

WSSC TAP WATER ANALYSIS - 2024

PATUXENT WATER FILTRATION PLANT					
PARAMETER	UNIT OF MEASURE	YEARLY AVERAGE	MAXIMUM	MINIMUM	EPA LIMIT ¹¹
<u>GENERAL WATER QUALITY</u>					
Alkalinity	mg/L	36	47	27	
Color	Units	0	0	0	15 (SMCL)
Hardness	mg/L	64	198	51	
pH	S.U.	7.5	7.9	7.0	6.5-8.5 (SMCL)
Specific Conductance	MicroSiemens/cm	291	28400	135	
Temperature	° C	17	29	5.8	
Threshold Odor	Units	1.0	1.5	1.0	3 (SMCL)
Turbidity ¹	NTU	0.03	0.09	0.01	TT=1 NTU; <0.3 NTU 95% of time
Geosmin	ng/L	1.7	7.6	0	
2-Methylisoborneol	ng/L	6.3	26.8	0	
<u>METALS</u>					
Aluminum	mg/L	0.02	0.04	0.01	0.2 (SMCL)
Antimony	µg/L	n/d	n/d	n/d	6
Arsenic	µg/L	n/d	n/d	n/d	10
Barium	mg/L	0.03	0.03	0.02	2
Beryllium	µg/L	n/d	n/d	n/d	4
Cadmium	µg/L	n/d	n/d	n/d	5
Calcium	mg/L	18	54	12	
Total Chromium	µg/L	n/d	n/d	n/d	100
Copper	mg/L	0.01	0.03	0.004	
Iron	mg/L	n/d	n/d	n/d	0.3 (SMCL)
Lead	µg/L	n/d	n/d	n/d	
Manganese	µg/L	n/d	n/d	n/d	50 (SMCL)
Mercury	µg/L	n/d	n/d	n/d	2
Nickel	µg/L	n/d	n/d	n/d	
Selenium	µg/L	n/d	n/d	n/d	50
Sodium	mg/L	13	15	11	
Thallium	µg/L	n/d	n/d	n/d	2
<u>INORGANICS</u>					
Chloride	mg/L	36	51	32	250 (SMCL)
Residual Chlorine	mg/L	1.0	1.3	0.8	TT≥0.2
Fluoride	mg/L	0.6	0.8	0.4	4 (SMCL=2)
Nitrate	mg/L	0.9	1.4	0.4	10
Nitrite	mg/L	n/d	n/d	n/d	1
Sulfate	mg/L	5.8	7.9	4.5	250 (SMCL)
<u>DISINFECTION BYPRODUCT PRECURSOR</u>					
Total Organic Carbon	mg/L	Meets Treatment Technique (TT) Requirements			TT
<u>ORGANICS</u>					
Haloacetic Acids (HAA5)	µg/L	25	38	16	
Total Trihalomethanes (TTHMs)	µg/L	26	45	14	
<u>PESTICIDES & SYNTHETIC ORGANIC CHEMICALS (SOCs)</u>					
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
3-Hydroxycarbofuran	µg/L	n/d	n/d	n/d	
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

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PARAMETER	UNIT OF MEASURE	YEARLY AVERAGE	MAXIMUM	MINIMUM	EPA LIMIT ¹¹
Aldrin	µg/L	n/d	n/d	n/d	
Atrazine	µg/L	n/d	n/d	n/d	3
Benzo(a)pyrene	µg/L	n/d	n/d	n/d	0.2
Butachlor	µg/L	n/d	n/d	n/d	
Carbaryl	µg/L	n/d	n/d	n/d	
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	n/d	n/d	n/d	200
Dibromochloropropane (DBCP)	µg/L	n/d	n/d	n/d	0.2
Dicamba	µg/L	n/d	n/d	n/d	
Dieldrin	µg/L	n/d	n/d	n/d	
Di(2-ethylhexyl)adipate	µg/L	n/d	n/d	n/d	400
Di(2-ethylhexyl)phthalate	µg/L	n/d	n/d	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
Metolachlor	µg/L	n/d	n/d	n/d	
Methomyl	µg/L	n/d	n/d	n/d	
Methoxychlor	µg/L	n/d	n/d	n/d	40
Metribuzin	µg/L	n/d	n/d	n/d	
Oxamyl (vydate)	µg/L	n/d	n/d	n/d	200
Pentachlorophenol (PCP)	µg/L	n/d	n/d	n/d	1
Picloram	µg/L	n/d	n/d	n/d	500
Propachlor	µg/L	n/d	n/d	n/d	
Simazine	µg/L	n/d	n/d	n/d	4
Toxaphene	µg/L	n/d	n/d	n/d	3
<u>VOLATILE ORGANIC CHEMICALS (VOCs)</u>					
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	n/d	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
cis -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
trans -1,2-Dichloroethene	µg/L	n/d	n/d	n/d	100

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PARAMETER	UNIT OF MEASURE	YEARLY AVERAGE	MAXIMUM	MINIMUM	EPA LIMIT ¹¹
Trichloroethene	µg/L	n/d	n/d	n/d	5
Vinyl Chloride	µg/L	n/d	n/d	n/d	2
1,1,1,2-Tetrachloroethane	µg/L	n/d	n/d	n/d	
1,1,2,2-Tetrachloroethane	µg/L	n/d	n/d	n/d	
1,1-Dichloroethane	µg/L	n/d	n/d	n/d	
1,1-Dichloropropene	µg/L	n/d	n/d	n/d	
1,2,3-Trichlorobenzene	µg/L	n/d	n/d	n/d	
1,2,3-Trichloropropane	µg/L	n/d	n/d	n/d	
1,2,4-Trimethylbenzene	µg/L	n/d	n/d	n/d	
1,3,5-Trimethylbenzene	µg/L	n/d	n/d	n/d	
1,3-Dichlorobenzene	µg/L	n/d	n/d	n/d	
1,3-Dichloropropane	µg/L	n/d	n/d	n/d	
2,2-Dichloropropane	µg/L	n/d	n/d	n/d	
2-Chlorotoluene	µg/L	n/d	n/d	n/d	
4-Chlorotoluene	µg/L	n/d	n/d	n/d	
Bromobenzene	µg/L	n/d	n/d	n/d	
Bromochloromethane	µg/L	n/d	n/d	n/d	
Bromomethane	µg/L	n/d	n/d	n/d	
Chloroethane	µg/L	n/d	n/d	n/d	
Chloromethane	µg/L	n/d	n/d	n/d	
cis -1,3-Dichloropropene	µg/L	n/d	n/d	n/d	
Dibromomethane	µg/L	n/d	n/d	n/d	
Dichlorodifluoromethane	µg/L	n/d	n/d	n/d	
Hexachlorobutadiene	µg/L	n/d	n/d	n/d	
Isopropylbenzene	µg/L	n/d	n/d	n/d	
n-Butylbenzene	µg/L	n/d	n/d	n/d	
n-Propylbenzene	µg/L	n/d	n/d	n/d	
Naphthalene	µg/L	n/d	n/d	n/d	
p-Isopropyltoluene	µg/L	n/d	n/d	n/d	
s-Butylbenzene	µg/L	n/d	n/d	n/d	
t-Butylbenzene	µg/L	n/d	n/d	n/d	
trans -1,3-Dichloropropene	µg/L	n/d	n/d	n/d	
Trichlorofluoromethane	µg/L	n/d	n/d	n/d	
Nitrobenzene	µg/L	n/d	n/d	n/d	
Methyl-tert-butyl-ether	µg/L	n/d	n/d	n/d	

RADIONUCLIDES

Gross Alpha	pCi/L	n/d	n/d	n/d	15
Gross Beta	pCi/L	0.9	5.5	n/d	50 ²
Radium 228	pCi/L	0.6	1.8	0.1	5 ³
Tritium	pCi/L	n/d	n/d	n/d	

CUSTOMER TAP ⁴

PARAMETER	UNIT OF MEASURE	90th PERCENTILE ⁵	# of SITES ABOVE AL	EPA ACTION LEVEL (AL)
Copper	mg/L	0.12	0 of 69	1.3
Lead	µg/L	<0.002	0 of 69	15

DISTRIBUTION SYSTEM

PARAMETER	UNIT OF MEASURE	YEARLY AVERAGE	MAXIMUM	MINIMUM	EPA LIMIT ¹¹
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BACTERIOLOGICAL

Samples Total Coliform Positive	%/month	0.06	0.50	0	5
Samples <i>E. coli</i> Positive	%/month	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	

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DISTRIBUTION SYSTEM					
PARAMETER	UNIT OF MEASURE	YEARLY AVERAGE	MAXIMUM	MINIMUM	EPA LIMIT ¹¹

DISINFECTANT & DISINFECTION BYPRODUCTS

Residual Chlorine	mg/L	1.3	2.9	0.08	4 ⁸
Haloacetic Acids (HAA5)	µg/L	49	96	12	60 ¹⁰
Total Trihalomethanes (TTHMs)	µg/L	66	115	20	80 ¹⁰

LEGENDS

n/d - not detected

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.

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

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.

= equals

> greater than

< less than

¹ - Filtered water, maximum of measurements taken every 15 minutes.

² - EPA considers 50 pCi/L to be the level of concern for beta particles.

³ - The EPA limit of 5 pCi/L applies to combined Radium 226 and 228.

⁴ - Most recent required sampling, between June and September 2023

⁵ - If more than 10% of sites exceed action level, system is required to take additional steps to control corrosiveness of their water.

⁶ - Highest running annual average (RAA)

⁷ - All samples deemed to have detectable disinfectant residual.

⁸ - Maximum residual disinfectant level (MRDL), the highest level of a disinfectant allowed in drinking water; based on RAA.

⁹ - Highest locational running annual average (LRAA)

¹⁰ - Maximum contaminant level based on LRAA.

¹¹ - Shown as maximum contaminant levels (MCL) unless otherwise noted as secondary MCLs (SMCL). MCLs are enforceable health-based standards, whereas SMCLs are non-enforceable guidelines for contaminants that may cause aesthetic effects in drinking water.

WSSC TAP WATER ANALYSIS - 2024

POTOMAC WATER FILTRATION PLANT					
PARAMETER	UNIT OF MEASURE	YEARLY AVERAGE	MAXIMUM	MINIMUM	EPA LIMIT ¹¹

GENERAL WATER QUALITY

Alkalinity	mg/L	78	111	41	
Color	Units	0	6	0	15 (SMCL)
Hardness	mg/L	140	199	62	
pH	S.U.	7.4	7.7	7.0	6.5-8.5 (SMCL)
Specific Conductance	MicroSiemens/cm	393	525	217	
Temperature	° C	16	32	0.8	
Threshold Odor	Units	1.0	1.0	0.5	3 (SMCL)
Turbidity ¹	NTU	0.04	0.17	0.02	1.1=1 NTU; <0.3 NTU 95% of time

METALS

Aluminum	mg/L	n/d	n/d	n/d	0.2 (SMCL)
Antimony	µg/L	n/d	n/d	n/d	6
Arsenic	µg/L	n/d	n/d	n/d	10
Barium	mg/L	0.03	0.04	0.03	2
Beryllium	µg/L	n/d	n/d	n/d	4
Cadmium	µg/L	n/d	n/d	n/d	5
Calcium	mg/L	41	58	24	
Total Chromium	µg/L	n/d	n/d	n/d	100
Copper	mg/L	0.004	0.09	n/d	
Iron	mg/L	n/d	n/d	n/d	0.3 (SMCL)
Lead	µg/L	n/d	n/d	n/d	
Manganese	µg/L	n/d	n/d	n/d	50 (SMCL)
Mercury	µg/L	n/d	n/d	n/d	2
Nickel	µg/L	n/d	n/d	n/d	
Selenium	µg/L	n/d	n/d	n/d	50
Sodium	mg/L	18	23	11	
Thallium	µg/L	n/d	n/d	n/d	2

INORGANICS

Chloride	mg/L	43	71	23	250 (SMCL)
Residual Chlorine	mg/L	2.1	2.5	1.9	TT≥0.2
Fluoride	mg/L	0.7	0.8	0.4	4 (SMCL=2)
Nitrate	mg/L	1.1	1.9	0.2	10
Nitrite	mg/L	n/d	n/d	n/d	1
Sulfate	mg/L	5.8	7.9	4.5	250 (SMCL)

DISINFECTION BYPRODUCT PRECURSOR

Total Organic Carbon	mg/L	Meets Treatment Technique (TT) Requirements			TT
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ORGANICS

Haloacetic Acids (HAA5)	µg/L	23	47	11	
Total Trihalomethanes (TTHMs)	µg/L	21	42	9	

PESTICIDES & SYNTHETIC ORGANIC CHEMICALS (SOCs)

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
3-Hydroxycarbofuran	µg/L	n/d	n/d	n/d	
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
Aldrin	µg/L	n/d	n/d	n/d	
Atrazine	µg/L	n/d	n/d	n/d	3

POTOMAC WATER FILTRATION PLANT					
PARAMETER	UNIT OF	YEARLY	MAXIMUM	MINIMUM	EPA LIMIT ¹¹

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	MEASURE	AVERAGE			
Benzo(a)pyrene	µg/L	n/d	n/d	n/d	0.2
Butachlor	µg/L	n/d	n/d	n/d	
Carbaryl	µg/L	n/d	n/d	n/d	
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	n/d	n/d	n/d	200
Dibromochloropropane (DBCP)	µg/L	n/d	n/d	n/d	0.2
Dicamba	µg/L	n/d	n/d	n/d	
Dieldrin	µg/L	n/d	n/d	n/d	
Di(2-ethylhexyl)adipate	µg/L	n/d	n/d	n/d	400
Di(2-ethylhexyl)phthalate	µg/L	n/d	n/d	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
Metolachlor	µg/L	n/d	n/d	n/d	
Methomyl	µg/L	n/d	n/d	n/d	
Methoxychlor	µg/L	n/d	n/d	n/d	40
Metribuzin	µg/L	n/d	n/d	n/d	
Oxamyl (vydate)	µg/L	n/d	n/d	n/d	200
Pentachlorophenol (PCP)	µg/L	n/d	n/d	n/d	1
Picloram	µg/L	n/d	n/d	n/d	500
Propachlor	µg/L	n/d	n/d	n/d	
Simazine	µg/L	n/d	n/d	n/d	4
Toxaphene	µg/L	n/d	n/d	n/d	3

VOLATILE ORGANIC CHEMICALS (VOCs)

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	n/d	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
cis -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
trans -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

POTOMAC WATER FILTRATION PLANT

PARAMETER	UNIT OF MEASURE	YEARLY AVERAGE	MAXIMUM	MINIMUM	EPA LIMIT ¹¹
1,1,1,2-Tetrachloroethane	µg/L	n/d	n/d	n/d	

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1,1,2,2-Tetrachloroethane	µg/L	n/d	n/d	n/d
1,1-Dichloroethane	µg/L	n/d	n/d	n/d
1,1-Dichloropropene	µg/L	n/d	n/d	n/d
1,2,3-Trichlorobenzene	µg/L	n/d	n/d	n/d
1,2,3-Trichloropropane	µg/L	n/d	n/d	n/d
1,2,4-Trimethylbenzene	µg/L	n/d	n/d	n/d
1,3,5-Trimethylbenzene	µg/L	n/d	n/d	n/d
1,3-Dichlorobenzene	µg/L	n/d	n/d	n/d
1,3-Dichloropropane	µg/L	n/d	n/d	n/d
2,2-Dichloropropane	µg/L	n/d	n/d	n/d
2-Chlorotoluene	µg/L	n/d	n/d	n/d
4-Chlorotoluene	µg/L	n/d	n/d	n/d
Bromobenzene	µg/L	n/d	n/d	n/d
Bromochloromethane	µg/L	n/d	n/d	n/d
Bromomethane	µg/L	n/d	n/d	n/d
Chloroethane	µg/L	n/d	n/d	n/d
Chloromethane	µg/L	n/d	n/d	n/d
cis -1,3-Dichloropropene	µg/L	n/d	n/d	n/d
Dibromomethane	µg/L	n/d	n/d	n/d
Dichlorodifluoromethane	µg/L	n/d	n/d	n/d
Hexachlorobutadiene	µg/L	n/d	n/d	n/d
Isopropylbenzene	µg/L	n/d	n/d	n/d
n-Butylbenzene	µg/L	n/d	n/d	n/d
n-Propylbenzene	µg/L	n/d	n/d	n/d
Naphthalene	µg/L	n/d	n/d	n/d
p-Isopropyltoluene	µg/L	n/d	n/d	n/d
s-Butylbenzene	µg/L	n/d	n/d	n/d
t-Butylbenzene	µg/L	n/d	n/d	n/d
trans -1,3-Dichloropropene	µg/L	n/d	n/d	n/d
Trichlorofluoromethane	µg/L	n/d	n/d	n/d
Nitrobenzene	µg/L	n/d	n/d	n/d
Methyl-tert-butyl-ether	µg/L	n/d	n/d	n/d

RADIONUCLIDES

Gross Alpha	pCi/L	n/d	n/d	n/d	15
Gross Beta	pCi/L	1.6	5.2	n/d	50 ²
Radium 228	pCi/L	0.7	1.4	0.1	5 ³
Tritium	pCi/L	n/d	n/d	n/d	

CUSTOMER TAP⁴

PARAMETER	UNIT OF MEASURE	90th PERCENTILE ⁵	# of SITES ABOVE AL	EPA ACTION LEVEL (AL)
Copper	mg/L	0.12	0 of 69	1.3
Lead	µg/L	<0.002	0 of 69	15

DISTRIBUTION SYSTEM

PARAMETER	UNIT OF MEASURE	YEARLY AVERAGE	MAXIMUM	MINIMUM	EPA LIMIT ¹¹
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BACTERIOLOGICAL

Samples Total Coliform Positive	%/month	0.06	0.50	0	5
Samples <i>E. coli</i> Positive	%/month	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

DISTRIBUTION SYSTEM

PARAMETER	UNIT OF MEASURE	YEARLY AVERAGE	MAXIMUM	MINIMUM	EPA LIMIT ¹¹
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DISINFECTANT & DISINFECTION BYPRODUCTS

Residual Chlorine	mg/L	1.3	2.9	0.08	4 ⁸
Haloacetic Acids (HAA5)	µg/L	49	96	12	60 ¹⁰
Total Trihalomethanes (TTHMs)	µg/L	66	20	115	80 ¹⁰

WSSC TAP WATER ANALYSIS - 2024

LEGENDS

n/d - not detected

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.

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

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.

= equals

> greater than

< less than

¹ - Filtered water, maximum of measurements taken every 15 minutes.

² - EPA considers 50 pCi/L to be the level of concern for beta particles.

³ - The EPA limit of 5 pCi/L applies to combined Radium 226 and 228.

⁴ - Most recent required sampling, between June and September 2023

⁵ - If more than 10% of sites exceed action level, system is required to take additional steps to control corrosiveness of their water.

⁶ - Highest running annual average (RAA)

⁷ - All samples deemed to have detectable disinfectant residual.

⁸ - Maximum residual disinfectant level (MRDL), the highest level of a disinfectant allowed in drinking water; based on RAA.

⁹ - Highest locational running annual average (LRAA)

¹⁰ - Maximum contaminant level based on LRAA.

¹¹ - Shown as maximum contaminant levels (MCL) unless otherwise noted as secondary MCLs (SMCL). MCLs are enforceable health-based standards, whereas SMCLs are non-enforceable guidelines for contaminants that may cause aesthetic effects in drinking water.