

Washington Aqueduct

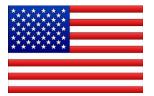
U.S. ARMY Corps of Engineers

Annual Report of Water Analysis 2022

Prepared by:

Water Quality Laboratory Plant Operations Branch Washington Aqueduct 5900 MacArthur Boulevard, NW Washington, D.C. 20016-2514







Potomac River Raw Water Supply

| | Fotoma | | Raw wa | | | nysical Pa | rameters | | | | | | | In | organic lo | ons | | | | | Microor | ganisms | | | |
|------------|-------------|------------|--------------|------------------|------------------|--------------|-------------|----------------|----------------------|------------|-------------------|-----------|------------|------------|-------------|-------------|----------------------|-------------|----------|----------------|------------|--------------------------------------|---------------------------------------|-----------|------------|
| | H | ALKALINITY | CONDUCTIVITY | DISSOLVED SOLIDS | SUSPENDED SOLIDS | TOTAL SOLIDS | TEMPERATURE | TOTAL HARDNESS | TOTAL ORGANIC CARBON | TURBIDITY | TOTAL AMMONIA - N | BROMIDE | CHLORIDE | FLUORIDE | NITRATE - N | NITRITE - N | ORTHOPHOSPHATE - PO4 | PERCHLORATE | SULFATE | TOTAL COLIFORM | E. COLL | <u>GIARDIA</u> Great Falls Intake | CRYPTOSPORIDIUM Great Falls Intake | | |
| | | ppm | uS/cm | ppm | ppm | ppm | ۴ | ppm | ppm | NTU | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppb | ppm | MPN/100mL | MPN/100mL | cysts/L | Oocysts/L | | |
| Jan | 7.6 | 88 | 376 | 208 | 5 | 213 | 38 | 126 | 3.0 | 5 | ND | 0.04 | 54 | 0.13 | 1.8 | ND | ND | ND | 29 | 3946 | 307 | 0.38 | 0.10 | | |
| Feb | 7.9 | 78 | 292 | 180 | 4 | 184 | 42 | 107 | 3.3 | 8 | ND | ND | 32 | 0.12 | 1.9 | ND | ND | ND | 21 | 2054 | 44 | | | | |
| Mar | 8.0 | 85 | 321 | 183 | 3 | 186 | 50 | 108 | 2.3 | 4 | ND | ND | 33 | 0.13 | 1.4 | ND | ND | 0.2 | 22 | 319 | 9 | | | | |
| Apr | 7.8 | 80 | 308 | 129 | 21 | 150 | 56 | 97 | 2.9 | 6 | | ND | 27 | 0.17 | 1.2 | ND | ND | ND | 18 | 1420 | 87 | ND | ND | | |
| Мау | 7.7 | 84 | 270 | 136 | 68 | 204 | 66 | 98 | 4.0 | 9 | ND | ND | 26 | 0.20 | 1.3 | ND | ND | ND | 17 | 8512 | 285 | | | | |
| Jun | 7.9 | 107 | 357 | 198 | 4 | 202 | 77 | 133 | 2.4 | 4 | ND | ND | 32 | 0.23 | 1.2 | ND | ND | | 27 | 7955 | 234 | | | | |
| Jul | 8.0 | 111 | 381 | 223 | 17 | 240 | 82 | 133 | 3.6 | 5 | ND | ND | 37 | 0.19 | 0.9 | ND | ND | 0.2 | 29 | 35256 | 61 | ND | ND | | |
| Aug | 8.3 8.1 | 112 | 407 | 251 | 4 | 255 204 | 82 74 | 143 | 2.7 | 4 | ND ND | ND ND | 34 40 | 0.23 | 0.5 | ND | ND ND | ND | 38 | 8113 | 115 | | | | |
| Sep Oct | 8.3 | 110 117 | 386 403 | 198 264 | 5 | 204 | 60 | 123 140 | 3.2 2.8 | 3 | ND | ND | 40 67 | 0.18 | 0.6 0.9 | ND ND | ND | ND 0.2 | 28 34 | 3648 2041 | 59 35 | 0.46 | 0.09 | | |
| Nov | 8.1 | 116 | 396 | 252 | ND | 252 | 53 | 140 | 3.1 | 4 | 0.07 | ND | 39 | 0.22 | 1.0 | ND | ND | 0.2 | 34 | 2041 | 167 | | | | |
| Dec | 8.0 | 96 | 323 | 229 | 1 | 232 | 42 | 137 | 3.4 | 11 | 0.07 | ND | 32 | 0.24 | 1.8 | ND | ND | 0.2 | 26 | 19638 | 115 | | | | |
| | ALUMINUM | ANTIMONY | ARSENIC | BARIUM | BERYLLIUM | CADMIUM | CALCIUM | CHROMIUM | COBALT | COPPER | IRON | LEAD | ПТНІИМ | MAGNESIUM | MANGANESE | MOLYBDENUM | NICKEL | SELENIUM | SILVER | NUIOS | STRONTIUM | THALLIUM | THORIUM | URANIUM | ZINC |
| | ppb | ррь | ррь | ррь | ррь | ррь | ppm | ррь | ppb | ррь | ррь | ррь | ррь | ppm | ррb | ррь | ррb | ррь | ppb | ppm | ррь | ррb | ррь | ppb | ррь |
| Jan | 421 | ND | ND | 45 | ND | ND | 35 | ND | 0.6 | 2.5 | 671 | 0.8 | 3.5 | 9 | 63 | ND | 1.7 | ND | ND | 39 | 192 | ND | ND | 0.2 | 5.0 |
| Feb | 157 | ND | ND | 32 | ND | ND | 30 | ND | ND | 1.1 | 110 | ND | 2.2 | 8 | 19 | ND | 0.8 | ND | ND | 16 | 165 | ND | ND | ND | 2.4 |
| Mar | 235 | ND | ND | 37 | ND | ND | 31 | ND | 0.3 | 1.6 | 363 | 0.4 | 2.0 | 8 | 30 | ND | 1.4 | ND | ND | 18 | 130 | ND | ND | ND | ND |
| Apr | 896 | ND | ND | 42 | ND | ND | 27 | 3.1 | 1.4 | 3.8 | 1536 | 1.2 | 2.3 | 7 | 112 | ND | 4.3 | ND | ND | 14 | 123 | ND | ND | ND | 7.7 |
| May | 309 | ND | ND | 35 | ND | ND | 27 | ND | 0.7 | 2.6 | 621 | 0.6 | 1.7 | 8 | 64 | ND | 2.9 | ND | ND | 12 | 123 | ND | ND | ND | 4.2 |
| Jun | 264 | ND | ND | 46 | ND | ND | 39 | ND | 0.4 | 1.9 | 426 | 0.5 | 2.5 | 9 | 45 | ND | 1.3 | ND | ND | 13 | 171 | ND | ND | 0.2 | 3.0 |
| Jul | 113 106 | ND ND | ND ND | 44 | ND ND | ND ND | 38 40 | ND ND | 0.3 0.2 | 1.8 | 194 99 | 0.2 ND | 2.6 3.2 | 9 11 | 36 31 | 0.7 0.8 | 1.1 | ND ND | ND ND | 17 18 | 191 224 | ND ND | ND ND | 0.3 | 1.8 0.9 |
| Aug Sep | 422 | ND | ND | 48 35 | ND | ND | 35 | ND | 0.2 | 1.4 2.7 | 689 | ND 1.5 | 1.3 | 9 | 68 | 0.6 | 0.9 2.4 | ND | ND | 18 | 97 | ND | ND | 0.3 ND | 3.6 |
| Oct | 173 | ND | ND | 39 | ND | ND | 40 | ND | 0.0 | 1.7 | 220 | 0.3 | 1.9 | 10 | 43 | 0.0 | 1.0 | ND | ND | 20 | 167 | ND | ND | 0.3 | 2.0 |
| Nov | 64 | ND | ND | 43 | ND | ND | 46 | ND | ND | 1.2 | 50 | ND | 2.9 | 10 | 13 | 0.5 | 0.5 | ND | ND | 19 | 243 | ND | ND | 0.3 | 1.0 |
| Dec | 135 | ND | ND | 41 | ND | ND | 40 | ND | ND | 1.5 | 127 | ND | 2.2 | 9 | 19 | 0.7 | 0.8 | ND | ND | 16 | 209 | ND | ND | ND | 1.8 |
| Perte | Por Million | I | nnh = Parte | | I | ND = Not Dr | | I | | | hable Numbe | | | NTU = Noph | | | | uS/cm = mi | | nor contimot | | "_ " = No A | | | |

ppm = Parts Per Million

ppb = Parts Per Billion ND = Not Detected MPN/100mL = Most Probable Number per 100 milliLiters

NTU = Nephelometric Turbidity Units

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| | | | | Inor | ganic | lons | | | | | | | | | | | | | | | | | Me | tals | | | | | | | | | | | | | |
|---------------------|-------------------|--------------|------------|---------------|-------------|-------------|----------------------|-------------|---------|----------|----------|---------|--------|-----------|-----------------|---------|----------|--------|--------|----------------|------|---------|-----------|-----------|-----------------|------------|--------|-----------|----------|--------|-----------------|-----------|----------|---------|---------|----------|------|
| | TOTAL AMMONIA - N | BROMIDE | CHLORIDE | FLUORIDE | NITRATE - N | NITRITE - N | ORTHOPHOSPHATE - PO4 | PERCHLORATE | SULFATE | ALUMINUM | ANTIMONY | ARSENIC | BARIUM | BERYLLIUM | CADMIUM | CALCIUM | CHROMIUM | COBALT | COPPER | IRON | LEAD | LITHIUM | MAGNESIUM | MANGANESE | MERCURY | MOLYBDENUM | NICKEL | POTASSIUM | SELENIUM | SILVER | NUIDOS | STRONTIUM | THALLIUM | THORIUM | URANIUM | VANADIUM | ZINC |
| EPA MCL* | | | | 4 | 10 | 1 | | | | | 6 | 10 | 2000 | 4 | 5 | | 100 | | | | | | | | 2 | | | | 50 | | | | 2 | | 30 | | |
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppb | ppm | ppb | ppb | ppb | ppb | ppb | ppb | ppm | ppb | ppb | ppb | ppb | ppb | ppb | ppm | ppb | ppb | ppb | ppb | ppm | ppb | ppb | ppm | ppb | ppb | ppb | ppb | ppb | ppb |
| Jan | Daleo | carlia ND | Wate 65 | r Trea 0.5 | itmen | t Plan | nt Fini 2.4 | shed 0.3 | Wate | r 14 | ND | ND | 34 | ND | ND | 35 | ND | ND | 1.2 | ND | ND | 2.6 | 9 | 0.5 | ND | ND | 0.7 | 2.8 | ND | ND | 30 | 176 | ND | ND | ND | ND | 1.1 |
| Feb | 0.8 | ND | 35 | 0.6 | 1.9 | ND | 2.4 | 0.3 | 35 | 31 | ND | ND | 33 | ND | ND | 30 | ND | ND | 1.0 | ND | ND | 1.5 | 8 | 0.7 | ND | ND | 0.7 | | ND | ND | 24 | 166 | ND | ND | ND | ND | 1.2 |
| Mar | 0.8 | ND | 38 | 0.6 | 1.4 | ND | 2.4 | 0.2 | 32 | 17 | ND | ND | 29 | ND | ND | 32 | ND | ND | 0.9 | ND | ND | 1.5 | 7 | 0.4 | ND | ND | 0.6 | | ND | ND | 25 | 132 | ND | ND | ND | ND | 0.6 |
| Apr | | ND | 29 | 0.6 | 1.2 | ND | 2.5 | 0.2 | 34 | 24 | ND | ND | 34 | ND | ND | 29 | ND | ND | 0.9 | ND | ND | 1.7 | 6 | 0.6 | ND | ND | 0.5 | | ND | ND | 20 | 149 | ND | ND | ND | ND | 0.7 |
| Мау | 0.8 | ND | 27 | 0.7 | 1.2 | ND | 2.6 | 0.2 | 34 | 26 | ND | ND | 33 | ND | ND | 26 | ND | ND | 0.8 | ND | ND | 1.7 | 6 | 0.5 | ND | ND | 0.6 | | ND | ND | 23 | 148 | ND | ND | ND | ND | ND |
| Jun | 0.8 | ND | 34 | 0.7 | 1.2 | ND | 2.6 | | 38 | 29 | ND | ND | 39 | ND | ND | 36 | ND | ND | 1.2 | ND | ND | 1.7 | 8 | 0.5 | ND | ND | 0.6 | | ND | ND | 23 | 154 | ND | ND | ND | ND | ND |
| Jul | 0.8 | ND | 36 | 0.6 | 1.1 | ND | 2.5 | 0.3 | 46 | 46 | ND | 0.2 | 40 | ND | ND | 39 | ND | ND | 1.9 | ND | ND | 2.9 | 9 | 0.8 | ND | 0.7 | 0.7 | - | ND | ND | 24 | 181 | ND | ND | ND | ND | ND |
| Aug | 0.8 | ND | 38 | 0.7 | 0.5 | ND | 2.6 | 0.3 | 50 | 64 | ND | 0.4 | 45 | ND | ND | 42 | ND | ND | 1.1 | ND | ND | 2.4 | 9 | 1.0 | ND | 0.8 | 0.7 | | ND | ND | 25 | 232 | ND | ND | ND | 0.7 | ND |
| Sep | 0.8 | ND | 36 | 0.7 | 0.7 | ND | 2.5 | 0.2 | 52 | 95 | ND | 0.4 | 46 | ND | ND | 44 | ND | ND | 0.9 | ND | ND | 2.5 | 9 | 1.3 | ND | 0.9 | 0.7 | | ND | ND | 23 | 257 | ND | ND | ND | 1.0 | ND |
| Oct | 0.7 | ND | 41 | 0.6 | 0.9 | ND | 2.6 | 0.4 | 48 | 29 | ND | ND | 39 | ND | ND | 41 | ND | ND | 1.2 | ND | ND | 1.8 | 10 | 0.5 | ND | 0.8 | 0.7 | | ND | ND | 26 | 215 | ND | ND | ND | ND | ND |
| Nov | 0.8 | ND | 41 | 0.6 | 0.9 | ND | 2.6 | 0.3 | 47 | 51 | ND | 0.2 | 41 | ND | ND | 45 | ND | ND | 1.4 | ND | ND | 1.9 | 10 | 0.6 | ND | 0.6 | 0.5 | | ND | ND | 26 | 245 | ND | ND | ND | ND | 0.8 |
| Dec | 0.9 | ND | 35 | 0.6 | 1.7 | ND | 2.7 | 0.3 | 39 | 24 | ND | ND | 36 | ND | ND | 34 | ND | ND | 1.1 | ND | ND | 1.6 | 10 | 0.5 | ND | 0.6 | 0.5 | | ND | ND | 23 | 193 | ND | ND | ND | ND | 0.6 |
| | McMi | illan V | Vater | Treat | ment | Plant | Finis | hed V | Vater | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jan | 0.8 | ND | 52 | 0.6 | 1.7 | ND | 2.5 | 0.3 | 45 | 23 | ND | ND | 37 | ND | ND | 31 | ND | ND | 5.3 | ND | ND | 2.2 | 9 | ND | ND | ND | 0.6 | 2.7 | ND | ND | 23 | 210 | ND | ND | ND | ND | 1.4 |
| Feb | 0.8 | ND | 44 | 0.6 | 1.9 | ND | 2.5 | 0.3 | 34 | 15 | ND | ND | 28 | ND | ND | 29 | ND | ND | 3.8 | ND | ND | 1.3 | 6 | ND | ND | ND | 0.6 | | ND | ND | 22 | 136 | ND | ND | ND | ND | 0.6 |
| Mar | 0.7 | ND | 37 | 0.6 | 1.4 | ND | 2.4 | 0.2 | 32 | 16 | ND | ND | 28 | ND | ND | 28 | ND | ND | 3.3 | ND | ND | 1.4 | 6 | ND | ND | ND | 0.6 | | ND | ND | 19 | 138 | ND | ND | ND | ND | 0.6 |
| Apr | | ND | 34 | 0.7 | 1.2 | ND | 2.4 | 0.2 | 33 | 52 | ND | ND | 33 | ND | ND | 26 | ND | ND | 3.0 | ND | ND | 1.4 | 5 | ND | ND | ND | 0.5 | | ND | ND | 18 | 150 | ND | ND | ND | ND | 1.7 |
| Мау | 0.8 | ND | 28 | 0.7 | 1.1 | ND | 2.4 | 0.2 | 33 | 55 | ND | ND | 33 | ND | ND | 23 | ND | ND | 2.6 | 40 | ND | 1.6 | 6 | 0.5 | ND | ND | ND | | ND | ND | 18 | 141 | ND | ND | ND | ND | ND |
| | 0.8 | | | | | | | | 38 | | | ND | | | ND | | | | | | | 2.0 | | - | ND | | | | | | | | | | ND | | ND |
| Jul | | | | | | | 2.4 | | | | | 0.2 | | | | | | | | | | 2.4 | | | ND | | | | | | | | | | ND | | ND |
| Aug | | | | | | | 2.4 | | | | | | | | ND | | | | | | | 2.3 | | | ND | | | | | | | | | | ND | | |
| Sep | | | | | | | 2.4 | | | | | 0.3 | | | ND | | | | | | | 2.1 | | | ND | | | | | | | 222 | | | | - | |
| Oct | | ND | | | | | 2.6 | | | | ND | | | | ND | | ND | | | | | 1.7 | | | ND | | | | | ND | 23 | | ND | | | | |
| Nov | | ND | - | 0.6 | | ND | | 0.3 | | | ND | | 40 | | ND ND | | ND | | 7.9 | | | | 8 | | ND ND | | ND | | | ND | | 232 | | | ND | ND | ND |
| Dec EPA MCL* = E | | ND | | | | ND | | 0.3 | | | | ND | | | ND Parts Per | | ND | | 4.4 | ND arts Per | | 1.8 | 9 | | ND ot Detect | | 0.5 | | | | 21 sis Requi | 194 | ND | ND | ND | | ND |

EPA MCL* = Environmental Protection Agency's Maximum Contaminant Level for regulated parameters



| | | | Misce | llanec | ous Ph | nysica | l Para | meters | s | | Micro | oorgar | nisms | | Ha | oacet | ic Aci | ds (HA | AAs) | | Tril | halom | ethan | es (TH | Ms) | | | | | | Vola | atile O | rgani | c Com | poun | ds (VC | DCs) | | | | | |
|--------------|----------|------------|--------------|-------------|----------|----------------|----------------------|------------------------|------------------------|----------------------|-----------------------------|-----------------------------|---------------------------|--------------------|---------------------|----------------------|-----------------------|----------------------|------------------------|------------------------|------------|----------------------|----------------------|------------|-----------------------|---------|--------------|--------------------|--------------|-------------------|------------------|----------------|----------------------|---------------|--------------|---------------|-----------------|-----------------|----------------|---------------------|---------------------|---------------------|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Hd | ALKALINITY | CONDUCTIVITY | TEMPERATURE | CHLORINE | TOTAL HARDNESS | TOTAL ORGANIC CARBON | TOTAL DISSOLVED SOLIDS | TOTAL SUSPENDED SOLIDS | TURBIDITY (Average)* | TOTAL COLIFORM (% positive) | <u>E. COLI</u> (% positive) | HETEROTROPHIC PLATE COUNT | DIBROMOACETIC ACID | DICHLOROACETIC ACID | MONOBROMOACETIC ACID | MONOCHLOROACETIC ACID | TRICHLOROACETIC ACID | TOTAL HALOACETIC ACIDS | BROMOCHLOROACETIC ACID | CHLOROFORM | BROMODICHLOROMETHANE | CHLORODIBROMOMETHANE | BROMOFORM | TOTAL TRIHALOMETHANES | BENZENE | BROMOBENZENE | BROMOCHLOROMETHANE | BROMOMETHANE | tert-BUTYLBENZENE | sec-BUTYLBENZENE | n-BUTYLBENZENE | CARBON TETRACHLORIDE | CHLOROBENZENE | CHLOROETHANE | CHLOROMETHANE | 2-CHLOROTOLUENE | 4-CHLOROTOLUENE | DIBROMOMETHANE | 1,3-DICHLOROBENZENE | 1,4-DICHLOROBENZENE | 1,2-DICHLOROBENZENE |
| EPA MCL* | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | | | | | | 5 | 100 | | | | | | ┢──┤ | 75 | 600 |
| Units | | ppm | uS/cm | °F | ppm | ppm | ppm | ppm | ppm | NTU | %+ | %+ | CFU/ml | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| | | pp | 40,011 | | ppm | pp | ppm | pp | ppm | | 701 | 701 | | 662 | 662 | 662 | PPS | pp. | pps | 662 | pp. | 662 | pp. | 660 | 662 | 662 | 662 | ppo | PPP | 662 | 662 | 662 | 662 | 662 | 662 | 662 | 992 | 662 | PPD | 662 | PPo | pp2 |
| | Dale | carli | a Wat | ter T | reatn | nent | Plant | Finis | shed | Wate | ər | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jan | 7.7 | 86 | 406 | 43 | 3.6 | 1 | 1 | 255 | 1 | 1 | 0.0 | 0.0 | <1 | | | | | | | | 7.8 | 6.0 | 1.9 | ND | 16 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Feb | 7.7 | 75 | 326 | 45 | 3.7 | 107 | 1.9 | 190 | ND | 0.02 | 0.0 | 0.0 | 4 | ND | 8.0 | ND | ND | 7.7 | 16 | 1.2 | 9.7 | 3.5 | ND | ND | 13 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Mar | 7.7 | 82 | 349 | 53 | 3.5 | 107 | 1.6 | 211 | ND | 0.02 | 0.0 | 0.0 | <1 | | | | | | | | 14.8 | 8.1 | 1.8 | ND | 25 | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Apr | 7.7 | 75 | 315 | 59 | 3.1 | 98 | 1.7 | 157 | ND | 0.03 | 0.0 | 0.0 | <1 | | | | | | | | 24.2 | 7.1 | 1.0 | ND | 32 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Мау | 7.7 | 79 | 304 | 67 | 3.5 | 91 | 2.0 | 167 | 1 | 0.03 | 0.0 | 0.0 | 1 | ND | 13.7 | ND | 1.8 | 19.3 | 35 | 1.4 | 23.5 | 4.3 | ND | ND | 28 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Jun | 7.7 | 102 | 382 | 78 | 3.7 | 121 | 1.9 | 210 | ND | 0.02 | 0.0 | 0.0 | 2 | | | | | | | | 30.6 | 11.0 | 2.6 | ND | 44 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Jul | 7.7 | 102 | 397 | 83 | 3.7 | 132 | 2.4 | 218 | ND | 0.02 | 0.0 | 0.0 | 9 | | | | | | | | 43.4 | 11.2 | 1.7 | ND | 56 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Aug | 7.7 | 106 | 413 | 83 | 3.8 | 142 | 2.1 | 270 | ND | 0.03 | 0.0 | 0.0 | 6 | ND | 18.1 | ND | 1.9 | 20.8 | 41 | 5.3 | 43.4 | 17.8 | 4.5 | ND | 66 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Sep | 7.7 | 103 | 408 | 76 | 3.7 | 145 | 2.1 | 260 | ND | 0.03 | 0.0 | 0.0 | 25 | | | | | | | | 29.2 | 15.2 | 4.3 | ND | 49 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Oct | 7.7 | 108 | 422 | 62 | 3.7 | 142 | 2.0 | 265 | ND | 0.03 | 0.0 | 0.0 | 2 | | | | | | | | 23.0 | 12.5 | 2.9 | ND | 38 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Nov | 7.7 | 111 | 442 | 55 | 3.7 | 154 | 2.0 | 264 | ND | 0.03 | 0.0 | 0.0 | 2 | ND | 10.6 | ND | 1.0 | 11.1 | 23 | 4.2 | 25.6 | 15.2 | 4.4 | ND | 45 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Dec | 7.7 | 94 | 365 | 47 | 3.6 | 123 | 2.0 | 235 | ND | 0.03 | 0.0 | 0.0 | 1 | | | | | | | | 14.0 | 9.0 | 2.7 | ND | 26 | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND |
| | | | | • | • | | | • | | • | | • | | • | • | | | | | | | | | | | • | | • | | | | | | | | | | | • | | | |
| | McM | lillan | Wate | er Tre | eatm | ent P | lant | Finisl | hed \ | Water | r | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jan | 7.7 | 88 | 397 | 41 | 3.5 | 131 | 1.5 | 219 | ND | 0.02 | 0.0 | 0.0 | <1 | | | | | | | | 7.6 | 6.2 | 1.9 | ND | 16 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Feb | 7.7 | 67 | 346 | 42 | 3.5 | 99 | 1.7 | 214 | ND | 0.02 | 0.0 | 0.0 | <1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Mar | 7.7 | 73 | 328 | 47 | 3.3 | 104 | 1.5 | 169 | ND | 0.02 | 0.0 | 0.0 | <1 | | | | | | | | 15.2 | 7.9 | 1.9 | ND | 25 | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Apr | 7.7 | 70 | 315 | 51 | 3.1 | 96 | 1.7 | 179 | ND | 0.03 | 0.0 | 0.0 | <1 | | | | | | | | 25.3 | 8.5 | 1.7 | ND | 36 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Мау | 7.7 | 74 | 304 | 58 | 3.5 | | | 206 | | 0.03 | | 0.0 | <1 | ND | 11.1 | ND | 1.6 | 17.3 | 30 | 2.6 | 23.1 | | 1.8 | ND | 34 | ND | | ND | ND | ND | ND | | | ND | | ND | ND | ND | ND | | | ND |
| Jun | 7.7 | 89 | 361 | 66 | 3.7 | 117 | 1.7 | 193 | ND | 0.03 | 0.0 | 0.0 | <1 | | | | | | | | 35.6 | 11.9 | 2.7 | ND | 50 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Jul | 7.7 | 94 | 389 | 70 | 3.6 | 130 | 2.0 | 239 | 1 | 0.03 | 0.0 | 0.0 | 2 | | | | | | | | 35.5 | 12.4 | 3.1 | ND | 51 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Aug | 7.7 | 97 | 399 | 71 | 3.7 | 137 | 1.9 | 254 | ND | 0.03 | 0.0 | 0.0 | 7 | ND | 17.7 | ND | 1.9 | 16.5 | 36 | 5.4 | 43.1 | 17.2 | 5.3 | ND | 66 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Sep | 7.7 | 93 | 389 | 68 | 3.7 | 127 | 2.1 | 225 | ND | 0.03 | 0.0 | 0.0 | 4 | | | | | | | | 34.3 | 15.2 | 4.1 | ND | | _ | | | | | | | | | | | | | | | ND | ND |
| Oct | 7.7 | 98 | 411 | 62 | 3.7 | 137 | 1.9 | 267 | ND | 0.03 | 0.0 | 0.0 | 3 | | | | | | | | | - | | | 36 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Nov | 7.7 | 109 | 448 | 61 | 3.7 | 153 | 1.8 | 255 | ND | 0.05 | 0.0 | 0.0 | 2 | ND | 11.5 | ND | 1.1 | 10.9 | 24 | 3.8 | 30.1 | 14.7 | 4.4 | ND | 49 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Dec | 7.7 | 90 | 378 | 51 | 3.5 | 126 | 2.0 | 224 | ND | 0.03 | 0.0 | 0.0 | <1 | | | | | | | | 15.1 | 9.3 | 2.9 | ND | 27 | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND |
| EPA MCL* = E | Invironm | nental P | rotectio | on Agen | cy's Ma | aximum | Contan | ninant L | evel for | r regulat | ted para | meters | | | ppm = | Parts P | er Millio | on | | | | ppb = | Parts Pe | er Billior | ۱ | | | | | ND = N | ot Dete | ted | | | | "" = 1 | No Anal | ysis Re | quired | | Page | e 3 of 7 |

EPA MCL* = Environmental Protection Agency's Maximum Contaminant Level for regulated parameters "-" = McMillan Water Treatment Plant out of service

Turbidity* = Water turbidity after filters

ppb = Parts Per Billion CFU/mL = Colony Forming Units per milliLiter

NTU = Nephelometric Turbidity Units

"---" = No Analysis Required Page 3 of 7 µS/cm = microSiemens per centimeter



| | | | | | | | | | | | | | | | ١ | /olati | le Orç | ganic | Com | pound | ls | | | | | | | | | | | | | | | | | 0 | xyger | ates | & Oth | er VO | Cs | | |
|---------------|-------------------------|--------------------|--------------------|----------------------------|--------------------------|----------------------|---------------------|---------------------|---------------------|----------------------------|-------------------------|---------------------|--------------|---------------------|------------------|--------------------|--------------------|-------------|-----------------|---------|---------------------------|---------------------------|---------------------|---------|------------------------|------------------------|-----------------------|-----------------------|-------------------|------------------------|------------------------|------------------------|------------------------|---------------|----------------|------------------|------------------|-----------------------------|--------------------|--------------------------------|------------------------------|-------------------------------|-------------|------------------|--------------------------|
| | DICHLORODIFLUOROMETHANE | 1,1-DICHLOROETHANE | 1,2-DICHLOROETHANE | trans-1,2-DICHLOROETHYLENE | cis-1,2-DICHLOROETHYLENE | 1,1-DICHLOROETHYLENE | 1,3-DICHLOROPROPANE | 2,2-DICHLOROPROPANE | 1,2-DICHLOROPROPANE | trans-1, 3-DICHLOROPROPENE | cis-1,3-DICHLOROPROPENE | 1,1-DICHLOROPROPENE | ETHYLBENZENE | HEXACHLOROBUTADIENE | ISOPROPYLBENZENE | 4-ISOPROPYLTOLUENE | METHYLENE CHLORIDE | NAPHTHALENE | n-PROPYLBENZENE | STYRENE | 1,1,1,2-TETRACHLOROETHANE | 1,1,2,2-TETRACHLOROETHANE | TETRACHLOROETHYLENE | TOLUENE | 1,2,3-TRICHLOROBENZENE | 1,2,4-TRICHLOROBENZENE | 1,1,1-TRICHLOROETHANE | 1,1,2-TRICHLOROETHANE | TRICHLOROETHYLENE | TRICHLOROFLUOROMETHANE | 1,2,3-TRICHLOROPROPANE | 1,2,4-TRIMETHYLBENZENE | 1,3,5-TRIMETHYLBENZENE | TOTAL XYLENES | VINYL CHLORIDE | 2-BUTANONE (MEK) | 2-HEXANONE (MBK) | 4-METHYL-2-PENTANONE (MIBK) | DI-ISOPROPYL ETHER | МЕТНҮL ТЕRT-ВИТҮL ЕТНЕR (МТВЕ) | TERT-AMYL ETHYL ETHER (TAME) | ТЕКТ-ВИТҮL ЕТНҮL ЕТНЕК (ТВЕЕ) | BROMOETHANE | CARBON DISULFIDE | TRICHLOROTRIFLUOROETHANE |
| EPA MCL* | | | 5 | 100 | 70 | 7 | | | 5 | | | | 700 | | | | 5 | | | 100 | | | 5 | 1000 | | 70 | 200 | 5 | 5 | | | | | 10,000 | 2 | | | | | | | | | \rightarrow | |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| | Dale | ecarl | ia Wa | ater ⁻ | Treat | tmen | t Pla | ant Fi | inish | ned V | Vater | r | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jan | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | ND |
| Feb | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | - | | - | | | | | | | |
| Mar | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | - | | - | | | | | | | |
| Apr | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | ND |
| Мау | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | - | | - | | | | | | | |
| Jun | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | | | | | | | | | |
| Jul | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | | | | | | | | | |
| Aug | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | ND | | ND | ND | |
| Sep | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | | | | | | | | | |
| Oct | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | - | ND | ND | ND | ND | ND | ND | ND |
| Nov | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | | | | | | | | | |
| Dec | | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | ND | - | ND | ND | ND | ND | ND | | | | | | | | | | |
| | | A :11 | | . | | | Dia | | | | | | • | | | | | | • | | | • | | • | | | • | | | | | | | • | • | | | | | | | • | | + | |
| lan | ND | ND | ND | ND | | nent ND | - | 1 | 1 | ND | 1 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | ND |
| Jan Feb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | טא | | | - | | | |
| Mar | - ND | - ND | - ND | - ND | - ND | - ND | - ND | - ND | - ND | - ND | - ND | - ND | - ND | - ND | - ND | - ND | - ND | - ND | - ND | - ND | - ND | - ND | - ND | - ND | - ND | - ND | - ND | - ND | - ND | - ND | - ND | - ND | - ND | - ND | - ND | - | | | - | | - | - | - | | - |
| | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | ND | ND | | ND | | ND | ND | ND | | ND | ND | | ND |
| Apr May | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | ND | ND | ND | | ND | ND | ND | ND | ND | | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | | ND | ND | | | ND | ND | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jun Jul | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ND ND | | | | | | | | | | | |
| Aug | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ND | |
| Sep | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ND | | | | | | | | | | | |
| Oct | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ND | | | | | | | | | | ND | ND |
| Nov | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ND | | | | | | | | | ND | | |
| Dec | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ND | | | | | | | | | | | |
| EPA MCI * = E | | | | | | | | 1 | | | | | | | | | | | <i>.</i> | | Parte P | | | | | | | lot Dete | | | | | | "" = 1 | | | | | | | | | | | |

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ND = Not Detected
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"---" = No Analysis Required



| | | 0 | | | | | | | | | | | | | 0 | 0 | | | s | synthe | etic O | rganio | : Com | pound | ds | | | | | | | | | | | | | | | r | | | |
|---------------------|--------------|----------------|------------|-------------|----------|----------|------------------|--------------------|--------|------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------------|----------|--------|----------|-------------------|----------------------|----------------------|----------------|----------------------|------------|----------|-----------|----------|-----------|----------------------|----------|----------|------------|-----------------|-----------------|-----------|------------------------|-----------------|-----------|----------------|----------|
| | ACENAPHTHENE | ACENAPHTHYLENE | ACETOCHLOR | ACIFLUORFEN | ALACHLOR | ALDICARB | ALDICARB SULFONE | ALDICARB SULFOXIDE | ALDRIN | ANTHRACENE | AROCHLOR 1016 (PCBs) | AROCHLOR 1221 (PCBs) | AROCHLOR 1232 (PCBs) | AROCHLOR 1242 (PCBs) | AROCHLOR 1248 (PCBs) | AROCHLOR 1254 (PCBs) | AROCHLOR 1260 (PCBs) | TOTAL PCBs | ATRAZINE | BAYGON | BENTAZON | BENZ(a)ANTHRACENE | BENZO(b)FLUORANTHENE | BENZO(g,h,l)PERYLENE | BENZO(a)PYRENE | BENZO(K)FLUORANTHENE | alpha-BHC | beta-BHC | delta-BHC | BROMACIL | BUTACHLOR | BUTYLBENZYLPHTHALATE | CAFFEINE | CARBARYL | CARBOFURAN | alpha-CHLORDANE | gamma-CHLORDANE | CHLORDANE | CHLORPYRIFOS (DURSBAN) | CHLOROBENZILATE | CHLORONEB | CHLOROTHALONIL | CHRYSENE |
| | | | - | | 2 | | | - | | | | | | | | | | 0.5 | 3 | | | | | | 0.2 | | | | | | | | | | 40 | | | 2 | | - | | | |
| EPA MCL* Units | nnh | ppb | ppb | nnh | 2 ppb | nnh | ppb | nnh | ppb | ppb | nnh | ppb | ppb | nnh | nnh | ppb | ppb | | | nnh | nnh | nnh | nnh | ppb | | nnh | ppb | nnh | ppb | nnh | nnh | ppb | nnh | nnh | 40 ppb | nnh | ppb | 2 ppb | ppb | ppb | nnh | ppb | ppb |
| Units | ppb | hhp | hhp | ppb | hhp | ppb | hhp | ppb | hhn | hhn | ppb | hhn | hhn | ppb | ppb | hhn | hhn | ppb | ppb | ppb | ppb | ppb | ppb | hhp | ppb | ppb | hhp | ppb | hhp | ppb | ppb | hhn | ppb | ppb | hhn | ppb | hhp | hhn | hhp | hhp | ppb | hhn | hhn |
| | Dale | carli | ia Wa | iter T | reat | ment | Plar | nt Fin | ishe | d Wa | ter | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jan | ND | ND | ND | ND | ND | 1 | 1 | ND | | | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Feb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mar | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Apr | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Мау | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jun | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jul | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.2 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Aug | | | | | | | | | | | | | | | - | - | | | | | | | | | | | | | | | | | | | | | - | | | | | | |
| Sep | | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oct | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Nov | | ł | | | | | | | | | | | | | ł | ł | - | | | | | | | | | | | | | | | | | | 1 | | ł | | | | | | |
| Dec | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | McN | lillan | Wat | er Tr | - | 1 | 1 | | | | | | | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | | | | | | | | | 1 | | | | |
| Jan | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Feb | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Mar | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Apr | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Мау | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jun | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jul | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ND | | | | | |
| Aug | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sep | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oct | ND | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ND | | | | | |
| Nov | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dec EPA MCL* = E | | | | | | | | | | | | | | | | | | | | | | Per Billio | | | | | ND = N | | | | | | | | | | equired | | | | | | |

EPA MCL* = Environmental Protection Agency's Maximum Contaminant Level for regulated parameters "." = McMillan Water Treatment Plant out of service



| | | | | | | | | | | | | | | | | | | | 5 | Synthe | etic O | rganio | : Com | pound | ds | | | | | | | | | | | | | | | | | | |
|------------|---------|---------|----------|------------------------------|----------|----------|----------|----------|----------|----------|-----------------------|---------|--------------------------|-------------|-------------------|----------|------------------|--------------------------|----------------------------|------------|-------------------|---------------------|---------------------|--------------------|--------------------|----------|--------|-----------|--------|-----------------|------|--------------|----------|------------|------------|--------------------|-------------------|---------------------------|---------------------|-------------------------|--------------------|---------|----------------------|
| | 2,4-D | DALAPON | 2,4-DB | DCPA MONO & DIACID DEGRADATE | 2,4'-DDD | 2,4'-DDE | 2,4'-DDT | 4,4'-DDD | 4,4'-DDE | 4,4'-DDT | DIBENZ(a,h)ANTHRACENE | DICAMBA | 3,5-DICHLOROBENZOIC ACID | DICHLORPROP | DICHLORVOS (DDVP) | DIELDRIN | DIETHYLPHTHALATE | di-(2-ETHYLHEXYL)ADIPATE | di-(2-ЕТНҮСНЕХҮС)РНТНАСАТЕ | DIMETHOATE | DIMETHYLPHTHALATE | DI-N-BUTYLPHTHALATE | DI-N-OCTYLPHTHALATE | 2,4-DINITROTOLUENE | 2,6-DINITROTOLUENE | DINOSEB | DIQUAT | ENDOTHALL | ENDRIN | ENDRIN ALDEHYDE | EPTC | FLUORANTHENE | FLUORENE | GLYPHOSATE | HEPTACHLOR | HEPTACHLOR EPOXIDE | HEXACHLOROBENZENE | HEXACHLOROCYCLOPENTADIENE | 3-HYDROXYCARBOFURAN | INDENO(1,2,3,c,d)PYRENE | ISOPHORONE | LINDANE | ENDOSULFAN I (alpha) |
| EPA MCL* | 70 | 200 | - | | | | | | | | | | | | | | | 400 | 6 | | | | | | | 7 | 20 | 100 | 2 | | | | | 700 | 0.4 | 0.2 | 1 | 50 | | ┼── | $\left - \right $ | 0.2 | |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | , ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| | L | 1 | | | 1 | | 1 | 1 | 1 | | | | 1 | | | | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | 1 | | 1 | | | 1 | | | | | <u> </u> | 1 | L | <u> </u> | | |
| | Dale | ecarl | ia Wa | iter T | reat | ment | t Plai | nt Fir | nishe | d Wa | iter | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jan | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Feb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mar | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Apr | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Мау | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jun | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jul | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Aug | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sep | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oct | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Nov | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dec | | | | - | | | | | | | | | | | | | | | | | | | | | | | | | - | | | - | | | - | | | | | | | | |
| | | | | | | | • | • | | | | | • | | | | • | • | • | | • | • | | • | • | • | | • | | | | | • | | | | | | | - | | | |
| | McN | Millar | wat | er Tr | eatm | nent | Plan | t Fini | shed | l Wat | er | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jan | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Feb | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Mar | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Apr | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Мау | | | | | | | | | | | - | | | | | | | | | | | | | | | | | | 1 | | | 1 | | | 1 | | | - | | | | 1 | |
| Jun | | | | | | | | | | | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jul | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Aug | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sep | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oct | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Nov | | | | 1 | | | | | | | - | | | | | | | | | | | | | | | | | | 1 | | | 1 | | | 1 | | | - | | | | 1 | |
| Dec | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EPA MCL* = | Environ | mental | Protecti | on Age | ncy's N | laximui | m Cont | aminan | t Level | for regu | lated p | aramet | ers | | | | | | | ppb = | Parts P | er Billio | on | | | _ | ND = N | lot Dete | cted | | | | | "" = | No Ana | lysis Re | equired | | | _ | _ | n. | |

EPA MCL* = Environmental Protection Agency's Maximum Contaminant Level for regulated parameters

"-" = McMillan Water Treatment Plant out of service



| | | | | | | | | | | | | | Syn | thetic | Orga | nic Co | mpou | inds | | | | | | | | | | | | | N | liscell | aneou | IS | | | I | Nitrosa | amine | S | | |
|--------------------------------|----------------------|--------------------|-----------|------------|-------------|--------------|---------------------|-------------|------------|----------|------------|-----------------|--------|----------|-----------|---------------|------------|-------------------|--------------|----------|------------|----------|----------|----------|----------------|-------------|-------------|-----------|---------|-------------------|-----------------------------|--------------------------|---------|-----------------------|-------------------------------|--------------------------------|------------------------------|------------------------------|----------------------------------|----------------------------|---------------------|----------------------------|
| | ENDOSULFAN II (beta) | ENDOSULFAN SULFATE | MALATHION | METHIOCARB | МЕТНОМҮL | METHOXYCHLOR | 1-METHYLNAPHTHALENE | METOLACHLOR | METRIBUZIN | MOLINATE | 1-NAPHTHOL | trans-NONACHLOR | OXAMYL | PARAQUAT | PARATHION | PENDIMETHALIN | PERMETHRIN | PENTACHLOROPHENOL | PHENANTHRENE | PICLORAM | PROPACHLOR | PYRENE | SIMAZINE | TERBACIL | TERBUTHYLAZINE | THIOBENCARB | TRIFLURALIN | TOXAPHENE | 2,4,5-Т | 2,4,5-TP (SILVEX) | DIBROMOCHLOROPROPANE (DBCP) | ETHELYNE DIBROMIDE (EDB) | CVANIDE | 2,3,7,8-TCDD (DIOXIN) | N-NITROSODIMETHYLAMINE (NDMA) | N-NITROSO-n-PROPYLAMINE (NDPA) | N-NITROSODIBUTYLAMINE (NDBA) | N-NITROSODIETHYLAMINE (NDEA) | N-NITROSOMETHYLETHYLAMINE (NMEA) | N-NITROSOPYROLIDINE (NPYR) | N-NITROSOMORPHOLINE | N-NITROSOPIPERIDINE (NPIP) |
| EPA MCL* | | | | | | 40 | | | | | | | 200 | | | | | 1 | | 500 | | | 4 | | | | | 3 | | 50 | 200 | 50 | 0.2 | 30 | | | | | | | | |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppt | ppt | ppm | ppq | ppt | ppt | ppt | ppt | ppt | ppt | ppt | ppt |
| Jan | Dale ND | carli | a Wat | ter T | reatn ND | 1 | Plant | Finis | shed ND | Wate | ər | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Feb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ND | | | | | | | | | |
| Mar | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Apr | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Мау | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jun | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jul | ND | ND | ND | ND | ND | ND | | 0.2 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | | |
| Aug | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sep | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ND | | | | | | | | | |
| Oct | ND | ND | ND | ND | ND | ND | | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |
| Nov | | | | 1 | I | | | | | | | | - | | | | | | 1 | | - | - | | | | | | | | | | | | | | 1 | | | | | | |
| Dec | | | | I | ł | | | | - | | | | ł | ł | ł | 1 | 1 | | I | - | ł | ł | I | - | | 1 | | | - | | I | | 1 | | 1 | I | | | - | | | |
| | - | 1 | Wate | | | 1 | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jan Eeb | ND | ND | ND | ND | ND - | ND | | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND - | ND | ND | ND | ND | ND | ND | ND | ND - |
| Feb Mar | - | | - | - | - | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | - | - | - | - | - | | | | - | | | - | - | - | - | - | - | - |
| _ | ND | ND | ND | ND | ND | ND | | ND | | ND | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | ND | ND | | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND |
| Apr May | ND | | ND | ND | | ND | | ND | ND | | ND | ND | ND | ND | | ND | ND | | ND | ND | ND | ND | ND | | ND | ND | ND | | | ND | | ND | | ND | | ND | | ND | ND | ND | | |
| Jun | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jul | ND | | ND | | | | | 0.08 | | | | | | | - | | | | | | | | | | | | | ND | | | | | | | | | | ND | | | | |
| Aug | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ND | | | | | | | | |
| Sep | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ND | | | | | | | | | |
| Oct | ND | ND | ND | ND | ND | ND | | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | | |
| Nov | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dec | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EPA MCL* = E "-" = McMillan | | | | - | - | | Contarr | ninant L | evel for | regulat | ted para | meters | | ppm = | Parts P | er Millio | n (mg/L |) | ppb = I | Parts Pe | r Billior | ו (µg/L) | | ppt = P | arts Per | Trillion | n (ng/L) | | ppq = F | Parts Pe | r Quadı | illion (p | og/L) | ND = N | ot Dete | cted | = No | o Analys | sis Requ | uired | Pag | e 7 of 1 |