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Report Trans	smission Cover Page				
Bill To:	City of Maple Ridge 23925 Dewdney Trunk Rd.	Project ID: Project Name:	Potability Testing	Lot ID: Control Number:	1645770
	Maple Ridge, BC, Canada	Project Location:		Date Received:	Apr 21, 2023
	V2X 6A9	LSD:		Date Reported:	1 7
Attn:	Mitch Stripp	P.O.:		Report Number:	
Sampled By:		Proj. Acct. code:			
Company:					
Contact	Company		Address		
Binny Sivia	Fraser Health Auth	ority	400, 2777 Gladwin R		
			Abbotsford, BC V2T		
			Phone: (604) 870-79		(604) 852-1558
			Email: Binny.Sivia@	<pre>@FraserHealth.ca</pre>	
Delivery	<u>Format</u>		Delivera	ables	
Email - Merge	PDF	PDF COC / Test Report			
Mike Albrecht	City of Maple Ridge	e			
			Maple Ridge, BC V38		
			Phone: (604) 363-66		
				mapleridge.ca	
<u>Delivery</u>	Forma	<u>at</u>	<u>Deliverables</u>		
Email	PDF		COA		
Email	PDF		Invoice		
Email	PDF		Test Re		
Mitch Stripp	City of Maple Ridge		23925 Dewdney Trur		
			Maple Ridge, BC V2>		
			Phone: (604) 375-55		
			Email: mstripp@ma		
<u>Delivery</u>	<u>Forma</u>	at	Delivera	ables	
Email	PDF		Invoice		

# Notes To Clients:

• Apr 25, 2023 - Sample 1645770-2; 8606357: The analysis of water sample 1645770-2 is below Maximum Acceptable Concentrations for the chemical and bacteriological health related guidelines specified by the September 2022 Guidelines for Canadian Drinking Water Quality for the parameters tested.

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Page 1 of 3

Analytical Re	•					
Attn: Sampled By:	City of Maple Ridge 23925 Dewdney Trunk Rd. Maple Ridge, BC, Canada V2X 6A9 Mitch Stripp	Project ID: Project Name: Project Location: LSD: P.O.: Proj. Acct. code:	Potability Testing	Dat Dat	Lot ID: <b>16457</b> rol Number: e Received: Apr 21, 2 e Reported: Apr 25, 2 ort Number: 2865101	2023 2023
Company:						
		Reference Number Sample Date Sample Time Sample Location	1645770-2 April 21, 2023 11:56			
		Sample Description Sample Matrix	Thornhill Hall Wel Drinking Water	1/7.7°C		
Analyte		Units		ominal Detectio Limit	n Guideline Limit	Guideline Comments
Vetals Extracta	ble					
Aluminum	Extractable	mg/L	0.010	0.001	0.1 OG; 2.9 MAC	Below OG
Antimony	Extractable	mg/L	<0.00002	0.00002	0.006	Below MAC
Arsenic	Extractable	mg/L	0.0011	0.0001	0.010	Below MAC
Barium	Extractable	mg/L	0.0002	0.0001	2.0	Below MAC
Boron	Extractable	mg/L	0.36	0.002	5	Below MAC
Cadmium	Extractable	mg/L	<0.00001	0.00001	0.007	Below MAC
Chromium	Extractable	mg/L	<0.00005	0.00005	0.05	Below MAC
Copper	Extractable	mg/L	<0.0005	0.0005	1 AO; 2 MAC	Below AO
Lead	Extractable	mg/L	0.00002	0.00001	0.005	Below MAC
Selenium	Extractable	mg/L	<0.0002	0.0002	0.05	Below MAC
Strontium	Extractable	mg/L	0.0062	0.0001	7.0	Below MAC
Uranium	Extractable	mg/L	<0.00001	0.00001	0.02	Below MAC
Vanadium	Extractable	mg/L	0.00030	0.00005	0.02	
Zinc	Extractable	mg/L	< 0.0005	0.0005	5.0	Below AO
/icrobiological		ing/L	\$0.0000	0.0000	0.0	Delow / Co
Total Coliforms	Enzyme Substra Test	te MPN/100 mL	<1.0	1.0	0 per 100 mL	Below MAC
Escherichia coli	Enzyme Substra Test	te MPN/100 mL	<1.0	1.0	0 per 100 mL	Below MAC
hysical and Ag	ggregate Properties					
Colour	True	Colour units	<5	5		
Turbidity		NTU	0.11	0.1	0.1/0.3/1.0 OG	
Routine Water						
pH - Holding Tin			Exceeded			
рН	at 25 °C	<b>e</b> /	9.41	0.01	7.0-10.5	Within Range
Electrical Condu		μS/cm at 25 °C	143	1		
Calcium	Extractable	mg/L	1.4	0.01	• -	<b>.</b>
Iron	Extractable	mg/L	<0.004	0.004	0.3	Below AO
Magnesium	Extractable	mg/L	<0.02	0.02		<b>.</b>
Manganese	Extractable	mg/L	<0.001	0.001	0.02 AO; 0.12 MAC	Below AO
Potassium	Extractable	mg/L	0.15	0.04		
Silicon	Extractable	mg/L	11	0.005	000	
Sodium	Extractable	mg/L	25	0.1	200	Below AO
T-Alkalinity	as CaCO3	mg/L	60	5	050	
Chloride	Dissolved	mg/L	1.78	0.05	250	Below AO
Fluoride	Dissolved	mg/L	1.05	0.01	1.5	Below MAC
Nitrate - N	Dissolved	mg/L	<0.01	0.01	10	Below MAC
Nitrite - N	Dissolved	mg/L	<0.01	0.01	1	Below MAC
Sulfate (SO4)	Dissolved	mg/L	2.4	0.1	500	Below AO



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Analytical Rep	ort						
Bill To: 0	City of Maple Ridge	Project ID:			Lot ID: 1645	770	
2	3925 Dewdney Trunk Rd.	Project Name:	Potability Testing	Control	Number:		
Ν	laple Ridge, BC, Canada	Project Location:		Date F	Received: Apr 21,	2023	
١	V2X 6A9	LSD:		Date F	Reported: Apr 25,	•	
Attn: M	/litch Stripp	P.O.:		Report	Number: 286510	1	
Sampled By:		Proj. Acct. code:					
Company:							
		Reference Number	1645770-2				
		Sample Date	April 21, 2023				
		Sample Time	11:56				
		Sample Location					
		Sample Description	Thornhill Hall	Nell / 7.7 °C			
		Sample Matrix	Drinking Wate	r			
			_	Nominal Detection	Guideline	Guideline	
Analyte		Units	Result	Limit	Limit	Comments	
Routine Water - C	ontinued						
Hardness	as CaCO3 (extractable)	mg/L	3.4	1			
Total Dissolved Se	olids Extractable	mg/L	98	1	500	Below AO	

Mox Heit

Max Hewitt Operations Manager

Data have been validated by Analytical Quality Control and Element's Integrated Data Validation System (IDVS). Generation and distribution of the report, and approval by the digitized signature above, are performed through a secure and controlled automatic process.

Approved by:



# Methodology and Notes

**Method of Analysis** 

Bill To:	City of Maple Ridge	Proj
	23925 Dewdney Trunk Rd.	Proj
	Maple Ridge, BC, Canada	Proj
	V2X 6A9	LSE
Attn:	Mitch Stripp	P.0
Sampled By:		Proj
Company:		

### oject ID: oject Name: Potability Testing oject Location: D: D: oj. Acct. code:

Element

#104, 19575-55 A Ave. Surrey, British Columbia

V3S 8P8, Canada

T: +1 (604) 514-3322 F: +1 (604) 514-3323 E: info.vancouver@element.com W: www.element.com

Lot ID: 1645770

Control Number:	
Date Received:	Apr 21, 2023
Date Reported:	Apr 25, 2023
Report Number:	2865101

Method Name	Reference	Method	Date Analysis Started	Location
Alk, pH, EC, Turb in water (BC)	APHA	* Alkalinity - Titration Method, 2320 B	Apr 24, 2023	Element Vancouver
Alk, pH, EC, Turb in water (BC)	APHA	* Conductivity, 2510 B	Apr 24, 2023	Element Vancouver
Alk, pH, EC, Turb in water (BC)	APHA	* pH - Electrometric Method, 4500-H+ B	Apr 24, 2023	Element Vancouver
Anions by IEC in water (VAN)	APHA	<ul> <li>* Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B</li> </ul>	Apr 24, 2023	Element Vancouver
Metals SemiTrace (Extractable) in water (VAN)	US EPA	* Metals & Trace Elements by ICP-AES, 6010C	Apr 24, 2023	Element Vancouver
Total and E-Coli - Colilert - DW (VAN)	APHA	Enzyme Substrate Test, APHA 9223 B	Apr 21, 2023	Element Vancouver
Trace Metals (extractable) in Water (VAN)	US EPA	<ul> <li>* Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8</li> </ul>	Apr 24, 2023	Element Vancouver
True Color in water (VAN)	APHA	<ul> <li>* Spectrophotometric - Single Wavelength Method, 2120 C</li> </ul>	Apr 24, 2023	Element Vancouver
Turbidity - Water (VAN)	APHA	* Turbidity - Nephelometric Method, 2130 B * Reference Method Modified	Apr 24, 2023	Element Vancouver

#### References

APHAStandard Methods for the Examination of Water and WastewaterUS EPAUS Environmental Protection Agency Test Methods

#### Guidelines

Guideline Description	Health Canada GCDWQ
Guideline Source	Guidelines for Canadian Drinking Water Quality, Health Canada, Sept 2020
Guideline Comments	MAC = Maximum Acceptable Concentration
	AO = Aesthetic Objective
	OG = Operational Guideline for Water Treatment Plants
	(does not apply to private groundwater wells).
	Refer to Health Canada for complete guidelines at www.hc-sc.gc.ca

# Comments:

• Apr 25, 2023 - Sample 1645770-2; 8606357: The analysis of water sample 1645770-2 is below Maximum Acceptable Concentrations for the chemical and bacteriological health related guidelines specified by the September 2022 Guidelines for Canadian Drinking Water Quality for the parameters tested.

The comparison of test results to guideline limits is provided for information purposes only. This is not to be taken as a statement of conformance / nonconformance to any guideline, regulation or limit. The data user is responsible for all conclusions drawn with respect to the data and is advised to consult official regulatory references when evaluating compliance.

Please direct any inquiries regarding this report to our Client Services group. Results relate only to samples as submitted.

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