



CERTIFICATE OF ANALYSIS

REPORTED TO Prince George, City of - Pump Station

1100 Patricia Boulevard Prince George, BC V2L 3v9

ATTENTION Cheyenne Magee WORK ORDER 24J2876

 PO NUMBER
 RECEIVED / TEMP
 2024-10-22 08:50 / 12.1°C

 PROJECT
 Raw Water - PW 660
 REPORTED
 2024-11-04 12:31

PROJECT INFO Raw Water Samples COC NUMBER no #

Introduction:

CARO Analytical Services is a testing laboratory full of smart, engaged scientists driven to make the world a safer and healthier place. Through our clients' projects we become an essential element for a better world. We employ methods conducted in accordance with recognized professional standards using accepted testing methodologies and quality control efforts. CARO is accredited by the Canadian Association for Laboratories Accreditation (CALA) to ISO/IEC 17025:2017 for specific tests listed in the scope of accreditation approved by CALA.

Big Picture Sidekicks



We've Got Chemistry



Ahead of the Curve



You know that the sample you collected after snowshoeing to site, digging 5 meters, and racing to get it on a plane so you can submit it to the lab for time sensitive results needed to make important and expensive decisions (whew) is VERY important. We know that too.

It's simple. We figure the more you enjoy working with our fun and engaged team members; the more likely you are to give us continued opportunities to support you.

Through research, regulation knowledge, and instrumentation, we are your analytical centre for the technical knowledge you need, BEFORE you need it, so you can stay up to date and in the know.

By engaging our services, you are agreeing to CARO Analytical Service's Standard Terms and Conditions outlined here: https://www.caro.ca/terms-conditions

If you have any questions or concerns, please contact me at hhannaoui@caro.ca

Authorized By:

Hanane El Hannaoui Junior Account Manager That

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TEST RESULTS

REPORTED TOPrince George, City of - Pump StationWORK ORDER24J2876PROJECTRaw Water - PW 660REPORTED2024-11-04 12:31

Analyte	Result	RL	Units	Analyzed	Qualifier
PW 660 (24J2876-01) Matrix: Water	Sampled: 2024-10-21 00:00	To 2024-10-21 11:45			
Anions					
Bromide	< 0.20	0.20	mg/L	2024-10-26	
Chloride	3.94		mg/L	2024-10-26	
Fluoride	< 0.10		mg/L	2024-10-26	
Nitrate (as N)	0.058	0.050		2024-10-26	HT1
Nitrite (as N)	< 0.050	0.050		2024-10-26	HT1
Sulfate	7.2		mg/L	2024-10-26	
Calculated Parameters					
Total Trihalomethanes	< 0.00400	0.00400	mg/L	N/A	
Hardness, Dissolved (as CaCO3)	94.1	0.500		N/A	
Nitrate+Nitrite (as N)	0.0575	0.0500		N/A	
Nitrogen, Total	0.122	0.0500		N/A	
Dissolved Metals					
Aluminum, dissolved	< 0.0050	0.0050	ma/l	2024-10-29	
Antimony, dissolved	< 0.0000	0.00020		2024-10-29	
Arsenic, dissolved	< 0.00050	0.00050		2024-10-29	
Barium, dissolved	0.0308	0.0050		2024-10-29	
Beryllium, dissolved	< 0.00010	0.00010		2024-10-29	
Bismuth, dissolved	< 0.00010	0.00010		2024-10-29	
Boron, dissolved	< 0.0500	0.0500		2024-10-29	
Cadmium, dissolved	0.000030	0.000010		2024-10-29	
Calcium, dissolved	25.7		mg/L	2024-10-29	
Chromium, dissolved	< 0.00050	0.00050		2024-10-29	
Cobalt, dissolved	< 0.00010	0.00010		2024-10-29	
Copper, dissolved	0.0167	0.00040		2024-10-29	RE2
Iron, dissolved	< 0.010	0.010		2024-10-29	1,722
Lead, dissolved	0.00379	0.00020		2024-10-29	RE2
Lithium, dissolved	< 0.00010	0.00010		2024-10-29	1,722
Magnesium, dissolved	7.26	0.010		2024-10-29	
Manganese, dissolved	0.00720	0.00020		2024-10-29	
Mercury, dissolved	< 0.000010	0.000010		2024-10-24	
Molybdenum, dissolved	0.00142	0.00010		2024-10-29	
Nickel, dissolved	0.00151	0.00040		2024-10-29	
Phosphorus, dissolved	< 0.050	0.050		2024-10-29	
Potassium, dissolved	1.07		mg/L	2024-10-29	
Selenium, dissolved	< 0.00050	0.00050		2024-10-29	
Silicon, dissolved	5.0		mg/L	2024-10-29	
Silver, dissolved	< 0.000050	0.000050		2024-10-29	
Sodium, dissolved	4.78		mg/L	2024-10-29	
Strontium, dissolved	0.115	0.0010		2024-10-29	
Sulfur, dissolved	< 3.0		mg/L	2024-10-29	
Tellurium, dissolved	< 0.00050	0.00050		2024-10-29	
Thallium, dissolved	< 0.000020	0.000020		2024-10-29	
		31133020			Page 2 of 1



TEST RESULTS

REPORTED TO	Prince George, City of - Pump Station	WORK ORDER	24J2876
PROJECT	Raw Water - PW 660	REPORTED	2024-11-04 12:31

Analyte	Result	RL	Units	Analyzed	Qualifi
PW 660 (24J2876-01) Matrix: Water	Sampled: 2024-10-21 00:00 T	o 2024-10-21 11:45, Co	ntinued		
Dissolved Metals, Continued					
Thorium, dissolved	< 0.00010	0.00010	mg/L	2024-10-29	
Tin, dissolved	< 0.00020	0.00020	mg/L	2024-10-29	
Titanium, dissolved	< 0.0050	0.0050	mg/L	2024-10-29	
Tungsten, dissolved	< 0.0010	0.0010	mg/L	2024-10-29	
Uranium, dissolved	0.000164	0.000020	mg/L	2024-10-29	
Vanadium, dissolved	< 0.0050	0.0050	mg/L	2024-10-29	
Zinc, dissolved	0.0181	0.0040	mg/L	2024-10-29	RE2
Zirconium, dissolved	< 0.00010	0.00010	mg/L	2024-10-29	
General Parameters					
Adsorbable Organic Halides	< 6	6	μg/L	2024-10-28	CT5
Alkalinity, Total (as CaCO3)	89.1		mg/L	2024-10-25	
Bicarbonate (HCO3)	109		mg/L	2024-10-25	
Carbonate (CO3)	< 2.0		mg/L	2024-10-25	
Hydroxide (OH)	< 2.0		mg/L	2024-10-25	
Ammonia, Total (as N)	< 0.050	0.050		2024-10-28	
Carbon, Total Organic	3.07		mg/L	2024-10-24	
Nitrogen, Total Kjeldahl	0.065	0.050		2024-10-25	
Phosphorus, Dissolved Reactive	< 0.010	0.010		2024-10-24	HT1
Solids, Total Suspended	< 2.0		mg/L	2024-10-24	
Microbiological Parameters Coliforms, Total (Q-Tray)	<1	1	MPN/100 mL	2024-10-23	
· • • • • • • • • • • • • • • • • • • •	<1		MPN/100 mL	2024-10-23	
Coliforms, Fecal (Q-Tray) E. coli (Q-Tray)	<1		MPN/100 mL	2024-10-23	
Total Metals		·	WII 14/ 100 IIIL	2024 10 20	
Aluminum, total	< 0.0050	0.0050	ma/l	2024-10-26	
Antimony, total	< 0.00020	0.00020		2024-10-26	
Arsenic, total	< 0.00050	0.00050		2024-10-26	
Barium, total	0.0307	0.0050		2024-10-26	
Beryllium, total	< 0.00010	0.00010		2024-10-26	
Bismuth, total	< 0.00010	0.00010		2024-10-26	
Boron, total	< 0.0500	0.0500		2024-10-26	
Cadmium, total	0.000021	0.000010		2024-10-26	
Calcium, total	25.4		mg/L	2024-10-26	
Chromium, total	< 0.00050	0.00050		2024-10-26	
Cobalt, total	< 0.00010	0.00030		2024-10-26	
Copper, total	0.00475	0.00010		2024-10-26	
Iron, total	< 0.010	0.010		2024-10-26	
Lead, total	0.00113	0.00020		2024-10-26	
·		0.00020			
Lithium, total	0.00011	0.00010		2024-10-26	
Magnesium, total Manganese, total	7.00	0.00020		2024-10-26 2024-10-26	
ivianganese, wai	0.00691	0.00020	шу/∟		Page 3



TEST RESULTS

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Analyte	Result	RL	Units	Analyzed	Qualifie
PW 660 (24J2876-01) Matrix: Water	Sampled: 2024-10-21 00:00	To 2024-10-21 11:45, Co	ntinued		
Fotal Metals, Continued					
Mercury, total	< 0.000010	0.000010	mg/L	2024-10-24	
Molybdenum, total	0.00163	0.00010	mg/L	2024-10-26	
Nickel, total	0.00075	0.00040	mg/L	2024-10-26	
Phosphorus, total	< 0.050	0.050	mg/L	2024-10-26	
Potassium, total	1.01	0.10	mg/L	2024-10-26	
Selenium, total	< 0.00050	0.00050	mg/L	2024-10-26	
Silicon, total	4.6	1.0	mg/L	2024-10-26	
Silver, total	< 0.000050	0.000050	mg/L	2024-10-26	
Sodium, total	4.54	0.10	mg/L	2024-10-26	
Strontium, total	0.112	0.0010	mg/L	2024-10-26	
Sulfur, total	< 3.0	3.0	mg/L	2024-10-26	
Tellurium, total	< 0.00050	0.00050	mg/L	2024-10-26	
Thallium, total	< 0.000020	0.000020	mg/L	2024-10-26	
Thorium, total	< 0.00010	0.00010	mg/L	2024-10-26	
Tin, total	< 0.00020	0.00020	mg/L	2024-10-26	
Titanium, total	< 0.0050	0.0050	mg/L	2024-10-26	
Tungsten, total	< 0.0010	0.0010	mg/L	2024-10-26	
Uranium, total	0.000180	0.000020	mg/L	2024-10-26	
Vanadium, total	< 0.0050	0.0050	mg/L	2024-10-26	
Zinc, total	0.0040	0.0040	mg/L	2024-10-26	
Zirconium, total	< 0.00010	0.00010	mg/L	2024-10-26	
olatile Organic Compounds (VOC)					
Bromodichloromethane	< 0.0010	0.0010	mg/L	2024-10-24	
Bromoform	< 0.0010	0.0010		2024-10-24	
Chloroform	< 0.0010	0.0010		2024-10-24	
Dibromochloromethane	< 0.0010	0.0010		2024-10-24	
Surrogate: Toluene-d8	85	70-130	%	2024-10-24	
Surrogate: 4-Bromofluorobenzene	96	70-130	%	2024-10-24	

Sample Qualifiers:

CT5 This sample has been incorrectly preserved for Adsorbable Organic Halides analysis

HT1 The sample was prepared and/or analyzed past the recommended holding time.

RE2 Result was confirmed by re-analysis prior to reporting.



APPENDIX 1: SUPPORTING INFORMATION

REPORTED TO Prince George, City of - Pump Station

PROJECT Raw Water - PW 660

WORK ORDER

24J2876

REPORTED 2024-11-04 12:31

Analysis Description	Method Ref.	Technique	Accredited	Location
Adsorbable Organic Halides in Water	PAPTAC/ISO - low level	Adsorption, Coulometric Titration		Sublet
Alkalinity in Water	SM 2320 B* (2021)	Titration with H2SO4	✓	Edmonton
Ammonia, Total in Water	SM 4500-NH3 G* (2021)	Automated Colorimetry (Phenate)	✓	Kelowna
Anions in Water	SM 4110 B (2020)	Ion Chromatography	✓	Edmonton
Carbon, Total Organic in Water	SM 5310 B (2022)	Combustion, Infrared CO2 Detection	✓	Kelowna
Coliforms, Fecal in Water	SM 9223 B* (2016)	Most Probable Number / Enzyme Substrate Endo Agar	✓	Edmonton
Coliforms, Total in Water	SM 9223 B (2016)	Most Probable Number / Enzyme Substrate Endo Agar	✓	Edmonton
Dissolved Metals in Water	EPA 200.8 / EPA 6020B	0.45 µm Filtration / Inductively Coupled Plasma-Mass Spectroscopy (ICP-MS)	✓	Richmond
E. coli in Water	SM 9223 B (2016)	Most Probable Number / Enzyme Substrate Endo Agar	✓	Edmonton
Hardness in Water	SM 2340 B (2021)	Calculation: 2.497 [diss Ca] + 4.118 [diss Mg]	✓	N/A
Hardness in Water	SM 2340 B* (2021)	Calculation: 2.497 [total Ca] + 4.118 [total Mg] (Est)	✓	N/A
Mercury, dissolved in Water	EPA 245.7*	BrCl2 Oxidation / Cold Vapor Atomic Fluorescence Spectrometry (CVAFS)	✓	Richmond
Mercury, total in Water	EPA 245.7*	BrCl2 Oxidation / Cold Vapor Atomic Fluorescence Spectrometry (CVAFS)	✓	Richmond
Nitrogen, Total Kjeldahl in Water	SM 4500-Norg D* (2021)	Block Digestion and Flow Injection Analysis	✓	Kelowna
Phosphorus, Dissolved Reactive in Water	SM 4500-P E (2021)	Colorimetry (Ascorbic Acid)		Edmonton
Solids, Total Suspended in Water	SM 2540 D* (2020)	Gravimetry (Dried at 103-105C)	✓	Edmonton
Total Metals in Water	EPA 200.2 / EPA 6020B	HNO3+HCl Hot Block Digestion / Inductively Coupled Plasma-Mass Spectroscopy (ICP-MS)	✓	Richmond
Trihalomethanes in Water	EPA 5030B / EPA 8260D	Purge&Trap / GC-MSD (SIM)	✓	Edmonton

Note: An asterisk in the Method Reference indicates that the CARO method has been modified from the reference method

Glossary of Terms:

RL Reporting Limit (default)

Less than the specified Reporting Limit (RL) - the actual RL may be higher than the default RL due to various factors

mg/L Milligrams per litre

MPN/100 mL Most Probable Number per 100 millilitres

μg/L Micrograms per litre

EPA United States Environmental Protection Agency Test Methods

PAPTAC Pulp and Paper Technical Association of Canada Standard Test Methods

SM Standard Methods for the Examination of Water and Wastewater, American Public Health Association



APPENDIX 1: SUPPORTING INFORMATION

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PROJECT Raw Water - PW 660

WORK ORDER

24J2876

REPORTED

2024-11-04 12:31

General Comments:

The results in this report apply to the received samples analyzed in accordance with the Chain of Custody document. This analytical report must be reproduced in its entirety. CARO is not responsible for any loss or damage resulting directly or indirectly from error or omission in the conduct of testing. Liability is limited to the cost of analysis. Caro will dispose of all samples within 30 days of sample receipt, unless otherwise agreed.

Results in **Bold** indicate values that are above CARO's method reporting limits. Any results that are above regulatory limits are highlighted red. Please note that results will only be highlighted red if the regulatory limits are included on the CARO report. Any Bold and/or highlighted results do <u>not</u> take into account method uncertainty. If you would like method uncertainty or regulatory limits to be included on your report, please contact your Account Manager:hhannaoui@caro.ca

Please note any regulatory guidelines applied to this report are added as a convenience to the client, at their request, to help provide some initial context to analytical results obtained. Although CARO makes every effort to ensure accuracy of the associated regulatory guideline(s) applied, the guidelines applied cannot be assumed to be correct due to a variety of factors and as such CARO Analytical Services assumes no liability or responsibility for the use of those guidelines to make any decisions. The original source of the regulation should be verified and a review of the guideline(s) should be validated as correct in order to make any decisions arising from the comparison of the analytical data obtained to the relevant regulatory guideline for one's particular circumstances. Further, CARO Analytical Services assumes no liability or responsibility for any loss attributed from the use of these guidelines in any way.



REPORTED TO Prince George, City of - Pump Station

PROJECT Raw Water - PW 660

WORK ORDER REPORTED 24J2876 2024-11-04 12:31

The following section displays the quality control (QC) data that is associated with your sample data. Groups of samples are prepared in "batches" and analyzed in conjunction with QC samples that ensure your data is of the highest quality. Common QC types include:

- Method Blank (Blk): A blank sample that undergoes sample processing identical to that carried out for the test samples. Method blank results are used to assess contamination from the laboratory environment and reagents.
- **Duplicate (Dup)**: An additional or second portion of a randomly selected sample in the analytical run carried through the entire analytical process. Duplicates provide a measure of the analytical method's precision (reproducibility).
- Blank Spike (BS): A sample of known concentration which undergoes processing identical to that carried out for test samples, also referred to as a laboratory control sample (LCS). Blank spikes provide a measure of the analytical method's accuracy.
- Matrix Spike (MS): A second aliquot of sample is fortified with a known concentration of target analytes and carried through the entire analytical process. Matrix spikes evaluate potential matrix effects that may affect the analyte recovery.
- Reference Material (SRM): A homogenous material of similar matrix to the samples, certified for the parameter(s) listed.
 Reference Materials ensure that the analytical process is adequate to achieve acceptable recoveries of the parameter(s) tested.

Each QC type is analyzed at a 5-10% frequency, i.e. one blank/duplicate/spike for every 10-20 samples. For all types of QC, the specified recovery (% Rec) and relative percent difference (RPD) limits are derived from long-term method performance averages and/or prescribed by the reference method.

Analyte	Result	RL Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Anions, Batch B4J4416									
Blank (B4J4416-BLK1)			Prepared	I: 2024-10-2	25, Analyze	d: 2024-	10-25		
Bromide	< 0.20	0.20 mg/L							
Chloride	< 0.50	0.50 mg/L							
Fluoride	< 0.10	0.10 mg/L							
Nitrate (as N)	< 0.050	0.050 mg/L							
Nitrite (as N)	< 0.050	0.050 mg/L							
Sulfate	< 1.0	1.0 mg/L							
LCS (B4J4416-BS1)			Prepared	I: 2024-10-2	25, Analyze	d: 2024-	10-25		
Bromide	10.9	0.20 mg/L	10.0		109	90-110			
Chloride	9.38	0.50 mg/L	10.0		94	90-110			
Fluoride	0.95	0.10 mg/L	1.00		95	85-115			
Nitrate (as N)	0.941	0.050 mg/L	1.00		94	92-108			
Nitrite (as N)	0.462	0.050 mg/L	0.500		92	85-115			
Sulfate	49.0	1.0 mg/L	50.0		98	90-110			

Dissolved Metals, Batch B4J4301

Blank (B4J4301-BLK1)			Prepared: 2024	-10-24, Analyz	ed: 2024-10-24	
Mercury, dissolved	< 0.000010	0.000010 mg/L				
Blank (B4J4301-BLK2)			Prepared: 2024	-10-24, Analyz	ed: 2024-10-24	
Mercury, dissolved	< 0.000010	0.000010 mg/L				
Blank (B4J4301-BLK3)			Prepared: 2024	-10-24, Analyz	ed: 2024-10-24	
Mercury, dissolved	< 0.000010	0.000010 mg/L				
Blank (B4J4301-BLK4)			Prepared: 2024	-10-24, Analyz	ed: 2024-10-24	
Mercury, dissolved	< 0.000010	0.000010 mg/L				
LCS (B4J4301-BS1)			Prepared: 2024	-10-24, Analyz	ed: 2024-10-24	
Mercury, dissolved	0.00240	0.000010 mg/L	0.00250	96	80-120	
LCS (B4J4301-BS2)			Prepared: 2024	-10-24, Analyz	ed: 2024-10-24	
Mercury, dissolved	0.00208	0.000010 mg/L	0.00250	83	80-120	
LCS (B4J4301-BS3)			Prepared: 2024	-10-24, Analyz	ed: 2024-10-24	
Mercury, dissolved	0.00300	0.000010 mg/L	0.00250	120	80-120	Page 7 of 14



	· George, City of - Pump S Vater - PW 660	tation				WORK REPOR	ORDER TED	24J2 2024	876 -11-04	12:31
Analyte	Result	RL U	nits	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifie
Dissolved Metals, Batch B	4J4301, Continued									
LCS (B4J4301-BS4)				Prepared	: 2024-10-2	24, Analyze	d: 2024-1	0-24		
Mercury, dissolved	0.00268	0.000010 m	ıg/L	0.00250		107	80-120			
Dissolved Metals, Batch B	4.14615									
Blank (B4J4615-BLK1)				Prepared	: 2024-10-2	28, Analyze	d: 2024-1	0-28		
Aluminum, dissolved	< 0.0050	0.0050 m	ıa/L			<u>, , , , , , , , , , , , , , , , , , , </u>				
Antimony, dissolved	< 0.00020	0.00020 m								
Arsenic, dissolved	< 0.00050	0.00050 m								
Barium, dissolved	< 0.0050	0.0050 m								
Beryllium, dissolved	< 0.00010	0.00010 m	ıg/L							
Bismuth, dissolved	< 0.00010	0.00010 m	ıg/L							
Boron, dissolved	< 0.0500	0.0500 m								
Cadmium, dissolved	< 0.000010	0.000010 m								
Calcium, dissolved	< 0.20	0.20 m								
Chromium, dissolved	< 0.00050	0.00050 m								
Cobalt, dissolved	< 0.00010	0.00010 m								
Copper, dissolved Iron, dissolved	< 0.00040 < 0.010	0.00040 m								
Lead, dissolved	< 0.00020	0.010 m 0.00020 m								
Lithium, dissolved	< 0.00020	0.00020 m	-							
Magnesium, dissolved	< 0.010	0.010 m								
Manganese, dissolved	< 0.00020	0.00020 m								
Molybdenum, dissolved	< 0.00010	0.00010 m								
Nickel, dissolved	< 0.00040	0.00040 m	ıg/L							
Phosphorus, dissolved	< 0.050	0.050 m								
Potassium, dissolved	< 0.10	0.10 m	ıg/L							
Selenium, dissolved	< 0.00050	0.00050 m	ıg/L							
Silicon, dissolved	< 1.0	1.0 m								
Silver, dissolved	< 0.000050	0.000050 m								
Sodium, dissolved	< 0.10	0.10 m								
Strontium, dissolved	< 0.0010	0.0010 m								
Sulfur, dissolved	< 3.0	3.0 m	-							
Tellurium, dissolved	< 0.00050	0.00050 m 0.000020 m								
Thallium, dissolved Thorium, dissolved	< 0.000020 < 0.00010	0.000020 m								
Tin, dissolved	< 0.00010	0.00010 m								
Titanium, dissolved	< 0.0050	0.0050 m								
Tungsten, dissolved	< 0.0010	0.0010 m								
Uranium, dissolved	< 0.000020	0.000020 m								
Vanadium, dissolved	< 0.0050	0.0050 m								
Zinc, dissolved	< 0.0040	0.0040 m	ıg/L							
Zirconium, dissolved	< 0.00010	0.00010 m	ıg/L							
LCS (B4J4615-BS1)				Prenared	: 2024-10-2	8 Analyze	d· 2024 - 1	0-28		
,	4.00	0.0050	//		. 202+ 10 2	-		0 20		
Aluminum, dissolved	4.09 0.0399	0.0050 m 0.00020 m		4.00 0.0400		102 100	80-120 80-120			
Antimony, dissolved Arsenic, dissolved	0.0399	0.00020 m		0.400		100	80-120			
Barium, dissolved	0.0401	0.00050 m		0.0400		100	80-120			
Beryllium, dissolved	0.0385	0.0030 m		0.0400		96	80-120			
Bismuth, dissolved	0.0396	0.00010 m		0.0400		99	80-120			
Boron, dissolved	0.396	0.0500 m		0.400		99	80-120			
Cadmium, dissolved	0.0404	0.000010 m		0.0400		101	80-120			
Calcium, dissolved	4.08	0.20 m		4.00		102	80-120			
Chromium, dissolved	0.0411	0.00050 m		0.0400		103	80-120			
Cobalt, dissolved	0.0407	0.00010 m	-	0.0400		102	80-120			
Copper dissolved	0.0409	0.00040 m		0.0400		102	80-120			

Copper, dissolved

0.0400

102

80-120

0.00040 mg/L

0.0409



	orge, City of - Pump S er - PW 660	tation			WORK REPOR	ORDER RTED		2876 I-11-04	12:31
Analyte	Result	RL Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Dissolved Metals, Batch B4J46	315, Continued								
LCS (B4J4615-BS1), Continued	i		Prepared	: 2024-10-28	3, Analyze	ed: 2024-1	0-28		
Iron, dissolved	4.11	0.010 mg/L	4.00		103	80-120			
Lead, dissolved	0.0405	0.00020 mg/L	0.0400		101	80-120			
Lithium, dissolved	0.0382	0.00010 mg/L	0.0400		96	80-120			
Magnesium, dissolved	4.05	0.010 mg/L	4.00		101	80-120			
Manganese, dissolved	0.0409	0.00020 mg/L	0.0400		102	80-120			
Molybdenum, dissolved	0.0409	0.00010 mg/L	0.0400		102	80-120			
Nickel, dissolved	0.0411	0.00040 mg/L	0.0400		103	80-120			
Phosphorus, dissolved	4.01	0.050 mg/L	4.00		100	80-120			
Potassium, dissolved	4.02	0.10 mg/L	4.00		101	80-120			
Selenium, dissolved	0.396	0.00050 mg/L	0.400		99	80-120			
Silicon, dissolved	4.0	1.0 mg/L	4.00		101	80-120			
Silver, dissolved	0.0403	0.000050 mg/L	0.0400		101	80-120			
Sodium, dissolved Strontium, dissolved	4.17 0.0418	0.10 mg/L 0.0010 mg/L	4.00 0.0400		104	80-120 80-120			
Sulfur, dissolved	40.5	3.0 mg/L	40.0		104	80-120			
Tellurium, dissolved	0.0400	0.00050 mg/L	0.0400		100	80-120			
Thallium, dissolved	0.0394	0.000000 mg/L	0.0400		98	80-120			
Thorium, dissolved	0.0405	0.00010 mg/L	0.0400		101	80-120			
Tin, dissolved	0.0395	0.00020 mg/L	0.0400		99	80-120			
Titanium, dissolved	0.0401	0.0050 mg/L	0.0400		100	80-120			
Tungsten, dissolved	0.0399	0.0010 mg/L	0.0400		100	80-120			
Uranium, dissolved	0.0409	0.000020 mg/L	0.0400		102	80-120			
Vanadium, dissolved	0.0403	0.0050 mg/L	0.0400		101	80-120			
Zinc, dissolved	0.407	0.0040 mg/L	0.400		102	80-120			
Zirconium, dissolved	0.0406	0.00010 mg/L	0.0400		101	80-120			
Duplicate (B4J4615-DUP1)	So	ource: 24J2876-01	Prepared	: 2024-10-29	9, Analyze	ed: 2024-1	0-29		
Aluminum, dissolved	< 0.0050	0.0050 mg/L		< 0.0050				20	
Antimony, dissolved	< 0.00020	0.00020 mg/L		< 0.00020				20	
Arsenic, dissolved	< 0.00050	0.00050 mg/L		< 0.00050				20	
Barium, dissolved	0.0298	0.0050 mg/L		0.0308			3	20	
Beryllium, dissolved	< 0.00010	0.00010 mg/L		< 0.00010				20	
Bismuth, dissolved	< 0.00010	0.00010 mg/L		< 0.00010				20	
Boron, dissolved	< 0.0500	0.0500 mg/L		< 0.0500				20	
Cadmium, dissolved	0.000031	0.000010 mg/L		0.000030				20	
Calcium, dissolved	25.6	0.20 mg/L		25.7			< 1	20	
Chromium, dissolved	< 0.00050	0.00050 mg/L		< 0.00050				20	
Cobalt, dissolved	< 0.00010	0.00010 mg/L		< 0.00010				20	
Copper, dissolved	0.0166	0.00040 mg/L		0.0167			< 1	20	
Iron, dissolved	< 0.010	0.010 mg/L		< 0.010				20	
Lead, dissolved Lithium, dissolved	0.00377 < 0.00010	0.00020 mg/L 0.00010 mg/L		0.00379 < 0.00010			< 1	20	
Magnesium, dissolved	7.22	0.00010 mg/L 0.010 mg/L		7.26			< 1	20	
Manganese, dissolved	0.00715	0.00020 mg/L		0.00720			< 1	20	
Molybdenum, dissolved	0.00713	0.00020 mg/L		0.00720			2	20	
Nickel, dissolved	0.00159	0.00040 mg/L		0.00142				20	
Phosphorus, dissolved	< 0.050	0.050 mg/L		< 0.050				20	
Potassium, dissolved	1.08	0.10 mg/L		1.07			< 1	20	
Selenium, dissolved	< 0.00050	0.00050 mg/L		< 0.00050				20	
Silicon, dissolved	4.9	1.0 mg/L		5.0			< 1	20	
Silver, dissolved	< 0.000050	0.000050 mg/L		< 0.000050				20	
Sodium, dissolved	4.79	0.10 mg/L		4.78			< 1	20	
Strontium, dissolved	0.116	0.0010 mg/L		0.115			< 1	20	
Sulfur, dissolved	< 3.0	3.0 mg/L		< 3.0				20	
	< 3.0 < 0.00050	3.0 mg/L 0.00050 mg/L		< 3.0 < 0.00050				20 20 20	



	ce George, City of - Pump Water - PW 660	Station			WORK REPOR	ORDER RTED		2876 1-11-04	12:31
Analyte	Result	t RL Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifie
Dissolved Metals, Batch E	B4J4615, Continued								
Duplicate (B4J4615-DUP1), Continued	Source: 24J2876-01	Prepared	l: 2024-10-2	9, Analyze	ed: 2024-1	10-29		
Thorium, dissolved	< 0.00010	0.00010 mg/L		< 0.00010				20	
Tin, dissolved	< 0.00020	0.00020 mg/L		< 0.00020				20	
Titanium, dissolved	< 0.0050			< 0.0050				20	
Tungsten, dissolved	< 0.0010			< 0.0010				20	
Uranium, dissolved	0.000165			0.000164			< 1	20	
Vanadium, dissolved	< 0.0050			< 0.0050				20	
Zirco, dissolved Zirconium, dissolved	0.0177 < 0.00010			0.0181 < 0.00010				20	
General Parameters, Bato Blank (B4J4172-BLK1)	ch B4J4172		Prepared	l: 2024-10-2	4, Analyze	ed: 2024-1	10-24		
Solids, Total Suspended	< 2.0	2.0 mg/L							
LCS (B4J4172-BS1)			Prepared	l: 2024-10-2	4, Analyze	ed: 2024-1	10-24		
Solids, Total Suspended	91.0) 10.0 mg/L	100		91	90-110			
Blank (B4J4234-BLK1) Nitrogen, Total Kjeldahl	< 0.050	0.050 mg/L	•	1: 2024-10-2					
Blank (B4J4234-BLK2)			Prepared	l: 2024-10-2	4, Analyze	ed: 2024-1	10-25		
Nitrogen, Total Kjeldahl	< 0.050	0.050 mg/L							
LCS (B4J4234-BS1)			Prepared	l: 2024-10-2	4, Analyze	ed: 2024-1	10-25		
Nitrogen, Total Kjeldahl	0.966	0.050 mg/L	1.00		97	85-115			
LCS (B4J4234-BS2)			Prepared	l: 2024-10-2	4, Analyze	ed: 2024-1	10-25		
Nitrogen, Total Kjeldahl	0.970	0.050 mg/L	1.00		97	85-115			
General Parameters, Batc	ch B4J4235								
Blank (B4J4235-BLK1)			Prepared	l: 2024-10-2	4, Analyze	ed: 2024-1	10-24		
Carbon, Total Organic	< 0.50	0.50 mg/L							
Blank (B4J4235-BLK2)			Prepared	l: 2024-10-2	4, Analyze	ed: 2024-1	10-24		
Carbon, Total Organic	< 0.50	0.50 mg/L							
Blank (B4J4235-BLK3)			Prepared	l: 2024-10-2	4, Analyze	ed: 2024-1	10-24		
Carbon, Total Organic	< 0.50	0.50 mg/L							
Blank (B4J4235-BLK4)			Prepared	l: 2024-10-2	4, Analyze	ed: 2024-1	10-24		
Carbon, Total Organic	< 0.50	0.50 mg/L							
LCS (B4J4235-BS1)			Prepared	l: 2024-10-2	4, Analyze	ed: 2024-1	0-24		
Carbon, Total Organic	9.40	0.50 mg/L	10.0		94	78-116			
LCS (B4J4235-BS2)			Prepared	l: 2024-10-2	4, Analyze	ed: 2024-1	10-24		
Carbon, Total Organic	9.48	3 0.50 mg/L	10.0		95	78-116	<u> </u>		
LCS (B4J4235-BS3)			Prepared	l: 2024-10-2	4. Analyze	ed: 2024-1	10-24		
Carbon, Total Organic	9.42	2 0.50 mg/L	10.0		94	78-116			
LCS (B4J4235-BS4)	·			l: 2024-10-2	4 Analyza		10-24		
,	0.26	0.50 ma/l		∠∪∠ † - 1∪ - ∠			. ∪- <u>∠</u> +		
Carbon, Total Organic	9.36	6 0.50 mg/L	10.0		94	78-116			



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REPORTED TO PROJECT	Prince George, City of Raw Water - PW 660	-	ition			WORK REPOR	ORDER RTED	24J2 2024	2876 I-11-04	12:31
Analyte		Result	RL Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifie
General Parameter	s, Batch B4J4311									
Blank (B4J4311-Bl	_K1)			Prepared	: 2024-10-2	5, Analyze	ed: 2024-1	0-25		
Alkalinity, Total (as Ca	aCO3)	< 2.0	2.0 mg/L							
Bicarbonate (HCO3)		< 2.0	2.0 mg/L							
Carbonate (CO3)		< 2.0	2.0 mg/L							
Hydroxide (OH)		< 2.0	2.0 mg/L							
LCS (B4J4311-BS1	•			Prepared	: 2024-10-2	5, Analyze	ed: 2024-1	0-25		
Alkalinity, Total (as Ca	aCO3)	246	2.0 mg/L	250		98	94-108			
General Parameter	s, Batch B4J4318									
Blank (B4J4318-Bl	LK1)			Prepared	: 2024-10-2	4, Analyze	ed: 2024-1	0-24		
Phosphorus, Dissolve	ed Reactive	< 0.010	0.010 mg/L							
LCS (B4J4318-BS	1)			Prepared	: 2024-10-2	4, Analyze	ed: 2024-1	0-24		
Phosphorus, Dissolve	ed Reactive	0.483	0.010 mg/L	0.500		97	85-115			
General Parameter				Prepared	: 2024-10-2	8, Analyze	ed: 2024-1	0-28		
Ammonia, Total (as N)	< 0.050	0.050 mg/L							
Blank (B4J4533-Bl	K2)			Prepared	: 2024-10-2	8 Analyze	ed: 2024-1	0-28		
Ammonia, Total (as N	•	< 0.050	0.050 mg/L			-, · · · · · · · · · · · · · · · · · · ·				
Blank (B4J4533-Bl		0.000	0.000g, <u></u>	Prenared	: 2024-10-2	8 Analyze	d: 2024-1	0-28		
Ammonia, Total (as N		< 0.050	0.050 mg/L	i iepaieu	. 2024-10-2	o, Analyze	u. 2024-	0-20		
		10.000	0.000 mg/L		0004.40.0	0 4 1	1 0004	0.00		
Blank (B4J4533-Bl	-		"	Prepared	: 2024-10-2	8, Analyze	ed: 2024-1	0-28		
Ammonia, Total (as N)	< 0.050	0.050 mg/L							
Blank (B4J4533-Bl	LK5)			Prepared	: 2024-10-2	8, Analyze	ed: 2024-1	0-28		
Ammonia, Total (as N)	< 0.050	0.050 mg/L							
LCS (B4J4533-BS	1)			Prepared	: 2024-10-2	8, Analyze	ed: 2024-1	0-28		
Ammonia, Total (as N	1)	1.02	0.050 mg/L	1.00		102	85-115			
LCS (B4J4533-BS2	2)			Prenared	: 2024-10-2	8 Analyze	d· 2024-1	0-28		
Ammonia, Total (as N	,	0.995	0.050 mg/L	1.00	. 2021 10 2	100	85-115	0 20		
•	,	0.000	0.000 mg/L		0004.40.0			0.00		
LCS (B4J4533-BS4	,	2.222	0.050 "		: 2024-10-2			0-28		
Ammonia, Total (as N)	0.993	0.050 mg/L	1.00		99	85-115			
LCS (B4J4533-BS	5)			Prepared	: 2024-10-2	8, Analyze	ed: 2024-1	0-28		
Ammonia, Total (as N)	1.00	0.050 mg/L	1.00		100	85-115			
Microbiological Pal Blank (B4J3913-Bl	rameters, Batch B4J391 LK1)	3		Prepared	: 2024-10-2	2, Analyze	ed: 2024-1	0-23		
Coliforms, Total (Q-Tr	• /	< 1	1 MPN/100							
Coliforms, Fecal (Q-T	ray)	< 1 < 1	1 MPN/100							
E. coli (Q-Tray) Blank (B4J3913-Bl	LK2)	<u> </u>	1 MPN/100		: 2024-10-2	2. Analvze	ed: 2024-1	0-23		
Coliforms, Total (Q-Tr	•	< 1	1 MPN/100		0_1 10 2	_, ,				
E. coli (Q-Tray)		< 1	1 MPN/100							



REPORTED TO	Prince George, City of - Pump Station	WORK ORDER	24J2876
PROJECT	Raw Water - PW 660	REPORTED	2024-11-04 12:31

PROJECT	Raw Water - PW 660					REPORTED		2024-11-04		12:31
Analyte	Result	RL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Total Metals, Batch	B4J4133									
Blank (B4J4133-BL	K1)			Prepared	: 2024-10-2	24, Analyze	d: 2024-1	10-26		
Aluminum, total	< 0.0050	0.0050	ma/l	· · · · · · · · · · · · · · · · · · ·						
Antimony, total	< 0.00020	0.00020								
Arsenic, total	< 0.00050	0.00050								
Barium, total	< 0.0050	0.0050								
Beryllium, total	< 0.00010	0.00010								
Bismuth, total	< 0.00010	0.00010								
Boron, total	< 0.0500	0.0500								
Cadmium, total	< 0.000010	0.000010								
Calcium, total	< 0.20		mg/L							
Chromium, total	< 0.00050	0.00050								
Cobalt, total	< 0.00010	0.00010								
Copper, total	< 0.00040	0.00040								
Iron, total	< 0.010	0.010								
Lead, total	< 0.00020	0.00020								
Lithium, total	< 0.00010	0.00010								
Magnesium, total	< 0.010	0.010								
Manganese, total	< 0.00020	0.00020								
Molybdenum, total	< 0.00010	0.00010								
Nickel, total	< 0.00040	0.00040								
Phosphorus, total	< 0.050	0.050								
Potassium, total	< 0.10	0.10	mg/L							
Selenium, total	< 0.00050	0.00050								
Silicon, total	< 1.0		mg/L							
Silver, total	< 0.000050	0.000050	mg/L							
Sodium, total	< 0.10		mg/L							
Strontium, total	< 0.0010	0.0010								
Sulfur, total	< 3.0	3.0	mg/L							
Tellurium, total	< 0.00050	0.00050	mg/L							
Thallium, total	< 0.000020	0.000020	mg/L							
Thorium, total	< 0.00010	0.00010								
Tin, total	< 0.00020	0.00020	mg/L							
Titanium, total	< 0.0050	0.0050	mg/L							
Tungsten, total	< 0.0010	0.0010	mg/L							
Uranium, total	< 0.000020	0.000020	mg/L							
Vanadium, total	< 0.0050	0.0050	mg/L							
Zinc, total	< 0.0040	0.0040	mg/L							
Zirconium, total	< 0.00010	0.00010	mg/L							
LCS (B4J4133-BS1)				Prepared	: 2024-10-2	24, Analyze	d: 2024-1	10-26		
Aluminum, total	3.91	0.0050	ma/l	4.00		98	80-120			
Antimony, total	0.0393	0.00020		0.0400		98	80-120			
Arsenic, total	0.385	0.00020		0.400		96	80-120			
Barium, total	0.0413	0.0050		0.0400		103	80-120			
Beryllium, total	0.0379	0.00010		0.0400		95	80-120			
Bismuth, total	0.0393	0.00010		0.0400		98	80-120			
Boron, total	0.390	0.0500		0.400		97	80-120			
Cadmium, total	0.0397	0.000010		0.0400		99	80-120			
Calcium, total	4.00		mg/L	4.00		100	80-120			
Chromium, total	0.0392	0.00050		0.0400		98	80-120			
Cobalt, total	0.0389	0.00010		0.0400		97	80-120			
Copper, total	0.0385	0.00010		0.0400		96	80-120			
Iron, total	3.95	0.00040		4.00		99	80-120			
Lead, total	0.0397	0.00020		0.0400		99	80-120			
Lithium, total	0.0385	0.00020		0.0400		96	80-120			
	0.0000									
Magnesium, total	3.76	0.010	mg/l	4.00		94	80-120			



	/ater - PW 660	orge, City of - Pump Station - PW 660				WORK ORDER REPORTED		24J2876 2024-11-04 12:31		
Analyte	Result	RL	Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifie
Fotal Metals, Batch B4J413	3, Continued									
LCS (B4J4133-BS1), Contir	ued			Prepared	: 2024-10-24	, Analyze	d: 2024 - 1	0-26		
Molybdenum, total	0.0403	0.00010	mg/L	0.0400		101	80-120			
Nickel, total	0.0389	0.00040	mg/L	0.0400		97	80-120			
Phosphorus, total	3.95	0.050		4.00		99	80-120			
Potassium, total	3.88		mg/L	4.00		97	80-120			
Selenium, total	0.383	0.00050		0.400		96	80-120			
Silicon, total	3.9		mg/L	4.00		97	80-120			
Silver, total	0.0393	0.000050		0.0400		98	80-120			
Sodium, total	3.86		mg/L	4.00		97	80-120			
Strontium, total	0.0395	0.0010		0.0400		99	80-120			
Sulfur, total Tellurium, total	38.6 0.0390	0.00050	mg/L	40.0 0.0400		96 97	80-120 80-120			
Thallium, total	0.0393	0.00030		0.0400		98	80-120			
Thorium, total	0.0409	0.000020		0.0400		102	80-120			
Tin, total	0.0400	0.00010		0.0400		100	80-120			
Titanium, total	0.0394	0.0050		0.0400		99	80-120			
Tungsten, total	0.0395	0.0010		0.0400		99	80-120			
Uranium, total	0.0404	0.000020		0.0400		101	80-120			
Vanadium, total	0.0390	0.0050		0.0400		98	80-120			
Zinc, total	0.383	0.0040		0.400		96	80-120			
,										
otal Metals, Batch B4J430	0.0393	0.00010	mg/L	0.0400 Prepared	: 2024-10-24	98 , Analyze	80-120 d: 2024-1	0-24		
Blank (B4J4301-BLK1) Mercury, total		0.00010		Prepared		ŀ, Analyze	d: 2024-1			
Fotal Metals, Batch B4J430 Blank (B4J4301-BLK1) Mercury, total Blank (B4J4301-BLK2)	< 0.000010	0.000010	mg/L	Prepared	: 2024-10-24 : 2024-10-24	ŀ, Analyze	d: 2024-1			
Fotal Metals, Batch B4J430 Blank (B4J4301-BLK1) Mercury, total Blank (B4J4301-BLK2) Mercury, total	1		mg/L	Prepared Prepared	: 2024-10-24	I, Analyze	d: 2024-1 d: 2024-1	0-24		
Fotal Metals, Batch B4J430 Blank (B4J4301-BLK1) Mercury, total Blank (B4J4301-BLK2) Mercury, total Blank (B4J4301-BLK3)	<pre>< 0.000010 < 0.000010</pre>	0.000010	mg/L	Prepared Prepared		I, Analyze	d: 2024-1 d: 2024-1	0-24		
Fotal Metals, Batch B4J430 Blank (B4J4301-BLK1) Mercury, total Blank (B4J4301-BLK2) Mercury, total Blank (B4J4301-BLK3)	< 0.000010	0.000010	mg/L	Prepared Prepared	: 2024-10-24	I, Analyze	d: 2024-1 d: 2024-1	0-24		
Fotal Metals, Batch B4J430 Blank (B4J4301-BLK1) Mercury, total Blank (B4J4301-BLK2) Mercury, total Blank (B4J4301-BLK3) Mercury, total	< 0.000010< 0.000010< 0.000010	0.000010 0.000010 0.000010	mg/L mg/L	Prepared Prepared Prepared	: 2024-10-24	I, Analyze I, Analyze	d: 2024-1 d: 2024-1 d: 2024-1	0-24		
Fotal Metals, Batch B4J430 Blank (B4J4301-BLK1) Mercury, total Blank (B4J4301-BLK2) Mercury, total Blank (B4J4301-BLK3) Mercury, total Blank (B4J4301-BLK4)	<pre>< 0.000010 < 0.000010</pre>	0.000010	mg/L mg/L	Prepared Prepared Prepared	: 2024-10-24 : 2024-10-24	I, Analyze I, Analyze	d: 2024-1 d: 2024-1 d: 2024-1	0-24		
Fotal Metals, Batch B4J430 Blank (B4J4301-BLK1) Mercury, total Blank (B4J4301-BLK2) Mercury, total Blank (B4J4301-BLK3) Mercury, total Blank (B4J4301-BLK4) Mercury, total	< 0.000010< 0.000010< 0.000010	0.000010 0.000010 0.000010	mg/L mg/L	Prepared Prepared Prepared	: 2024-10-24 : 2024-10-24	I, Analyze I, Analyze I, Analyze	d: 2024-1 d: 2024-1 d: 2024-1 d: 2024-1	0-24 0-24 0-24		
Fotal Metals, Batch B4J430 Blank (B4J4301-BLK1) Mercury, total Blank (B4J4301-BLK2) Mercury, total Blank (B4J4301-BLK3) Mercury, total Blank (B4J4301-BLK4) Mercury, total LCS (B4J4301-BS1)	< 0.000010< 0.000010< 0.000010	0.000010 0.000010 0.000010	mg/L mg/L mg/L	Prepared Prepared Prepared	: 2024-10-24 : 2024-10-24 : 2024-10-24	I, Analyze I, Analyze I, Analyze	d: 2024-1 d: 2024-1 d: 2024-1 d: 2024-1	0-24 0-24 0-24		
Fotal Metals, Batch B4J430 Blank (B4J4301-BLK1) Mercury, total Blank (B4J4301-BLK2) Mercury, total Blank (B4J4301-BLK3) Mercury, total Blank (B4J4301-BLK4) Mercury, total LCS (B4J4301-BS1) Mercury, total	<pre>< 0.000010 < 0.000010 < 0.000010 < 0.000010</pre>	0.000010 0.000010 0.000010	mg/L mg/L mg/L	Prepared Prepared Prepared Prepared 0.00250	: 2024-10-24 : 2024-10-24 : 2024-10-24	i, Analyze i, Analyze i, Analyze i, Analyze i, Analyze i, Analyze	d: 2024-1 d: 2024-1 d: 2024-1 d: 2024-1 d: 2024-1	0-24 0-24 0-24		
Fotal Metals, Batch B4J430 Blank (B4J4301-BLK1) Mercury, total Blank (B4J4301-BLK2) Mercury, total Blank (B4J4301-BLK3) Mercury, total Blank (B4J4301-BLK4) Mercury, total LCS (B4J4301-BS1) Mercury, total LCS (B4J4301-BS2)	<pre>< 0.000010 < 0.000010 < 0.000010 < 0.000010</pre>	0.000010 0.000010 0.000010	mg/L mg/L mg/L mg/L	Prepared Prepared Prepared Prepared 0.00250	: 2024-10-24 : 2024-10-24 : 2024-10-24 : 2024-10-24	i, Analyze i, Analyze i, Analyze i, Analyze i, Analyze i, Analyze	d: 2024-1 d: 2024-1 d: 2024-1 d: 2024-1 d: 2024-1	0-24 0-24 0-24		
Fotal Metals, Batch B4J430 Blank (B4J4301-BLK1) Mercury, total Blank (B4J4301-BLK2) Mercury, total Blank (B4J4301-BLK3) Mercury, total Blank (B4J4301-BLK4) Mercury, total LCS (B4J4301-BS1) Mercury, total LCS (B4J4301-BS2) Mercury, total	<pre>1</pre>	0.000010 0.000010 0.000010 0.000010	mg/L mg/L mg/L mg/L	Prepared Prepared Prepared O.00250 Prepared 0.00250	: 2024-10-24 : 2024-10-24 : 2024-10-24 : 2024-10-24	I, Analyze	d: 2024-1 d: 2024-1 d: 2024-1 d: 2024-1 80-120 d: 2024-1	0-24 0-24 0-24 0-24		
Fotal Metals, Batch B4J430 Blank (B4J4301-BLK1) Mercury, total Blank (B4J4301-BLK2) Mercury, total Blank (B4J4301-BLK3) Mercury, total Blank (B4J4301-BLK4) Mercury, total LCS (B4J4301-BS1) Mercury, total LCS (B4J4301-BS2) Mercury, total LCS (B4J4301-BS2) Mercury, total LCS (B4J4301-BS3)	<pre>1</pre>	0.000010 0.000010 0.000010 0.000010	mg/L mg/L mg/L mg/L mg/L	Prepared Prepared Prepared O.00250 Prepared 0.00250	: 2024-10-24 : 2024-10-24 : 2024-10-24 : 2024-10-24	I, Analyze	d: 2024-1 d: 2024-1 d: 2024-1 d: 2024-1 80-120 d: 2024-1	0-24 0-24 0-24 0-24		
Fotal Metals, Batch B4J430 Blank (B4J4301-BLK1) Mercury, total Blank (B4J4301-BLK2) Mercury, total	1 < 0.000010 < 0.000010 < 0.000010 < 0.000010 0.00240 0.00208	0.000010 0.000010 0.000010 0.000010 0.000010	mg/L mg/L mg/L mg/L mg/L	Prepared Prepared Prepared O.00250 Prepared O.00250 Prepared O.00250	: 2024-10-24 : 2024-10-24 : 2024-10-24 : 2024-10-24	I, Analyze	d: 2024-1 d: 2024-1 d: 2024-1 d: 2024-1 80-120 d: 2024-1 80-120 d: 2024-1	0-24 0-24 0-24 0-24 0-24		
Fotal Metals, Batch B4J430 Blank (B4J4301-BLK1) Mercury, total Blank (B4J4301-BLK2) Mercury, total Blank (B4J4301-BLK3) Mercury, total Blank (B4J4301-BLK4) Mercury, total LCS (B4J4301-BS1) Mercury, total LCS (B4J4301-BS2) Mercury, total LCS (B4J4301-BS2) Mercury, total LCS (B4J4301-BS3) Mercury, total	1 < 0.000010 < 0.000010 < 0.000010 < 0.000010 0.00240 0.00208	0.000010 0.000010 0.000010 0.000010 0.000010	mg/L mg/L mg/L mg/L mg/L	Prepared Prepared Prepared O.00250 Prepared O.00250 Prepared O.00250	: 2024-10-24 : 2024-10-24 : 2024-10-24 : 2024-10-24 : 2024-10-24	I, Analyze	d: 2024-1 d: 2024-1 d: 2024-1 d: 2024-1 80-120 d: 2024-1 80-120 d: 2024-1	0-24 0-24 0-24 0-24 0-24		
Fotal Metals, Batch B4J430 Blank (B4J4301-BLK1) Mercury, total Blank (B4J4301-BLK2) Mercury, total Blank (B4J4301-BLK3) Mercury, total Blank (B4J4301-BLK4) Mercury, total LCS (B4J4301-BS1) Mercury, total LCS (B4J4301-BS2) Mercury, total LCS (B4J4301-BS3) Mercury, total LCS (B4J4301-BS3) Mercury, total LCS (B4J4301-BS3) Mercury, total LCS (B4J4301-BS4) Mercury, total	1 < 0.000010 < 0.000010 < 0.000010 < 0.000010	0.000010 0.000010 0.000010 0.000010 0.000010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	Prepared Prepared Prepared O.00250 Prepared O.00250 Prepared O.00250 Prepared O.00250	: 2024-10-24 : 2024-10-24 : 2024-10-24 : 2024-10-24 : 2024-10-24	I, Analyze I20 I, Analyze I07	d: 2024-1 d: 2024-1 d: 2024-1 d: 2024-1 80-120 d: 2024-1 80-120 d: 2024-1 80-120	0-24 0-24 0-24 0-24 0-24 0-24		
Fotal Metals, Batch B4J430 Blank (B4J4301-BLK1) Mercury, total Blank (B4J4301-BLK2) Mercury, total Blank (B4J4301-BLK3) Mercury, total Blank (B4J4301-BLK4) Mercury, total LCS (B4J4301-BS1) Mercury, total LCS (B4J4301-BS2) Mercury, total LCS (B4J4301-BS3) Mercury, total LCS (B4J4301-BS3) Mercury, total LCS (B4J4301-BS4) Mercury, total LCS (B4J4301-BS4) Mercury, total	1 < 0.000010 < 0.000010 < 0.000010 < 0.000010	0.000010 0.000010 0.000010 0.000010 0.000010 0.000010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	Prepared Prepared Prepared Prepared 0.00250 Prepared 0.00250 Prepared 0.00250 Prepared 0.00250 Prepared	: 2024-10-24 : 2024-10-24 : 2024-10-24 : 2024-10-24 : 2024-10-24 : 2024-10-24	I, Analyze I20 I, Analyze I07	d: 2024-1 d: 2024-1 d: 2024-1 d: 2024-1 80-120 d: 2024-1 80-120 d: 2024-1 80-120	0-24 0-24 0-24 0-24 0-24 0-24		
Blank (B4J4301-BLK1) Mercury, total Blank (B4J4301-BLK2) Mercury, total Blank (B4J4301-BLK3) Mercury, total Blank (B4J4301-BLK4) Mercury, total Blank (B4J4301-BLK4) Mercury, total LCS (B4J4301-BS1) Mercury, total LCS (B4J4301-BS2) Mercury, total LCS (B4J4301-BS3) Mercury, total LCS (B4J4301-BS4) Mercury, total LCS (B4J4301-BS4) Mercury, total LCS (B4J4301-BS4) Mercury, total Matrix Spike (B4J4301-MS1 Mercury, total	1	0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	Prepared Prepared Prepared Prepared 0.00250 Prepared 0.00250 Prepared 0.00250 Prepared 0.00250 Prepared	: 2024-10-24 : 2024-10-24 : 2024-10-24 : 2024-10-24 : 2024-10-24 : 2024-10-24 : 2024-10-24	I, Analyze I20 I, Analyze I07 I, Analyze	d: 2024-1 d: 2024-1 d: 2024-1 d: 2024-1 80-120 d: 2024-1 80-120 d: 2024-1 80-120 d: 2024-1	0-24 0-24 0-24 0-24 0-24 0-24		
Blank (B4J4301-BLK1) Mercury, total Blank (B4J4301-BLK2) Mercury, total Blank (B4J4301-BLK3) Mercury, total Blank (B4J4301-BLK4) Mercury, total Blank (B4J4301-BLK4) Mercury, total LCS (B4J4301-BS1) Mercury, total LCS (B4J4301-BS2) Mercury, total LCS (B4J4301-BS3) Mercury, total LCS (B4J4301-BS3) Mercury, total LCS (B4J4301-BS4) Mercury, total LCS (B4J4301-BS4) Mercury, total Matrix Spike (B4J4301-MS1 Mercury, total	1	0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	Prepared Prepared Prepared Prepared 0.00250 Prepared 0.00250 Prepared 0.00250 Prepared 0.00250 Prepared 0.00250	: 2024-10-24 : 2024-10-24 : 2024-10-24 : 2024-10-24 : 2024-10-24 : 2024-10-24 : 2024-10-24	I, Analyze I20 I, Analyze I07 I, Analyze I93	d: 2024-1 d: 2024-1 d: 2024-1 d: 2024-1 80-120 d: 2024-1 80-120 d: 2024-1 80-120 d: 2024-1 70-130	0-24 0-24 0-24 0-24 0-24 0-24 0-24		
Blank (B4J4301-BLK1) Mercury, total Blank (B4J4301-BLK2) Mercury, total Blank (B4J4301-BLK3) Mercury, total Blank (B4J4301-BLK4) Mercury, total Blank (B4J4301-BLK4) Mercury, total LCS (B4J4301-BS1) Mercury, total LCS (B4J4301-BS2) Mercury, total LCS (B4J4301-BS3) Mercury, total LCS (B4J4301-BS3) Mercury, total LCS (B4J4301-BS4) Mercury, total Matrix Spike (B4J4301-MS1 Mercury, total Matrix Spike (B4J4301-MS1 Mercury, total	1	0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	Prepared Prepared Prepared Prepared 0.00250 Prepared 0.00250 Prepared 0.00250 Prepared 0.00250 Prepared 0.00250	: 2024-10-24 : 2024-10-24 : 2024-10-24 : 2024-10-24 : 2024-10-24 : 2024-10-24 : 2024-10-24 < 0.000010	I, Analyze I20 I, Analyze I07 I, Analyze I93	d: 2024-1 d: 2024-1 d: 2024-1 d: 2024-1 80-120 d: 2024-1 80-120 d: 2024-1 80-120 d: 2024-1 70-130	0-24 0-24 0-24 0-24 0-24 0-24 0-24		
Blank (B4J4301-BLK1) Mercury, total Blank (B4J4301-BLK2) Mercury, total Blank (B4J4301-BLK3) Mercury, total Blank (B4J4301-BLK4) Mercury, total Blank (B4J4301-BLK4) Mercury, total LCS (B4J4301-BS1) Mercury, total LCS (B4J4301-BS2) Mercury, total LCS (B4J4301-BS3) Mercury, total LCS (B4J4301-BS3) Mercury, total LCS (B4J4301-BS4) Mercury, total Matrix Spike (B4J4301-MS1 Mercury, total Matrix Spike (B4J4301-MS1 Mercury, total	1	0.000010 0.000010 0.000010 0.000010 0.000010 0.000010 0.000010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	Prepared Prepared Prepared Prepared 0.00250 Prepared 0.00250 Prepared 0.00250 Prepared 0.00250 Prepared 0.00250	: 2024-10-24 : 2024-10-24 : 2024-10-24 : 2024-10-24 : 2024-10-24 : 2024-10-24 : 2024-10-24 < 0.000010	I, Analyze I20 I, Analyze I07 I, Analyze I93	d: 2024-1 d: 2024-1 d: 2024-1 d: 2024-1 80-120 d: 2024-1 80-120 d: 2024-1 80-120 d: 2024-1 70-130	0-24 0-24 0-24 0-24 0-24 0-24 0-24		



REPORTED TOPrince George, City of - Pump StationWORK ORDER24J2876PROJECTRaw Water - PW 660REPORTED2024-11-04 12:31

VV 000				REPORTED		2024-11-04		12.51	
Result	RL Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier	
	ntinued	_							
		Prepared	: 2024-10-2	3, Analyze	d: 2024-1	10-24			
< 0.0010	0.0010 mg/L								
0.0168	mg/L	0.0188		90	70-130				
0.0200	mg/L	0.0199		101	70-130				
		Prepared	: 2024-10-2	3, Analyze					
0.0146	0.0010 mg/L	0.0201		73	70-130			•	
0.0123	0.0010 mg/L	0.0201		61	70-130			SPK	
0.0169	0.0010 mg/L	0.0201		84	70-130				
	Result 0, Batch B4J4064, Co. < 0.0010	Result RL Units	Result RL Units Spike Level	Result RL Units Spike Source Level Result	Result RL Units Spike Level Source Result % REC Level 0, Batch B4J4064, Continued Prepared: 2024-10-23, Analyze < 0.0010	Result RL Units Spike Level Source Result % REC Limit 0, Batch B4J4064, Continued Prepared: 2024-10-23, Analyzed: 2024-7 < 0.0010	Result RL Units Spike Source Result % REC Limit % RPD Level Result % REC Limit % RPD Level Result % REC Limit % RPD Limit % RPD Result % REC Limit % REC Li	Result RL Units Spike Result % REC Limit % RPD Limit Prepared: 2024-10-23, Analyzed: 2024-10-24 < 0.0010 0.0010 mg/L 0.0168 mg/L 0.0188 90 70-130 0.0200 mg/L 0.0199 101 70-130 Prepared: 2024-10-23, Analyzed: 2024-10-24 Prepared: 2024-10-23, Analyzed: 2024-10-24 0.0146 0.0010 mg/L 0.0201 73 70-130 0.0123 0.0010 mg/L 0.0201 61 70-130	

0.0201

0.0188

0.0199

65

78

70-130

70-130

70-130

SPK

0.0010 mg/L

mg/L

mg/L

QC Qualifiers:

Dibromochloromethane

Surrogate: Toluene-d8

Surrogate: 4-Bromofluorobenzene

SPK The recovery of this analyte was outside of established control limits.

0.0130

0.0147

0.0178