

AKRON DRINKING WATER
OHIO EPA REGULATED ANALYSES - 2005

INORGANIC CHEMICALS	AKRON WATER	AKRON WATER	AKRON WATER	OHIO EPA
	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
Arsenic	<0.003	<0.003	<0.003	0.05
Barium	<0.3	<0.3	<0.3	2
Beryllium	<0.001	<0.001	<0.001	0.004
Cadmium	<0.001	<0.001	<0.001	0.005
Chlorine, free residual	1.85	0.67	3	0.2 minimum
Chlorine, combined	0.19	0	1.55	testing is required
Chromium	<0.01	<0.01	<0.01	0.1
Copper	<.01	<.01	<.01	1.3
Cyanide	<0.005	<0.005	<0.005	0.2
Fluoride	0.99	0.82	1.23	4.0 primary 2.0 secondary
Lead	<.002	<.002	<.002	0.05
Manganese	0.033	0.000	0.104	0.05 secondary
Mercury	<0.0005	<0.0005	<0.0005	0.002
Nickel	<0.020	<0.020	<0.020	0.1
Nitrate	0.54	0.18	1.05	10
Selenium	<0.005	<0.005	<0.005	0.05
Thallium	<0.0015	<0.0015	<0.0015	0.002

ORGANIC DISINFECTION BYPRODUCTS (DBPs) DISTRIBUTION SYSTEM	AKRON WATER	AKRON WATER	AKRON WATER	OHIO EPA
	AVERAGE LEVEL	MINIMUM LEVEL	MAXIMUM LEVEL	MAXIMUM LIMIT
	MICROGRAMS PER LITER	MICROGRAMS PER LITER	MICROGRAMS PER LITER	MICROGRAMS PER LITER
Trihalomethanes, total, running annual average	43.0	38.0	43.8	80
Trihalomethanes, quarterly average	43.0	15.6	67.0	none
Haloacetic acids, HAA5, running annual average	27.8	26.6	28.9	60
Haloacetic acids, HAA5, quarterly average	27.8	15.4	41.0	none

INORGANIC DISINFECTION BYPRODUCTS (DBPs)	AKRON WATER	AKRON WATER	AKRON WATER	OHIO EPA
	AVERAGE LEVEL	MINIMUM LEVEL	MAXIMUM LEVEL	MAXIMUM LIMIT
	MILLIGRAMS PER LITER	MILLIGRAMS PER LITER	MILLIGRAMS PER LITER	MILLIGRAMS PER LITER
Chlorite, for two consecutive days at plant tap or in distribution system on the day following a plant tap greater than 1.0	0.63	0.00	1.19, single day at plant tap	1.0
Chlorate	0.29	0.12	0.80	testing is required

DISINFECTANT RESIDUALS	AKRON WATER	AKRON WATER	AKRON WATER	OHIO EPA
	AVERAGE LEVEL	MINIMUM LEVEL	MAXIMUM LEVEL	MAXIMUM LIMIT
	MILLIGRAMS PER LITER	MILLIGRAMS PER LITER	MILLIGRAMS PER LITER	MILLIGRAMS PER LITER
Free Chlorine, distribution samples	1.21	0.10	3.40	testing is required
Free Chlorine, percent less than 0.2 milligrams per liter for each month, distribution samples	0.3%	0.0%	1.9%	5%
Total Chlorine, running annual average calculated quarterly	1.46	1.39	1.51	4.0
Chlorine dioxide, plant tap	0.11	0.00	0.39	0.8

MICROBIOLOGY (TOTAL COLIFORM) DISTRIBUTION SYSTEM	AKRON WATER	AKRON WATER	AKRON WATER	OHIO EPA
	AVERAGE LEVEL	MINIMUM LEVEL	MAXIMUM LEVEL	MAXIMUM LIMIT
Coliform positives, percent per month	0.0%	0.0%	0.0%	5%
Repeat coliform positives	0	0	0	0

TURBIDITY	AKRON WATER	AKRON WATER	AKRON WATER	OHIO EPA
	AVERAGE LEVEL	MINIMUM LEVEL	MAXIMUM LEVEL	MAXIMUM LIMIT
	NEPHELOMETRIC UNITS	NEPHELOMETRIC UNITS	NEPHELOMETRIC UNITS	NEPHELOMETRIC UNITS
Turbidity	0.068	0.037	0.173	1
Turbidity, percent of tests greater than 0.3 Nephelometric Units for each	0.00%	0.00%	0.00%	5%

PESTICIDES, SYNTHETIC ORGANIC CHEMICALS (SOCs)	AKRON WATER	AKRON WATER	AKRON WATER	OHIO EPA
	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
Atrazine	<0.3	<0.3	<0.3	3
Simazine	<0.40	<0.40	<0.40	4

OTHER PARAMETERS	AKRON WATER	AKRON WATER	AKRON WATER	OHIO EPA
	AVERAGE LEVEL	MINIMUM LEVEL	MAXIMUM LEVEL	GUIDELINE
	MILLIGRAMS PER LITER	MILLIGRAMS PER LITER	MILLIGRAMS PER LITER	LEVEL
Alkalinity	76	37	103	Testing is Required
Hardness	115	64	150	Testing is Required
Orthophosphate	1.022	0.551	2.030	0.6 or more for 90% of samples
pH	7.33	6.93	7.95	7.0-10.5 for 90% of samples
Temperature, degrees Celsius	13.3	1.2	27.5	Testing is Required
Total Organic Carbon	2.57	1.96	3.25	Testing is Required

VOLATILE ORGANIC CHEMICALS (VOCs)	AKRON WATER	AKRON WATER	AKRON WATER	OHIO EPA
	AVERAGE LEVEL MICROGRAMS PER LITER	MINIMUM LEVEL MICROGRAMS PER LITER	MAXIMUM LEVEL MICROGRAMS PER LITER	MAXIMUM LIMIT MICROGRAMS PER LITER
Benzene	<0.50	<0.50	<0.50	5
Bromobenzene	<0.50	<0.50	<0.50	none
Bromochloromethane	<0.50	<0.50	<0.50	none
Bromodichloromethane	4.5	4.5	4.5	none
Bromoform	<0.50	<0.50	<0.50	none
Bromomethane	<0.50	<0.50	<0.50	none
n-Butylbenzene	<0.50	<0.50	<0.50	none
sec-Butylbenzene	<0.50	<0.50	<0.50	none
tert-Butylbenzene	<0.50	<0.50	<0.50	none
Carbon Tetrachloride	<0.50	<0.50	<0.50	5
Chlorobenzene	<0.50	<0.50	<0.50	none
Chloroethane	<0.50	<0.50	<0.50	none
Chloroform	5.5	5.5	5.5	none
Chloromethane	<0.50	<0.50	<0.50	none
o-Chlorotoluene	<0.50	<0.50	<0.50	none
p-Chlorotoluene	<0.50	<0.50	<0.50	none
Dibromochloromethane	1.5	1.5	1.5	none
Dibromomethane	<0.50	<0.50	<0.50	5
1,2-Dichlorobenzene	<0.50	<0.50	<0.50	none
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	none
1,4-Dichlorobenzene	<0.50	<0.50	<0.50	none
Dichlorodifluoromethane	<0.50	<0.50	<0.50	none
1,1-Dichloroethane	<0.50	<0.50	<0.50	5
1,2-Dichloroethane	<0.50	<0.50	<0.50	none
1,1-Dichloroethene	<0.50	<0.50	<0.50	none
cis-1,2-Dichloroethene	<0.50	<0.50	<0.50	none
trans-1,2-Dichloroethene	<0.50	<0.50	<0.50	none
Dichloromethane	<0.50	<0.50	<0.50	5
1,2-Dichloropropane	<0.50	<0.50	<0.50	5
1,3-Dichloropropane	<0.50	<0.50	<0.50	none
2,2-Dichloropropane	<0.50	<0.50	<0.50	none
1,1-Dichloropropene	<0.50	<0.50	<0.50	none
1,3-Dichloropropene, Total	<0.50	<0.50	<0.50	none
cis-1,3-Dichloropropene	<0.50	<0.50	<0.50	none
trans-1,3-Dichloropropene	<0.50	<0.50	<0.50	none
Ethylbenzene	<0.50	<0.50	<0.50	700
Hexachlorobutadiene	<0.50	<0.50	<0.50	none
Isopropylbenzene	<0.50	<0.50	<0.50	none
p-Isopropyltoluene	<0.50	<0.50	<0.50	none
Methyl-tert butyl ether (MTBE)	<0.50	<0.50	<0.50	none
Napthalene	<0.50	<0.50	<0.50	none
n-Propylbenzene	<0.50	<0.50	<0.50	none
Styrene	<0.50	<0.50	<0.50	100
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	none
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<0.50	none
1,1,2,2-Tetrachloroethane	<0.50	<0.50	<0.50	none
Tetrachloroethene	<0.50	<0.50	<0.50	none
Toluene	<0.50	<0.50	<0.50	1,000
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.50	none
1,2,4-Trichlorobenzene	<0.50	<0.50	<0.50	70
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	5
Trichloroethene	<0.50	<0.50	<0.50	none
Trichlorofluoromethane	<0.50	<0.50	<0.50	none
1,2,3-Trichloropropane	<0.50	<0.50	<0.50	none
1,2,4-Trimethylbenzene	<0.50	<0.50	<0.50	none
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	none
Vinyl Chloride	<0.50	<0.50	<0.50	2
o-Xylene	<0.50	<0.50	<0.50	none
m&p-Xylene	<1.0	<1.0	<1.0	none
Xylenes (total)	<1.5	<1.5	<1.5	10