

# Munster Well System - 2024 Drinking Water Quality

Physical, Microbiological, Chemical, & Radiological test results

## Physical

| Test Parameter   | units  | Treated water results | Drinking water standard* |
|------------------|--------|-----------------------|--------------------------|
| Colour           | TCU    | 0.8                   | 5 (A)                    |
| Turbidity        | NTU    | 0.40                  | 5 (A)                    |
| Temperature      | °C     | 10.3                  | <15 (A)                  |
| Conductivity     | µS/cm  | 895                   |                          |
| UV254 absorbance | abs/cm | 0.016                 |                          |

## Microbiological

| Test Parameter                  | units     | Treated water results | Drinking water standard* |
|---------------------------------|-----------|-----------------------|--------------------------|
| Total Coliforms                 | cfu/100mL | 0 of 92 tests >0      | 0                        |
| E.coli                          | cfu/100mL | 0 of 92 tests >0      | 0                        |
| Heterotrophic Plate Count (HPC) | cfu/mL    | <10                   | 500 (O)                  |

## Chemical – general

| Test Parameter  | units                  | Treated water results | Drinking water standard*    |
|-----------------|------------------------|-----------------------|-----------------------------|
| pH              | log <sub>10</sub>      | 7.60                  | <sup>2</sup> 7.0 - 10.5 (O) |
| Alkalinity      | mg/L CaCO <sub>3</sub> | 276                   | 30 - 500 (O)                |
| Bromate         | mg/L                   | <                     | 0.01                        |
| Bromide         | mg/L                   | 0.069                 |                             |
| Calcium         | mg/L                   | 59.7                  |                             |
| Chlorate        | mg/L                   | 0.10                  | 1.0                         |
| Chloride        | mg/L                   | 82.3                  | 250 (A)                     |
| Chlorine (free) | mg/L                   | 1.22                  | >0.05 <sup>3</sup>          |
| Chlorite        | mg/L                   | <                     | 1.0                         |
| Cyanide         | mg/L                   | <                     | 0.2                         |
| Fluoride        | mg/L                   | 0.64                  | 1.5                         |
| Lithium         | mg/L                   | 0.0458                |                             |
| Magnesium       | mg/L                   | 31.8                  |                             |
| Potassium       | mg/L                   | 5.4                   |                             |

| Test Parameter           | units                  | Treated water results | Drinking water standard* |
|--------------------------|------------------------|-----------------------|--------------------------|
| Silicon                  | mg/L                   | 4.5                   |                          |
| Sodium                   | mg/L                   | 79.7                  | <sup>5</sup> 20, 200 (A) |
| Sulphate                 | mg/L                   | 71.2                  | 500 (A)                  |
| Total Hardness**         | mg/L CaCO <sub>3</sub> | 280.1                 | 80 - 100 (A)             |
| Calcium Hardness**       | mg/L CaCO <sub>3</sub> | 149.0                 |                          |
| Magnesium Hardness**     | mg/L CaCO <sub>3</sub> | 131.1                 |                          |
| Ammonia                  | mg/L N                 | <                     |                          |
| Total Kjeldahl Nitrogen  | mg/L N                 | 0.07                  |                          |
| Nitrate                  | mg/L N                 | 0.03                  | 10                       |
| Nitrite                  | mg/L N                 | <                     | 1                        |
| Dissolved Organic Carbon | mg/L                   | 1.15                  | 5 (A)                    |

### Chemical - inorganic metals

| Test Parameter           | units | Treated water results | Drinking water standard*                   |
|--------------------------|-------|-----------------------|--|
| Aluminum                 | mg/L  | 0.0012                | <sup>2</sup> 2.9/0.1 (O)                   |
| Antimony                 | mg/L  | <                     | 0.006                                      |
| Arsenic                  | mg/L  | <                     | 0.010                                      |
| Barium                   | mg/L  | 0.0766                | 1  |
| Beryllium                | mg/L  | <                     |  |
| Bismuth                  | mg/L  | <                     |  |
| Boron                    | mg/L  | 0.4338                | 5  |
| Cadmium                  | mg/L  | <                     | 0.005                                      |
| Chromium                 | mg/L  | <                     | 0.05                                       |
| Chromium VI <sup>6</sup> | mg/L  | 0.0001                |  |
| Cobalt                   | mg/L  | 0.0002                |  |
| Copper                   | mg/L  | 0.0033                | <sup>2</sup> 2, <sup>3</sup> 1 (A)         |
| Iron                     | mg/L  | 0.2284                | <sup>2</sup> 0.1 (A)/ <sup>3</sup> 0.3 (A) |
| Lead                     | mg/L  | <                     | <sup>2</sup> 0.005 / <sup>3</sup> 0.01     |
| Manganese                | mg/L  | 0.0088                | <sup>2</sup> 0.12 / <sup>3</sup> 0.05(A)   |
| Mercury                  | mg/L  | <                     | 0.001                                      |
| Molybdenum               | mg/L  | 0.0010                |  |
| Nickel                   | mg/L  | 0.0008                |  |
| Selenium                 | mg/L  | <                     | 0.05                                       |
| Silver                   | mg/L  | <                     |  |
| Strontium                | mg/L  | 3.351                 | 7  |
| Thallium                 | mg/L  | <                     |  |
| Tin                      | mg/L  | <                     |  |

| Test Parameter | units | Treated water results | Drinking water standard* |
|----------------|-------|-----------------------|--------------------------|
| Titanium       | mg/L  | 0.0006                |                          |
| Tungsten       | mg/L  | <                     |                          |
| Uranium        | mg/L  | 0.0004                | 0.02                     |
| Vanadium       | mg/L  | <                     |                          |
| Zinc           | mg/L  | <                     | 5 (A)                    |
| Zirconium      | mg/L  | <                     |                          |

### Chemical – organics

| Test Parameter                              | units | Treated water results | Drinking water standard* |
|---|-------|-----------------------|--------------------------|
| 1,1,1 -Trichloroethane                      | µg/L  | <                     |                          |
| 1,1,1,2-Tetrachloroethane                   | µg/L  | <                     |                          |
| 1,1,2 -Trichloroethane                      | µg/L  | <                     |                          |
| 1,1,2,2-Tetrachloroethane                   | µg/L  | <                     |                          |
| 1,1-Dichloroethane                          | µg/L  | <                     |                          |
| 1,1-Dichloroethylene                        | µg/L  | <                     | 14                       |
| 1,1-Dichloropropene                         | µg/L  | <                     |                          |
| 1,2,3-Trichlorobenzene                      | µg/L  | <                     |                          |
| 1,2,3-Trichloropropane                      | µg/L  | <                     |                          |
| 1,2,4-Trichlorobenzene                      | µg/L  | <                     |                          |
| 1,2,4-Trimethylbenzene                      | µg/L  | <                     |                          |
| 1,2-Dibromo-3-chloropropane / DBCP          | µg/L  | <                     |                          |
| 1,2-Dichlorobenzene                         | µg/L  | <                     | 200, 3(A)                |
| 1,2-Dichloroethane                          | µg/L  | <                     | 5                        |
| 1,2-Dichloroethylene - cis                  | µg/L  | <                     |                          |
| 1,2-Dichloroethylene -trans                 | µg/L  | <                     |                          |
| 1,2-Dichloropropane                         | µg/L  | <                     |                          |
| 1,3-Dichlorobenzene                         | µg/L  | <                     |                          |
| 1,3-Dichloropropene - cis                   | µg/L  | <                     |                          |
| 1,3-Dichloropropene - trans                 | µg/L  | <                     |                          |
| 1,3-Dichloropropane                         | µg/L  | <                     |                          |
| 1,3,5-Trimethylbenzene                      | µg/L  | <                     |                          |
| 1,4-Dichlorobenzene                         | µg/L  | <                     | 5, 1(A)                  |
| 1,4-Dioxane                                 | µg/L  | <                     | 5                        |
| 2,2-Dichloropropane                         | µg/L  | <                     |                          |
| 2,3,4,6-Tetrachlorophenol                   | µg/L  | <                     | 100, 1(A)                |
| 2,4,5-Trichlorophenoxyacetic acid / 2,4,5-T | µg/L  | <                     |                          |
| 2,4,6-Trichlorophenol                       | µg/L  | <                     | 5, 2(A)                  |

| Test Parameter                         | units | Treated water results | Drinking water standard*               |
|--|-------|-----------------------|--|
| 2,4-Dichlorophenol                     | µg/L  | <                     | 900, 0.3(A)                            |
| 2,4-DDT                                | µg/L  | <                     |  |
| 2,4-Dichlorophenoxyacetic Acid (2,4-D) | µg/L  | <                     | 100                                    |
| 2-Chlorotoluene                        | µg/L  | <                     |  |
| 2-Hexanone (MPK)                       | µg/L  | <                     |  |
| 4,4-DDD (pp-DDD)                       | µg/L  | <                     |  |
| 4,4-DDE (pp-DDE)                       | µg/L  | <                     |  |
| 4,4-DDT (pp-DDT)                       | µg/L  | <                     |  |
| 4-Chlorotoluene                        | µg/L  | <                     |  |
| Acetone                                | µg/L  | <                     |  |
| Alachlor                               | µg/L  | <                     | 5                                      |
| Aldicarb                               | µg/L  | <                     |  |
| Aldrin                                 | µg/L  | <                     |  |
| Aldrin + dieldrin                      | µg/L  | <                     |  |
| Atrazine                               | µg/L  | <                     |  |
| Atrazine + N-dealkylated metabolites   | µg/L  | <                     | 5                                      |
| Atrazine-desethyl (DEA)                | µg/L  | <                     |  |
| Azinphos-methyl                        | µg/L  | <                     | 20                                     |
| Bendiocarb                             | µg/L  | <                     |  |
| Benzene                                | µg/L  | <                     | <sup>2</sup> 5.0 / <sup>3</sup> 1.0    |
| Benzo(a)pyrene                         | µg/L  | <                     | 0.01                                   |
| Bromobenzene                           | µg/L  | <                     |  |
| Bromoxynil                             | µg/L  | <                     | <sup>2</sup> 30.0/ <sup>3</sup> 5.0    |
| Carbaryl                               | µg/L  | <                     | 90                                     |
| Carbofuran                             | µg/L  | <                     | 90                                     |
| Carbon Tetrachloride                   | µg/L  | <                     | 2                                      |
| Chlorobenzene                          | µg/L  | <                     | 80, 30(A)                              |
| Chloroethane                           | µg/L  | <                     |  |
| Chlorpyrifos                           | µg/L  | <                     | 90                                     |
| Cyanazine                              | µg/L  | <                     |  |
| DDT + metabolites                      | µg/L  | <                     |  |
| Diazinon                               | µg/L  | <                     | 20                                     |
| Dicamba                                | µg/L  | <                     | <sup>2</sup> 110.0/ <sup>3</sup> 120.0 |
| Dichlorodifluoromethane / Freon 12     | µg/L  | <                     |  |
| Dichloromethane                        | µg/L  | <                     | 50                                     |
| Diclofop - methyl                      | µg/L  | <                     | 9                                      |
| Dieldrin                               | µg/L  | <                     |  |
| Dimethoate                             | µg/L  | <                     | 20                                     |
| Dinoseb                                | µg/L  | <                     |  |

| Test Parameter                         | units | Treated water results | Drinking water standard*                |
|--|-------|-----------------------|---|
| Diquat                                 | µg/L  | <                     | <sup>2</sup> 50.0/ <sup>3</sup> 70.0    |
| Diuron                                 | µg/L  | <                     | 150                                     |
| Ethylbenzene                           | µg/L  | <                     | 140, 1.6 (A)                            |
| Ethylene dibromide                     | µg/L  | <                     |   |
| Glyphosate                             | µg/L  | <                     | 280                                     |
| Heptachlor                             | µg/L  | <                     |   |
| Heptachlor & heptachlor epoxide        | µg/L  | <                     |   |
| Heptachlor epoxide                     | µg/L  | <                     |   |
| Hexane                                 | µg/L  | <                     |   |
| Isopropylbenzene                       | µg/L  | <                     |   |
| Lindane                                | µg/L  | <                     |   |
| Malathion                              | µg/L  | <                     | 190                                     |
| MCPA                                   | µg/L  | <                     | <sup>2</sup> 350.0/ <sup>3</sup> 100.0  |
| Methoxychlor                           | µg/L  | <                     |   |
| Methyl ethyl ketone (MEK) (2-Butanone) | µg/L  | <                     |   |
| Methyl isobutyl ketone (MIBK)          | µg/L  | <                     |   |
| Methyl tert-butyl ether / MTBE         | µg/L  | <                     | 15 (A)                                  |
| Metolachlor                            | µg/L  | <                     | 50                                      |
| Metribuzin                             | µg/L  | <                     | 80                                      |
| Microcystin-LR <sup>7</sup>            | µg/L  | <                     | 1.5                                     |
| Nitrilotriacetic Acid                  | µg/L  | <                     | 400                                     |
| N - Nitrosodimethylamine (NDMA)        | µg/L  | <                     | <sup>3</sup> 0.009 / <sup>2</sup> 0.040 |
| n-Butylbenzene                         | µg/L  | <                     |   |
| n-Propylbenzene                        | µg/L  | <                     |   |
| Paraquat                               | µg/L  | <                     | 7                                       |
| Parathion                              | µg/L  | <                     |   |
| Pentachlorophenol                      | µg/L  | <                     | 60, 30(A)                               |
| Phorate                                | µg/L  | <                     | 2                                       |
| Picloram                               | µg/L  | <                     | 190                                     |
| p-Isopropyltoluene                     | µg/L  | <                     |   |
| Polychlorinated Biphenyls (PCBs)       | µg/L  | <                     | 3                                       |
| Prometryne                             | µg/L  | <                     | 1                                       |
| sec-Butylbenzene                       | µg/L  | <                     |   |
| Simazine                               | µg/L  | <                     | 10                                      |
| Styrene                                | µg/L  | <                     |   |
| Temephos                               | µg/L  | <                     |   |
| Terbufos                               | µg/L  | <                     | 1                                       |
| tert-Butylbenzene                      | µg/L  | <                     |   |
| Tetrachloroethylene                    | µg/L  | <                     | 10                                      |

| Test Parameter          | units | Treated water results | Drinking water standard*            |
|-------------------------|-------|-----------------------|-------------------------------------|
| Toluene                 | µg/L  | <                     | 60, 24 (A)                          |
| Total Chlordane         | µg/L  | <                     |                                     |
| Triallate               | µg/L  | <                     | <sup>3</sup> 230                    |
| Trichloroethylene / TCE | µg/L  | <                     | 5                                   |
| Trifluralin             | µg/L  | <                     | 45                                  |
| Vinyl Chloride          | µg/L  | <                     | <sup>2</sup> 2.0 / <sup>3</sup> 1.0 |
| Xylene - meta & para    | µg/L  | <                     |                                     |
| Xylene - ortho          | µg/L  | <                     |                                     |
| Xylenes - total         | µg/L  | <                     | 90, 20(A)                           |

### Chemical – Dioxins & Furans<sup>7</sup>

| Test Parameter                        | units | Treated water results | Drinking water standard* |
|---------------------------------------|-------|-----------------------|--------------------------|
| 2,3,7,8,-Tetra-Dibenzo-p-Dioxin       | µg/L  | <                     |                          |
| 1,2,3,7,8,-Penta-Dibenzo-p-Dioxin     | µg/L  | <                     |                          |
| 1,2,3,4,7,8,-Hexa-Dibenzo-p-Dioxin    | µg/L  | <                     |                          |
| 1,2,3,6,7,8,-Hexa-Dibenzo-p-Dioxin    | µg/L  | <                     |                          |
| 1,2,3,7,8,9-Hexa-Dibenzo-p-Dioxin     | µg/L  | <                     |                          |
| 1,2,3,4,6,7,8,-Hepta-Dibenzo-p-Dioxin | µg/L  | <                     |                          |
| 2,3,7,8-Tetra-Dibenzofuran            | µg/L  | <                     |                          |
| 1,2,3,7,8,-Penta-Dibenzofuran         | µg/L  | 0.0000019             |                          |
| 2,3,4,7,8,-Penta-Dibenzofuran         | µg/L  | <                     |                          |
| 1,2,3,4,7,8,-Hexa-Dibenzofuran        | µg/L  | <                     |                          |
| 1,2,3,6,7,8,-Hexa-Dibenzofuran        | µg/L  | <                     |                          |
| 2,3,4,6,7,8,-Hexa-Dibenzofuran        | µg/L  | <                     |                          |
| 1,2,3,7,8,9,-Hexa-Dibenzofuran        | µg/L  | <                     |                          |
| 1,2,3,4,6,7,8-Hepta-Dibenzofuran      | µg/L  | <                     |                          |
| 1,2,3,4,7,8,9,-Hepta-Dibenzofuran     | µg/L  | <                     |                          |
| Total Tetrachlorodibenzo-p-Dioxins    | µg/L  | <                     |                          |
| Total Pentachlorodibenzo-p-Dioxins    | µg/L  | <                     |                          |
| Total Hexachlorodibenzo-p-Dioxins     | µg/L  | <                     |                          |
| Total Heptachlorodibenzo-p-Dioxins    | µg/L  | <                     |                          |
| Total Octachlorodibenzo-p-Dioxins     | µg/L  | 0.0000026             |                          |
| Total Tetrachlorodibenzofurans        | µg/L  | 0.0000053             |                          |
| Total Pentachlorodibenzofurans        | µg/L  | <                     |                          |
| Total Hexachlorodibenzofurans         | µg/L  | <                     |                          |
| Total Heptachlorodibenzofurans        | µg/L  | <                     |                          |

| Test Parameter               | units | Treated water results | Drinking water standard* |
|------------------------------|-------|-----------------------|--------------------------|
| Total Octachlorodibenzofuran | µg/L  | <                     |                          |

### Chemical – Perfluorinated Organics

| Test Parameter                                   | units | Treated water results | Drinking water standard* |
|--|-------|-----------------------|--------------------------|
| Perfluorobutyrate                                | µg/L  | <                     |                          |
| Perfluoro-n-pentanoic acid                       | µg/L  | <                     |                          |
| Perfluorohexanoic acid                           | µg/L  | <                     |                          |
| Perfluoroheptanoic acid                          | µg/L  | <                     |                          |
| Perfluorooctanoic acid                           | µg/L  | <                     | 0.2                      |
| Perfluorononanoic acid                           | µg/L  | <                     |                          |
| Perfluorodecanoic acid                           | µg/L  | <                     |                          |
| Perfluoroundecanoic acid                         | µg/L  | <                     |                          |
| Perfluorododecanoic acid                         | µg/L  | <                     |                          |
| Perfluorotridecanoic acid                        | µg/L  | <                     |                          |
| Perfluorotridecanoate.                           | µg/L  | <                     |                          |
| Perfluorobutane sulfonate                        | µg/L  | <                     |                          |
| Perfluoropolyethers                              | µg/L  | <                     |                          |
| Perfluorohexane sulfonic acid                    | µg/L  | <                     |                          |
| Perfluoroheptane sulfonate                       | µg/L  | <                     |                          |
| Perfluorooctanesulfonic acid                     | µg/L  | <                     | 0.6                      |
| Perfluorononanesulfonate                         | µg/L  | <                     |                          |
| Perfluorodecanesulfonate                         | µg/L  | <                     |                          |
| Perfluorododecanesulfonic acid                   | µg/L  | <                     |                          |
| 4:2 fluorotelomer sulfonate                      | µg/L  | <                     |                          |
| 6:2 fluorotelomer sulfonate                      | µg/L  | <                     |                          |
| 8:2 fluorotelomer sulfonate                      | µg/L  | <                     |                          |
| Perfluorooctanesulfonamide                       | µg/L  | <                     |                          |
| N-methylperfluorooctanesulfonamide               | µg/L  | <                     |                          |
| N-methyl perfluorooctanesulfonamidoacetic acid   | µg/L  | <                     |                          |
| N-ethyl perfluorooctanesulfonamide               | µg/L  | <                     |                          |
| N-methylperfluoro-1-octanesulfonamidoacetic acid | µg/L  | <                     |                          |
| N-ethylperfluoro-1-octanesulfonamidoacetic acid  | µg/L  | <                     |                          |
| N-methylperfluorooctanesulfonamidoethanol        | µg/L  | <                     |                          |
| N-ethyl perfluorooctane sulfonamido ethanol      | µg/L  | <                     |                          |

| Test Parameter  | units | Treated water results | Drinking water standard* |
|---|-------|-----------------------|--------------------------|
| Hexafluoropropylene oxide dimer acid                          | µg/L  | <                     |                          |
| 3H-perfluoro-3-[(3-methoxy-propoxy)propanoic acid]            | µg/L  | <                     |                          |
| 9C1-PF3ONS 9-chlorohexadecafluoro-3-oxanonane-1-sulfonic Acid | µg/L  | <                     |                          |
| 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid           | µg/L  | <                     |                          |
| 3:3 Fluorotelomer carboxylic acid                             | µg/L  | <                     |                          |
| 5:3 Fluorotelomer carboxylic acid                             | µg/L  | <                     |                          |
| 7:3 Fluorotelomer carboxylic acid                             | µg/L  | <                     |                          |
| Potassium perfluoro(2-ethoxyethane)sulfonate                  | µg/L  | <                     |                          |
| Perfluoro-4-oxapentanoic acid                                 | µg/L  | <                     |                          |
| Perfluoro-5-oxahexanoic acid                                  | µg/L  | <                     |                          |
| Perfluoro-3,6-dioxaheptanoic acid                             | µg/L  | <                     |                          |
| Total PFAS  | µg/L  | <                     |                          |

#### Chemical - disinfection by-products

| Test Parameter   | units | Treated water results | Drinking water standard* |
|--|-------|-----------------------|--------------------------|
| Chloroform   | µg/L  | 2.3                   |                          |
| Bromodichloromethane                                       | µg/L  | 5.8                   |                          |
| Dibromochloromethane                                       | µg/L  | 11.1                  |                          |
| Bromoform  | µg/L  | 6.8                   |                          |
| Total Trihalomethanes (TTHMs)                              | µg/L  | 25.9                  |                          |
| Monochloroacetic Acid                                      | µg/L  | <                     |                          |
| Monobromoacetic Acid                                       | µg/L  | 1.2                   |                          |
| Dichloroacetic Acid  | µg/L  | 1.0                   |                          |
| Dibromoacetic Acid   | µg/L  | 4.7                   |                          |
| Trichloroacetic Acid                                       | µg/L  | 0.6                   |                          |
| Bromochloroacetic Acid                                     | µg/L  | 3.1                   |                          |
| Bromodichloroacetic Acid                                   | µg/L  | 3.0                   |                          |
| Chlorodibromoacetic Acid                                   | µg/L  | 4.5                   |                          |
| Tribromoacetic Acid  | µg/L  | 2.9                   |                          |
| Total Haloacetic Acids (HAA5)                              | µg/L  | 6.8                   |                          |
| Total Haloacetic Acids (HAA9)                              | µg/L  | 17.0                  |                          |
| Total Trihalomethanes (TTHMs) <sup>1</sup> in distribution | µg/L  | 32.9                  | 100                      |



| Test Parameter   | units | Treated water results | Drinking water standard* |
|--|-------|-----------------------|--------------------------|
| Total Haloacetic Acids (HAA5) <sup>1</sup> in distribution | µg/L  | 8.4                   | 80                       |

### Radiological

| Test Parameter            | units | Treated water results | Drinking water standard* |
|---------------------------|-------|-----------------------|--------------------------|
| Gross-Alpha Radioactivity | Bq/L  | <0.10                 | <sup>4</sup> 0.5         |
| Gross-Beta Radioactivity  | Bq/L  | 0.18                  | <sup>4</sup> 1.0         |
| Tritium                   | Bq/L  | <0.74                 | 7000                     |

### Glossary and notes:

reported values represent average concentrations measured in treated water

< indicates less than detection limit

mg/L = milligram per Litre = part per million (ppm)

µg/L = microgram per Litre = part per billion (ppb)

cfu = colony forming units

\*Ontario Drinking Water Standards O.Reg.169/03 and/or Health Canada Guidelines for Canadian Drinking Water Quality

\*Drinking water standards are health-based MAC (Maximum Acceptable Concentration) values, unless otherwise noted

(A) indicates aesthetic objective, not health related but may affect taste, odour, or appearance

(O) indicates an operational guideline, to ensure efficient treatment and distribution system operation

<sup>1</sup>The reported THM and HAA result is an annual average concentration measured in the distribution system.

<sup>2</sup> Health Canada Drinking Water Guideline only

<sup>3</sup> Ontario Drinking Water Quality Standard only

<sup>4</sup>Radioactivity screening values = 0.5 Bq/L for gross alpha and 1.0 Bq/L for gross beta

<sup>5</sup>Sodium health advisory level of 20 mg/L for people on sodium-restricted diets only

<sup>6</sup>Result from 2018

<sup>7</sup>Result from 2021

\*\*calculated parameter based on individual analytes