

Laboratory Report

Exova

Report For: City of Prince George
 Received: 10/24/2018 14:51
 Report ID: 2331382
 Report Name:

Sample ID: 1303903-1
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 / 5.4°C
Sampled: 10/09/2018 14:00

INORGANIC		Criteria & Type	Status
Aluminum (total)	0.003 mg/L	<=0.1 Operational - Conventional	Final
Antimony (total)	0.00007 mg/L	<=0.006 MAC	Final
Arsenic (total)	0.0001 mg/L	Current Level	Final
Barium (total)	0.035 mg/L	<=1 MAC	Final
Beryllium (total)	< 0.00005 mg/L		Final
Bismuth (total)	< 0.0001 mg/L		Final
Boron (total)	0.002 mg/L	<=5 MAC	Final
Cadmium (total)	0.00002 mg/L	<=0.005 MAC	Final
Calcium (dissolved)	31 mg/L		Final
Calcium (total)	33 mg/L		Final
Chloride	11.9 mg/L	<=250 AO	Final
Chromium (total)	< 0.00005 mg/L	<=0.05 MAC	Final
Cobalt (total)	< 0.00002 mg/L		Final
Copper (total)	0.043 mg/L	<=1 AO	Final
Fluoride	0.02 mg/L	<=1.5 MAC	Final
Iron (total)	0.003 mg/L	<=0.3 AO	Final
Iron (total)	< 0.004 mg/L	<=0.3 AO	Final
Lead (total)	0.0046 mg/L	<=0.01 MAC	Final
Lithium (total)	< 0.0005 mg/L		Final
Magnesium (dissolved)	8.9 mg/L		Final
Magnesium (total)	9.0 mg/L		Final
Manganese (total)	0.002 mg/L	<=0.05 AO	Final
Manganese (total)	0.002 mg/L	<=0.05 AO	Final
Molybdenum (total)	0.0014 mg/L		Final
Nickel (total)	0.0009 mg/L		Final
Nitrate (as N)	0.09 mg/L		Final
Nitrite (as N)	< 0.01 mg/L		Final
o-Phosphate (dissolved, as P)	< 0.002 mg/L		Final
Potassium (dissolved)	1.1 mg/L		Final
Potassium (total)	1.1 mg/L		Final
Selenium (total)	0.0008 mg/L	<=0.05 MAC	Final



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Comment: 14C95 / PW660-Raw Water / 5.4°C
Sampled: 10/09/2018 14:00

INORGANIC		Criteria & Type		Status
Silicon (total, as Si)	4.1 mg/L			Final
Silver (total)	< 0.00001 mg/L			Final
Sodium (dissolved)	4.9 mg/L			Final
Sodium (total)	5.0 mg/L	<=200	AO	Final
Strontium (total)	0.14 mg/L			Final
Sulfur (total)	3.9 mg/L			Final
Sulphate	12.0 mg/L	<=500	AO	Final
Thallium (total)	< 0.00001 mg/L			Final
Tin (total)	< 0.0001 mg/L			Final
Titanium (total)	0.003 mg/L			Final
Uranium (total)	0.00031 mg/L	<=0.02	MAC	Final
Vanadium (total)	0.00010 mg/L			Final
Zinc (total)	0.0089 mg/L	<=5	AO	Final
Zirconium (total)	< 0.0001 mg/L			Final

MICROORGANISMS		Criteria & Type		Status
Escherichia coli / E. coli (MPN / PA)	< 1.0 MPN/100ml	<=0,P	Microbiological standard	Final
Fecal (thermal tolerant) Coliforms (counts)	< 1 CFU/100ml	<=0	Microbiological Standard	Final
Total Coliforms (MPN / PA)	< 1.0 MPN/100ml	<=0,P	User-Defined	Final

ORGANIC		Criteria & Type		Status
Bromodichloromethane	0.002 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	0.011 mg/L	<=0.1	Standard for TTHM expressed as a running annual average	Final
Dibromochloromethane	< 0.001 mg/L	<=0.1	IMAC for TTHM expressed as a running annual average	Final
Total Organic Carbon / TOC	2.2 mg/L			Final
Total Trihalomethanes / TTHM	0.013 mg/L	<=0.1	IMAC based on running annual average	Final

PHYSICAL		Criteria & Type		Status
Alkalinity (total, as CaCO3)	102 mg/L			Final
Bicarbonate (as HCO3)	124 mg/L			Final



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PHYSICAL			Criteria & Type	Status
Colour	< 5	TCU	<=15 AO	Final
Conductivity	256	uS/cm		Final
Hardness (total, as CaCO3)	114	mg/L		Final
Hydroxide (as OH)	< 5	mg/L		Final
pH	7.56		Current Level	Final
Total Dissolved Solids / TDS (computed)	143	mg/L		Final
Total Suspended Solids / TSS	2	mg/L		Final
Turbidity	0.05	NTU	<=5 User-Defined	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