# **Laboratory Report**

# **Caro Analytical Services**

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

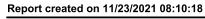
Water System: Core Water System
Source: PW 624 and PW 621 Wells
Facility: PW 624 Well Pumphouse

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





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Sample ID:21J2890-01 (continued)Water System:Core Water SystemSource:PW 624 and PW 621 WellsFacility: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	
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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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 & Ty	/pe	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 & Ty	/pe	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 & Ty	/pe	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 expresse as a running annual average	Final d
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
Report created on 11/23/2021 08:10:18					page 3 of 5





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Sampling Pt: PW 624 Pumphouse Well 1 raw water (PW624-1-SR, DBA5)

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ORGANIC

Total Trihalomethanes / TTHM < 0.00400 mg/L

\*\*Total Trihalomethanes / TTHM 

\*\*Total Trihalometha

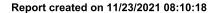
average

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



page 5 of 5

