

Laboratory Report

Exova

Report For: City of Prince George
Received: 10/11/2019 15:39
Report ID: 2445340
Report Name:

Sample ID: 1377946-1
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: 09/18/2019 09:00

INORGANIC			Criteria & Type	Status
Aluminum (total)	< 0.001	mg/L	<=0.1 Operational - Conventional	Final
Antimony (total)	0.00022	mg/L	<=0.006 MAC	Final
Arsenic (total)	0.0006	mg/L	Current Level	Final
Barium (total)	0.023	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)	38	mg/L		Final
Calcium (total)	38	mg/L		Final
Chloride	9.76	mg/L	<=250 AO	Final
Chromium (total)	< 0.00005	mg/L	<=0.05 MAC	Final
Cobalt (total)	< 0.00002	mg/L		Final
Copper (total)	0.0006	mg/L	<=1 AO	Final
Fluoride	0.11	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)	0.00002	mg/L	<=0.005 MAC	Final
Lithium (total)	0.0012	mg/L		Final
Magnesium (dissolved)	11	mg/L		Final
Magnesium (total)	10	mg/L		Final
Manganese (total)	0.008	mg/L	<=0.02 AO	Final
Manganese (total)	0.010	mg/L	<=0.02 AO	Final
Molybdenum (total)	0.0012	mg/L		Final
Nickel (total)	0.0007	mg/L		Final
Nitrate (as N)	0.24	mg/L		Final
Nitrite (as N)	< 0.01	mg/L		Final
o-Phosphate (dissolved, as P)	0.005	mg/L		Final
Potassium (dissolved)	1.4	mg/L		Final
Potassium (total)	1.4	mg/L		Final
Selenium (total)	0.0017	mg/L	<=0.05 MAC	Final

Laboratory Report

Exova

Report Name:

Sample ID: 1377946-1 (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: 09/18/2019 09:00

INORGANIC		Criteria & Type		Status
Silicon (total, as Si)	5.6 mg/L			Final
Silver (total)	< 0.00001 mg/L			Final
Sodium (dissolved)	3.9 mg/L			Final
Sodium (total)	4.0 mg/L	<=200	AO	Final
Strontium (total)	0.16 mg/L			Final
Sulfur (total)	3.7 mg/L			Final
Sulphate	10.9 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
Vanadium (total)	0.00076 mg/L			Final
Zinc (total)	0.0024 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
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 Organic Carbon / TOC	1.3 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)	135 mg/L			Final
Bicarbonate (as HCO3)	165 mg/L			Final
Carbonate (as CO3)	< 6 mg/L			Final



Colour

< 5 TCU

<=15

AO

Final

Laboratory Report

Exova

Report Name:

Sample ID: 1377946-1 (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: 09/18/2019 09:00

PHYSICAL		Criteria & Type		Status
Conductivity	300 uS/cm			Final
Hardness (total, as CaCO3)	138 mg/L			Final
Hydroxide (as OH)	< 5 mg/L			Final
pH	7.87		Current Level	Final
Total Dissolved Solids / TDS (computed)	171 mg/L			Final
Total Suspended Solids / TSS	< 2 mg/L			Final
Turbidity	< 0.10 NTU	<=5	User-Defined	Final
RADIONUCLIDES		Criteria & Type		Status
Uranium (total)	0.00038 mg/L	<=0.02	MAC	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