

Report For: City of Prince George  
 Received: 04/16/2019 16:40  
 Report ID: 2392586  
 Report Name:

**Sample ID:** 1342246-1  
 Water System: BCR Danson Industrial Water System  
 Source: PW 627 Well  
 Facility: PW 627 Well Pumphouse  
 Sampling Pt: PW 627 Pumphouse raw water (PW627-2-SR, DB94)  
 Comment: DB94 / PW627-Raw Water / 6.2°C  
 Sampled: 04/02/2019 12:40

INORGANIC		Criteria & Type	Status
Aluminum (total)	0.003 mg/L	<=0.1 Operational - Conventional	Final
Antimony (total)	0.00006 mg/L	<=0.006 MAC	Final
Arsenic (total)	0.0003 mg/L	Current Level	Final
Barium (total)	0.066 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)	95 mg/L		Final
Calcium (total)	88 mg/L		Final
Chloride	17.5 mg/L	<=250 AO	Final
Chromium (total)	< 0.00005 mg/L	<=0.05 MAC	Final
Cobalt (total)	< 0.00002 mg/L		Final
Copper (total)	0.0005 mg/L	<=1 AO	Final
Fluoride	0.3 mg/L	<=1.5 MAC	Final
Iron (total)	0.073 mg/L	<=0.3 AO	Final
Iron (total)	0.081 mg/L	<=0.3 AO	Final
Lead (total)	0.00005 mg/L	<=0.005 MAC	Final
Lithium (total)	0.0046 mg/L		Final
Magnesium (dissolved)	26 mg/L		Final
Magnesium (total)	24 mg/L		Final
Manganese (total)	0.020 mg/L	<=0.05 AO	Final
Manganese (total)	0.022 mg/L	<=0.05 AO	Final
Molybdenum (total)	0.00097 mg/L		Final
Nickel (total)	< 0.0002 mg/L		Final
Nitrate (as N)	0.5 mg/L		Final
Nitrite (as N)	< 0.1 mg/L		Final
o-Phosphate (dissolved, as P)	0.011 mg/L		Final
Potassium (dissolved)	2.4 mg/L		Final
Potassium (total)	2.3 mg/L		Final
Selenium (total)	0.0022 mg/L	<=0.05 MAC	Final



# Laboratory Report

Exova

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**Sampling Pt:** PW 627 Pumphouse raw water (PW627-2-SR, DB94)  
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**Sampled:** 04/02/2019 12:40

INORGANIC		Criteria & Type		Status
Silicon (total, as Si)	9.6 mg/L			Final
Silver (total)	0.00004 mg/L			Final
Sodium (dissolved)	8.5 mg/L			Final
Sodium (total)	8.3 mg/L	<=200	AO	Final
Strontium (total)	0.40 mg/L			Final
Sulfur (total)	4.5 mg/L			Final
Sulphate	12 mg/L	<=500	AO	Final
Thallium (total)	0.00001 mg/L			Final
Tin (total)	< 0.0001 mg/L			Final
Titanium (total)	0.007 mg/L			Final
Vanadium (total)	0.00042 mg/L			Final
Zinc (total)	0.0009 mg/L	<=5	AO	Final
Zirconium (total)	0.0005 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	1.4 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)	296 mg/L			Final
Bicarbonate (as HCO3)	361 mg/L			Final
Carbonate (as CO3)	< 6 mg/L			Final



Colour

< 5 TCU

<=15

AO

Final

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PHYSICAL		Criteria & Type		Status
Conductivity	628 uS/cm			Final
Hardness (total, as CaCO3)	340 mg/L			Final
Hydroxide (as OH)	< 5 mg/L			Final
pH	7.82		Current Level	Final
Total Dissolved Solids / TDS (computed)	368 mg/L			Final
Total Suspended Solids / TSS	< 2 mg/L			Final
Turbidity	0.55 NTU	<=5	User-Defined	Final
RADIONUCLIDES		Criteria & Type		Status
Uranium (total)	0.0062 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