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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:

Project Name: Savary Shores

Improvement

Project Location: Savary Island

LSD:

P.O.: 423944

Proj. Acct. code:

Lot ID: 1808283

Control Number:

Date Received: Apr 17, 2025

Date Reported: Apr 24, 2025 Report Number: 3127795

Report Type: Final Report

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 - Merge	PDF	COC / Test Report											
Email - Merge	PDF	Invoice											
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		Powell River, BC V8A 2L2											
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<u>Delivery</u>	<u>Format</u>	<u>Deliverables</u>											
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Email - Merge	PDF	Invoice											
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Delivery	<u>Format</u>	<u>Deliverables</u>											
Email - Merge	PDF	COC / Test Report											
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Delivery	<u>Format</u>	<u>Deliverables</u>											
Email - Merge	PDF	COC / Test Report											

## **Notes To Clients:**

• Sample 1808283-1; 9911317: The analysis of water sample 1808283-1 is below Maximum Acceptable Concentrations for the chemical and bacteriological health related guidelines specified by the March 2025 Guidelines for Canadian Drinking Water Quality for the parameters tested.

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**Analytical Report** 

Bill To: Aaron Service

4703 Marine Avenue

Powell River, BC, Canada

element

V8A 2L2

Attn: Coranne Anderson

Sampled By:

Company:

Project ID:

Project Name: Savary Shores

Improvement

Project Location:

Savary Island

LSD:

P.O.: 423944

Proj. Acct. code:

Lot ID: 1808283

Control Number:

Date Received: Apr 17, 2025

Date Reported: Apr 24, 2025

Report Number: 3127795

Report Type: Final Report

**Reference Number** 

Sample Date

10:08

Sample Time Sample Location

**Sample Description** 

**Sample Matrix** 

Well #1 / 9.6 °C

**Drinking Water** 

1808283-1

April 16, 2025

		Sample Matrix	Drinking Water			
Analyte		Units	Result	Nominal DL	Guideline Limit	Guideline Comments
Aggregate Organic Co	matituanta	Offics	Nesuit	Nominal DE	Lillin	Comments
UV Transmittance	mstituents	%/cm	97.9	0.1		
	Doromotoro	70/CIII	97.9	0.1		
Inorganic Nonmetallic	as Tannic Acid	a/I	<0.1	0.1		
Tannin & Lignin  Metals Extractable	as rannic Acid	mg/L	<0.1	0.1		
Aluminum	Extractable	mg/L	<0.001	0.001	0.1 OG, 2.9 MAC	Below OG
Antimony	Extractable	mg/L	<0.0001	0.0001	0.10G, 2.9 MAC	Below MAC
Arsenic	Extractable	mg/L	0.0001	0.00002	0.000	Below MAC
Barium	Extractable	ŭ				Below MAC
		mg/L	0.016	0.0001	2.0	
Boron	Extractable	mg/L	0.017	0.002	5	Below MAC
Cadmium	Extractable	mg/L	<0.00001	0.00001	0.007	Below MAC
Chromium	Extractable	mg/L	0.00014	0.00005	0.05	Below MAC
Copper	Extractable	mg/L	0.011	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	0.14	0.0001	7.0	Below MAC
Uranium	Extractable	mg/L	0.00021	0.00001	0.02	Below MAC
Vanadium	Extractable	mg/L	0.0011	0.00005		
Zinc	Extractable	mg/L	0.0010	0.0005	5.0	Below AO
Microbiological Analys	sis					
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 Aggrega	te Properties					
Colour	True	Colour units	<5	5		
Turbidity		NTU	0.18	0.1		
Routine Water						
рН			6.99	0.01	7.0-10.5	Below Recommended Range
pH - Holding Time			Exceeded			<b>3</b> -
Temp. of observed pH		°C	21.6			
Electrical Conductivity	at 25 °C	μS/cm	324	1		
Calcium	Extractable	mg/L	16	0.01		
Iron	Extractable	mg/L	0.011	0.004	0.1	Below AO
Magnesium	Extractable	mg/L	7.2	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		

Below MAC

Below AO

Below AO



**Analytical Report** 

Bill To: Aaron Service

4703 Marine Avenue

Powell River, BC, Canada

Extractable

as CaCO3

Dissolved

Dissolved

Dissolved

Dissolved

Dissolved

Extractable

as CaCO3 (extractable)

V8A 2L2

Attn: Coranne Anderson

Sampled By: Company:

Analyte

Sodium

Chloride

Fluoride

Nitrate - N

Nitrite - N

Hardness

Sulfate (SO4)

**Total Dissolved Solids** 

T-Alkalinity

**Routine Water - Continued** 

Project ID:

Project Name: Savary Shores

Improvement

Project Location: Savary Island

LSD:

P.O.: 423944

Proj. Acct. code:

Lot ID: 1808283

Control Number:

T: +1 (604) 514-3322

W: www.element.com

Date Received: Apr 17, 2025 Date Reported: Apr 24, 2025

Report Number: 3127795 Report Type: Final Report

1808283-1 **Reference Number** 

> Sample Date April 16, 2025

Sample Time 10:08

Sample Location

**Sample Description** 

Units

mg/L

mg/L

mg/L

mg/L

mg/L

mg/L

mg/L

mg/L

mg/L

Sample Matrix

Well #1 / 9.6 °C

<0.01

9.5

71

194

**Drinking Water** Guideline Guideline **Nominal DL** Limit Comments Result 28 0.1 200 Below AO 41 5 0.05 250 Below AO 58.4 0.02 0.01 Below MAC 1.5 Below MAC 2.81 0.01 10

1.0

500

500

0.01

0.1

1

Approved by:

Misato Perry, B.Sc Biology **Operations Customer Support** 

Element #104, 19575-55 A Ave. Surrey, British Columbia V3S 8P8, Canada T: +1 (604) 514-3322 E: info.vancouver@element.com W: www.element.com

**Methodology and Notes** 

Bill To: Aaron Service

4703 Marine Avenue

Powell River, BC, Canada

V8A 2L2

Attn: Coranne Anderson

Sampled By: Company: Project ID:

Project Name: Savary Shores

Improvement

Project Location: Savary Island

LSD:

P.O.: 423944

Proj. Acct. code:

Lot ID: 1808283

Control Number:

Date Received: Apr 17, 2025 Date Reported: Apr 24, 2025

Report Number: 3127795 Report Type: Final Report

Method of Analysis

Metriod of Arialysis				
Method Name	Reference	Method	Date Analysis Started	Location
Alk, pH, EC, Turb in water (BC)	APHA	* Alkalinity - Titration Method, 2320 B	Apr 21, 2025	Element Vancouver
Alk, pH, EC, Turb in water (BC)	APHA	* Conductivity, 2510 B	Apr 21, 2025	Element Vancouver
Alk, pH, EC, Turb in water (BC)	APHA	* pH - Electrometric Method, 4500-H+ B	Apr 21, 2025	Element Vancouver
Anions by IEC in water (VAN)	APHA	* Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B	Apr 17, 2025	Element Vancouver
Metals SemiTrace (Extractable) in water (VAN)	US EPA	* Metals & Trace Elements by ICP-AES, 6010C	Apr 21, 2025	Element Vancouver
Tannin and Lignin in water (VAN)	APHA	* Colorimetric Method, 5550 B	Apr 22, 2025	Element Vancouver
Total and E-Coli - Colilert - DW (VAN)	APHA	Enzyme Substrate Test, APHA 9223 B	Apr 17, 2025	Element Vancouver
Trace Metals (extractable) in Water (VAN)	US EPA	* Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8	Apr 21, 2025	Element Vancouver
True Color in water (VAN)	APHA	* Spectrophotometric - Single Wavelength Method, 2120 C	Apr 21, 2025	Element Vancouver
Turbidity - Water (VAN)	APHA	* Turbidity - Nephelometric Method, 2130 B	Apr 17, 2025	Element Vancouver
Ultraviolet Transmittance in Water	APHA	* Ultraviolet Absorption Method, 5910 B	Apr 19, 2025	Element Vancouver

<sup>\*</sup> 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, August 2024

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 1808283-1; 9911317: The analysis of water sample 1808283-1 is below Maximum Acceptable Concentrations for the chemical and bacteriological health related guidelines specified by the March 2025 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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Project Informa	tion	Pow	ell River, B	C V8A 2L2		1	Powe	II Ri	ver,	BC \	/8A 2L	2			М	Mail		Ab Tier 1
Project ID		Attention Cora	nne Ander	son		Attentio	n Corar	ne i	Ande	ersoi	1				0	Online		SPIGEC
Project Name Savi	ary Shores	Phone 604-	485-5611			Phone	604-4	85-5	611						F	ax		BCCSR
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