

Report For: City of Prince George  
 Received: 05/17/2022 17:00  
 Report ID: 22D3063  
 Report Name: 22D3063\_FINAL\_WaterTrax\_17\_May\_22\_0823.txt

**Sample ID:** 22D3063-01  
 Water System: Core Water System  
 Source: PW 605 Well  
 Facility: PW 605 Well Pumphouse  
 Sampling Pt: PW 605 Pumphouse treated water (PW605-2-EP, DBC0)  
 Comment: Generated by File Transfer  
 Sampled: 04/25/2022 12:30

| INORGANIC              |           |      | Criteria & Type                  | Status |
|------------------------|-----------|------|----------------------------------|--------|
| Aluminum (dissolved)   | < 0.0050  | mg/L |                                  | Final  |
| Aluminum (total)       | < 0.0050  | mg/L | <=0.1 Operational - Conventional | Final  |
| Ammonia (total, as N)  | < 0.050   | mg/L |                                  | Final  |
| Antimony (dissolved)   | < 0.00020 | mg/L |                                  | Final  |
| Antimony (total)       | < 0.00020 | mg/L | <=0.006 MAC                      | Final  |
| Arsenic (dissolved)    | < 0.00050 | mg/L |                                  | Final  |
| Arsenic (total)        | < 0.00050 | mg/L | Current Level                    | Final  |
| Barium (dissolved)     | 0.0256    | mg/L |                                  | Final  |
| Barium (total)         | 0.0240    | mg/L | <=2 MAC                          | Final  |
| Beryllium (dissolved)  | < 0.00010 | mg/L |                                  | Final  |
| Beryllium (total)      | < 0.00010 | mg/L |                                  | Final  |
| Bismuth (dissolved)    | < 0.00010 | mg/L |                                  | Final  |
| Bismuth (total)        | < 0.00010 | mg/L |                                  | Final  |
| Boron (dissolved)      | < 0.0500  | mg/L |                                  | Final  |
| Boron (total)          | < 0.0500  | mg/L | <=5 MAC                          | Final  |
| Bromide                | < 0.10    | mg/L |                                  | Final  |
| Cadmium (dissolved)    | 0.000015  | mg/L |                                  | Final  |
| Cadmium (total)        | 0.000013  | mg/L | <=0.005 MAC                      | Final  |
| Calcium (dissolved)    | 28.3      | mg/L |                                  | Final  |
| Calcium (total)        | 27.7      | mg/L |                                  | Final  |
| Chloride               | 8.86      | mg/L | <=250 AO                         | Final  |
| Chromium (extractable) | < 0.00050 | mg/L |                                  | Final  |
| Chromium (total)       | < 0.00050 | mg/L | <=0.05 MAC                       | Final  |
| Cobalt (dissolved)     | < 0.00010 | mg/L |                                  | Final  |
| Cobalt (total)         | < 0.00010 | mg/L |                                  | Final  |
| Copper (extractable)   | 0.00914   | mg/L |                                  | Final  |
| Copper (total)         | 0.00946   | mg/L | <=1 AO                           | Final  |
| Fluoride               | < 0.10    | mg/L | <=1.5 MAC                        | Final  |
| Iron (dissolved)       | < 0.010   | mg/L |                                  | Final  |
| Iron (total)           | 0.012     | mg/L | <=0.3 AO                         | Final  |
| Lead (dissolved)       | < 0.00020 | mg/L |                                  | Final  |



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**Source:** PW 605 Well  
**Facility:** PW 605 Well Pumphouse  
**Sampling Pt:** PW 605 Pumphouse treated water (PW605-2-EP, DBC0)  
**Comment:** Generated by File Transfer  
**Sampled:** 04/25/2022 12:30

| INORGANIC                    |                    | Criteria & Type     | Status       |
|------------------------------|--------------------|---------------------|--------------|
| Lead (total)                 | < 0.00020 mg/L     | <=0.005 MAC         | Final        |
| Lithium (dissolved)          | 0.00081 mg/L       |                     | Final        |
| Lithium (total)              | 0.00087 mg/L       |                     | Final        |
| Magnesium (dissolved)        | 10.0 mg/L          |                     | Final        |
| Magnesium (total)            | 9.82 mg/L          |                     | Final        |
| Manganese (dissolved)        | 0.0129 mg/L        |                     | Final        |
| <b>* Manganese (total)</b>   | <b>0.0218 mg/L</b> | <b>&lt;=0.02 AO</b> | <b>Final</b> |
| Mercury (dissolved)          | < 0.000010 mg/L    |                     | Final        |
| Mercury (total)              | < 0.000010 mg/L    | <=0.001 MAC         | Final        |
| Molybdenum (dissolved)       | 0.00177 mg/L       |                     | Final        |
| Molybdenum (total)           | 0.00169 mg/L       |                     | Final        |
| Nickel (dissolved)           | 0.00067 mg/L       |                     | Final        |
| Nickel (total)               | 0.00068 mg/L       |                     | Final        |
| Nitrate (as N)               | 0.238 mg/L         |                     | Final        |
| Nitrate + Nitrite (as N)     | 0.238 mg/L         |                     | Final        |
| Nitrite (as N)               | < 0.010 mg/L       |                     | Final        |
| o-Phosphate (as P)           | < 0.0050 mg/L      |                     | Final        |
| Phosphorus (total dissolved) | 0.062 mg/L         |                     | Final        |
| Phosphorus (total)           | < 0.050 mg/L       |                     | Final        |
| Potassium (dissolved)        | 1.37 mg/L          |                     | Final        |
| Potassium (total)            | 1.31 mg/L          |                     | Final        |
| Selenium (dissolved)         | 0.00135 mg/L       |                     | Final        |
| Selenium (total)             | 0.00143 mg/L       | <=0.05 MAC          | Final        |
| Silicon (dissolved, as Si)   | 5.2 mg/L           |                     | Final        |
| Silicon (total, as Si)       | 5.3 mg/L           |                     | Final        |
| Silver (dissolved)           | < 0.000050 mg/L    |                     | Final        |
| Silver (total)               | < 0.000050 mg/L    |                     | Final        |
| Sodium (dissolved)           | 6.16 mg/L          |                     | Final        |
| Sodium (total)               | 5.82 mg/L          | <=200 AO            | Final        |
| Strontium (dissolved)        | 0.144 mg/L         |                     | Final        |
| Strontium (total)            | 0.139 mg/L         |                     | Final        |
| Sulfur (dissolved)           | 3.5 mg/L           |                     | Final        |
| Sulfur (total)               | 3.5 mg/L           |                     | Final        |
| Sulphate                     | 11.5 mg/L          | <=500 AO            | Final        |
| Tellurium (dissolved)        | < 0.00050 mg/L     |                     | Final        |
| Tellurium (total)            | < 0.00050 mg/L     |                     | Final        |

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**Facility:** PW 605 Well Pumphouse  
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| INORGANIC                                     |                 | Criteria & Type   | Status |
|---|-----------------|---|--------|
| Thallium (dissolved)                          | < 0.000020 mg/L |   | Final  |
| Thallium (total)                              | < 0.000020 mg/L |   | Final  |
| Thorium (dissolved)                           | < 0.00010 mg/L  |   | Final  |
| Thorium (total)                               | < 0.00010 mg/L  |   | Final  |
| Tin (dissolved)                               | < 0.00020 mg/L  |   | Final  |
| Tin (total)                                   | < 0.00004 mg/L  |   | Final  |
| Titanium (dissolved)                          | < 0.0050 mg/L   |   | Final  |
| Titanium (total)                              | < 0.0050 mg/L   |   | Final  |
| Tungsten (dissolved)                          | < 0.0010 mg/L   |   | Final  |
| Tungsten (total)                              | < 0.0002 mg/L   |   | Final  |
| Uranium (dissolved)                           | 0.000309 mg/L   |   | Final  |
| Vanadium (dissolved)                          | < 0.0010 mg/L   |   | Final  |
| Vanadium (total)                              | < 0.0010 mg/L   |   | Final  |
| Zinc (dissolved)                              | 0.0043 mg/L     |   | Final  |
| Zinc (total)                                  | 0.0044 mg/L     | <=5 AO  | Final  |
| Zirconium (dissolved)                         | < 0.00010 mg/L  |   | Final  |
| Zirconium (total)                             | < 0.00010 mg/L  |   | Final  |
| MICROORGANISMS                                |                 | Criteria & Type   | Status |
| Escherichia coli / E. coli (MPN)              | < 1 MPN/100ml   | <=0,P Microbiological standard                                | Final  |
| Fecal (thermal tolerant) Coliforms (MPN / PA) | < 1 MPN/100ml   |   | Final  |
| Total Coliforms (MPN)                         | < 1 MPN/100ml   | <=0,P User-Defined  | Final  |
| ORGANIC                                       |                 | Criteria & Type   | Status |
| Adsorbable Organic Halides / AOX              | 141 ug/L        |   | Final  |
| Bromodichloromethane (dichlorobromomethane)   | < 0.0010 mg/L   | <=0.1 IMAC for TTHM expressed as a running annual average     | Final  |
| Bromoform                                     | < 0.0010 mg/L   | <=0.1 IMAC for TTHM expressed as a running annual average     | Final  |
| Chloroform                                    | 0.0070 mg/L     | <=0.1 Standard for TTHM expressed as a running annual average | Final  |
| Dibromochloromethane (Chlorodibromomethane)   | < 0.0010 mg/L   | <=0.1 IMAC for TTHM expressed as a running annual average     | Final  |
| Nitrogen (Total) (total)                      | 0.361 mg/L      |   | Final  |
| Total Kjeldahl Nitrogen / TKN                 | 0.123 mg/L      |   | Final  |





# Laboratory Report

Caro Analytical Services

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**Sampling Pt:** PW 605 Pumphouse treated water (PW605-2-EP, DBC0)  
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| ORGANIC                                |               | Criteria & Type                            | Status |
|--|---------------|--|--------|
| Total Trihalomethanes / TTHM           | 0.00695 mg/L  | <=0.1 IMAC based on running annual average | Final  |
| PHYSICAL                               |               | Criteria & Type                            | Status |
| Alkalinity (bicarbonate, as CaCO3)     | 109 mg/L      |  | Final  |
| Alkalinity (carbonate, as CaCO3)       | < 1.0 mg/L    |  | Final  |
| Alkalinity (hydroxide, as CaCO3)       | < 1.0 mg/L    |  | Final  |
| Alkalinity (phenolphthalein, as CaCO3) | < 1.0 mg/L    |  | Final  |
| Alkalinity (total, as CaCO3)           | 109 mg/L      |  | Final  |
| Hardness (total, as CaCO3)             | 112 mg/L      |  | Final  |
| Hardness (total, as CaCO3)             | 110 mg/L      |  | Final  |
| Total Suspended Solids / TSS           | < 2.0 mg/L    |  | Final  |
| RADIONUCLIDES                          |               | Criteria & Type                            | Status |
| Uranium (total)                        | 0.000337 mg/L | <=0.02 MAC                                 | Final  |

### Result Legend

P=present, A=absent, PR=presumptive, ND=non-detect, OR=over-range, OG=overgrown, Y=yes, N=no,  
TNTC=too numerous to count, NR=no result, NT=not tested, IG=ignore, ER=external report, SC=see comment  
< means less than lower detection limit shown

> means greater than upper detection limit shown

« means detected & less than number shown

» means detected & greater than number shown

\* Indicates Criteria is exceeded

