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AKRON DRINKING WATER ALL WATER TESTS - 2020

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	
Antimony	<0.001	<0.001	<0.001	0.006	yes
Arsenic	<0.001	<0.001	<0.001	0.01	yes
Barium	<0.010	<0.010	<0.010	2	yes
Beryllium	<0.001	<0.001	<0.001	0.004	yes
Bromide	<0.025	<0.025	<0.025	no EPA limit	not applicable
Cadmium	<0.001	<0.001	<0.001	0.005	yes
Calcium	38	38	38	no EPA limit	not applicable
Chloride	49	34	62	250 secondary	yes
Chlorine, free residual	2.00	0.96	3.34	0.2 minimum	yes
Chlorine, combined	0.23	0.02	0.54	no EPA limit	not applicable
Chromium	<0.001	<0.001	<0.001	0.1	yes
Cyanide	<0.01	<0.01	<0.01	0.2	yes
Fluoride	1.00	0.71	1.21	4.0 primary 2.0 secondary	yes yes
Magnesium	8.48	8.48	8.48	no EPA limit	not applicable
Manganese	0.012	<0.010	0.028	0.05 secondary	yes
Mercury	<0.00020	<0.00020	<0.00020	0.002	yes
Nickel	<0.001	<0.001	<0.001	no EPA limit	not applicable
Nitrate	0.13	0.04	0.39	10	yes
Nitrite	0.023	<0.019	0.029	1	yes
Selenium	<0.001	<0.001	<0.001	0.05	yes
Sodium	201	201	201	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		MICROGRAMS PER LITER	
Copper	193		1300	yes
Lead	1.55		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	0.48	0.01	0.73	no EPA limit	not applicable
Chlorite, average of 3 samples in distribution system	0.40	0.29	0.54	1.0	yes
Chlorate, at plant tap	0.49	0.41	0.61	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 1932 routine distribution samples	0.97	0.12	3.44	no EPA limit	not applicable
Free Chlorine, percent less than 0.2 milligrams per liter for each month, distribution samples	0.1%	0.0%	0.6%	5%	yes
Total Chlorine, running annual average calculated quarterly, distribution system	1.19	1.15	1.22	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

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	6.68	6.68	6.68	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	12.6	12.6	12.6	no EPA limit	not applicable
Dibromochloromethane	0.78	0.78	0.78	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

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	
Manganese - 55	3.71	3.71	3.71	not applicable	not applicable
Germanium	< detection limit	< detection limit	< detection limit	not applicable	not applicable
Chlorpyrifos	< detection limit	< detection limit	< detection limit	not applicable	not applicable
Total permethrin	< detection limit	< detection limit	< detection limit	not applicable	not applicable
Alpha-hexachlorocyclohexane	< detection limit	< detection limit	< detection limit	not applicable	not applicable
Dimethipin	< detection limit	< detection limit	< detection limit	not applicable	not applicable
Oxyfluorfen	< detection limit	< detection limit	< detection limit	not applicable	not applicable
Profenofos	< detection limit	< detection limit	< detection limit	not applicable	not applicable
Tebuconazole	< detection limit	< detection limit	< detection limit	not applicable	not applicable
Tribufos	< detection limit	< detection limit	< detection limit	not applicable	not applicable
Ethoprop	< detection limit	< detection limit	< detection limit	not applicable	not applicable
Butylated hydroxyanisole	< detection limit	< detection limit	< detection limit	not applicable	not applicable
o-Toluidine	< detection limit	< detection limit	< detection limit	not applicable	not applicable
Quinoline	< detection limit	< detection limit	< detection limit	not applicable	not applicable
1-Butanol	< detection limit	< detection limit	< detection limit	not applicable	not applicable
2-Methoxyethanol	< detection limit	< detection limit	< detection limit	not applicable	not applicable
2-Propen-1-ol	< detection limit	< detection limit	< detection limit	not applicable	not applicable

AM2 - bromide, haloacetic acids, total organic carbon

HAA5	27.5	22.5	41.5	not applicable	not applicable
HAA6Br	5.48	4.08	6.97	not applicable	not applicable
HAA9	33.0	26.8	45.9	not applicable	not applicable
Total Organic Carbon	4900	4900	4900	not applicable	not applicable

**DISINFECTION BYPRODUCTS
MONITORING IN THE
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, locational running annual average	60.9	46.9	75.2	80	yes
Haloacetic acids, HAA5, locational running annual average	21.8	15.7	27.9	60	yes

**MICROBIOLOGY - FECAL
COLIFORM POSITIVE SAMPLES
IN THE DISTRIBUTION SYSTEM**

	AVERAGE LEVEL	MINIMUM LEVEL	MAXIMUM LEVEL	OHIO EPA MAXIMUM LIMIT	Did Akron water meet EPA limit?
Number of fecal coliform positives samples per month	0	0	0	0	yes

TURBIDITY

	AVERAGE LEVEL TURBIDITY UNITS	MINIMUM LEVEL TURBIDITY UNITS	MAXIMUM LEVEL TURBIDITY UNITS	OHIO EPA MAXIMUM LIMIT TURBIDITY UNITS	Did Akron water meet EPA limit?
Turbidity, combined filter effluent	0.047	0.028	0.076	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 MICROGRAMS PER LITER	MINIMUM LEVEL MICROGRAMS PER LITER	MAXIMUM LEVEL MICROGRAMS PER LITER	OHIO EPA MAXIMUM LIMIT MICROGRAMS PER LITER	Did Akron water meet EPA limit?
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 MILLIGRAMS PER LITER	MINIMUM LEVEL MILLIGRAMS PER LITER	MAXIMUM LEVEL MILLIGRAMS PER LITER	OHIO EPA GUIDELINE LEVEL	Did Akron water meet EPA limit?
Alkalinity	78	52	100	no EPA limit	not applicable
Hardness in milligrams per liter	106	68	140	no EPA limit	not applicable
Hardness in grains per gallon	6	4	8	no EPA limit	not applicable
pH, standard units	7.3	7.0	7.9	7.0-10.5, with no more than 9 excursion days per 6-month period	yes
Orthophosphate	1.06	0.79	1.54	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	0.3	0.5	no EPA limit	not applicable
Sulfate	46	31	59	250 secondary	yes
Temperature, degrees C	13.7	2.4	27.0	no EPA limit	not applicable
Temperature, degrees F	57	36	81	no EPA limit	not applicable
Total Organic Carbon	2.84	1.38	3.57	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.