

# WSSC TAP WATER ANALYSIS - 2024

| POTOMAC WATER FILTRATION PLANT |                 |                |         |         |                         |
|--------------------------------|-----------------|----------------|---------|---------|-------------------------|
| PARAMETER                      | UNIT OF MEASURE | YEARLY AVERAGE | MAXIMUM | MINIMUM | EPA LIMIT <sup>11</sup> |

## 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 <sup>1</sup> | NTU             | 0.04 | 0.17 | 0.02 | 1.1=1 NTU; <0.3 NTU<br>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 |
|----------------------|------|---------------------------------------------|--|--|----|

## 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 <sup>11</sup> |

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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 <sup>11</sup> |
|---------------------------|-----------------|----------------|---------|---------|-------------------------|
| 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 <sup>2</sup> |
| Radium 228  | pCi/L | 0.7 | 1.4 | 0.1 | 5 <sup>3</sup>  |
| Tritium     | pCi/L | n/d | n/d | n/d |                 |

### CUSTOMER TAP<sup>4</sup>

| PARAMETER | UNIT OF MEASURE | 90th PERCENTILE <sup>5</sup> | # 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 <sup>11</sup> |
|-----------|-----------------|----------------|---------|---------|-------------------------|
|-----------|-----------------|----------------|---------|---------|-------------------------|

### 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 <sup>11</sup> |
|-----------|-----------------|----------------|---------|---------|-------------------------|
|-----------|-----------------|----------------|---------|---------|-------------------------|

### DISINFECTANT & DISINFECTION BYPRODUCTS

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

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## **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

<sup>1</sup> - Filtered water, maximum of measurements taken every 15 minutes.

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

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

<sup>4</sup> - Most recent required sampling, between June and September 2023

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

<sup>6</sup> - Highest running annual average (RAA)

<sup>7</sup> - All samples deemed to have detectable disinfectant residual.

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

<sup>9</sup> - Highest locational running annual average (LRAA)

<sup>10</sup> - Maximum contaminant level based on LRAA.

<sup>11</sup> - 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

| PATUXENT WATER FILTRATION PLANT                                   |                 |                                             |         |         |                                   |
|-------------------------------------------------------------------|-----------------|---------------------------------------------|---------|---------|-----------------------------------|
| PARAMETER                                                         | UNIT OF MEASURE | YEARLY AVERAGE                              | MAXIMUM | MINIMUM | EPA LIMIT <sup>11</sup>           |
| <b><u>GENERAL WATER QUALITY</u></b>                               |                 |                                             |         |         |                                   |
| 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 <sup>1</sup>                                            | NTU             | 0.03                                        | 0.09    | 0.01    | TT=1 NTU; <0.3 NTU<br>95% of time |
| Geosmin                                                           | ng/L            | 1.7                                         | 7.6     | 0       |                                   |
| 2-Methylisoborneol                                                | ng/L            | 6.3                                         | 26.8    | 0       |                                   |
| <b><u>METALS</u></b>                                              |                 |                                             |         |         |                                   |
| 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                                 |
| <b><u>INORGANICS</u></b>                                          |                 |                                             |         |         |                                   |
| 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)                        |
| <b><u>DISINFECTION BYPRODUCT PRECURSOR</u></b>                    |                 |                                             |         |         |                                   |
| Total Organic Carbon                                              | mg/L            | Meets Treatment Technique (TT) Requirements |         |         | TT                                |
| <b><u>ORGANICS</u></b>                                            |                 |                                             |         |         |                                   |
| Haloacetic Acids (HAA5)                                           | µg/L            | 25                                          | 38      | 16      |                                   |
| Total Trihalomethanes (TTHMs)                                     | µg/L            | 26                                          | 45      | 14      |                                   |
| <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                                |
| 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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| PATUXENT WATER FILTRATION PLANT                 |                 |                |         |         |                         |
|-------------------------------------------------|-----------------|----------------|---------|---------|-------------------------|
| PARAMETER                                       | UNIT OF MEASURE | YEARLY AVERAGE | MAXIMUM | MINIMUM | EPA LIMIT <sup>11</sup> |
| 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                       |
| <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            | 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                     |

# WSSC TAP WATER ANALYSIS - 2024

| PATUXENT WATER FILTRATION PLANT |                 |                |         |         |                         |
|---------------------------------|-----------------|----------------|---------|---------|-------------------------|
| PARAMETER                       | UNIT OF MEASURE | YEARLY AVERAGE | MAXIMUM | MINIMUM | EPA LIMIT <sup>11</sup> |
| 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 <sup>2</sup> |
| Radium 228  | pCi/L | 0.6 | 1.8 | 0.1 | 5 <sup>3</sup>  |
| Tritium     | pCi/L | n/d | n/d | n/d |                 |

## CUSTOMER TAP <sup>4</sup>

| PARAMETER | UNIT OF MEASURE | 90th PERCENTILE <sup>5</sup> | # 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 <sup>11</sup> |
|-----------|-----------------|----------------|---------|---------|-------------------------|
|-----------|-----------------|----------------|---------|---------|-------------------------|

## 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 |   |

## WSSC TAP WATER ANALYSIS - 2024

| DISTRIBUTION SYSTEM |                 |                |         |         |                         |
|---------------------|-----------------|----------------|---------|---------|-------------------------|
| PARAMETER           | UNIT OF MEASURE | YEARLY AVERAGE | MAXIMUM | MINIMUM | EPA LIMIT <sup>11</sup> |

### DISINFECTANT & DISINFECTION BYPRODUCTS

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

### 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

<sup>1</sup> - Filtered water, maximum of measurements taken every 15 minutes.

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

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

<sup>4</sup> - Most recent required sampling, between June and September 2023

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

<sup>6</sup> - Highest running annual average (RAA)

<sup>7</sup> - All samples deemed to have detectable disinfectant residual.

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

<sup>9</sup> - Highest locational running annual average (LRAA)

<sup>10</sup> - Maximum contaminant level based on LRAA.

<sup>11</sup> - 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 <sup>11</sup>                       |
| <b><u>GENERAL WATER QUALITY</u></b>                               |                 |                                             |         |         |                                               |
| 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 <sup>1</sup>                                            | NTU             | 0.04                                        | 0.17    | 0.02    | <sup>11</sup> =1 NTU; <0.3 NTU<br>95% of time |
| <b><u>METALS</u></b>                                              |                 |                                             |         |         |                                               |
| 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                                             |
| <b><u>INORGANICS</u></b>                                          |                 |                                             |         |         |                                               |
| 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)                                    |
| <b><u>DISINFECTION BYPRODUCT PRECURSOR</u></b>                    |                 |                                             |         |         |                                               |
| Total Organic Carbon                                              | mg/L            | Meets Treatment Technique (TT) Requirements |         |         | TT                                            |
| <b><u>ORGANICS</u></b>                                            |                 |                                             |         |         |                                               |
| Haloacetic Acids (HAA5)                                           | µg/L            | 23                                          | 47      | 11      |                                               |
| Total Trihalomethanes (TTHMs)                                     | µg/L            | 21                                          | 42      | 9       |                                               |
| <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                                            |
| 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 <sup>11</sup>                       |

## WSSC TAP WATER ANALYSIS - 2024

|                              | 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 <sup>11</sup> |
|---------------------------|-----------------|----------------|---------|---------|-------------------------|
| 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 <sup>2</sup> |
| Radium 228  | pCi/L | 0.7 | 1.4 | 0.1 | 5 <sup>3</sup>  |
| Tritium     | pCi/L | n/d | n/d | n/d |                 |

### CUSTOMER TAP<sup>4</sup>

| PARAMETER | UNIT OF MEASURE | 90th PERCENTILE <sup>5</sup> | # 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 <sup>11</sup> |
|-----------|-----------------|----------------|---------|---------|-------------------------|
|-----------|-----------------|----------------|---------|---------|-------------------------|

### 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 <sup>11</sup> |
|-----------|-----------------|----------------|---------|---------|-------------------------|
|-----------|-----------------|----------------|---------|---------|-------------------------|

### DISINFECTANT & DISINFECTION BYPRODUCTS

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

## 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

<sup>1</sup> - Filtered water, maximum of measurements taken every 15 minutes.

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

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

<sup>4</sup> - Most recent required sampling, between June and September 2023

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

<sup>6</sup> - Highest running annual average (RAA)

<sup>7</sup> - All samples deemed to have detectable disinfectant residual.

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

<sup>9</sup> - Highest locational running annual average (LRAA)

<sup>10</sup> - Maximum contaminant level based on LRAA.

<sup>11</sup> - 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.