

Laboratory Report

Exova

Report For: City of Prince George
Received: 10/24/2018 15:00
Report ID: 2331392
Report Name:

Sample ID: 1303911-1
Water System: Core Water System
Source: PW 601 Well
Facility: PW 601 Well Pumphouse
Sampling Pt: PW 601 Pumphouse raw water (PW601-1-SR, DBB1)
Comment: DBB1 / PW601- Raw water / 5.4°C
Sampled: 10/09/2018 13:00

INORGANIC			Criteria & Type	Status
Aluminum (total)	0.001	mg/L	<=0.1 Operational - Conventional	Final
Antimony (total)	0.00019	mg/L	<=0.006 MAC	Final
Arsenic (total)	0.0005	mg/L	Current Level	Final
Barium (total)	0.021	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)	35	mg/L		Final
Calcium (total)	37	mg/L		Final
Chloride	8.44	mg/L	<=250 AO	Final
Chromium (total)	< 0.00005	mg/L	<=0.05 MAC	Final
Cobalt (total)	< 0.00002	mg/L		Final
Copper (total)	0.016	mg/L	<=1 AO	Final
Fluoride	0.02	mg/L	<=1.5 MAC	Final
Iron (total)	< 0.002	mg/L	<=0.3 AO	Final
Iron (total)	< 0.004	mg/L	<=0.3 AO	Final
Lead (total)	0.00048	mg/L	<=0.01 MAC	Final
Lithium (total)	0.0011	mg/L		Final
Magnesium (dissolved)	9.9	mg/L		Final
Magnesium (total)	10	mg/L		Final
Manganese (total)	0.005	mg/L	<=0.05 AO	Final
Manganese (total)	0.006	mg/L	<=0.05 AO	Final
Molybdenum (total)	0.0010	mg/L		Final
Nickel (total)	0.0005	mg/L		Final
Nitrate (as N)	0.19	mg/L		Final
Nitrite (as N)	< 0.01	mg/L		Final
o-Phosphate (dissolved, as P)	< 0.002	mg/L		Final
Potassium (dissolved)	1.4	mg/L		Final
Potassium (total)	1.4	mg/L		Final
Selenium (total)	0.0013	mg/L	<=0.05 MAC	Final



Laboratory Report

Exova

Report Name:

Sample ID: 1303911-1 (continued)
Water System: Core Water System
Source: PW 601 Well
Facility: PW 601 Well Pumphouse
Sampling Pt: PW 601 Pumphouse raw water (PW601-1-SR, DBB1)
Comment: DBB1 / PW601- Raw water / 5.4°C
Sampled: 10/09/2018 13:00

INORGANIC		Criteria & Type		Status
Silicon (total, as Si)	5.5 mg/L			Final
Silver (total)	< 0.00001 mg/L			Final
Sodium (dissolved)	3.7 mg/L			Final
Sodium (total)	3.7 mg/L	<=200	AO	Final
Strontium (total)	0.15 mg/L			Final
Sulfur (total)	3.9 mg/L			Final
Sulphate	11.4 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)	0.00033 mg/L	<=0.02	MAC	Final
Vanadium (total)	0.00079 mg/L			Final
Zinc (total)	0.021 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)	115 mg/L			Final
Bicarbonate (as HCO3)	140 mg/L			Final



Laboratory Report

Exova

Report Name:

Sample ID: 1303911-1 (continued)
Water System: Core Water System
Source: PW 601 Well
Facility: PW 601 Well Pumphouse
Sampling Pt: PW 601 Pumphouse raw water (PW601-1-SR, DBB1)
Comment: DBB1 / PW601- Raw water / 5.4°C
Sampled: 10/09/2018 13:00

PHYSICAL			Criteria & Type	Status
Colour	< 5	TCU	<=15 AO	Final
Conductivity	280	uS/cm		Final
Hardness (total, as CaCO3)	129	mg/L		Final
Hydroxide (as OH)	< 5	mg/L		Final
pH	7.78		Current Level	Final
Total Dissolved Solids / TDS (computed)	155	mg/L		Final
Total Suspended Solids / TSS	2	mg/L		Final
Turbidity	0.07	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