

Laboratory Report

Exova

Report For: City of Prince George
 Received: 10/24/2018 14:51
 Report ID: 2331346
 Report Name:

Sample ID: 1303867-1
Water System: Core Water System
Source: PW 624 and PW 621 Wells
Facility: PW 624 Well Pumphouse
Sampling Pt: PW 624 Pumphouse Well 1 raw water (PW624-1-SR, DBA5)
Comment: DBA5 / PW624-Raw Water / 5.5°C
Sampled: 10/09/2018 11:00

INORGANIC		Criteria & Type	Status
Aluminum (total)	0.006 mg/L	<=0.1 Operational - Conventional	Final
Antimony (total)	0.00009 mg/L	<=0.006 MAC	Final
Arsenic (total)	0.0011 mg/L	Current Level	Final
Barium (total)	0.047 mg/L	<=1 MAC	Final
Beryllium (total)	< 0.00005 mg/L		Final
Bismuth (total)	< 0.0001 mg/L		Final
Boron (total)	0.012 mg/L	<=5 MAC	Final
Cadmium (total)	0.00004 mg/L	<=0.005 MAC	Final
Calcium (dissolved)	44 mg/L		Final
Calcium (total)	46 mg/L		Final
Chloride	14.6 mg/L	<=250 AO	Final
Chromium (total)	< 0.00005 mg/L	<=0.05 MAC	Final
Cobalt (total)	0.00002 mg/L		Final
Copper (total)	0.047 mg/L	<=1 AO	Final
Fluoride	0.03 mg/L	<=1.5 MAC	Final
Iron (total)	0.013 mg/L	<=0.3 AO	Final
Iron (total)	0.004 mg/L	<=0.3 AO	Final
Lead (total)	0.0027 mg/L	<=0.01 MAC	Final
Lithium (total)	0.0033 mg/L		Final
Magnesium (dissolved)	15 mg/L		Final
Magnesium (total)	15 mg/L		Final
* Manganese (total)	0.11 mg/L	<=0.05 AO	Final
* Manganese (total)	0.12 mg/L	<=0.05 AO	Final
Molybdenum (total)	0.0019 mg/L		Final
Nickel (total)	0.0006 mg/L		Final
Nitrate (as N)	0.07 mg/L		Final
Nitrite (as N)	< 0.01 mg/L		Final
o-Phosphate (dissolved, as P)	0.020 mg/L		Final
Potassium (dissolved)	2.8 mg/L		Final
Potassium (total)	2.8 mg/L		Final
Selenium (total)	0.0007 mg/L	<=0.05 MAC	Final



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Comment: DBA5 / PW624-Raw Water / 5.5°C
Sampled: 10/09/2018 11:00

INORGANIC		Criteria & Type	Status
Silicon (total, as Si)	6.8 mg/L		Final
Silver (total)	< 0.00001 mg/L		Final
Sodium (dissolved)	7.0 mg/L		Final
Sodium (total)	7.1 mg/L	<=200 AO	Final
Strontium (total)	0.32 mg/L		Final
Sulfur (total)	5.1 mg/L		Final
Sulphate	15.1 mg/L	<=500 AO	Final
Thallium (total)	< 0.00001 mg/L		Final
Tin (total)	0.0001 mg/L		Final
Titanium (total)	0.004 mg/L		Final
Uranium (total)	0.0019 mg/L	<=0.02 MAC	Final
Vanadium (total)	0.00097 mg/L		Final
Zinc (total)	0.14 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	< 0.001 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	< 0.001 mg/L	<=0.1 IMAC for TTHM expressed as a running annual average	Final
Total Organic Carbon / TOC	1.5 mg/L		Final
Total Trihalomethanes / TTHM	< 0.001 mg/L	<=0.1 IMAC based on running annual average	Final

PHYSICAL		Criteria & Type	Status
Alkalinity (total, as CaCO3)	158 mg/L		Final
Bicarbonate (as HCO3)	192 mg/L		Final



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PHYSICAL			Criteria & Type	Status
Colour	< 5	TCU	<=15 AO	Final
Conductivity	370	uS/cm		Final
Hardness (total, as CaCO3)	170	mg/L		Final
Hydroxide (as OH)	< 5	mg/L		Final
pH	7.94		Current Level	Final
Total Dissolved Solids / TDS (computed)	213	mg/L		Final
Total Suspended Solids / TSS	< 2.0	mg/L		Final
Turbidity	0.11	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