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AKRON DRINKING WATER ALL WATER TESTS - 2016

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	0.029	0.029	0.029	2	yes
Beryllium	<0.001	<0.001	<0.001	0.004	yes
Bromide	0.014	0.009	0.022	no EPA limit	not applicable
Cadmium	<0.001	<0.001	<0.001	0.005	yes
Chloride	53	33	76	250 secondary	yes
Chlorine, free residual	2.02	1.04	3.74	0.2 minimum	yes
Chlorine, combined	0.27	0.09	0.61	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	0.76	1.19	4.0 primary 2.0 secondary	yes yes
Manganese	0.02	0.01	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	yes
Nitrate	0.14	0.02	0.50	10	yes
Nitrite	0.02	0.01	0.03	1	yes
Selenium	<0.004	<0.004	<0.004	0.05	yes
Thallium	<0.0010	<0.0010	<0.0010	0.002	yes

LEAD Special Samples	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	
Lead	2.67	<1	83.6*	no EPA limit	not applicable

*4 out of the 125 samples were found to have lead levels in excess of 15 micrograms per liter. All four homes were properly retested and confirmed to be less than 15 micrograms per liter.

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	0.64	0.28	1.23	no EPA limit	not applicable
Chlorite, average of 3 samples in distribution system	0.55	0.42	0.69	1.0	yes
Chlorate, at plant tap	0.35	0.23	0.57	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 2083 routine distribution samples	0.81	0.06	2.95	no EPA limit	not applicable
Free Chlorine, percent less than 0.2 milligrams per liter for each month, distribution samples	0.6%	0.0%	2.1%	5%	yes
Total Chlorine, running annual average calculated quarterly, distribution system	0.94	0.90	0.97	4.0	yes
Chlorine Dioxide, plant tap, lowest of 2 consecutive days	0.07	0.01	0.34	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
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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	6.5	6.5	6.5	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	2.2	2.2	2.2	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	MINIMUM LEVEL	MAXIMUM LEVEL	MAXIMUM LIMIT	
	MICROGRAMS PER LITER	MICROGRAMS PER LITER	MICROGRAMS PER LITER	MICROGRAMS PER LITER	
Trihalomethanes, total, locational running annual average	50.3	33.9	69.2	80	yes
Haloacetic acids, HAA5, locational running annual average	31.8	22.1	42.2	60	yes

MICROBIOLOGY TOTAL COLIFORM DISTRIBUTION SYSTEM	AKRON WATER	AKRON WATER	AKRON WATER	OHIO EPA	Did Akron water meet EPA limit?
	AVERAGE LEVEL	MINIMUM LEVEL	MAXIMUM LEVEL	MAXIMUM LIMIT	
Coliform positives, percent per month	0.1%	0.0%	0.6%	5%	yes
Repeat coliform positives per month	0	0	0	0	yes

TURBIDITY	AKRON WATER	AKRON WATER	AKRON WATER	OHIO EPA	Did Akron water meet EPA limit?
	AVERAGE LEVEL	MINIMUM LEVEL	MAXIMUM LEVEL	MAXIMUM LIMIT	
	TURBIDITY UNITS	TURBIDITY UNITS	TURBIDITY UNITS	TURBIDITY UNITS	
Turbidity, combined filter effluent	0.041	0.020	0.09	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)	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	
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	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	
Microcystin	0.102	<0.100	0.148	0.3	yes
Saxitoxin	<0.022	<0.022	<0.022	0.3	yes

OTHER PARAMETERS	AKRON WATER	AKRON WATER	AKRON WATER	OHIO EPA	Did Akron water meet EPA limit?
	AVERAGE LEVEL	MINIMUM LEVEL	MAXIMUM LEVEL	GUIDELINE	
	MILLIGRAMS PER LITER	MILLIGRAMS PER LITER	MILLIGRAMS PER LITER	LEVEL	
Alkalinity	82	51	106	no EPA limit	not applicable
Hardness in milligrams per liter	117	72	152	no EPA limit	not applicable
Hardness in grains per gallon	7	4	9	no EPA limit	not applicable
Orthophosphate	0.93	0.54	1.50	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	0.2	0.4	no EPA limit	not applicable
pH	7.3	7.0	8.0	7.0-10.5, with no more than 9 excursion days per 6-month period	yes
Total Solids	245	245	245	500 secondary limit	yes
Sulfate	53	40	67	250 secondary	yes
Temperature, degrees C	14.6	2.0	27.7	no EPA limit	not applicable
Temperature, degrees F	58	36	82	no EPA limit	not applicable
Total Organic Carbon	2.88	2.34	3.59	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.