AKRON DRINKING WATER
ALL WATER TESTS - 2008

INORGANIC CHEMICALS AT PLANT TAP	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 primary limit?
Antimony	<0.004	<0.004	<0.004	0.006	yes
Arsenic	<0.003	<0.003	<0.003	0.01	yes
Barium	0.044	0.044	0.044	2	yes
Beryllium	<0.001	<0.001	<0.001	0.004	yes
Cadmium	<0.001	<0.001	<0.001	0.005	yes
Chlorine, free residual	2.64	1.65	3.96	0.2 minimum	yes
Chlorine, combined	0.24	0.06	0.54	no EPA limit	not applicable
Chromium	<0.004	<0.004	<0.004	0.1	yes
Copper	<0.010	<0.010	<0.010	1.3	yes
Cyanide	<0.005	<0.005	<0.005	0.2	yes
Fluoride	0.93	0.73	1.11	4.0 primary 2.0 secondary	yes yes
Manganese	0.024	0.009	0.131	0.05 secondary	not applicable
Mercury	<0.0002	<0.0002	<0.0002	0.002	yes
Nickel	<0.004	<0.004	<0.004	0.1	yes
Nitrate	0.55	0.28	1.03	10	yes
Selenium	<0.004	<0.004	<0.004	0.05	yes
Sodium	46.6	46.6	46.6	no EPA limit	not applicable
Thallium	<0.001	<0.001	<0.001	0.002	yes

LEAD & COPPER AT CUSTOMER TAPS	AKRON WATER 90th PERCENTILE LEVEL MICROGRAMS PER LITER	AKRON WATER MINIMUM LEVEL MICROGRAMS PER LITER	AKRON WATER MAXIMUM LEVEL MICROGRAMS PER LITER	OHIO EPA MAXIMUM 90th PERCENTILE MICROGRAMS PER LITER	Did Akron water meet EPA limit?
Lead	Lead testing was not required in 2008. The next triennial round of lead sampling will be in 2009.				not applicable
Copper	Copper testing was not required in 2008. The next triennial round of copper sampling will be in 2009.				not applicable

DISINFECTION BYPRODUCTS STAGE 1 MONITORING 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, running annual average	48.0	43.2	52.6	80	yes
Haloacetic acids, HAA5, running annual average	29.1	24.4	33.4	60	yes

INORGANIC DISINFECTION BYPRODUCTS (DBPs)	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?
Chlorite, at plant tap	0.73	0.00	0.99	no EPA limit	not applicable
Chlorite, average of 3 samples in distribution system	0.460	0.285	0.620	1.0	yes
Chlorate, at plant tap	0.45	0.19	0.90	no EPA limit	not applicable

DISINFECTANT RESIDUALS	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?
Free Chlorine, of 2442 distribution samples	1.15	0.03	3.40	no EPA limit	not applicable
Free Chlorine, percent less than 0.2 milligrams per liter for each month, distribution samples	0.8%	0.0%	3.8%	5%	yes
Total Chlorine, running annual average calculated quarterly	1.42	1.31	1.42	4.0	yes
Chlorine Dioxide, at plant tap, daily 1-day reading	0.10	0.00	0.32	no EPA limit	not applicable
Chlorine Dioxide, plant tap, lowest of 2 consecutive days	0.08	0.00	0.24	0.8	yes
Chlorine Dioxide, closest customer, highest of 3 readings, 6 hrs apart, after a daily plant tap over 1.0 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 AVERAGE LEVEL	AKRON WATER MINIMUM LEVEL	AKRON WATER MAXIMUM LEVEL	OHIO EPA MAXIMUM LIMIT	Did Akron water meet EPA limit?
Coliform positives, percent per month	0.04%	0.00%	0.45%	5%	yes
Repeat coliform positives per month	0	0	0	0	yes

TURBIDITY	AKRON WATER AVERAGE LEVEL TURBIDITY UNITS	AKRON WATER MINIMUM LEVEL TURBIDITY UNITS	AKRON WATER MAXIMUM LEVEL TURBIDITY UNITS	OHIO EPA MAXIMUM LIMIT TURBIDITY UNITS	Did Akron water meet EPA limit?
Turbidity, daily grab sample	0.069	0.043	0.117	1	yes
Turbidity, % of continuous tests greater than 0.3 Turbidity Units for each month	0.00%	0.00%	0.00%	5%	yes

PESTICIDES, SYNTHETIC ORGANIC CHEMICALS (SOCs)	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?
Alachlor	<0.20	<0.20	<0.20	2	yes
Atrazine	<0.30	<0.30	<0.30	3	yes
Simazine	<0.40	<0.40	<0.40	4	yes

OTHER PARAMETERS	AKRON WATER AVERAGE LEVEL MILLIGRAMS PER LITER	AKRON WATER MINIMUM LEVEL MILLIGRAMS PER LITER	AKRON WATER MAXIMUM LEVEL MILLIGRAMS PER LITER	OHIO EPA GUIDELINE LEVEL	Did Akron water meet EPA limit?
Alkalinity	76	35	109	no EPA limit	not applicable
Hardness in milligrams per liter	113	54	152	no EPA limit	not applicable
Hardness in grains per gallon	6.6	3.2	8.9	no EPA limit	not applicable
Orthophosphate	0.943	0.842 (25 of 25, 100%, greater than 0.6)	1.130	0.6 or more for 90% of samples	yes
pH	7.30	6.95	7.82	7.0-10.5 for 90% of samples	yes
Suspended solids in milligrams per liter	283	283	283	500 secondary limit	yes
Temperature, degrees Celsius	12.8	1.3	26.2	no EPA limit	not applicable
Total Organic Carbon	2.70	1.79	3.51	no EPA limit	not applicable

VOLATILE ORGANIC CHEMICALS (VOCs)	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?
Benzene	<0.50	<0.50	<0.50	5	yes
Bromobenzene	<0.50	<0.50	<0.50	no EPA limit	not applicable
Bromochloromethane	<0.50	<0.50	<0.50	no EPA limit	not applicable
Bromodichloromethane	10.9	1.9	23.2	no EPA limit	not applicable
Bromoform	<0.5	<0.5	<0.5	no EPA limit	not applicable
Bromomethane	<0.50	<0.50	<0.50	no EPA limit	not applicable
n-Butylbenzene	<0.50	<0.50	<0.50	no EPA limit	not applicable
sec-Butylbenzene	<0.50	<0.50	<0.50	no EPA limit	not applicable
tert-Butylbenzene	<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	no EPA limit	not applicable
Chloroethane	<0.50	<0.50	<0.50	no EPA limit	not applicable
Chloroform	36.8	3.2	82.8	no EPA limit	not applicable
Chloromethane	<0.50	<0.50	<0.50	no EPA limit	not applicable
2-Chlorotoluene	<0.50	<0.50	<0.50	no EPA limit	not applicable
4-Chlorotoluene	<0.50	<0.50	<0.50	no EPA limit	not applicable
Dibromoacetic acid	1.2	1	9.9	no EPA limit	not applicable
Dibromochloromethane	2.1	0.6	5.0	no EPA limit	not applicable
Dibromomethane	<0.50	<0.50	<0.50	5	yes
Dichloroacetic acid	16.2	1	28	no EPA limit	not applicable
1,2-Dichlorobenzene	<0.50	<0.50	<0.50	no EPA limit	not applicable
1,3-Dichlorobenzene	<0.50	<0.50	<0.50	no EPA limit	not applicable
1,4-Dichlorobenzene	<0.50	<0.50	<0.50	no EPA limit	not applicable
Dichlorodifluoromethane	<0.50	<0.50	<0.50	no EPA limit	not applicable
1,1-Dichloroethane	<0.50	<0.50	<0.50	5	yes
1,2-Dichloroethane	<0.50	<0.50	<0.50	no EPA limit	not applicable
1,1-Dichloroethene	<0.50	<0.50	<0.50	no EPA limit	not applicable
cis-1,2-Dichloroethene	<0.50	<0.50	<0.50	no EPA limit	not applicable
trans-1,2-Dichloroethene	<0.50	<0.50	<0.50	no EPA limit	not applicable
Dichloromethane	<0.50	<0.50	<0.50	5	yes
1,2-Dichloropropane	<0.50	<0.50	<0.50	5	yes
1,3-Dichloropropane	<0.50	<0.50	<0.50	no EPA limit	not applicable
2,2-Dichloropropane	<0.50	<0.50	<0.50	no EPA limit	not applicable
1,1-Dichloropropene	<0.50	<0.50	<0.50	no EPA limit	not applicable
cis-1,3-Dichloropropene	<0.50	<0.50	<0.50	no EPA limit	not applicable
trans-1,3-Dichloropropene	<0.50	<0.50	<0.50	no EPA limit	not applicable
Ethylbenzene	<0.50	<0.50	<0.50	700	yes
Hexachlorobutadiene	<0.50	<0.50	<0.50	no EPA limit	not applicable
Isopropylbenzene	<0.50	<0.50	<0.50	no EPA limit	not applicable
4-Isopropyltoluene	<0.50	<0.50	<0.50	no EPA limit	not applicable
Methyl-t-butyl ether	<0.50	<0.50	<0.50	no EPA limit	not applicable
Monobromoacetic acid	<1.0	<1.0	<1.0	no EPA limit	not applicable
Monochloroacetic acid	2.0	2.0	5.4	no EPA limit	not applicable
Napthalene	<0.50	<0.50	<0.50	no EPA limit	not applicable
n-Propylbenzene	<0.50	<0.50	<0.50	no EPA limit	not applicable
Styrene	<0.50	<0.50	<0.50	100	yes
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<0.50	no EPA limit	not applicable
1,1,2,2-Tetrachloroethane	<0.50	<0.50	<0.50	no EPA limit	not applicable
Tetrachloroethene	<0.50	<0.50	<0.50	no EPA limit	not applicable
Toluene	<0.50	<0.50	<0.50	1,000	yes
Trichloroacetic acid	9.5	4.5	24.2	no EPA limit	not applicable
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	no EPA limit	not applicable
1,2,3-Trichlorobenzene	<0.50	<0.50	<0.50	no EPA limit	not applicable
1,2,4-Trichlorobenzene	<0.50	<0.50	<0.50	70	yes
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	5	yes
Trichloroethene	<0.50	<0.50	<0.50	no EPA limit	not applicable
Trichlorofluoromethane	<0.50	<0.50	<0.50	no EPA limit	not applicable
1,2,3-Trichloropropane	<0.50	<0.50	<0.50	no EPA limit	not applicable
1,2,4-Trimethylbenzene	<0.50	<0.50	<0.50	no EPA limit	not applicable
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	no EPA limit	not applicable
Vinyl Chloride	<0.50	<0.50	<0.50	2	yes
m+p-Xylene + 0-Xylene = Xylene	<1.0, <0.5	<1.0, <0.5	<1.0, <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 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