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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: Courtney Company: Customer

Project ID: Savary Shores

Project Name: Improvement District

Project Location:

LSD: Savary Island P.O.: 339865

Proj. Acct. code:

Lot ID: 1377896

Control Number:

Date Received: Sep 19, 2019
Date Reported: Sep 25, 2019

Report Number: 2443048

Contact	Company	Address	
Accounts Payable	Aaron Service	4703 Marine Avenue	
		Powell River, BC V8A 2L2	
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		Email: sales@aaronservice.com	
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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		Powell River, BC V8A 2L2	
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		Email: coranne@aaronservice.com	
Delivery	<u>Format</u>	<u>Deliverables</u>	
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Email - Merge Reports	PDF	COC / Test Report	
Email - Merge Reports	PDF	COR	
Email - Merge Reports	PDF	Invoice	
Ryan Anderson	Aaron Service	4703 Marine Avenue	
		Powell River, BC V8A 2L2	
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Email - Merge Reports	PDF	COC / Test Report	
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<u>Delivery</u>	<u>Format</u>	<u>Deliverables</u>	
Email - Merge Reports	PDF	Test Report	

Notes To Clients:

• Sep 25, 2019 - The analysis of water sample 1377896-1 is below Maximum Acceptable Concentrations for the chemical and bacteriological health related guidelines specified by the June 2019 Guidelines for Canadian Drinking Water Quality for the parameters tested.

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If you receive this transmission by error, or if this transmission is not satisfactory, please notify us by telephone.

Lot ID: 1377896

Sep 19, 2019



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Analytical Report

Bill To: Aaron Service Project ID: Savary Shores

4703 Marine Avenue Project Name: Improvement District Control Number:

Powell River, BC, Canada Project Location: Date Received:

V8A 2L2 LSD: Savary Island Date Reported: Sep 25, 2019
Attn: Coranne Anderson P.O.: 339865 Report Number: 2443048

Sampled By: Courtney Proj. Acct. code:

Company: Customer

Reference Number 1377896-1

Sample Date September 18, 2019

Sample Time 09:45
Sample Location

Sample Description Well # 1-Savary Shores Improvement District / 7.8°C

Sample Matrix Drinking Water

		Sample Matrix	Drinking Water	r		
				Nominal Detection	Guideline	Guideline
Analyte		Units	Result	Limit	Limit	Comments
Inorganic Nonmetallic Para	ameters					
Tannin & Lignin	as Tannic Acid	mg/L	<0.1	0.1		
Metals Extractable						
Aluminum	Extractable	mg/L	< 0.001	0.001	0.1	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	0.0070	0.0001	1	Below MAC
Boron	Extractable	mg/L	0.017	0.002	5	Below MAC
Cadmium	Extractable	mg/L	< 0.00001	0.00001	0.005	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	0.1168	0.0001	7.0	Below MAC
Uranium	Extractable	mg/L	0.00018	0.00001	0.02	Below MAC
Vanadium	Extractable	mg/L	0.00085	0.00005		
Zinc	Extractable	mg/L	0.0031	0.0005	5.0	Below AO
Microbiological Analysis						
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 Pr	operties					
Colour	True	Colour units	<5	5		
Turbidity		NTU	0.23	0.1	0.1	Above AO
Routine Water						
pH - Holding Time			Exceeded			
рН	at 25 °C		6.96	0.01	7.0-10.5	Below Range
Electrical Conductivity		μS/cm at 25 °C	230	1		
Calcium	Extractable	mg/L	13	0.01		
Iron	Extractable	mg/L	0.006	0.004	0.3	Below AO
Magnesium	Extractable	mg/L	5.2	0.02		
Manganese	Extractable	mg/L	0.002	0.001	0.02 AO; 0.12 MAC	Below AO
Potassium	Extractable	mg/L	1.7	0.04		
Silicon	Extractable	mg/L	12	0.005		
Sodium	Extractable	mg/L	18	0.1	200	Below AO
T-Alkalinity	as CaCO3	mg/L	50	5		
Chloride	Dissolved	mg/L	29.7	0.05	250	Below AO
Fluoride	Dissolved	mg/L	0.08	0.01	1.5	Below MAC
Nitrate - N	Dissolved	mg/L	3.37	0.01	10	Below MAC



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Analytical Report

Bill To: Aaron Service

4703 Marine Avenue

Powell River, BC, Canada

V8A 2L2

Attn: Coranne Anderson

Sampled By: Courtney Company: Customer Project ID: Savary Shores Project Name:

Improvement District

Savary Island

339865

Control Number:

Date Reported:

Date Received: Sep 19, 2019

Sep 25, 2019

Lot ID: 1377896

Report Number: 2443048

Reference Number

Project Location:

Proj. Acct. code:

1377896-1

Sample Date

September 18, 2019 09:45

Sample Time **Sample Location**

Sample Matrix

Sample Description

LSD:

P.O.:

Well # 1-Savary Shores Improvement District / 7.8°C

Drinking Water

				Nominal Detection	Guideline	Guideline
Analyte		Units	Result	Limit	Limit	Comments
Routine Water - Continu	ed					
Nitrite - N	Dissolved	mg/L	< 0.01	0.01	1	Below MAC
Sulfate (SO4)	Dissolved	mg/L	4.7	0.1	500	Below AO
Hardness	as CaCO3 (extractable)	mg/L	55	1		
Total Dissolved Solids	Extractable	mg/L	149	1		

Approved by:

Mathieu Simoneau

Nothier



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Methodology and Notes

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4703 Marine Avenue

Powell River, BC, Canada

V8A 2L2

Attn: Coranne Anderson

Sampled By: Courtney Company: Customer

Project ID: Savary Shores
Project Name: Improvement D

Project Name: Improvement District Project Location:

LSD: Savary Island P.O.: 339865

Proj. Acct. code:

Lot ID: 1377896

Control Number:

Date Received: Sep 19, 2019
Date Reported: Sep 25, 2019

Report Number: 2443048

Method of Analysis

Method Name	Reference	Method	Date Analysis Started	Location
Alk, pH, EC, Turb in water (BC)	APHA	* Alkalinity - Titration Method, 2320 B	Sep 19, 2019	Element Vancouver
Alk, pH, EC, Turb in water (BC)	APHA	* Conductivity, 2510 B	Sep 19, 2019	Element Vancouver
Alk, pH, EC, Turb in water (BC)	APHA	* pH - Electrometric Method, 4500-H+ B	Sep 19, 2019	Element Vancouver
Anions by IEC in water (VAN)	APHA	* Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B	Sep 19, 2019	Element Vancouver
Metals SemiTrace (Extractable) in water (VAN)	US EPA	* Metals & Trace Elements by ICP-AES, 6010C	Sep 20, 2019	Element Vancouver
Tannin and Lignin in water (VAN)	APHA	* Colorimetric Method, 5550 B	Sep 23, 2019	Element Vancouver
Total and E-Coli - Colilert - DW (VAN)	APHA	Enzyme Substrate Test, APHA 9223 B	Sep 19, 2019	Element Vancouver
Trace Metals (extractable) in Water (VAN)	US EPA	* Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8	Sep 20, 2019	Element Vancouver
True Color in water (VAN)	APHA	 * Spectrophotometric - Single Wavelength Method, 2120 C 	Sep 19, 2019	Element Vancouver
Turbidity - Water (VAN)	APHA	* Turbidity - Nephelometric Method, 2130 B	Sep 20, 2019	Element Vancouver

^{*} 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

Guideline Source Guidelines for Canadian Drinking Water Quality, Health Canada, June 2019

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:

• Sep 25, 2019 - The analysis of water sample 1377896-1 is below Maximum Acceptable Concentrations for the chemical and bacteriological health related guidelines specified by the June 2019 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.

Project Name Improvement Del Phone 604-485-5611 Attention Coranne Androject Location Cell egal Location Gavary Toland Fax O/AFE# 339865 E-mail Coranne@aaronservice.com Attention Coranne Androject Location Co	Results Require E-Mail X HCDWQG Ab Tier 1 Online SPIGEC In Spigec Fax BCCSR PDF Other (list be become a companies) Excel QA/QC Sample Custody (please print) Sampled by: (Other Custody)
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Powell River, BC V8A 2L2 Powell River, BC V8A 2L2 Attention Coranne Anderson Attention Phone God-485-5611 Cell Fax AFE# Acct. Code Agreement ID Copy of Report Emergency (contact lab for turnaround and pricing) Priority 1-2 working days (100% surcharge) Urgent 2-3 working days (50% surcharge) Date Required Signature Special Instructions/Comments (please include contact information including ph. # if different from above) Site I.D. Sample description Attention Powell River, BC V8A 2L2 Agreement Attention Coranne Anderson Attention Phone 604-485-5611 Coranne Qaaronservice.com E-mail 1 Coranne Qaaronservice.com E-mail 2 trevor Qaaron Copy of Invoice Copy of Invoice RUSH priority When "ASAP" is requested, turn around will default to a 100% RUSH priority 1-2 working days (100% surcharge) When "ASAP" is requested, turn around will default to a 100% RUSH priority 1-2 working days (100% surcharge) When "ASAP" is requested, turn around will default to a 100% RUSH priority 1-2 working days (100% surcharge) When "ASAP" is requested, turn around will default to a 100% RUSH priority 1-2 working days (100% surcharge) When "ASAP" is requested, turn around will default to a 100% RUSH priority 1-2 working days (100% surcharge) When "ASAP" is requested, turn around will default to a 100% RUSH priority, with pricing and turn around time to match. Please contact the lab prior to submitting RUSH samples. If not all samples require RUSH, please indicate in the special instructions. Signature Signature Signature Signature Signature Agreement ID Agreement ID	Results Require E-Mail X HCDWQG Mail Ab Tier 1 Online SPIGEC Fax BCCSR PDF Other (list because of the company o
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