

Report For: City of Prince George  
 Received: 10/07/2019 15:11  
 Report ID: 2446497  
 Report Name:

**Sample ID:** 1377965-1  
 Water System: Western Acres Water System  
 Source: PW 625 Well  
 Facility: PW 625 Pumphouse  
 Sampling Pt: PW 625 Pumphouse raw water (PW625-2-SR, DB88)  
 Comment: DB88 / PW625-Raw Water / 8.9°C  
 Sampled: 09/18/2019 11:30

INORGANIC			Criteria & Type	Status
Aluminum (total)	< 0.001	mg/L	<=0.1 Operational - Conventional	Final
Antimony (total)	0.00002	mg/L	<=0.006 MAC	Final
Arsenic (total)	0.0002	mg/L	Current Level	Final
Barium (total)	0.062	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)	66	mg/L		Final
Calcium (total)	66	mg/L		Final
Chloride	0.25	mg/L	<=250 AO	Final
Chromium (total)	0.0088	mg/L	<=0.05 MAC	Final
Cobalt (total)	< 0.00002	mg/L		Final
Copper (total)	0.0017	mg/L	<=1 AO	Final
Fluoride	0.15	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)	0.00018	mg/L	<=0.005 MAC	Final
Lithium (total)	0.0011	mg/L		Final
Magnesium (dissolved)	27	mg/L		Final
Magnesium (total)	27	mg/L		Final
Manganese (total)	< 0.001	mg/L	<=0.02 AO	Final
Manganese (total)	< 0.001	mg/L	<=0.02 AO	Final
Mercury (total)	< 0.00001	mg/L	<=0.001 MAC	Final
Molybdenum (total)	0.0013	mg/L		Final
Nickel (total)	0.0003	mg/L		Final
Nitrate (as N)	0.13	mg/L		Final
Nitrite (as N)	< 0.01	mg/L		Final
o-Phosphate (dissolved, as P)	0.008	mg/L		Final
Potassium (dissolved)	1.4	mg/L		Final
Potassium (total)	1.4	mg/L		Final



# Laboratory Report

Exova

Report Name:

**Sample ID:** 1377965-1 (continued)  
**Water System:** Western Acres Water System  
**Source:** PW 625 Well  
**Facility:** PW 625 Pumphouse  
**Sampling Pt:** PW 625 Pumphouse raw water (PW625-2-SR, DB88)  
**Comment:** DB88 / PW625-Raw Water / 8.9°C  
**Sampled:** 09/18/2019 11:30

INORGANIC		Criteria & Type	Status
Selenium (total)	0.0015 mg/L	<=0.05 MAC	Final
Silicon (total, as Si)	11 mg/L		Final
Silver (total)	< 0.00001 mg/L		Final
Sodium (dissolved)	9.6 mg/L		Final
Sodium (total)	9.8 mg/L	<=200 AO	Final
Strontium (total)	0.35 mg/L		Final
Sulfur (total)	4.9 mg/L		Final
Sulphate	14.0 mg/L	<=500 AO	Final
Thallium (total)	< 0.00001 mg/L		Final
Tin (total)	< 0.0001 mg/L		Final
Titanium (total)	0.006 mg/L		Final
Vanadium (total)	0.0027 mg/L		Final
Zinc (total)	0.0061 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
Total Organic Carbon / TOC	0.7 mg/L		Final
PHYSICAL		Criteria & Type	Status
Alkalinity (total, as CaCO3)	312 mg/L		Final
Bicarbonate (as HCO3)	381 mg/L		Final
Carbonate (as CO3)	< 6 mg/L		Final
Colour	< 5 TCU	<=15 AO	Final
Conductivity	552 uS/cm		Final
Hardness (total, as CaCO3)	280 mg/L		Final
Hydroxide (as OH)	< 5 mg/L		Final
pH	8.06	Current Level	Final
Total Dissolved Solids / TDS (computed)	335 mg/L		Final
Total Suspended Solids / TSS	< 2 mg/L		Final
Turbidity	0.27 NTU	<=5 User-Defined	Final



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**Facility:** PW 625 Pumphouse  
**Sampling Pt:** PW 625 Pumphouse raw water (PW625-2-SR, DB88)  
**Comment:** DB88 / PW625-Raw Water / 8.9°C  
**Sampled:** 09/18/2019 11:30

RADIONUCLIDES		Criteria & Type		Status
Uranium (total)	0.0049 mg/L	<=0.02	MAC	Final

**Sample ID:** 1377965-2  
**Water System:** Western Acres Water System  
**Source:** PW 625 Well  
**Facility:** PW 625 Pumphouse  
**Sampling Pt:** PW 625 Pumphouse raw water (PW625-2-SR, DB88)  
**Comment:** DB88 / PW625-Raw Water / 18.8°C  
**Sampled:** 09/27/2019 12:10

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 Trihalomethanes / TTHM	< 0.001 mg/L	<=0.1	IMAC based on running annual average	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

