

Report Transmission Cover Page

Bill To: Aaron Service 4703 Marine Avenue Powell River, BC, Canada V8A 2L2	Project ID: Project Name: Savary Shores Improvement Project Location: Savary Island LSD: P.O.: 415376 Proj. Acct. code:	Lot ID: 1760806 Control Number: Date Received: Sep 18, 2024 Date Reported: Sep 24, 2024 Report Number: 3047362 Report Type: Final Report
Attn: Coranne Anderson Sampled By: Janine Reimer Company:		

Contact	Company	Address
Accounts Payable	Aaron Service	4703 Marine Avenue Powell River, BC V8A 2L2 Phone: (604) 485-5611 Fax: (604) 485-6858 Email: sales@aaronservice.com

Delivery	Format	Deliverables
Email - Merge	PDF	COC / Test Report
Email - Merge	PDF	Invoice

Contact	Company	Address
Coranne Anderson	Aaron Service	4703 Marine Avenue Powell River, BC V8A 2L2 Phone: (604) 485-5611 Fax: (604) 485-6858 Email: coranne@aaronservice.com

Delivery	Format	Deliverables
Email	PDF	COA
Email - Merge	PDF	COC / Test Report
Email - Merge	PDF	Invoice

Contact	Company	Address
Ryan Anderson	Aaron Service	4703 Marine Avenue Powell River, BC V8A 2L2 Phone: (604) 485-5611 Fax: (604) 485-6858 Email: ryan@aaronservice.com,ryan.aaronservice@gmail.com

Delivery	Format	Deliverables
Email - Merge	PDF	COC / Test Report

Contact	Company	Address
Trevor Anderson	Aaron Service	4703 Marine Avenue Powell River, BC V8A 2L2 Phone: (604) 485-5611 Fax: (604) 485-6858 Email: trevor@aaronservice.com

Delivery	Format	Deliverables
Email - Merge	PDF	COC / Test Report

Notes To Clients:

- Reduction of analytical volume was necessary for chloride analysis to bring results within the analytical range for lot 1760806. Detection limits are adjusted accordingly.
- Sample 1760806-1; 9504090: The analysis of water sample 1760806-1 is below Maximum Acceptable Concentrations for the chemical and bacteriological health related guidelines specified by the June 2024 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 V8A 2L2	Project ID: Project Name: Savary Shores Improvement Project Location: Savary Island LSD: P.O.: 415376 Proj. Acct. code:	Lot ID: 1760806 Control Number: Date Received: Sep 18, 2024 Date Reported: Sep 24, 2024 Report Number: 3047362 Report Type: Final Report
Attn: Coranne Anderson Sampled By: Janine Reimer Company:		

Reference Number	1760806-1
Sample Date	September 17, 2024
Sample Time	09:44
Sample Location	
Sample Description	Well #1 / 6.9 °C
Sample Matrix	Drinking Water

Analyte	Units	Result	Nominal Detection Limit	Guideline Limit	Guideline Comments
Aggregate Organic Constituents					
UV Transmittance	%/cm	98.6	0.1		
Inorganic Nonmetallic Parameters					
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
Antimony	Extractable	mg/L	<0.00002	0.00002	0.006
Arsenic	Extractable	mg/L	0.0001	0.0001	0.010
Barium	Extractable	mg/L	0.016	0.0001	2.0
Boron	Extractable	mg/L	0.016	0.002	5
Cadmium	Extractable	mg/L	<0.00001	0.00001	0.007
Chromium	Extractable	mg/L	0.00018	0.00005	0.05
Copper	Extractable	mg/L	0.0069	0.0005	1 AO; 2 MAC
Lead	Extractable	mg/L	0.00002	0.00001	0.005
Selenium	Extractable	mg/L	<0.0002	0.0002	0.05
Strontium	Extractable	mg/L	0.15	0.0001	7.0
Uranium	Extractable	mg/L	0.00021	0.00001	0.02
Vanadium	Extractable	mg/L	0.00088	0.00005	
Zinc	Extractable	mg/L	0.0016	0.0005	5.0
Microbiological Analysis					
Total Coliforms	Enzyme Substrate Test	MPN/100 mL	<1.0	1.0	0 per 100 mL
Escherichia coli	Enzyme Substrate Test	MPN/100 mL	<1.0	1.0	0 per 100 mL
Physical and Aggregate Properties					
Colour	True	Colour units	<5	5	
Turbidity		NTU	0.52	0.1	0.1/0.3/1.0 OG
Routine Water					
pH			7.14	0.01	7.0-10.5
pH - Holding Time			Exceeded		Within Range
Temp. of observed pH		°C	24.0		
Electrical Conductivity	at 25 °C	µS/cm	318	1	
Calcium	Extractable	mg/L	17	0.01	
Iron	Extractable	mg/L	0.060	0.004	0.3
Magnesium	Extractable	mg/L	7.3	0.02	
Manganese	Extractable	mg/L	0.004	0.001	0.02 AO; 0.12 MAC
Potassium	Extractable	mg/L	2.0	0.04	
Silicon	Extractable	mg/L	13	0.005	
Sodium	Extractable	mg/L	30	0.1	200

Analytical Report

Bill To: Aaron Service 4703 Marine Avenue Powell River, BC, Canada V8A 2L2	Project ID: Project Name: Savary Shores Improvement Project Location: Savary Island LSD: P.O.: 415376 Proj. Acct. code:	Lot ID: 1760806 Control Number: Date Received: Sep 18, 2024 Date Reported: Sep 24, 2024 Report Number: 3047362 Report Type: Final Report
Attn: Coranne Anderson Sampled By: Janine Reimer Company:		

Reference Number 1760806-1
Sample Date September 17, 2024
Sample Time 09:44
Sample Location
Sample Description Well #1 / 6.9 °C
Sample Matrix Drinking Water

Analyte	Units	Result	Nominal Detection Limit	Guideline Limit	Guideline Comments
Routine Water - Continued					
T-Alkalinity	as CaCO3	mg/L	43	5	
Chloride	Dissolved	mg/L	58.4	0.05	250 Below AO
Fluoride	Dissolved	mg/L	0.02	0.01	1.5 Below MAC
Nitrate - N	Dissolved	mg/L	2.88	0.01	10 Below MAC
Nitrite - N	Dissolved	mg/L	<0.01	0.01	1 Below MAC
Sulfate (SO4)	Dissolved	mg/L	9.2	0.1	500 Below AO
Hardness	as CaCO3 (extractable)	mg/L	73	1	
Total Dissolved Solids	Extractable	mg/L	197	1	500 Below AO

Approved by: 
 Max Hewitt
 Operations Manager

Methodology and Notes

Bill To: Aaron Service 4703 Marine Avenue Powell River, BC, Canada V8A 2L2	Project ID: Project Name: Savary Shores Improvement Project Location: Savary Island	Lot ID: 1760806
Attn: Coranne Anderson	LSD:	Control Number:
Sampled By: Janine Reimer	P.O.: 415376	Date Received: Sep 18, 2024
Company:	Proj. Acct. code:	Date Reported: Sep 24, 2024
		Report Number: 3047362
		Report Type: Final Report

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, 2024	Element Vancouver
Alk, pH, EC, Turb in water (BC)	APHA	* Conductivity, 2510 B	Sep 19, 2024	Element Vancouver
Alk, pH, EC, Turb in water (BC)	APHA	* pH - Electrometric Method, 4500-H+ B	Sep 19, 2024	Element Vancouver
Anions by IEC in water (VAN)	APHA	* Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B	Sep 19, 2024	Element Vancouver
Metals SemiTrace (Extractable) in water (VAN)	US EPA	* Metals & Trace Elements by ICP-AES, 6010C	Sep 19, 2024	Element Vancouver
Tannin and Lignin in water (VAN)	APHA	* Colorimetric Method, 5550 B	Sep 19, 2024	Element Vancouver
Total and E-Coli - Colilert - DW (VAN)	APHA	Enzyme Substrate Test, APHA 9223 B	Sep 18, 2024	Element Vancouver
Trace Metals (extractable) in Water (VAN)	US EPA	* Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8	Sep 19, 2024	Element Vancouver
True Color in water (VAN)	APHA	* Spectrophotometric - Single Wavelength Method, 2120 C	Sep 19, 2024	Element Vancouver
Turbidity - Water (VAN)	APHA	* Turbidity - Nephelometric Method, 2130 B	Sep 19, 2024	Element Vancouver
Ultraviolet Transmittance in Water	APHA	* Ultraviolet Absorption Method, 5910 B	Sep 19, 2024	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, 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:

- Reduction of analytical volume was necessary for chloride analysis to bring results within the analytical range for lot 1760806. Detection limits are adjusted accordingly.
- Sample 1760806-1; 9504090: The analysis of water sample 1760806-1 is below Maximum Acceptable Concentrations for the chemical and bacteriological health related guidelines specified by the June 2024 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 Information

Project ID _____
 Project Name Savary Shores
 Project Location Improve
 Legal Location Savary Island
 PO/AFE# 415376
 Proj. Acct. Code _____
 Quote # _____

Invoice To:
 Company Aaron Service
 Address 4703 Marine Avenue
Powell River, BC V8A 2L2
 Attention Coranne Anderson
 Phone 604-485-5611
 Fax _____
 E-mail coranne@aaronservice.com
 Agreement ID 66993
 Copy of Report _____

Report To:
 Company Aaron Service
 Address 4703 Marine Avenue
Powell River, BC V8A 2L2
 Attention Coranne Anderson
 Phone 604-485-5611
 Cell _____
 Fax _____
 E-mail 1 coranne@aaronservice.com
 E-mail 2 sales@aaronservice.com
 Copy of Invoice _____

Report Results		Regulatory Requirement	
E-Mail	X	HCDWQG	
Mail		Ab Tier 1	
Online		SPIGEC	
Fax		BCCSR	
PDF		Other (list below)	
Excel			
QA/QC			

RUSH Priority

<input type="checkbox"/> Emergency (contact lab for turnaround and pricing)	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.
<input type="checkbox"/> Priority 1-2 working days (100% surcharge)	
<input type="checkbox"/> Urgent 2-3 working days (50% surcharge)	

Date Required _____ Signature _____

Special Instructions/Comments (please include contact information including ph. # if different from above).

CUSTOMER PHONE NUMBER: (604) 414-8448

CUSTOMER EMAIL: administrator@savaryshoreswater.ca

Number of Containers	W99	DW20	T/L	UVT	TOC	M99R (repeat total & e'coli)	M99S (includes HPC)

Sample Custody (please print)

Sampled by: Janine Reimer
 Company: _____
 I authorize Exova to proceed with the work indicated on this form:
 Date: _____ Initial: _____

This section for Lab use

Date/Time stamp: SEP 18 12:20

Site I.D.	Sample description	Depth start end in cm m	Date/Time sampled	Matrix	Sampling method	Enter tests above (√ relevant samples below)							Indicate in the space allotted any deficiencies by the corresponding number.	
1														1. Indicate any samples that were not packaged well
2	<u>Savary Shores. Improvement</u>													2. Indicate any samples not received in Exova supplies
3														3. Indicate any samples that were not clearly labeled
4	<u>Well # 1</u>		<u>Sept 17/24 9:44am</u>			X	X	X	X					4. Indicate any samples not received within the required hold time or temp.
5														5. Indicate any missing or extra samples
6	<u>Well # 2</u>		<u>Sept 17/24 9:57</u>			X	X	X	X					6. Indicate any samples that were received broken
7														7. Indicate any samples where sufficient volume was not received
8														8. Indicate any samples received in an inappropriate container
9														
10														
11														
12														
13														
14														
15														

Environmental Sample Information Sheet

Note: Proper completion of this form is required in order to proceed with analysis

Please indicate any potentially hazardous samples

Page _____ of _____

Control # _____

Lot: 1760806 COC

Aaron Service



Shipping: COD Y/N

and size of coolers

Temp. received: 6.9

Delivery Method: C

Waybill:

Received by: