

Report For: City of Prince George
 Received: 10/07/2019 15:11
 Report ID: 2446611
 Report Name:

Sample ID: 1377975-1
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: DBC0 / PW 605-Raw Water (treated) / 7.9°C
Sampled: 09/18/2019 09:00

INORGANIC		Criteria & Type	Status
Aluminum (total)	< 0.001 mg/L	<=0.1 Operational - Conventional	Final
Antimony (total)	0.00015 mg/L	<=0.006 MAC	Final
Arsenic (total)	0.0003 mg/L	Current Level	Final
Barium (total)	0.018 mg/L	<=1 MAC	Final
Beryllium (total)	< 0.00005 mg/L		Final
Bismuth (total)	< 0.0001 mg/L		Final
Boron (total)	0.005 mg/L	<=5 MAC	Final
Cadmium (total)	0.00001 mg/L	<=0.005 MAC	Final
Calcium (dissolved)	21 mg/L		Final
Calcium (total)	22 mg/L		Final
Chloride	4.13 mg/L	<=250 AO	Final
Chromium (total)	< 0.00005 mg/L	<=0.05 MAC	Final
Cobalt (total)	0.00003 mg/L		Final
Copper (total)	0.0082 mg/L	<=1 AO	Final
Fluoride	0.11 mg/L	<=1.5 MAC	Final
Iron (total)	0.015 mg/L	<=0.3 AO	Final
Iron (total)	0.014 mg/L	<=0.3 AO	Final
Lead (total)	0.00028 mg/L	<=0.005 MAC	Final
Lithium (total)	0.0007 mg/L		Final
Magnesium (dissolved)	6.5 mg/L		Final
Magnesium (total)	6.6 mg/L		Final
Manganese (total)	0.015 mg/L	<=0.02 AO	Final
Manganese (total)	0.018 mg/L	<=0.02 AO	Final
Mercury (total)	< 0.00001 mg/L	<=0.001 MAC	Final
Molybdenum (total)	0.0017 mg/L		Final
Nickel (total)	0.0011 mg/L		Final
Nitrate (as N)	0.08 mg/L		Final
Nitrite (as N)	< 0.01 mg/L		Final
o-Phosphate (dissolved, as P)	0.004 mg/L		Final
Potassium (dissolved)	1.1 mg/L		Final
Potassium (total)	1.1 mg/L		Final



Laboratory Report

Exova

Report Name:

Sample ID: 1377975-1 (continued)
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: DBC0 / PW 605-Raw Water (treated) / 7.9°C
Sampled: 09/18/2019 09:00

INORGANIC		Criteria & Type		Status
Selenium (total)	0.0005 mg/L	<=0.05	MAC	Final
Silicon (total, as Si)	4.6 mg/L			Final
Silver (total)	< 0.00001 mg/L			Final
Sodium (dissolved)	4.6 mg/L			Final
Sodium (total)	4.5 mg/L	<=200	AO	Final
Strontium (total)	0.097 mg/L			Final
Sulfur (total)	2.3 mg/L			Final
Sulphate	6.8 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)	0.00023 mg/L			Final
Zinc (total)	0.0083 mg/L	<=5	AO	Final
Zirconium (total)	< 0.0001 mg/L			Final
MICROORGANISMS		Criteria & Type		Status
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		Criteria & Type		Status
Total Organic Carbon / TOC	2.6 mg/L			Final
PHYSICAL		Criteria & Type		Status
Alkalinity (total, as CaCO3)	85 mg/L			Final
Bicarbonate (as HCO3)	100 mg/L			Final
Carbonate (as CO3)	< 6 mg/L			Final
Colour	< 5 TCU	<=15	AO	Final
Conductivity	192 uS/cm			Final
Hardness (total, as CaCO3)	80 mg/L			Final
Hydroxide (as OH)	< 5 mg/L			Final
pH	7.49		Current Level	Final
Total Dissolved Solids / TDS (computed)	108 mg/L			Final
Total Suspended Solids / TSS	< 2 mg/L			Final
Turbidity	0.16 NTU	<=5	User-Defined	Final

Laboratory Report

Exova

Report Name:

Sample ID: 1377975-1 (continued)
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: DBC0 / PW 605-Raw Water (treated) / 7.9°C
Sampled: 09/18/2019 09:00

RADIONUCLIDES			Criteria & Type	Status
Uranium (total)	0.00017 mg/L	<=0.02	MAC	Final

Sample ID: 1377975-2
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: DBC0 / PW 605-Raw Water (treated) / 18.8°C
Sampled: 09/27/2019 11:10

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	0.005 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	0.005 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