

Report For: City of Prince George
 Received: 10/07/2019 15:52
 Report ID: 2446502
 Report Name:

Sample ID: 1377996-1
 Water System: Upper Hart Water System
 Source: PW 660 WELL
 Facility: PW 660 Well Pumphouse
 Sampling Pt: PW-660 Pumphouse Raw Water (PW660-1-SR, 14C95)
 Comment: 14C95 / PW660-Raw Water / 7.9°C
 Sampled: 09/18/2019 10:20

| INORGANIC | | Criteria & Type | Status |
|-------------------------------|----------------|----------------------------------|--------|
| Aluminum (total) | < 0.001 mg/L | <=0.1 Operational - Conventional | Final |
| Antimony (total) | 0.00008 mg/L | <=0.006 MAC | Final |
| Arsenic (total) | 0.0001 mg/L | Current Level | Final |
| Barium (total) | 0.031 mg/L | <=1 MAC | Final |
| Beryllium (total) | < 0.00005 mg/L | | Final |
| Bismuth (total) | < 0.0001 mg/L | | Final |
| Boron (total) | 0.004 mg/L | <=5 MAC | Final |
| Cadmium (total) | 0.00002 mg/L | <=0.005 MAC | Final |
| Calcium (dissolved) | 27 mg/L | | Final |
| Calcium (total) | 27 mg/L | | Final |
| Chloride | 6.11 mg/L | <=250 AO | Final |
| Chromium (total) | < 0.00005 mg/L | <=0.05 MAC | Final |
| Cobalt (total) | < 0.00002 mg/L | | Final |
| Copper (total) | 0.0051 mg/L | <=1 AO | Final |
| Fluoride | 0.11 mg/L | <=1.5 MAC | Final |
| Iron (total) | 0.004 mg/L | <=0.3 AO | Final |
| Iron (total) | < 0.004 mg/L | <=0.3 AO | Final |
| Lead (total) | 0.0018 mg/L | <=0.005 MAC | Final |
| Lithium (total) | < 0.0005 mg/L | | Final |
| Magnesium (dissolved) | 7.5 mg/L | | Final |
| Magnesium (total) | 7.4 mg/L | | Final |
| Manganese (total) | 0.005 mg/L | <=0.02 AO | Final |
| Manganese (total) | 0.006 mg/L | <=0.02 AO | Final |
| Mercury (total) | < 0.00001 mg/L | <=0.001 MAC | Final |
| Molybdenum (total) | 0.0015 mg/L | | Final |
| Nickel (total) | 0.0009 mg/L | | Final |
| Nitrate (as N) | 0.07 mg/L | | Final |
| Nitrite (as N) | < 0.01 mg/L | | Final |
| o-Phosphate (dissolved, as P) | < 0.002 mg/L | | Final |
| Potassium (dissolved) | 0.96 mg/L | | Final |
| Potassium (total) | 0.95 mg/L | | Final |



Laboratory Report

Exova

Report Name:

Sample ID: 1377996-1 (continued)
Water System: Upper Hart Water System
Source: PW 660 WELL
Facility: PW 660 Well Pumphouse
Sampling Pt: PW-660 Pumphouse Raw Water (PW660-1-SR, 14C95)
Comment: 14C95 / PW660-Raw Water / 7.9°C
Sampled: 09/18/2019 10:20

| | | | Criteria & Type | Status |
|---|-----------------|--------|----------------------------|---------------|
| INORGANIC | | | | |
| Selenium (total) | 0.0007 mg/L | <=0.05 | MAC | Final |
| Silicon (total, as Si) | 3.9 mg/L | | | Final |
| Silver (total) | < 0.00001 mg/L | | | Final |
| Sodium (dissolved) | 3.9 mg/L | | | Final |
| Sodium (total) | 3.9 mg/L | <=200 | AO | Final |
| Strontium (total) | 0.12 mg/L | | | Final |
| Sulfur (total) | 3.0 mg/L | | | Final |
| Sulphate | 8.6 mg/L | <=500 | AO | Final |
| Thallium (total) | < 0.00001 mg/L | | | Final |
| Tin (total) | < 0.0001 mg/L | | | Final |
| Titanium (total) | 0.002 mg/L | | | Final |
| Vanadium (total) | < 0.00005 mg/L | | | Final |
| Zinc (total) | 0.0034 mg/L | <=5 | AO | Final |
| Zirconium (total) | < 0.0001 mg/L | | | Final |
| MICROORGANISMS | | | | |
| Escherichia coli / E. coli (MPN) | < 1.0 MPN/100ml | <=0,P | Microbiological standard | Final |
| Fecal (thermal tolerant) Coliforms (counts) | < 1 CFU/100ml | <=0 | Microbiological Standard | Final |
| Total Coliforms (MPN) | < 1.0 MPN/100ml | <=0,P | User-Defined | Final |
| ORGANIC | | | | |
| Total Organic Carbon / TOC | 2.4 mg/L | | | Final |
| PHYSICAL | | | | |
| Alkalinity (total, as CaCO3) | 94 mg/L | | | Final |
| Bicarbonate (as HCO3) | 110 mg/L | | | Final |
| Carbonate (as CO3) | < 6 mg/L | | | Final |
| Colour | < 5 TCU | <=15 | AO | Final |
| Conductivity | 224 uS/cm | | | Final |
| Hardness (total, as CaCO3) | 99 mg/L | | | Final |
| Hydroxide (as OH) | < 5 mg/L | | | Final |
| pH | 7.44 | | Current Level | Final |
| Total Dissolved Solids / TDS (computed) | 122 mg/L | | | Final |
| Total Suspended Solids / TSS | < 2 mg/L | | | Final |
| Turbidity | 0.17 NTU | <=5 | User-Defined | Final |

Laboratory Report

Exova

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Source: PW 660 WELL
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Sampling Pt: PW-660 Pumphouse Raw Water (PW660-1-SR, 14C95)
Comment: 14C95 / PW660-Raw Water / 7.9°C
Sampled: 09/18/2019 10:20

| RADIONUCLIDES | | Criteria & Type | | Status |
|-----------------|--------------|-----------------|-----|--------|
| Uranium (total) | 0.00023 mg/L | <=0.02 | MAC | Final |

Sample ID: 1377996-2
Water System: Upper Hart Water System
Source: PW 660 WELL
Facility: PW 660 Well Pumphouse
Sampling Pt: PW-660 Pumphouse Raw Water (PW660-1-SR, 14C95)
Comment: 14C95 / PW660-Raw Water / 18.8°C
Sampled: 09/27/2019 11:30

| ORGANIC | | Criteria & Type | | Status |
|--|--------------|-----------------|--|--------|
| Bromodichloromethane (dichlorobromomethane) | < 0.001 mg/L | <=0.1 | IMAC for TTHM expressed as a running annual average | Final |
| Bromoform | < 0.001 mg/L | <=0.1 | IMAC for TTHM expressed as a running annual average | Final |
| Chloroform | < 0.001 mg/L | <=0.1 | Standard for TTHM expressed as a running annual average | Final |
| Dibromochloromethane (Chlorodibromomethane) | < 0.001 mg/L | <=0.1 | IMAC for TTHM expressed as a running annual average | Final |
| Total Trihalomethanes / TTHM | < 0.001 mg/L | <=0.1 | IMAC based on running annual average | 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