

# Laboratory Report

Exova

Report For: City of Prince George  
 Received: 04/16/2019 16:51  
 Report ID: 2392628  
 Report Name:

**Sample ID:** 1342281-1  
**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 / 7.8°C  
**Sampled:** 04/02/2019 11:30

INORGANIC			Criteria & Type	Status
Aluminum (total)	< 0.001	mg/L	<=0.1 Operational - Conventional	Final
Antimony (total)	0.00011	mg/L	<=0.006 MAC	Final
Arsenic (total)	0.0010	mg/L	Current Level	Final
Barium (total)	0.043	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)	52	mg/L		Final
Calcium (total)	47	mg/L		Final
Chloride	15.7	mg/L	<=250 AO	Final
Chromium (total)	< 0.00005	mg/L	<=0.05 MAC	Final
Cobalt (total)	< 0.00002	mg/L		Final
Copper (total)	0.036	mg/L	<=1 AO	Final
Fluoride	0.07	mg/L	<=1.5 MAC	Final
Iron (total)	0.017	mg/L	<=0.3 AO	Final
Iron (total)	0.016	mg/L	<=0.3 AO	Final
Lead (total)	0.0025	mg/L	<=0.005 MAC	Final
Lithium (total)	0.0030	mg/L		Final
Magnesium (dissolved)	16	mg/L		Final
Magnesium (total)	14	mg/L		Final
<b>* Manganese (total)</b>	<b>0.069</b>	<b>mg/L</b>	<b>&lt;=0.05 AO</b>	<b>Final</b>
<b>* Manganese (total)</b>	<b>0.077</b>	<b>mg/L</b>	<b>&lt;=0.05 AO</b>	<b>Final</b>
Molybdenum (total)	0.0016	mg/L		Final
Nickel (total)	0.0005	mg/L		Final
Nitrate (as N)	0.05	mg/L		Final
Nitrite (as N)	< 0.01	mg/L		Final
o-Phosphate (dissolved, as P)	0.026	mg/L		Final
Potassium (dissolved)	3.1	mg/L		Final
Potassium (total)	3.0	mg/L		Final
Selenium (total)	0.0004	mg/L	<=0.05 MAC	Final



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**Facility:** PW 624 Well Pumphouse  
**Sampling Pt:** PW 624 Pumphouse Well 1 raw water (PW624-1-SR, DBA5)  
**Comment:** DBA5 / PW624-Raw Water / 7.8°C  
**Sampled:** 04/02/2019 11:30

INORGANIC		Criteria & Type		Status
Silicon (total, as Si)	6.6 mg/L			Final
Silver (total)	0.00001 mg/L			Final
Sodium (dissolved)	7.7 mg/L			Final
Sodium (total)	7.3 mg/L	<=200	AO	Final
Strontium (total)	0.31 mg/L			Final
Sulfur (total)	5.1 mg/L			Final
Sulphate	15.3 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)	0.00095 mg/L			Final
Zinc (total)	0.13 mg/L	<=5	AO	Final
Zirconium (total)	0.0002 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	1.6 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)	166 mg/L			Final
Bicarbonate (as HCO3)	202 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	391 uS/cm			Final
Hardness (total, as CaCO3)	190 mg/L			Final
Hydroxide (as OH)	< 5 mg/L			Final
pH	7.91		Current Level	Final
Total Dissolved Solids / TDS (computed)	228 mg/L			Final
Total Suspended Solids / TSS	< 2 mg/L			Final
Turbidity	0.13 NTU	<=5	User-Defined	Final
RADIONUCLIDES		Criteria & Type		Status
Uranium (total)	0.0018 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