

Report For: City of Prince George
 Received: 11/21/2021 13:53
 Report ID: 21J2890
 Report Name: 21J2890_FINAL_WaterTrax_21_Nov_21_1352.txt

Sample ID: 21J2890-01
 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: Generated by File Transfer
 Sampled: 10/20/2021 11:00

INORGANIC		Criteria & Type		Status
Aluminum (dissolved)	< 0.0050 mg/L			Final
Aluminum (total)	0.0287 mg/L	<=0.1	Operational - Conventional	Final
Ammonia (total, as N)	< 0.050 mg/L			Final
Antimony (dissolved)	< 0.00020 mg/L			Final
Antimony (total)	< 0.00020 mg/L	<=0.006	MAC	Final
Arsenic (dissolved)	0.00095 mg/L			Final
Arsenic (total)	0.00101 mg/L		Current Level	Final
Barium (dissolved)	0.0296 mg/L			Final
Barium (total)	0.0295 mg/L	<=2	MAC	Final
Beryllium (dissolved)	< 0.00010 mg/L			Final
Beryllium (total)	< 0.00010 mg/L			Final
Bismuth (dissolved)	< 0.00010 mg/L			Final
Bismuth (total)	< 0.00010 mg/L			Final
Boron (dissolved)	< 0.0500 mg/L			Final
Boron (total)	< 0.0500 mg/L	<=5	MAC	Final
Bromide	< 0.10 mg/L			Final
Cadmium (dissolved)	< 0.000010 mg/L			Final
Cadmium (total)	0.000012 mg/L	<=0.005	MAC	Final
Calcium (dissolved)	34.1 mg/L			Final
Calcium (total)	34.5 mg/L			Final
Chloride	9.49 mg/L	<=250	AO	Final
Chromium (extractable)	< 0.00050 mg/L			Final
Chromium (total)	< 0.00050 mg/L	<=0.05	MAC	Final
Cobalt (dissolved)	< 0.00010 mg/L			Final
Cobalt (total)	< 0.00010 mg/L			Final
Copper (extractable)	0.0133 mg/L			Final
Copper (total)	0.0114 mg/L	<=1	AO	Final
Fluoride	< 0.10 mg/L	<=1.5	MAC	Final
Iron (dissolved)	< 0.010 mg/L			Final
Iron (total)	< 0.010 mg/L	<=0.3	AO	Final
Lead (dissolved)	0.00063 mg/L			Final



Laboratory Report**Caro Analytical Services**

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INORGANIC		Criteria & Type	Status
Lead (total)	0.00059 mg/L	<=0.005 MAC	Final
Lithium (dissolved)	0.00216 mg/L		Final
Lithium (total)	0.00241 mg/L		Final
Magnesium (dissolved)	10.4 mg/L		Final
Magnesium (total)	10.6 mg/L		Final
Manganese (dissolved)	0.0117 mg/L		Final
Manganese (total)	0.0114 mg/L	<=0.02 AO	Final
Mercury (dissolved)	< 0.000010 mg/L		Final
Mercury (total)	< 0.000010 mg/L	<=0.001 MAC	Final
Molybdenum (dissolved)	0.00182 mg/L		Final
Molybdenum (total)	0.00188 mg/L		Final
Nickel (dissolved)	< 0.00040 mg/L		Final
Nickel (total)	< 0.00040 mg/L		Final
Nitrate (as N)	< 0.010 mg/L		Final
Nitrate + Nitrite (as N)	< 0.0100 mg/L		Final
Nitrite (as N)	< 0.010 mg/L		Final
o-Phosphate (as P)	< 0.0050 mg/L		Final
Phosphorus (total dissolved)	< 0.050 mg/L		Final
Phosphorus (total)	< 0.050 mg/L		Final
Potassium (dissolved)	2.02 mg/L		Final
Potassium (total)	2.04 mg/L		Final
Selenium (dissolved)	< 0.00050 mg/L		Final
Selenium (total)	< 0.00050 mg/L	<=0.05 MAC	Final
Silicon (dissolved, as Si)	6.3 mg/L		Final
Silicon (total, as Si)	6.4 mg/L		Final
Silver (dissolved)	< 0.000050 mg/L		Final
Silver (total)	< 0.000050 mg/L		Final
Sodium (dissolved)	5.33 mg/L		Final
Sodium (total)	5.21 mg/L	<=200 AO	Final
Strontium (dissolved)	0.232 mg/L		Final
Strontium (total)	0.223 mg/L		Final
Sulfur (dissolved)	< 3.0 mg/L		Final
Sulfur (total)	3.4 mg/L		Final
Sulphate	9.9 mg/L	<=500 AO	Final
Tellurium (dissolved)	< 0.00050 mg/L		Final
Tellurium (total)	< 0.00050 mg/L		Final



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INORGANIC		Criteria & Type	Status
Thallium (dissolved)	< 0.000020 mg/L		Final
Thallium (total)	< 0.000020 mg/L		Final
Thorium (dissolved)	< 0.00010 mg/L		Final
Thorium (total)	< 0.00010 mg/L		Final
Tin (dissolved)	< 0.00020 mg/L		Final
Tin (total)	< 0.00020 mg/L		Final
Titanium (dissolved)	< 0.0050 mg/L		Final
Titanium (total)	< 0.0050 mg/L		Final
Tungsten (dissolved)	< 0.0010 mg/L		Final
Tungsten (total)	< 0.0010 mg/L		Final
Uranium (dissolved)	0.00103 mg/L		Final
Vanadium (dissolved)	< 0.0010 mg/L		Final
Vanadium (total)	0.0010 mg/L		Final
Zinc (dissolved)	0.0227 mg/L		Final
Zinc (total)	0.0226 mg/L	<=5 AO	Final
Zirconium (dissolved)	< 0.00010 mg/L		Final
Zirconium (total)	< 0.00010 mg/L		Final

MICROORGANISMS		Criteria & Type	Status
Escherichia coli / E. coli (counts)	< 1 CFU/100ml	<=0,OG Microbiological standard	Final
Fecal (thermal tolerant) Coliforms (counts)	< 1 CFU/100ml	<=0 Microbiological Standard	Final
Total Coliforms (counts)	< 1 CFU/100ml	<=0,OG User-Defined	Final

ORGANIC		Criteria & Type	Status
Adsorbable Organic Halides / AOX	< 50 ug/L		Final
Bromodichloromethane (dichlorobromomethane)	< 0.0010 mg/L	<=0.1 IMAC for TTHM expressed as a running annual average	Final
Bromoform	< 0.0010 mg/L	<=0.1 IMAC for TTHM expressed as a running annual average	Final
Chloroform	< 0.0010 mg/L	<=0.1 Standard for TTHM expressed as a running annual average	Final
Dibromochloromethane (Chlorodibromomethane)	< 0.0010 mg/L	<=0.1 IMAC for TTHM expressed as a running annual average	Final
Nitrogen (Total) (total)	0.238 mg/L		Final
Total Kjeldahl Nitrogen / TKN	0.238 mg/L		Final



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ORGANIC		Criteria & Type	Status
Total Trihalomethanes / TTHM	< 0.00400 mg/L	<=0.1 IMAC based on running annual average	Final
PHYSICAL		Criteria & Type	Status
Alkalinity (bicarbonate, as CaCO3)	134 mg/L		Final
Alkalinity (carbonate, as CaCO3)	< 1.0 mg/L		Final
Alkalinity (hydroxide, as CaCO3)	< 1.0 mg/L		Final
Alkalinity (phenolphthalein, as CaCO3)	< 1.0 mg/L		Final
Alkalinity (total, as CaCO3)	134 mg/L		Final
Hardness (total, as CaCO3)	128 mg/L		Final
Hardness (total, as CaCO3)	130 mg/L		Final
Total Suspended Solids / TSS	< 2.0 mg/L		Final
RADIONUCLIDES		Criteria & Type	Status
Uranium (total)	0.00103 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**

