

March 2016

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

pH	9.59	Ph Units
Turbidity	0.06	NTU
Alkalinity-Total	21	mg/l as CaCO <sub>3</sub>
Alkalinity-Phenolphthalein	8	mg/l as CaCO <sub>3</sub>
Alkalinity-Hydroxide	-6	mg/l as CaCO <sub>3</sub>
Alkalinity-Carbonate	26	mg/l as CaCO <sub>3</sub>
Alkalinity-Calcium Carbonate Stability	-2	
Hardness-Total	66	mg/l as CaCO <sub>3</sub>
Hardness-Non carbonate	45	mg/l as CaCO <sub>3</sub>
Chlorine Residual-Total	1.74	mg/l
Chlorine Residual-Free	0.05	mg/l
Solids-Total	190	mg/l
Conductivity	334	umhos/cm
Threshold Odor Number	1.0	
<b><u>Inorganic Chemicals</u></b>		
Fluoride	1.04	mg/l F
Chloride	70	mg/l Cl
Sodium	44	mg/l Na
Calcium	15	mg/l Ca
Magnesium	7.0	mg/l Mg
Nitrate	0.250	mg/l N
Nitrite	<0.10	mg/l N
Iron*	<50	ug/l Fe
Aluminum*	326	ug/l Al
Antimony*	<3	ug/l Sb
Arsenic*	<3	ug/l As
Barium*	13.0	ug/l Ba
Bismuth*	3.6	mg/l Bi
Beryllium*	<0.5	ug/l Be
Boron*	<10	ug/l Bo
Cadmium*	<0.5	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 <sub>4</sub>
Phosphate, Total*	<0.1	mg/l P
Asbestos*	<0.20	Fibers/l
Total Organic Carbon	3.74	mg/l
Perchlorate*	<5.0	ug/l ClO <sub>4</sub>

\*- Results are from the 2013 inorganic testing period. Inorganic testing is required in June 2016.

**Volatile Organic Chemicals**

Benzene	<0.5	ug/l
Bromobenze	<0.5	ug/l
Bromochloromethane	<0.5	ug/l
Bromodichloromethane	16.7	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	47.4	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	4.45	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
<b>Total trihalomethanes</b>	60.6	ug/l
<b>Total haloacetic acids</b>	25.0	ug/l

### Synthetic Organic Chemicals

Alachlor	<0.10	ug/l
Atrazine	0.19	ug/l
Simazine	0.18	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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