	<0.001	0.004	yes
Bromide	0.013	0.009	0.026	no EPA limit	not applicable
Cadmium	<0.001	<0.001	<0.001	0.005	yes
Chloride	45.8	24.5	135	250 secondary	yes
Chlorine, free residual	2.66	1.45	4.01	0.2 minimum	yes
Chlorine, combined	0.28	0.08	0.66	no EPA limit	not applicable
Chromium	<0.004	<0.004	<0.004	0.1	yes
Cyanide	<0.005	<0.005	<0.005	0.2	yes
Fluoride	0.94	0.79	1.17	4.0 primary 2.0 secondary	yes yes
Manganese	0.023	0.009	0.079	0.05 secondary	not applicable
Mercury	<0.0002	<0.0002	<0.0002	0.002	yes
Nickel	<0.004	<0.004	<0.004	0.1	yes
Nitrate	0.23	0.02	0.72	10	yes
Nitrite	<0.026	<0.010	<0.026	1	yes
Selenium	<0.004	<0.004	<0.004	0.05	yes
Thallium	<0.001	<0.001	<0.001	0.002	yes

INORGANIC DISINFECTION BYPRODUCTS (DBPs)	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	
Chlorite, at plant tap	0.71	0.00	1.17	no EPA limit	not applicable
Chlorite, average of 3 samples in distribution system	0.47	0.31	0.66	1.0	yes
Chlorate, at plant tap	0.36	0.14	0.99	no EPA limit	not applicable

DISINFECTANT RESIDUALS	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	
Free Chlorine, of 2143 routine distribution samples	1.17	0.02	3.40	no EPA limit	not applicable
Free Chlorine, percent less than 0.2 milligrams per liter for each month, distribution samples	1.4%	0.0%	9.2%	5%	yes*
Total Chlorine, running annual average calculated quarterly, distribution system	1.40	1.38	1.42	4.0	yes
Chlorine Dioxide, plant tap, lowest of 2 consecutive days	0.10	0.01	0.45	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	yes

*The monthly free chlorine percent less than 0.2 mg/L meets the EPA limit because the limit is calculated as the lowest percentage of two consecutive months.

VOLATILE ORGANIC CHEMICALS (VOCs)	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	
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	5.3	5.3	5.3	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	9.7	9.7	9.7	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	1.6	1.6	1.6	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 STAGE 1 MONITORING DISTRIBUTION SYSTEM	AKRON WATER AVERAGE LEVEL MICROGRAMS PER LITER	AKRON WATER MINIMUM LEVEL MICROGRAMS PER LITER	AKRON WATER MAXIMUM LEVEL MICROGRAMS PER LITER	OHIO EPA MAXIMUM LIMIT MICROGRAMS PER LITER	Did Akron water meet EPA limit?
Trihalomethanes, total, running annual average	53.0	51.4	55.3	80	yes
Haloacetic acids, HAA5, running annual average	42.7	35.8	48.3	60	yes

MICROBIOLOGY TOTAL COLIFORM DISTRIBUTION SYSTEM	AKRON WATER AVERAGE LEVEL	AKRON WATER MINIMUM LEVEL	AKRON WATER MAXIMUM LEVEL	OHIO EPA MAXIMUM LIMIT	Did Akron water meet EPA limit?
Coliform positives, percent per month	0.00%	0.00%	0.00%	5%	yes
Repeat coliform positives per month	0	0	0	0	yes

TURBIDITY	AKRON WATER AVERAGE LEVEL TURBIDITY UNITS	AKRON WATER MINIMUM LEVEL TURBIDITY UNITS	AKRON WATER MAXIMUM LEVEL TURBIDITY UNITS	OHIO EPA MAXIMUM LIMIT TURBIDITY UNITS	Did Akron water meet EPA limit?
Turbidity, daily grab sample	0.080	0.043	0.222	1	yes
Turbidity, % of continuous tests greater than 0.3 Turbidity Units for each month	0.00%	0.00%	0.00%	5%	yes

PESTICIDES, INTERMEDIATES, SYNTHETIC ORGANIC CHEMICALS (SOCs)	AKRON WATER AVERAGE LEVEL MICROGRAMS PER LITER	AKRON WATER MINIMUM LEVEL MICROGRAMS PER LITER	AKRON WATER MAXIMUM LEVEL MICROGRAMS PER LITER	OHIO EPA MAXIMUM LIMIT MICROGRAMS PER LITER	Did Akron water meet EPA limit?
Alachlor	<0.20	<0.20	<0.20	2	yes
Atrazine	<0.30	<0.30	<0.30	3	yes
Simazine	<0.35	<0.35	<0.35	4	yes

OTHER PARAMETERS	AKRON WATER AVERAGE LEVEL MILLIGRAMS PER LITER	AKRON WATER MINIMUM LEVEL MILLIGRAMS PER LITER	AKRON WATER MAXIMUM LEVEL MILLIGRAMS PER LITER	OHIO EPA GUIDELINE LEVEL	Did Akron water meet EPA limit?
Alkalinity	74	37	103	no EPA limit	not applicable
Hardness in milligrams per liter	100	56	146	no EPA limit	not applicable
Hardness in grains per gallon	6	3	9	no EPA limit	not applicable
Orthophosphate	0.875	0.588	1.702	0.6 or more for 90% of samples	yes
pH	7.31	6.91	7.67	7.0-10.5 for 90% of samples	yes
Sulfate	31.06	18.74	49.37	250 secondary	yes
Temperature, degrees C	13.2	1.0	27.9	no EPA limit	not applicable
Temperature, degrees F	56	34	82	no EPA limit	not applicable
Total Organic Carbon	2.91	2.02	4.27	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