Revised: 1/03/12

COMPREHENSIVE WATER ANALYSIS 2011

PARAMETER	YWC Sample	EPA/DEP DRINKING WATER STANDARDS
Primary Inorganics (Results in PPM)[1]		
Antimony	<0.001	0.006
Arsenic	<0.001	0.01
Asbestos	N.D.	< 7mf/L
Barium	0.021	2
Beryllium	<0.001	0.004
Cadmium	<0.001	0.005
Chromium	<0.00019	0.1
Cyanide (total)	<0.01	0.2
Fluoride [6]	N.D.	2
Lead (customer tap)	0.0028 (90th percentile) [4]	0.015
Mercury	<0.0001	0.002
Nickel	<.001	0.1
Nitrate Nitrogen	3.85	10
Nitrite Nitrogen	0	1
Total Nitrate & Nitrite	3.85	10
Selenium	<0.005	0.05
Thallium	<0.001	0.002
Turbidity	0.034	0.3
Herbicides/Pesticides/SOC's (Results in PPM)[1]		
Alachlor	N.D.	0.002
Atrazine	N.D.	0.003
Benzo (a) Pyrene	N.D.	0.0002
Carbofuran	N.D.	0.04
Chlordane	N.D.	0.002
Dalapon	N.D.	0.2
Dibromochloropropane (DBCP)	N.D.	0.0002
Di (2-Ethylhexyl) Adipate	N.D.	0.4
Di (2-Ethylhexyl) Phthalate	N.D.	0.006
Dioxin	N.D.	0.00000003
Dinoseb	N.D.	0.007
Diquat	N.D.	0.02
Endothall	N.D.	0.1
Endrin	N.D.	0.002
Ethylene Dibromide (EDB)	N.D.	0.00005
Glyphosphate	N.D.	0.7
Heptachlor	N.D.	0.0004
Heptachlor Epoxide	N.D.	0.0002
Hexachlorobenzene	N.D.	0.001
Hexachlorocyclopentadiene	N.D.	0.05
Lindane	N.D.	0.0002
Methoxychlor	N.D.	0.04
Oxamyl	N.D.	0.2
PCB’s	N.D.	0.0005
Pentachlorophenol	N.D.	0.001
Picloram	N.D.	0.5
Simazine	N.D.	0.004
Toxaphene	N.D.	0.003
2,4-D	N.D.	0.07
2,4,5TP	N.D.	0.05

PARAMETER	SAMPLE	WATER STANDARDS
Haloacetic Acids (Results in PPB)[2]		
First Quarter 2011	1.6	60
Second Quarter 2011	3.65	60
Third Quarter 2011	N.D.	60
Fourth Quarter 2011	N.D.	60
Total Trihalomethanes (Results in PPB)[2]		
First Quarter 2011	19.2	80
Second Quarter 2011	65.3	80
Third Quarter 2011	35.4	80
Fourth Quarter 2011	24.5	80
Radiological Characteristics (Results in PCi/L)[3]		
Gross Alpha	0.1 (±1.3)	<15.0
Gross Beta	1.3 (±2.5)	<50.0
Radium-226	0.1 (±0.1)	<5.0
Radium-228	0.2 (±0.7)	<5.0
Uranium	0.9	<30.0
Microbiological (Results in units)		
Coliform Bacteria (% of positive samp	<0.1%	5.00%
Number of Acute Violations	0	0
Heterotrophic Plate Count (Bac/ml.)[5]	1.88	500
Regulated Volatile Organic Chemicals (Results in PPM)[1]		
Benzene	N.D.	0.005
Carbon Tetrachloride	N.D	0.005
Chlorobenzene	N.D.	0.1
1,2-Dichloroethane	N.D.	0.005
o-Dichlorobenzene	N.D.	0.6
p-Dichlorobenzene	N.D.	0.075
1,1-Dichloroethylene	N.D.	0.007
cis-1,2-Dichloroethylene	N.D.	0.07
trans-1,2-Dichloroethylene	N.D.	0.1
Dichloromethane	N.D.	0.005
1,2-Dichloropropane	N.D.	0.005
Ethylbenzene	N.D.	0.7
Styrene	N.D.	0.1
Tetrachloroethylene	N.D.	0.005
Toluene	N.D.	1
1,2,4-Trichlorobenzene	N.D.	0.07
1,1,1-Trichloroethane	N.D.	0.2
1,1,2-Trichloroethane	N.D.	0.005
Trichloroethylene	N.D.	0.005
Vinyl Chloride	N.D.	0.002
Xylenes (Total)	N.D.	10

PARAMETER	SAMPLE	WATER STANDARDS
Unregulated Contaminant Monitoring (Results in PPB)[2]		
Nitrosodimethylamine	0.0032	*
Nitrosomethylethylamine	<0.003	*
Nitrosodiethylamine	<0.005	*
Nitrosopyrrolidine	<0.002	*
Nitroso-Di-N-Propylamine	<0.007	*
Nitroso-Di-N-Butylamine	<0.004	*
Acetochlor	<1.0	*
Alachlor	<1.0	*
Metalachlor	<1.0	*
Dimethoate	<0.70	*
Terbufos Sulfone	<0.40	*
BDE-47	<0.30	*
BDE-99	<0.90	*
BDE-100	<0.50	*
BDE-153	<0.80	*
245-HBB	<0.70	*
1,3-Dinitrobenzene	<0.80	*
RDX	<0.80	*
2,4,6-Trinitrotoluene (TNT)	<0.80	*
Acetochlor ESA	<1.0	*
Acetochlor OA	<1.0	*
Alachlor ESA	<1.0	*
Alachlor OA	<1.0	*
Metolachlor ESA	1.33	*
Metolachlor OA	<1.0	*
Secondary Inorganics (Results in PPM)[1]		
Alkalinity	42	*
Aluminum	0.027	0.05 – 0.20
Calcium	20.3	*
Chloride	23.4	250
Conductivity	237.4	*
Color	0	15
Copper (customer tap)	0.089 (90th percentile)[4]	1.3
Copper (distribution system)	N.D.	1
Corrosivity (Langlier Index)	-0.12	>0.0
Hardness	84.4	*
Total Iron	0.031	0.3
Lead (distribution system)	N.D.	0.005
Magnesium	5.77	*
Manganese	0.028	0.05
Total Phosphorus	N.D.	*
pH Value	8.32	7.4 - 8.6
Silver	N.D.	0.1
Sodium	14	20
Sulfate	N.D.	250
Foaming Agents (MBAS)	N.D.	0.5
Total Dissolved Solids	158.7	500
Zinc	N.D.	5

> Greater than
< Less than
N.D. Not detected
* No EPA/DEP Standard at present time

[1] Part per million = 1 milligram per liter
[2] Part per billion = 1 microgram per liter
[3] Part per trillion = 1 picocurie per liter
[4] Action level = 90% of tier 1 tap samples must meet the stated action levels for lead and copper.
~ Lead 0.015 mg/L at customer tap after minimum 6 hr. residence.
~ Copper 1.350 mg/L at customer tap after minimum 6 hr. residence.
~ Lead 0.005 mg/L in distribution system.
[5] Based on 2,343 distribution tap samples collected during 2011.
(DEP requires minimum 1,440).
[6] The York Water Company does not add fluoride with the exception of our West Manheim Customers.
Range of detected levels (PPM) for West Manheim was 0.91 - 1.38 with a median of 1.14.