Report For: City of Prince George Received: 04/16/2019 16:40

Report ID: 2392599

Report Name:

Sample ID: 1342257-1

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: 04/02/2019 08:20

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)	0.0005	mg/L		Current Level	Final
Barium (total)	0.020	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)	39	mg/L			Final
Calcium (total)	37	mg/L			Final
Chloride	7.53	mg/L	<=250	AO	Final
Chromium (total)	< 0.00005	mg/L	<=0.05	MAC	Final
Cobalt (total)	< 0.00002	mg/L			Final
Copper (total)	0.0008	mg/L	<=1	AO	Final
Fluoride	0.06	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)	0.00001	mg/L	<=0.005	MAC	Final
Lithium (total)	0.0009	mg/L			Final
Magnesium (dissolved)	10	mg/L			Final
Magnesium (total)	9.8	mg/L			Final
Manganese (total)	0.010	mg/L	<=0.05	AO	Final
Manganese (total)	0.011	mg/L	<=0.05	AO	Final
Molybdenum (total)	0.00099	mg/L			Final
Nickel (total)	0.0003	mg/L			Final
Nitrate (as N)	0.18	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)	0.0008	mg/L	<=0.05	MAC	Final

Report created on 05/10/2019 14:09:32

Report Name:

Sample ID: 1342257-1 (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: 04/02/2019 08:20

Silicon (total, as Si)	INORGANIC			Criteria & 1	Гуре	Status
Sodium (dissolved)	Silicon (total, as Si)	5.7	mg/L			Final
Sodium (total)	Silver (total)	0.00003	mg/L			Final
Strontium (total)  Sulfur (total)  3.2 mg/L  Final  Sulphate  9.1 mg/L  <=500 AO  Final  Final  Sulphate  9.1 mg/L  Tallium (total)  0.00001 mg/L  Titallium (total)  1 in (total)  0.00001 mg/L  Titanium (total)  0.00082 mg/L  Vanadium (total)  0.00002 mg/L  Vanadium (total)  0.00007 mg/L  Zinc (total)  0.00007 mg/L  Zirconium (total)  0.00004 mg/L  Criteria & Type  Status  Escherichia coli / E. coli (MPN)  Final  MICROORGANISMS  Escherichia coli / E. coli (MPN)  Fecal (thermal tolerant) Coliforms  (counts)  Total Coliforms (MPN)  Criteria & Type  Status  Fecal (thermal tolerant)  Final  Standard  Standard  Final  Criteria & Type  Status  Final  MAC for TTHM  expressed as a running annual average  Bromodichloromethane  (dichlorobromomethane)  Chloroform  Chloroform  Chloroform  Chloroform  Chloroform  Chlorodibromomethane	Sodium (dissolved)	4.0	mg/L			Final
Sulfur (total)       3.2 mg/L       mg/L       <=500       AO       Final         Sulphate       9.1 mg/L       <=500	Sodium (total)	4.0	mg/L	<=200	AO	Final
Sulphate       9.1 mg/L       <=500       AO       Final         Thallium (total)       0.00001 mg/L       Final       Final         Tin (total)       < 0.0001 mg/L	Strontium (total)	0.15	mg/L			Final
Thallium (total) 0.00001 mg/L Final Tin (total) < 0.0001 mg/L Final Titanium (total) 0.003 mg/L Final Titanium (total) 0.00082 mg/L Final Titanium (total) 0.00082 mg/L Final Zirc (total) 0.0007 mg/L <=5 AO Final Zirconium (total) 0.0004 mg/L Final Zirconium (total) 0.0004 mg/L Final Zirconium (total) 0.0004 mg/L Final Zirconium (total) Coliforms (MPN) 10.0004 mg/L Final Zirconium (total) Pecal (thermal tolerant) Coliforms 11.0 MPN/100ml	Sulfur (total)	3.2	mg/L			Final
Tin (total) < 0.0001 mg/L  Titanium (total) 0.003 mg/L  Vanadium (total) 0.00082 mg/L  Zinc (total) 0.0007 mg/L  Zirconium (total) 0.0007 mg/L  Zirconium (total) 0.0004 mg/L  Escherichia coli / E. coli (MPN) 100ml  Fecal (thermal tolerant) Coliforms 100ml  Fecal (thermal tolerant) Coliforms 100ml  Fecal (thermal tolerant) Coliforms 100ml  For total Coliforms (MPN) 100ml  Criteria & Type 100ml  Standard 100ml  Final Tinal Xitandard 100ml  Fecal (thermal tolerant) Coliforms 100ml  Final Standard 100ml  Final Yimp 100ml  Fin	Sulphate	9.1	mg/L	<=500	AO	Final
Titanium (total) 0.003 mg/L Final Vanadium (total) 0.00082 mg/L Final Zinc (total) 0.0007 mg/L <=5 AO Final Zirconium (total) 0.0004 mg/L <=5 AO Final Zirconium (total) 0.0004 mg/L <=5 AO Final Zirconium (total) 0.0004 mg/L <=0.P Microbiological Standard Final Standard Standard Final Standard Standa	Thallium (total)	0.00001	mg/L			Final
Vanadium (total)       0.00082 mg/L       ====================================	Tin (total)	< 0.0001	mg/L			Final
Zinc (total)       0.0007 mg/L       <=5       AO       Final         Zirconium (total)       0.0004 mg/L       <=5	Titanium (total)	0.003	mg/L			Final
Zirconium (total)       0.0004 mg/L       Final         MICROORGANISMS       Criteria & Type       Status         Escherichia coli / E. coli (MPN)       < 1.0 MPN/100ml	Vanadium (total)	0.00082	mg/L			Final
MICROORGANISMS       Criteria & Type       Status         Escherichia coli / E. coli (MPN)       < 1.0 MPN/100ml	Zinc (total)	0.0007	mg/L	<=5	AO	Final
Escherichia coli / E. coli (MPN)	Zirconium (total)	0.0004	mg/L			Final
Escherichia coli / E. coli (MPN) <ul> <li>&lt; 1.0 MPN/100ml</li> <li>&lt;=0,P</li> <li>Microbiological standard</li> <li>Final standard</li> <li>Fecal (thermal tolerant) Coliforms (counts)</li> <li>Total Coliforms (MPN)</li> <li>&lt; 1.0 MPN/100ml</li> <li>&lt;=0,P</li> <li>User-Defined</li> <li>Final Standard</li> <li>Final Standard</li> <li>Standard</li> <li>Final Standard</li> <li>Final Expressed as a running annual average</li> <li>Chloroform</li> <li>&lt; 0.001 mg/L</li> <li>&lt;=0.1 Standard for TTHM expressed as a running annual average</li> <li>Chlorodioromethane (Chlorodibromomethane)</li> <li>&lt; 0.001 mg/L</li> <li>&lt;=0.1 IMAC for TTHM expressed as a running annual average</li> <li>Final expressed as a running annual average</li> <li>&lt; 0.001 mg/L</li> <li>&lt;=0.1 IMAC for TTHM expressed as a running annual average</li> </ul>	MICROORGANISMS			Criteria & Type		Status
Total Coliforms (MPN)	Escherichia coli / E. coli (MPN)	< 1.0	MPN/100ml		Microbiological	Final
ORGANIC       Criteria & Type       Status         Bromodichloromethane (dichlorobromomethane)       < 0.001 mg/L		< 1	CFU/100ml	<=0		Final
Bromodichloromethane (dichlorobromomethane)  Standard for TTHM Final expressed as a running annual average  Bromoform  Standard for TTHM expressed as a running annual average  Chloroform  Chloroform  Chlorodibromomethane (Chlorodibromomethane)  Chlorodibromomethane (Chlorodibromomethane)  Standard for TTHM expressed as a running annual average  Standard for TTHM expressed as a running annual average  Chlorodibromomethane (Chlorodibromomethane)	Total Coliforms (MPN)	< 1.0	MPN/100ml	<=0,P	User-Defined	Final
(dichlorobromomethane)  Bromoform <ul> <li>&lt; 0.001 mg/L</li> <li>&lt;=0.1</li> <li>IMAC for TTHM Final expressed as a running annual average</li> </ul> Chloroform <ul> <li>&lt; 0.001 mg/L</li> <li>&lt;=0.1</li> </ul> Standard for Final TTHM expressed as a running annual average  Dibromochloromethane  (Chlorodibromomethane) <ul> <li>&lt; 0.001 mg/L</li> <li>&lt;=0.1</li> </ul> IMAC for TTHM Final expressed as a running annual average  Dibromochloromethane  (Chlorodibromomethane) <ul> <li>&lt; 0.001 mg/L</li> <li>&lt;=0.1</li> </ul> IMAC for TTHM Final expressed as a running annual average	ORGANIC			Criteria & 1	Гуре	Status
Chloroform < 0.001 mg/L <=0.1 Standard for TTHM expressed as a running annual average  Dibromochloromethane (Chlorodibromomethane) < 0.001 mg/L <=0.1 IMAC for TTHM Final expressed as a running annual average		< 0.001	mg/L	<=0.1	expressed as a running annual	Final
TTHM expressed as a running annual average  Dibromochloromethane < 0.001 mg/L <=0.1 IMAC for TTHM Final expressed as a running annual average are running annual average	Bromoform	< 0.001	mg/L	<=0.1	expressed as a running annual	Final
(Chlorodibromomethane) expressed as a running annual average	Chloroform	< 0.001	mg/L	<=0.1	TTHM expresse as a running	
Total Organic Carbon / TOC 1.9 mg/l	2.0.0	< 0.001	mg/L	<=0.1	expressed as a running annual	Final
Total Organic Carbon / TOC 1.9 http://c	Total Organic Carbon / TOC	1.9	mg/L			Final
Total Trihalomethanes / TTHM < 0.001 mg/L <=0.1 IMAC based on Final running annual average	Total Trihalomethanes / TTHM	< 0.001	mg/L	<=0.1	running annual	Final
PHYSICAL Criteria & Type Status	PHYSICAL			Criteria & 1	Гуре	Status
Alkalinity (total, as CaCO3) 125 mg/L Final	Alkalinity (total, as CaCO3)	125	mg/L			Final
Bicarbonate (as HCO3) 152 mg/L Final	Bicarbonate (as HCO3)	152	mg/L			Final
Carbonate (as CO3) < 6 mg/L Final	Carbonate (as CO3)	< 6	mg/L			Final
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**Laboratory Report** 

**Exova** 

Report Name:

Sample ID: 1342257-1 (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: 04/02/2019 08:20

PHYSICAL			Criteria & Ty	/pe	Status
Conductivity	280	uS/cm			Final
Hardness (total, as CaCO3)	140	mg/L			Final
Hydroxide (as OH)	< 5	mg/L			Final
рН	7.90			Current Level	Final
Total Dissolved Solids / TDS (computed)	163	mg/L			Final
Total Suspended Solids / TSS	< 2	mg/L			Final
Turbidity	< 0.05	NTU	<=5	User-Defined	Final
RADIONUCLIDES			Criteria & Ty	/pe	Status
Uranium (total)	0.00034	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

