

## WSSC TAP WATER ANALYSIS - 2008

POTOMAC WATER FILTRATION PLANT					
PARAMETER	UNIT OF MEASURE	YEARLY AVERAGE	MAXIMUM	MINIMUM	EPA LIMIT
<b><u>GENERAL WATER QUALITY</u></b>					
Alkalinity	mg/L	82	117	42	
Color	Units	0	2	0	
Hardness	mg/L	124	182	72	
pH	S.U.	7.4	7.7	7.2	
Specific Conductance	µSiemens/cm@25°C	379	720	222	
Temperature	° C	16.7	31.6	4.3	
Threshold Odor	Units	1.0	1.0	1.0	
Turbidity <sup>+</sup>	NTU	0.04	0.19	0.02	TT=1 NTU
<b><u>METALS</u></b>					
Aluminum	µg/L	30	170	<20	
Antimony	µg/L	n/d	<2	n/d	6
Arsenic	µg/L	n/d	<2	n/d	10
Barium	µg/L	36	65	25	2000
Beryllium	µg/L	n/d	n/d	n/d	4
Cadmium	µg/L	n/d	n/d	n/d	5
Calcium	mg/L	42.8	79.7	19.9	
Chromium	µg/L	<2	4	n/d	100
Copper	µg/L	<2	2	n/d	
Iron	mg/L	n/d	0.4	n/d	
Lead	µg/L	n/d	n/d	n/d	
Magnesium	mg/L	9.2	14.6	4.3	
Manganese	µg/L	<2	7	n/d	
Mercury	µg/L	n/d	n/d	n/d	2
Potassium	mg/L	3.1	4.8	2.2	
Selenium	µg/L	n/d	n/d	n/d	50
Sodium	mg/L	19.5	37.1	6.1	
Thallium	µg/L	n/d	n/d	n/d	2
Zinc	µg/L	n/d	<10	n/d	
<b><u>INORGANICS</u></b>					
Chloride	mg/L	39.5	72.5	22.0	
Residual Chlorine	mg/L	2.0	3.8	1.4	TT=>0.2
Fluoride	mg/L	0.92	1.26	0.50	4
Nitrate	mg/L	1.56	3.07	0.51	10
Nitrite	mg/L	n/d	<0.02	n/d	1
Perchlorate	µg/L	0.48	0.93	0.28	
Phosphorus	mg/L	0.28	0.36	n/d	
Sulfate	mg/L	44.0	85.7	11.5	
<b><u>DISINFECTION BYPRODUCT PRECURSOR</u></b>					
Total Organic Carbon	mg/L	2.0	3.4	<1.0	TT
<b><u>PESTICIDES &amp; SYNTHETIC ORGANIC CHEMICALS (SOCs)</u></b>					
2,3,7,8-TCDD (Dioxin)	pg/L	n/d	n/d	n/d	30
2,4,5 TP (Silvex)	µg/L	n/d	n/d	n/d	50
2,4-D	µg/L	n/d	n/d	n/d	70
Alachlor	µg/L	n/d	n/d	n/d	2
Aldicarb	µg/L	n/d	n/d	n/d	3
Aldicarb sulfone	µg/L	n/d	n/d	n/d	2
Aldicarb sulfoxide	µg/L	n/d	n/d	n/d	4
Atrazine	µg/L	n/d	n/d	n/d	3
Benzo(a)pyrene	µg/L	n/d	n/d	n/d	0.2
Carbofuran	µg/L	n/d	n/d	n/d	40
Chlorinated biphenyls (PCBs)	µg/L	n/d	n/d	n/d	0.5
Chlordane	µg/L	n/d	n/d	n/d	2
Dalapon	µg/L	<1	<1	n/d	200
1,2-Dibromo3-chloropropane (DBCP)	µg/L	n/d	n/d	n/d	0.2

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<b>POTOMAC WATER FILTRATION PLANT</b>					
<b>PARAMETER</b>	<b>UNIT OF MEASURE</b>	<b>YEARLY AVERAGE</b>	<b>MAXIMUM</b>	<b>MINIMUM</b>	<b>EPA LIMIT</b>
<b><u>PESTICIDES &amp; SYNTHETIC ORGANIC CHEMICALS (SOCs)</u></b>					
Di(2-ethylhexyl)adipate	µg/L	n/d	n/d	n/d	400
Di(2-ethylhexyl)phthalate	µg/L	<2	<2	n/d	6
Dinoseb	µg/L	n/d	n/d	n/d	7
Diquat	µg/L	n/d	n/d	n/d	20
1,2-Dibromoethane (EDB)	µg/L	n/d	n/d	n/d	0.05
Endothall	µg/L	n/d	n/d	n/d	100
Endrin	µg/L	n/d	n/d	n/d	2
Glyphosate	µg/L	n/d	n/d	n/d	700
Heptachlor	µg/L	n/d	n/d	n/d	0.4
Heptachlor epoxide	µg/L	n/d	n/d	n/d	0.2
Hexachlorobenzene	µg/L	n/d	n/d	n/d	1
Hexachlorocyclopentadiene	µg/L	n/d	n/d	n/d	50
Lindane	µg/L	n/d	n/d	n/d	0.2
Methoxychlor	µg/L	n/d	n/d	n/d	40
Oxamyl (vydate)	µg/L	n/d	n/d	n/d	200
Pentachlorophenol	µg/L	n/d	n/d	n/d	1
Picloram	µg/L	n/d	n/d	n/d	500
Simazine	µg/L	n/d	n/d	n/d	4
Toxaphene	µg/L	n/d	n/d	n/d	3
<b><u>VOLATILE ORGANIC CHEMICALS (VOCs)</u></b>					
1,1,1-Trichloroethane	µg/L	n/d	n/d	n/d	200
1,1,2-Trichloroethane	µg/L	n/d	n/d	n/d	5
1,1-Dichloroethene	µg/L	n/d	n/d	n/d	7
1,2,4-Trichlorobenzene	µg/L	n/d	n/d	n/d	70
1,2-Dichlorobenzene	µg/L	n/d	n/d	n/d	600
1,2-Dichloroethane	µg/L	n/d	n/d	n/d	5
1,2-Dichloropropane	µg/L	n/d	n/d	n/d	5
1,4-Dichlorobenzene	µg/L	n/d	<0.5	n/d	75
Benzene	µg/L	n/d	n/d	n/d	5
Carbon Tetrachloride	µg/L	n/d	n/d	n/d	5
Chlorobenzene	µg/L	n/d	n/d	n/d	100
<i>cis</i> -1,2-Dichloroethene	µg/L	n/d	n/d	n/d	70
Dichloromethane	µg/L	n/d	n/d	n/d	5
Ethylbenzene	µg/L	n/d	n/d	n/d	700
Total Xylenes	µg/L	n/d	n/d	n/d	10000
Styrene	µg/L	n/d	n/d	n/d	100
Tetrachloroethene	µg/L	n/d	n/d	n/d	5
Toluene	µg/L	n/d	n/d	n/d	1000
<i>trans</i> -1,2-Dichloroethene	µg/L	n/d	n/d	n/d	100
Trichloroethene	µg/L	n/d	n/d	n/d	5
Vinyl Chloride	µg/L	n/d	n/d	n/d	2
2,2-Dichloropropane	µg/L	n/d	<0.5	n/d	
Bromomethane	µg/L	n/d	<0.5	n/d	
Chloromethane	µg/L	n/d	<0.5	n/d	
<b><u>RADIONUCLIDES</u></b>					
Gross Alpha	pCi/L	<1	2	<1	15
Gross Beta	pCi/L	4	4	3	50 <sup>1</sup>
Radium 228	pCi/L	<0.9	<1.0	<0.7	
<b><u>MICROBIOLOGICAL</u></b>					
Cryptosporidium <sup>++</sup>	Oocyst/L	n/d	n/d	n/d	
<b><u>OTHER CONTAMINANTS<sup>+++</sup></u></b>					
1,3-Dinitrobenzene	µg/L	n/d	n/d	n/d	
2,2',4,4',5,5'-Hexabromobiphenyl	µg/L	n/d	n/d	n/d	
2,2',4,4',5,5'-Hexabromodiphenyl ether	µg/L	n/d	n/d	n/d	

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PARAMETER	UNIT OF MEASURE	YEARLY AVERAGE	MAXIMUM	MINIMUM	EPA LIMIT
2,2',4,4',5-Pentabromodiphenyl ether	µg/L	n/d	n/d	n/d	
2,2',4,4',6-Pentabromodiphenyl ether	µg/L	n/d	n/d	n/d	
2,2',4,4'-Tetrabromodiphenyl ether	µg/L	n/d	n/d	n/d	
2,4,6-Trinitrotoluene	µg/L	n/d	n/d	n/d	
Acetochlor	µg/L	n/d	n/d	n/d	
Acetochlor ethane sulfonic acid (ESA)	µg/L	n/d	n/d	n/d	
Acetochlor oxanilic acid (OA)	µg/L	n/d	n/d	n/d	
Alachlor	µg/L	n/d	n/d	n/d	
Alachlor ESA	µg/L	n/d	n/d	n/d	
Alachlor OA	µg/L	n/d	n/d	n/d	
Dimethoate	µg/L	n/d	n/d	n/d	
Hexahydro-1,3,5-trinitro-1,3,5-triazine	µg/L	n/d	n/d	n/d	
Metolachlor	µg/L	n/d	n/d	n/d	
Metolachlor ESA	µg/L	n/d	n/d	n/d	
Metolachlor OA	µg/L	n/d	n/d	n/d	
N-nitroso-diethylamine *	ng/L	n/d	n/d	n/d	
N-nitroso-dimethylamine *	ng/L	n/d	n/d	n/d	
N-nitroso-di-n-butylamine *	ng/L	n/d	n/d	n/d	
N-nitroso-di-n-propylamine *	ng/L	n/d	n/d	n/d	
N-nitroso-methylethylamine *	ng/L	n/d	n/d	n/d	
N-nitroso-pyrrolidine *	ng/L	n/d	n/d	n/d	
Terbufos sulfone	µg/L	n/d	n/d	n/d	

### SPECIAL VOLUNTARY MONITORING \*\*

PARAMETER	UNIT OF MEASURE	SOURCE - LEVEL FOUND	TAP - LEVEL FOUND	EPA LIMIT
4-n-Octylphenol	µg/L	n/d	n/d	
4-tert-Octylphenol	µg/L	n/d	n/d	
17alpha-Ethynyl estradiol	ng/L	n/d	n/d	
17beta-Estradiol	ng/L	n/d	n/d	
Atrazine	µg/L	0.1	0.1	3
Bisphenol A	µg/L	n/d	n/d	
Butylbenzylphthalate	µg/L	n/d	n/d	
Caffeine	µg/L	n/d	n/d	
Carbamazepine	µg/L	0.012	0.010	
Di-n-butylphthalate	µg/L	n/d	n/d	
Di(2-ethylhexyl)phthalate	µg/L	n/d	n/d	6
Estrone	ng/L	n/d	n/d	
gamma-BHC (Lindane)	µg/L	n/d	n/d	0.2
Ibuprofen	µg/L	n/d	n/d	
Linuron	µg/L	n/d	n/d	
Methoxychlor	µg/L	n/d	n/d	40
Monensin	µg/L	n/d	n/d	
Naproxen	µg/L	n/d	n/d	
Nonylphenol, isomer mix	µg/L	n/d	n/d	
Sulfamethoxazole	µg/L	0.003	n/d	

### CUSTOMER TAP <sup>2</sup>

PARAMETER	UNIT OF MEASURE	90th PERCENTILE <sup>3</sup>	# of SITES ABOVE AL	ACTION LEVEL (AL)	EPA LIMIT
Copper	µg/L	122	0 sample	1300	
Lead	µg/L	2.5	1 sample	15	

### DISTRIBUTION SYSTEM

PARAMETER	UNIT OF MEASURE	YEARLY AVERAGE	MAXIMUM	MINIMUM	EPA LIMIT
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### BACTERIOLOGICAL

Samples Total Coliform Positive	%/month	0.30	1.77	0	5
Samples <i>E. coli</i> Positive	%/month	0	0.0	0	
No.of <i>E. coli</i> Positive Routine Samples	Count	0	0	0	
No.of <i>E. coli</i> Positive Repeat Samples	Count	0	0	0	0

### DISINFECTANT & DISINFECTION BYPRODUCTS

Residual Chlorine	mg/L	1.33 <sup>4</sup>	4.40	<0.1	4 <sup>5</sup>
Haloacetic Acids (HAAs), Total	µg/L	32.6 <sup>6</sup>	61.3	12.1	60 <sup>7</sup>
Trihalomethanes (THMs), Total	µg/L	42.0 <sup>6</sup>	90.0	10.4	80 <sup>7</sup>

### LEGENDS

mg/L - milligrams per liter, equal to parts per million (ppm). The equivalent of one minute in 2 years or one penny in \$10,000.

µg/L - micrograms per liter, equal to parts per billion (ppb). The equivalent of one minute in 2,000 years or one penny in \$10 million.

n/d - not detected

ng/L - nanograms per liter, equal to parts per trillion (ppt). The equivalent of one minute in 2,000,000 years or one penny in \$10 billion.

pg/L - picograms per liter, equal to parts per quadrillion (ppq). The equivalent of one minute in 2,000,000,000 years or one penny in \$10 trillion.

pCi/L - picocuries per liter ( a measure of radiation)

S.U. - Standard Unit

NTU - Nephelometric Turbidity Unit

+ - Filtered water

++ - Source water

+++ - List of Unregulated Contaminant Monitoring Regulation(UCMR) contaminants used by EPA to collect occurrence data for contaminants suspected to be present in drinking water but do not have health-based standards set under the Safe Drinking Water Act.

\* - Includes distribution sites at the maximum residence time.

\*\* - Results from special one-time monitoring study on emerging contaminants, see 2008 Water Quality Report, "Note on three special monitoring studies" for brief description of study and <http://www.wsscwater.com/info/EmergingContaminantsInfo.pdf> for more details.

TT - Treatment Technique. A required process intended to reduce the level of a contaminant in drinking water.

AL - Action level. The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

<sup>1</sup> - EPA considers 50 pCi/L to be the level of concern for beta particles.

<sup>2</sup> - Most recent sampling, between June and September 2008.

<sup>3</sup> - If more than 10% of sites exceed action level, system is required to take additional steps to control corrosiveness of their water.

<sup>4</sup> - Running annual average (RAA)

<sup>5</sup> - Maximum residual disinfectant level (MRDL), the highest level of a disinfectant allowed in drinking water; based on RAA.

<sup>6</sup> - Highest running annual average

<sup>7</sup> - Based on running annual average

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<b>PATUXENT WATER FILTRATION PLANT</b>					
<b>PARAMETER</b>	<b>UNIT OF MEASURE</b>	<b>YEARLY AVERAGE</b>	<b>MAXIMUM</b>	<b>MINIMUM</b>	<b>EPA LIMIT</b>
<b><u>GENERAL WATER QUALITY</u></b>					
Alkalinity	mg/L	34	41	29	
Color	Units	0	5	0	
Hardness	mg/L	64	115	38	
pH	S.U.	7.4	8.0	7.2	
Specific Conductance	µSiemens/cm@25°C	204	354	132	
Temperature	° C	15.0	26.7	3.0	
Threshold Odor	Units	1.0	1.9	1.0	
Turbidity <sup>+</sup>	NTU	0.03	0.10	0.02	TT=1 NTU
<b><u>METALS</u></b>					
Aluminum	µg/L	24	441	<20	
Antimony	µg/L	n/d	<2	n/d	6
Arsenic	µg/L	n/d	<2	n/d	10
Barium	µg/L	26	72	19	2000
Beryllium	µg/L	n/d	n/d	n/d	4
Cadmium	µg/L	n/d	n/d	n/d	5
Calcium	mg/L	18.0	27.1	13.2	
Chromium	µg/L	n/d	2	n/d	100
Copper	µg/L	12	18	2	
Iron	mg/L	n/d	<0.2	n/d	
Lead	µg/L	n/d	n/d	n/d	
Magnesium	mg/L	4.9	6.6	4.1	
Manganese	µg/L	3	24	n/d	
Mercury	µg/L	n/d	n/d	n/d	2
Potassium	mg/L	2.7	3.7	2.2	
Selenium	µg/L	n/d	n/d	n/d	50
Sodium	mg/L	14.6	30.1	5.7	
Thallium	µg/L	n/d	<1	n/d	2
Zinc	µg/L	n/d	<10	n/d	
<b><u>INORGANICS</u></b>					
Chloride	mg/L	34.0	45.0	26.1	
Residual Chlorine	mg/L	1.8	2.4	1.5	TT=>0.2
Fluoride	mg/L	1.03	1.46	0.38	4
Nitrate	mg/L	0.95	2.30	0.63	10
Nitrite	mg/L	n/d	0.03	n/d	1
Phosphorus	mg/L	0.30	0.45	n/d	
Sulfate	mg/L	7.1	17.5	4.7	
<b><u>DISINFECTION BYPRODUCT PRECURSOR</u></b>					
Total Organic Carbon	mg/L	1.9	4.0	1.4	TT
<b><u>PESTICIDES &amp; SYNTHETIC ORGANIC CHEMICALS (SOCs)</u></b>					
2,3,7,8-TCDD (Dioxin)	pg/L	n/d	n/d	n/d	30
2,4,5 TP (Silvex)	µg/L	n/d	n/d	n/d	50
2,4-D	µg/L	n/d	n/d	n/d	70
Alachlor	µg/L	n/d	n/d	n/d	2
Aldicarb	µg/L	n/d	n/d	n/d	3
Aldicarb sulfone	µg/L	n/d	n/d	n/d	2
Aldicarb sulfoxide	µg/L	n/d	n/d	n/d	4
Atrazine	µg/L	n/d	n/d	n/d	3
Benzo(a)pyrene	µg/L	n/d	n/d	n/d	0.2
Carbofuran	µg/L	n/d	n/d	n/d	40
Chlorinated biphenyls (PCBs)	µg/L	n/d	n/d	n/d	0.5
Chlordane	µg/L	n/d	n/d	n/d	2
Dalapon	µg/L	<1	1	n/d	200
1,2-Dibromo3-chloropropane (DBCP)	µg/L	n/d	n/d	n/d	0.2
Di(2-ethylhexyl)adipate	µg/L	n/d	n/d	n/d	400

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<b><u>PESTICIDES &amp; SYNTHETIC ORGANIC CHEMICALS (SOCs)</u></b>					
Di(2-ethylhexyl)phthalate	µg/L	n/d	<2	n/d	6
Dinoseb	µg/L	n/d	n/d	n/d	7
Diquat	µg/L	n/d	n/d	n/d	20
1,2-Dibromoethane (EDB)	µg/L	n/d	n/d	n/d	0.05
Endothall	µg/L	n/d	n/d	n/d	100
Endrin	µg/L	n/d	n/d	n/d	2
Glyphosate	µg/L	n/d	n/d	n/d	700
Heptachlor	µg/L	n/d	n/d	n/d	0.4
Heptachlor epoxide	µg/L	n/d	n/d	n/d	0.2
Hexachlorobenzene	µg/L	n/d	n/d	n/d	1
Hexachlorocyclopentadiene	µg/L	n/d	n/d	n/d	50
Lindane	µg/L	n/d	n/d	n/d	0.2
Methoxychlor	µg/L	n/d	n/d	n/d	40
Oxamyl (vydate)	µg/L	n/d	n/d	n/d	200
Pentachlorophenol	µg/L	n/d	n/d	n/d	1
Picloram	µg/L	n/d	n/d	n/d	500
Simazine	µg/L	n/d	n/d	n/d	4
Toxaphene	µg/L	n/d	n/d	n/d	3
<b><u>VOLATILE ORGANIC CHEMICALS (VOCs)</u></b>					
1,1,1-Trichloroethane	µg/L	n/d	n/d	n/d	200
1,1,2-Trichloroethane	µg/L	n/d	n/d	n/d	5
1,1-Dichloroethene	µg/L	n/d	n/d	n/d	7
1,2,4-Trichlorobenzene	µg/L	n/d	<0.5	n/d	70
1,2-Dichlorobenzene	µg/L	n/d	<0.5	n/d	600
1,2-Dichloroethane	µg/L	n/d	n/d	n/d	5
1,2-Dichloropropane	µg/L	n/d	n/d	n/d	5
1,4-Dichlorobenzene	µg/L	n/d	<0.5	n/d	75
Benzene	µg/L	n/d	n/d	n/d	5
Carbon Tetrachloride	µg/L	n/d	n/d	n/d	5
Chlorobenzene	µg/L	n/d	n/d	n/d	100
<i>cis</i> -1,2-Dichloroethene	µg/L	n/d	n/d	n/d	70
Dichloromethane	µg/L	n/d	n/d	n/d	5
Ethylbenzene	µg/L	n/d	n/d	n/d	700
Total Xylenes	µg/L	n/d	n/d	n/d	10000
Styrene	µg/L	n/d	n/d	n/d	100
Tetrachloroethene	µg/L	n/d	n/d	n/d	5
Toluene	µg/L	n/d	<0.5	n/d	1000
<i>trans</i> -1,2-Dichloroethene	µg/L	n/d	n/d	n/d	100
Trichloroethene	µg/L	n/d	n/d	n/d	5
Vinyl Chloride	µg/L	n/d	n/d	n/d	2
2,2-Dichloropropane	µg/L	n/d	<0.5	n/d	
Bromomethane	µg/L	n/d	<0.5	n/d	
Chloromethane	µg/L	n/d	<0.5	n/d	
Naphthalene	µg/L	n/d	<0.5	n/d	
<b><u>RADIONUCLIDES</u></b>					
Gross Alpha	pCi/L	1	2	<1	15
Gross Beta	pCi/L	3	4	2	50 <sup>1</sup>
Radium 228	pCi/L	<1.0	<1.0	<0.7	
<b><u>MICROBIOLOGICAL</u></b>					
Cryptosporidium <sup>++</sup>	Oocyst/L	n/d	n/d	n/d	
<b><u>OTHER CONTAMINANTS<sup>+++</sup></u></b>					
1,3-Dinitrobenzene	µg/L	n/d	n/d	n/d	
2,2',4,4',5,5'-Hexabromobiphenyl	µg/L	n/d	n/d	n/d	
2,2',4,4',5,5'-Hexabromodiphenyl ether	µg/L	n/d	n/d	n/d	

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<b>PARAMETER</b>	<b>UNIT OF MEASURE</b>	<b>YEARLY AVERAGE</b>	<b>MAXIMUM</b>	<b>MINIMUM</b>	<b>EPA LIMIT</b>
2,2',4,4',5-Pentabromodiphenyl ether	µg/L	n/d	n/d	n/d	
2,2',4,4',6-Pentabromodiphenyl ether	µg/L	n/d	n/d	n/d	
2,2',4,4'-Tetrabromodiphenyl ether	µg/L	n/d	n/d	n/d	
2,4,6-Trinitrotoluene	µg/L	n/d	n/d	n/d	
Acetochlor	µg/L	n/d	n/d	n/d	
Acetochlor ethane sulfonic acid (ESA)	µg/L	n/d	n/d	n/d	
Acetochlor oxanilic acid (OA)	µg/L	n/d	n/d	n/d	
Alachlor	µg/L	n/d	n/d	n/d	
Alachlor ESA	µg/L	n/d	n/d	n/d	
Alachlor OA	µg/L	n/d	n/d	n/d	
Dimethoate	µg/L	n/d	n/d	n/d	
Hexahydro-1,3,5-trinitro-1,3,5-triazine	µg/L	n/d	n/d	n/d	
Metolachlor	µg/L	n/d	n/d	n/d	
Metolachlor ESA	µg/L	n/d	n/d	n/d	
Metolachlor OA	µg/L	n/d	n/d	n/d	
N-nitroso-diethylamine *	ng/L	n/d	n/d	n/d	
N-nitroso-dimethylamine *	ng/L	n/d	n/d	n/d	
N-nitroso-di-n-butylamine *	ng/L	n/d	n/d	n/d	
N-nitroso-di-n-propylamine *	ng/L	n/d	n/d	n/d	
N-nitroso-methylethylamine *	ng/L	n/d	n/d	n/d	
N-nitroso-pyrrolidine *	ng/L	n/d	n/d	n/d	
Terbufos sulfone	µg/L	n/d	n/d	n/d	

**SPECIAL VOLUNTARY MONITORING \*\***

<b>PARAMETER</b>	<b>UNIT OF MEASURE</b>	<b>SOURCE - LEVEL FOUND</b>	<b>TAP - LEVEL FOUND</b>	<b>EPA LIMIT</b>
4-n-Octylphenol	µg/L	n/d	n/d	
4-tert-Octylphenol	µg/L	n/d	n/d	
17alpha-Ethynyl estradiol	ng/L	n/d	n/d	
17beta-Estradiol	ng/L	n/d	n/d	
Atrazine	µg/L	0.3	0.3	3
Bisphenol A	µg/L	n/d	n/d	
Butylbenzylphthalate	µg/L	n/d	n/d	
Caffeine	µg/L	n/d	n/d	
Carbamazepine	µg/L	0.001	n/d	
Di-n-butylphthalate	µg/L	n/d	n/d	
Di(2-ethylhexyl)phthalate	µg/L	n/d	n/d	6
Estrone	ng/L	n/d	n/d	
gamma-BHC (Lindane)	µg/L	n/d	n/d	0.2
Ibuprofen	µg/L	n/d	n/d	
Linuron	µg/L	n/d	n/d	
Methoxychlor	µg/L	n/d	n/d	40
Monensin	µg/L	n/d	n/d	
Naproxen	µg/L	n/d	n/d	
Nonylphenol, isomer mix	µg/L	n/d	n/d	
Sulfamethoxazole	µg/L	n/d	n/d	

**CUSTOMER TAP <sup>2</sup>**

<b>PARAMETER</b>	<b>UNIT OF MEASURE</b>	<b>90th PERCENTILE <sup>3</sup></b>	<b># of SITES ABOVE AL</b>	<b>ACTION LEVEL (AL)</b>	<b>EPA LIMIT</b>
Copper	µg/L	122	0 sample	1300	
Lead	µg/L	2.5	1 sample	15	

**DISTRIBUTION SYSTEM**

<b>PARAMETER</b>	<b>UNIT OF MEASURE</b>	<b>YEARLY AVERAGE</b>	<b>MAXIMUM</b>	<b>MINIMUM</b>	<b>EPA LIMIT</b>
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## WSSC TAP WATER ANALYSIS - 2008

### BACTERIOLOGICAL

Samples Total Coliform Positive	%/month	0.30	1.77	0	5
Samples <i>E. coli</i> Positive	%/month	0	0.0	0	
No.of <i>E. coli</i> Positive Routine Samples	Count	0	0	0	
No.of <i>E. coli</i> Positive Repeat Samples	Count	0	0	0	0

### DISINFECTANT & DISINFECTION BYPRODUCTS

Residual Chlorine	mg/L	1.33 <sup>4</sup>	4.40	<0.1	4 <sup>5</sup>
Haloacetic Acids (HAAs), Total	µg/L	32.6 <sup>6</sup>	61.3	12.1	60 <sup>7</sup>
Trihalomethanes (THMs), Total	µg/L	42.0 <sup>6</sup>	90.0	10.4	80 <sup>7</sup>

### LEGENDS

mg/L - milligrams per liter, equal to parts per million (ppm). The equivalent of one minute in 2 years or one penny in \$10,000.

µg/L - micrograms per liter, equal to parts per billion (ppb). The equivalent of one minute in 2,000 years or one penny in \$10 million.

n/d - not detected

ng/L - nanograms per liter, equal to parts per trillion (ppt). The equivalent of one minute in 2,000,000 years or one penny in \$10 billion.

pg/L - picograms per liter, equal to parts per quadrillion (ppq). The equivalent of one minute in 2,000,000,000 years or one penny in \$10 trillion.

pCi/L - picocuries per liter ( a measure of radiation)

S.U. - Standard Unit

NTU - Nephelometric Turbidity Unit

+ - Filtered water

++ - Source water

+++ - List of Unregulated Contaminant Monitoring Regulation(UCMR) contaminants used by EPA to collect occurrence data for contaminants suspected to be present in drinking water but do not have health-based standards set under the Safe Drinking Water Act.

\* - Includes distribution sites at the maximum residence time.

\*\* - Results from special one-time monitoring study on emerging contaminants, see 2008 Water Quality Report, "Note on three special monitoring studies" for brief description of study and <http://www.wsscwater.com/info/EmergingContaminantsInfo.pdf> for more details.

TT - Treatment Technique. A required process intended to reduce the level of a contaminant in drinking water.

AL - Action level. The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

<sup>1</sup> - EPA considers 50 pCi/L to be the level of concern for beta particles.

<sup>2</sup> - Most recent sampling, between June and September 2008.

<sup>3</sup> - If more than 10% of sites exceed action level, system is required to take additional steps to control corrosiveness of their water.

<sup>4</sup> - Running annual average (RAA)

<sup>5</sup> - Maximum residual disinfectant level (MRDL), the highest level of a disinfectant allowed in drinking water; based on RAA.

<sup>6</sup> - Highest running annual average

<sup>7</sup> - Based on running annual average