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Report Transmission Cover Page

Bill To: Aaron Service

4703 Marine Avenue

Powell River, BC, Canada

V8A 2L2

Attn: Coranne Anderson

Sampled By:

Company:

Project ID: Well #1

Project Name: Savary Shores,

Improvement District

Project Location: 2785 Vancouver Blvd.

LSD: P.O.:

Proj. Acct. code:

Lot ID: 1529192

Control Number:

Date Received: Oct 20, 2021 Date Reported: Oct 25, 2021

Report Number: 2678058

Contact	Company	Address
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		Powell River, BC V8A 2L2
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Delivery	<u>Format</u>	<u>Deliverables</u>
Email - Single Report	PDF	COR
Email - Single Report	PDF	Invoice
Email - Single Report	PDF	Test Report
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Email - Merge Reports	PDF	COA
Email - Merge Reports	PDF	COC / Test Report
Email - Merge Reports	PDF	COR
Email - Merge Reports	PDF	Invoice
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Delivery	<u>Format</u>	<u>Deliverables</u>
Email - Merge Reports	PDF	COC / Test Report
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Delivery	<u>Format</u>	<u>Deliverables</u>
Email - Merge Reports	PDF	Test Report

Notes To Clients:

- Oct 21, 2021 Sample 1529192-1; 7717444: Reduction of analytical volume was necessary for chloride analysis to bring results within the analytical range for sample 1529192-1. Detection limits are adjusted accordingly.
- The analysis of water sample 1529192-1 is below Maximum Acceptable Concentrations for the chemical and bacteriological health • Oct 25, 2021 related guidelines specified by the September 2020 Guidelines for Canadian Drinking Water Quality for the parameters tested.

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Analytical Report

Bill To: Aaron Service

4703 Marine Avenue

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V8A 2L2

Attn: Coranne Anderson

Sampled By:

Company:

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Project Name: Savary Shores,

Improvement District

Project Location: 2785 Vancouver Blvd.

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Lot ID: 1529192

Control Number:

Date Received: Oct 20, 2021 Date Reported: Oct 25, 2021

Report Number: 2678058

Reference Number

1529192-1 Sample Date October 19, 2021

Sample Time 10:30

Sample Location **Sample Description**

Sample Matrix

Well #1 / 5.4 °C **Drinking Water**

				Nominal Detection	Guideline	Guideline		
Analyte		Units	Result	Limit	Limit	Comments		
Aggregate Organic Con	stituents							
UV Transmittance		%/cm	98.3	0.1				
Inorganic Nonmetallic P	arameters							
Tannin & Lignin	as Tannic Acid	mg/L	<0.1	0.1				
Metals Extractable								
Aluminum	Extractable	mg/L	< 0.001	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	0.0001	0.0001	0.010	Below MAC		
Barium	Extractable	mg/L	0.015	0.0001	2.0	Below MAC		
Boron	Extractable	mg/L	0.016	0.002	5	Below MAC		
Cadmium	Extractable	mg/L	< 0.00001	0.00001	0.007	Below MAC		
Chromium	Extractable	mg/L	0.00013	0.00005	0.05	Below MAC		
Copper	Extractable	mg/L	0.0077	0.0005	1 AO; 2 MAC	Below AO		
Lead	Extractable	mg/L	<0.00001	0.00001	0.005	Below MAC		
Selenium	Extractable	mg/L	<0.0002	0.0002	0.05	Below MAC		
Strontium	Extractable	mg/L	0.13	0.0001	7.0	Below MAC		
Uranium	Extractable	mg/L	0.00020	0.00001	0.02	Below MAC		
Vanadium	Extractable	mg/L	0.0011	0.00005				
Zinc	Extractable	mg/L	0.0014	0.0005	5.0	Below AO		
Microbiological Analysis	s							
Total Coliforms	Enzyme Substrate Test	MPN/100 mL	<1.0	1.0	0 per 100 mL	Below MAC		
Escherichia coli	Enzyme Substrate Test	MPN/100 mL	<1.0	1.0	0 per 100 mL	Below MAC		
Physical and Aggregate	Properties							
Colour	True	Colour units	<5	5				
Turbidity		NTU	0.36	0.1	0.1	Above OG		
Routine Water								
pH - Holding Time			Exceeded					
рН	at 25 °C		7.33	0.01	7.0-10.5	Within Range		
Electrical Conductivity		μS/cm at 25 °C	306	1				
Calcium	Extractable	mg/L	15	0.01				
Iron	Extractable	mg/L	<0.004	0.004	0.3	Below AO		
Magnesium	Extractable	mg/L	6.8	0.02				
Manganese	Extractable	mg/L	<0.001	0.001	0.02 AO; 0.12 MAC	Below AO		
Potassium	Extractable	mg/L	2.0	0.04				
Silicon	Extractable	mg/L	13	0.005				
Sodium	Extractable	mg/L	28	0.1	200	Below AO		
T-Alkalinity	as CaCO3	mg/L	44	5				



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Sampled By: Company: Project ID: Well #1

Project Name: Savary Shores,

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Project Location: 2785 Vancouver Blvd.

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Control Number:

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Report Number: 2678058

Reference Number Sample Date

1529192-1

October 19, 2021

Sample Time 10:30

Sample Location

Sample Description

Sample Matrix

Well #1 / 5.4 °C

Drinking Water

Analyte		Units	Result	Nominal Detection Limit	Guideline Limit	Guideline Comments
Routine Water - Continu	ed					
Chloride	Dissolved	mg/L	51.6	0.05	250	Below AO
Fluoride	Dissolved	mg/L	<0.01	0.01	1.5	Below MAC
Nitrate - N	Dissolved	mg/L	2.42	0.01	10	Below MAC
Nitrite - N	Dissolved	mg/L	<0.01	0.01	1	Below MAC
Sulfate (SO4)	Dissolved	mg/L	8.2	0.1	500	Below AO
Hardness	as CaCO3 (extractable)	mg/L	67	1		
Total Dissolved Solids	Extractable	mg/L	184	1	500	Below AO

Approved by:

Carol Nam, Dipl. T.

Quality Assurance Coordinator



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Methodology and Notes

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Method of Analysis			
Method Name	Reference	Method Date Analysis Location Started	
Alk, pH, EC, Turb in water (BC)	APHA	Alkalinity - Titration Method, 2320 B Oct 21, 2021 Element Vancouve	er
Alk, pH, EC, Turb in water (BC)	APHA	Conductivity, 2510 B Oct 21, 2021 Element Vancouve	er
Alk, pH, EC, Turb in water (BC)	APHA	pH - Electrometric Method, 4500-H+ B Oct 21, 2021 Element Vancouve	er
Anions by IEC in water (VAN)	APHA	Ion Chromatography with Chemical Oct 20, 2021 Element Vancouve Suppression of Eluent Cond., 4110 B	er
Metals SemiTrace (Extractable) in water (VAN)	US EPA	Metals & Trace Elements by ICP-AES, Oct 20, 2021 Element Vancouve 6010C	er
Tannin and Lignin in water (VAN)	APHA	Colorimetric Method, 5550 B Oct 20, 2021 Element Vancouve	er
Total and E-Coli - Colilert - DW (VAN)	APHA	Enzyme Substrate Test, APHA 9223 B Oct 20, 2021 Element Vancouve	er
Trace Metals (extractable) in Water (VAN)	US EPA	Determination of Trace Elements in Oct 20, 2021 Element Vancouve Waters and Wastes by ICP-MS, 200.8	er
True Color in water (VAN)	APHA	Spectrophotometric - Single Wavelength Oct 21, 2021 Element Vancouve Method, 2120 C	er
Turbidity - Water (VAN)	APHA	Turbidity - Nephelometric Method, 2130 B Oct 21, 2021 Element Vancouve	er
Ultraviolet Transmittance in Water	APHA	Ultraviolet Absorption Method, 5910 B Oct 21, 2021 Element Vancouve	er

^{*} Reference Method Modified

References

APHA Standard Methods for the Examination of Water and Wastewater

US EPA US Environmental Protection Agency Test Methods

Guidelines

Guideline Description Health Canada GCDWQ

Guidelines for Canadian Drinking Water Quality, Health Canada, Sept 2020 Guideline Source

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:

Sample 1529192-1; 7717444: Reduction of analytical volume was necessary for chloride analysis to bring results within the analytical • Oct 21, 2021 range for sample 1529192-1. Detection limits are adjusted accordingly.

The analysis of water sample 1529192-1 is below Maximum Acceptable Concentrations for the chemical and bacteriological health related guidelines specified by the September 2020 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.

The test report shall not be reproduced except in full, without the written approval of the laboratory.

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