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AKRON DRINKING WATER ALL WATER TESTS - 2019

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.



INORGANIC CHEMICALS	AKRON WATER AVERAGE LEVEL MILLIGRAMS PER LITER	AKRON WATER MINIMUM LEVEL MILLIGRAMS PER LITER	AKRON WATER MAXIMUM LEVEL MILLIGRAMS PER LITER	OHIO EPA MAXIMUM LIMIT MILLIGRAMS PER LITER	Did Akron water meet EPA limit?
Antimony	<0.001	<0.001	<0.001	0.006	yes
Arsenic	0.00105	0.00105	0.00105	0.01	yes
Barium	<0.010	<0.010	<0.010	2	yes
Beryllium	<0.001	<0.001	<0.001	0.004	yes
Bromide	0.015	0.013	0.018	no EPA limit	not applicable
Cadmium	<0.001	<0.001	<0.001	0.005	yes
Calcium	31	31	31	no EPA limit	not applicable
Chloride	51	36	72	250 secondary	yes
Chlorine, free residual	1.99	1.05	3.4	0.2 minimum	yes
Chlorine, combined	0.26	0.05	0.69	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	<0.01	<0.01	<0.01	0.2	yes
Fluoride	0.96	0.79	1.15	4.0 primary 2.0 secondary	yes yes
Magnesium	7.17	7.17	7.17	no EPA limit	not applicable
Manganese	0.025	0.000	0.054	0.05 secondary	yes
Mercury	<0.0002	<0.0002	<0.0002	0.002	yes
Nickel	<0.001	<0.001	<0.001	no EPA limit	not applicable
Nitrate	0.25	0.02	0.50	10	yes
Nitrite	0.020	<0.020	0.023	1	yes
Selenium	<0.001	<0.001	<0.001	0.05	yes
Sodium	37	37	37	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 MICROGRAMS PER LITER		OHIO EPA MAXIMUM LIMIT MICROGRAMS PER LITER	Did Akron water meet EPA limit?
Copper	311		1300	yes
Lead	2.45		15	yes

INORGANIC DISINFECTION BYPRODUCTS (DBPs)	AVERAGE LEVEL MILLIGRAMS PER LITER	MINIMUM LEVEL MILLIGRAMS PER LITER	MAXIMUM LEVEL MILLIGRAMS PER LITER	MAXIMUM LIMIT MILLIGRAMS PER LITER	Did Akron water meet EPA Limit?
Chlorite, at plant tap	0.57	0.25	0.90	no EPA limit	not applicable
Chlorite, average of 3 samples in distribution system	0.45	0.25	0.74	1.0	yes
Chlorate, at plant tap	0.35	0.22	0.41	no EPA limit	not applicable

DISINFECTANT RESIDUALS	AVERAGE LEVEL MILLIGRAMS PER LITER	MINIMUM LEVEL MILLIGRAMS PER LITER	MAXIMUM LEVEL MILLIGRAMS PER LITER	MAXIMUM LIMIT MILLIGRAMS PER LITER	Did Akron water meet EPA Limit?
Free Chlorine, of 1946 routine distribution samples	0.98	0.11	3.30	no EPA limit	not applicable
Free Chlorine, percent less than 0.2 milligrams per liter for each month, distribution	0.05%	0.0%	0.6%	5%	yes
Total Chlorine, running annual average calculated quarterly, distribution system	1.16	1.14	1.17	4.0	yes
Chlorine Dioxide, plant tap, lowest of 2 consecutive days	0.03	0.01	0.14	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 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	<0.50	<0.50	<0.50	5	yes
Bromodichloromethane	10.4	10.4	10.4	no EPA limit	not applicable
Bromoform	<0.50	<0.50	<0.50	no EPA limit	not applicable
Carbon Tetrachloride	<0.50	<0.50	<0.50	5	yes
Chlorobenzene	<0.50	<0.50	<0.50	100	yes
Chloroform	28.3	28.3	28.3	no EPA limit	not applicable
Dibromochloromethane	2.49	2.49	2.49	no EPA limit	not applicable
o-Dichlorobenzene	<0.50	<0.50	<0.50	600.0	yes
p-Dichlorobenzene	<0.50	<0.50	<0.50	75.0	yes
1,2-Dichloroethane	<0.50	<0.50	<0.50	5	yes
1,1-Dichloroethylene	<0.50	<0.50	<0.50	7	yes
cis-1,2-Dichloroethylene	<0.50	<0.50	<0.50	70.0	yes
trans-1,2-Dichloroethylene	<0.50	<0.50	<0.50	100.0	yes
Dichloromethane	<0.50	<0.50	<0.50	5	yes
1,2-Dichloropropane	<0.50	<0.50	<0.50	5	yes
Ethylbenzene	<0.50	<0.50	<0.50	700	yes
Styrene	<0.50	<0.50	<0.50	100	yes
Tetrachloroethylene	<0.50	<0.50	<0.50	5	yes
Toluene	<0.50	<0.50	<0.50	1,000	yes
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	200	yes
1,2,4-Trichlorobenzene	<0.50	<0.50	<0.50	70	yes
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	5	yes
Trichloroethylene	<0.50	<0.50	<0.50	5	yes
Vinyl Chloride	<0.50	<0.50	<0.50	2	yes
Xylenes (total)	<0.50	<0.50	<0.50	10	yes

Unregulated Contaminant Monitoring Rule 4

AM1 - metals, pesticides, alcohols, synthetic volatile organic compounds	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	
1-Butanol	2.54	<2.00	3.61	not applicable	not applicable
2-Methoxyethanol	<4.00	<4.00	<4.00	not applicable	not applicable
2-Propen-1-ol	<5.00	<5.00	<5.00	not applicable	not applicable
alpha-Hexachlorocyclohexane	<0.0100	<0.0100	<0.0100	not applicable	not applicable
butylated Hydroxyanisole	<0.0300	<0.0300	<0.0300	not applicable	not applicable
Chlorpyrifos	<0.0300	<0.0300	<0.0300	not applicable	not applicable
Dimethipin	<0.200	<0.200	<0.200	not applicable	not applicable
Ethoprop	<0.0300	<0.0300	<0.0300	not applicable	not applicable
Germanium	<0.300	<0.300	<0.300	not applicable	not applicable
Manganese	14.16	1.01	37.3	not applicable	not applicable
o-Toluidine	<0.00700	<0.00700	<0.00700	not applicable	not applicable
Oxyfluorfen	<0.0500	<0.0500	<0.0500	not applicable	not applicable
Profenofos	<0.300	<0.300	<0.300	not applicable	not applicable
Quinoline	<0.0200	<0.0200	<0.0200	not applicable	not applicable
Tebuconazole	<0.200	<0.200	<0.200	not applicable	not applicable
total Permethrin	<0.0400	<0.0400	<0.0400	not applicable	not applicable
Tribufos	<0.0700	<0.0700	<0.0700	not applicable	not applicable
AM2 - bromide, haloacetic acids, total organic carbon					
Bromide	<200	<200	<200	not applicable	not applicable
HAA5	55.93	17.27	79.97	not applicable	not applicable
HAA6Br	12.17	1.83	16.73	not applicable	not applicable
HAA9	67.74	19.1	92.16	not applicable	not applicable
Total Organic Carbon	5700	5200	6000	not applicable	not applicable
AM3 - cyanotoxins					
total Microcystin	<0.30	<0.30	<0.30	not applicable	not applicable
Cylindrospermopsin	<0.030	<0.030	<0.030	not applicable	not applicable
Anatoxin-a	<0.090	<0.090	<0.090	not applicable	not applicable

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	62.8	46.7	74.9	80	yes
Haloacetic acids, HAA5, locational running annual average	22.4	16.0	34.8	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	0.061	0.028	0.108	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

Tap 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	<0.02	<0.02	<0.02	no EPA limit	not applicable

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	81	52	104	no EPA limit	not applicable
Hardness in milligrams per liter	107	72	146	no EPA limit	not applicable
Hardness in grains per gallon	6	4	9	no EPA limit	not applicable
pH, standard units	7.3	7.1	7.9	7.0-10.5, with no more than 9 excursion days per 6-month period	yes
Orthophosphate	0.93	0.74	1.11	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	223	223	223	500 secondary	yes
Sulfate	50	40	69	250 secondary	yes
Temperature, degrees C	13.7	2.0	25.8	no EPA limit	not applicable
Temperature, degrees F	57	36	78	no EPA limit	not applicable
Total Organic Carbon	2.62	1.99	3.25	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.