

AKRON DRINKING WATER OHIO EPA REGULATED ANALYSES - 2006

INORGANIC CHEMICALS AT PLANT TAP	AKRON WATER	AKRON WATER	AKRON WATER	OHIO EPA	Did Akron water meet EPA primary 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	0.010	yes
Barium	0.0309	0.0309	0.0309	2	yes
Beryllium	<0.0005	<0.0005	<0.0005	0.004	yes
Cadmium	<0.0002	<0.0002	<0.0002	0.005	yes
Chlorine, free residual	2.73	1.59	4.1	0.2 minimum	yes
Chlorine, combined	0.21	0.04	0.56	no EPA limit	not applicable
Chromium	<0.005	<0.005	<0.005	0.1	yes
Copper	0.0113	0.0083	0.0157	1.3	yes
Cyanide	<0.010	<0.010	<0.010	0.2	yes
Fluoride	0.98	0.77	1.27	4.0 primary 2.0 secondary	yes
Lead	see below	see below	see below	0.050	not applicable
Manganese	0.024	0.004	0.085	0.05 secondary	not applicable
Mercury	<0.0002	<0.0002	<0.0002	0.002	yes
Nickel	<0.005	<0.005	<0.005	0.1	yes
Nitrate	0.63	0.50	0.84	10	yes
Selenium	<0.005	<0.005	<0.005	0.05	yes
Thallium	<0.001	<0.001	<0.001	0.002	yes

LEAD & COPPER AT CUSTOMER TAPS	AKRON WATER	AKRON WATER	AKRON WATER	OHIO EPA MAXIMUM 90th PERCENTILE	Did Akron water meet EPA limit?
	90th PERCENTILE LEVEL	MINIMUM LEVEL	MAXIMUM LEVEL	1 TMTT	
	MILLIGRAMS PER LITER	MILLIGRAMS PER LITER	MILLIGRAMS PER LITER	MILLIGRAMS PER LITER	
Lead	<.005	<.005	0.0098	0.015	yes
Copper	0.246	0.0099	0.593	1.300	yes

ORGANIC DISINFECTION BYPRODUCTS (DBPs) 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, running annual average	48.2	43.7	53.6	80	yes
Trihalomethanes, quarterly average	49.9	18.3	98.0	no EPA limit	not applicable
Haloacetic acids, HAA5, running annual average	34.0	28.1	40.9	60	yes
Haloacetic acids, HAA5, quarterly average	40.9	16.3	65.5	no EPA limit	not applicable

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	0.61	0.00	1.40	no EPA limit	not applicable
Chlorite, average of 3 samples in distribution system	0.526	0.128	0.867	1.0	yes
Chlorate	0.35	0.04	0.97	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 2446 distribution samples	1.28	0.00	3.20	no EPA limit	not applicable
Free Chlorine, percent less than 0.2 milligrams per liter for each month, distribution samples	0.4%	0.0%	2.1%	5%	yes
Total Chlorine, running annual average calculated quarterly	1.34	1.32	1.37	4.0	yes
Chlorine Dioxide, at plant tap, daily 1-day reading	0.11	0.02	0.55	no EPA limit	not applicable
Chlorine Dioxide, plant tap, lowest of 2 consecutive days	0.08	0.02	0.31	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

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	0.04%	0.0%	0.5%	5%	yes
Repeat coliform positives	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	
	NEPHELOMETRIC UNITS	NEPHELOMETRIC UNITS	NEPHELOMETRIC UNITS	NEPHELOMETRIC UNITS	
Turbidity	0.068	0.039	0.149	1	yes
Turbidity, percent of tests greater than 0.3 Nephelometric Units for each month	0.00%	0.00%	0.00%	5%	yes

PESTICIDES, 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	0.37	3	yes
Simazine	<0.40	<0.40	<0.40	4	yes

OTHER PARAMETERS	AKRON WATER	AKRON WATER	AKRON WATER	OHIO EPA	Did Akron water meet EPA limit?
	AVERAGE LEVEL	MINIMUM LEVEL	MAXIMUM LEVEL	GUIDELINE LEVEL	
	MILLIGRAMS PER LITER	MILLIGRAMS PER LITER	MILLIGRAMS PER LITER		
Alkalinity	74	51	99	no EPA limit	not applicable
Hardness in milligrams per liter	109	66	152	no EPA limit	not applicable
Hardness in grains per gallon	6.4 grains/gal.	3.9 grains/gal.	8.9 grains/gal.	no EPA limit	not applicable
Orthophosphate	1.044	0.496 (29 of 30, 96.7%, greater than 0.6)	2.070	0.6 or more for 90% of samples	yes
pH	7.32	7.00	8.71	7.0-10.5 for 90% of samples	yes
Temperature, degrees Celsius	13.2	1.6	27.5	no EPA limit	not applicable
Total Organic Carbon	2.76	1.68	4.25	no EPA limit	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
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	9.5	9.5	9.5	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	no EPA limit	not applicable
Chloroethane	<0.5	<0.5	<0.5	no EPA limit	not applicable
Chloroform	24.0	24.0	24.0	no EPA limit	not applicable
Chloromethane	<0.5	<0.5	<0.5	no EPA limit	not applicable
2-Chlorotoluene	<0.5	<0.5	<0.5	no EPA limit	not applicable
4-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	5	yes
1,2-Dichlorobenzene	<0.5	<0.5	<0.5	no EPA limit	not applicable
1,3-Dichlorobenzene	<0.5	<0.5	<0.5	no EPA limit	not applicable
1,4-Dichlorobenzene	<0.5	<0.5	<0.5	no EPA limit	not applicable
Dichlorodifluoromethane	<0.5	<0.5	<0.5	no EPA limit	not applicable
1,1-Dichloroethane	<0.5	<0.5	<0.5	5	yes
1,2-Dichloroethane	<0.5	<0.5	<0.5	no EPA limit	not applicable
1,1-Dichloroethene	<0.5	<0.5	<0.5	no EPA limit	not applicable
cis-1,2-Dichloroethene	<0.5	<0.5	<0.5	no EPA limit	not applicable
trans-1,2-Dichloroethene	<0.5	<0.5	<0.5	no EPA limit	not applicable
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
1,3-Dichloropropene, Total	<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
4-Isopropyltoluene	<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-Trichloroethane	<0.5	<0.5	<0.5	no EPA limit	not applicable
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
Tetrachloroethene	<0.5	<0.5	<0.5	no EPA limit	not applicable
Toluene	<0.5	<0.5	<0.5	1,000	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
Trichloroethene	<0.5	<0.5	<0.5	no EPA limit	not applicable
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
Xylenes (total)	<0.5	<0.5	<0.5	10	yes

DEFINITIONS:

"Plant tap" is the sampling point at the water treatment plant after the last treatment process.

A "primary EPA limit" is the maximum level above which adverse health effects may occur.

A "secondary EPA limit" is the maximum limit above which adverse aesthetic (staining, color, odor, taste), non-health related effects may occur.

< is a symbol meaning "less than" the detection limit of the lab instrument, or so low that it is below the detection limit