



MAILING ADDRESS:
P.O. Box 4119
Youngstown, Ohio 44515-0119

SHIPPING ADDRESS:
1181 Ohltown-McDonald Road
Mineral Ridge, Ohio 44440

TELEPHONE: (330) 799-6315 • (330) 652-3614 • FAX (330) 652-6293

STATE OF OHIO
THE MAHONING VALLEY SANITARY DISTRICT

The following analysis is typical of the treated water from our plant

PH	10.69	
Turbidity	0.11	NTU
Alkalinity-Total	43	mg/l as CaCO ₃
Alkalinity-Phenolphthalein	31	mg/l as CaCO ₃
Alkalinity-Hydroxide	19	mg/l as CaCO ₃
Alkalinity-Carbonate	24	mg/l as CaCO ₃
Alkalinity-Calcium Carbonate Stability	11	
Hardness-Total	94	mg/l as CaCO ₃
Hardness-Non carbonate	51	mg/l as CaCO ₃
Chlorine Residual-Total	1.8	mg/l
Chlorine Residual-Free	0.0	mg/l
Solids-Total	254	mg/l
Conductivity	521	umhos/cm
Threshold Odor Number	1.0	
<u>Inorganic Chemicals</u>		
Fluoride	1.00	mg/l F
Chloride	85	mg/l Cl
Sodium	47	mg/l Na
Calcium	28.6	mg/l Ca
Magnesium	5.6	mg/l Mg
Nitrate	0.12	mg/l N
Nitrite	<0.5	mg/l N
Iron	<50	ug/l Fe
Aluminum	326	ug/l Al
Antimony	<3	ug/l Sb
Arsenic	<3	ug/l As
Barium	7.65	ug/l Ba
Bismuth	3.6	mg/l Bi
Beryllium	<0.5	ug/l Be
Boron	95	ug/l Bo
Cadmium	<0.2	ug/l Cd
Chromium	<10	ug/l Cr
Cobalt	<50	ug/l Co
Copper	<10	ug/l Cu
Lead	<2	ug/l Pb
Manganese	<10	ug/l Mn
Mercury	<0.2	ug/l Hg
Molybdenum	<50	ug/l Mo
Nickel	<10	ug/l Ni
Potassium	4	ug/l K
Selenium	<3	ug/l Se
Silica	0.89	mg/l Si
Silver	<10	ug/l Ag
Thallium	<1	ug/l Tl
Titanium	<50	ug/l Ti
Vanadium	<6	ug/l V
Zinc	<10	ug/l Zn
Cyanide	<.005	mg/l CN
Sulfate	52	mg/l SO ₄
Phosphate, Total	<0.1	mg/l P
Asbestos	<0.20	Fibers/l
Total Organic Carbon	3.55	mg/l
Perchlorate	<5.0	ug/l ClO ₄

January 2011

Volatile Organic Chemicals

Benzene	<0.5	ug/l
Bromobenze	<0.5	ug/l
Bromochloromethane	<0.5	ug/l
Bromodichloromethane	1.47	ug/l
Bromoform	<0.5	ug/l
Bromomethane	<0.5	ug/l
n-Butylbenzene	<0.5	ug/l
sec-Butylbenzene	<0.5	ug/l
Carbon tetrachloride	<0.5	ug/l
Chlorobenzene	<0.5	ug/l
Chloroethane	<0.5	ug/l
Chloroform	59	ug/l
Chloromethane	<0.5	ug/l
2-Chlorotoluene	<0.5	ug/l
4-Chlorotoluene	<0.5	ug/l
1,2-Dibromo-3-chloropropane	<0.5	ug/l
Dibromochloromethane	<0.5	ug/l
1,2-Dibromoethane(EDB)	<0.5	ug/l
Dibromomethane	<0.5	ug/l
1,2-Dichlorobenzene	<0.5	ug/l
1,3-Dichlorobenzene	<0.5	ug/l
1,4-Dichlorobenzene	<0.5	ug/l
Dichlorodifluoromethane	<0.5	ug/l
1,1-Dichloroethane	<0.5	ug/l
1,2-Dichloroethane	<0.5	ug/l
1,1-Dichloroethene	<0.5	ug/l
cis-1,2-Dichloroethene	<0.5	ug/l
trans-1,2-Dichloroethene	<0.5	ug/l
1,2-Dichloropropane	<0.5	ug/l
1,3-Dichloropropane	<0.5	ug/l
2,2-Dichloropropane	<0.5	ug/l
1,1-Dichloropropene	<0.5	ug/l
1,3-Dichloropropene (cis&trans)	<0.5	ug/l
Ethylbenzene	<0.5	ug/l
Hexachlorobutadiene	<0.5	ug/l
Isopropylbenzene	<0.5	ug/l
p-Isopropyltoluene	<0.5	ug/l
Methylene chloride	<0.5	ug/l
Naphtalene	<0.5	ug/l
n-Propylbenzene	<0.5	ug/l
Styrene	<0.5	ug/l
1,1,1,2-Tetrachloroethane	<0.5	ug/l
1,1,2,2-Tetrachloroethane	<0.5	ug/l
Tetrachloroethene	<0.5	ug/l
Toluene	<0.5	ug/l
1,2,3-Trichlorobenzene	<0.5	ug/l
1,2,4-Trichlorobenzene	<0.5	ug/l
1,1,1-Trichloroethane	<0.5	ug/l
1,1,2-Trichloroethane	<0.5	ug/l
Trichloroethene	<0.5	ug/l
Trichlorofluoromethane	<0.5	ug/l
1,2,4-Trimethylbenzene	<0.5	ug/l
1,3,5-Trimethylbenzene	<0.5	ug/l
1,2,3-Trichloropropane	<0.5	ug/l
Vinyl chloride	<0.5	ug/l
o-Xylenes	<0.5	ug/l
m&p Xylenes	<0.5	ug/l
Methyl-tert-butylether (MtBE)	<5.0	ug/l
Nitrobenzene	<10	ug/l
2,4-Dinitrotoluene	<2.0	ug/l
2,6-Dinitrotoluene	<2.0	ug/l
Total trihalomethanes	52.41	ug/l
Total haloacetic acids	24.43	ug/l

Synthetic Organic Chemicals

Alachlor	<0.2	ug/l
Atrazine	<0.3	ug/l
Simazine	<0.4	ug/l
Metolachlor	<5.0	ug/l
Metribuzin	<2.0	ug/l
Aldicarb	<0.5	ug/l
Aldicarb Sulfone	<0.5	ug/l
Aldicarb Sulfoxide	<0.5	ug/l
Aldrin	<0.1	ug/l
Benzo(a)Pyrene	<0.02	ug/l
Butachlor	<2.0	ug/l
Carbaryl	<10	ug/l
Carbofuran	<4.0	ug/l
Chlordane(total)	<0.4	ug/l
Dalapon	<20	ug/l
Dicamba	<10	ug/l
Dieldrin	<0.1	ug/l
Di(2ethylhexyl) adipate	<40	ug/l
Di(2-ethylhexyl) phthalate	<0.6	ug/l
2,4-D	<7.0	ug/l
Dinoseb	<1.0	ug/l
Diquat	<2.0	ug/l
Endothall	<10	ug/l
Endrin	<0.2	ug/l
Glyphosate	<70	ug/l
Heptachlor	<0.1	ug/l
Heptachlor Epoxide	<0.05	ug/l
Hexachlorobenzene	<0.25	ug/l
Hexachlorocyclopentadiene	<5.0	ug/l
3-Hydroxycarbofuran	<10	ug/l
Lindane	<0.02	ug/l
Methomyl	<50	ug/l
Oxamyl (Vydate)	<20	ug/l
Pentachlorophenol	<0.1	ug/l
Picloram	<50	ug/l
PCB's (total)	<0.1	ug/l
Propachlor	<4.0	ug/l
Toxaphene	<1.0	ug/l
2,4,5 – TP (Silvex)	<5.0	ug/l
Dacthal	<1.0	ug/l
Acetochlor	<1.0	ug/l
EPTC	<1.0	ug/l
Molinate	<0.50	ug/l
Terbacil	<10	ug/l
4-4'-DDE	<0.80	ug/l

Radiological

Gross Alpha	<3	pCi/l
Total Beta	<4	pCi/l

Bacteriological

Total Coliform	Negative
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