

Report Transmission Cover Page

Bill To: Aaron Service 4703 Marine Avenue Powell River, BC, Canada V8A 2L2	Project ID: Well Head	Lot ID: 1567843
Attn: Coranne Anderson	Project Name: Savary Shores Improvements	Control Number:
Sampled By: Customer	Project Location: 7785 Vancouver	Date Received: Apr 28, 2022
Company: Savary Shores	LSD: Savary Island Bld	Date Reported: May 4, 2022
	P.O.: 378519	Report Number: 2742388
	Proj. Acct. code:	

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 - Single Report	PDF	Invoice
Email - Single Report	PDF	Test Report

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 - Merge Reports	PDF	COA
Email - Merge Reports	PDF	COC / Test Report
Email - Merge Reports	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 Reports	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 Reports	PDF	Test Report

Notes To Clients:

- May 02, 2022 - Sample 1567843-1; 8026929: Reduction of analytical volume was necessary for chloride analysis to bring results within the analytical range for sample 1567843-1. Detection limits are adjusted accordingly.
- May 04, 2022 - The analysis of water sample 1567835-1 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.

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Analytical Report

Bill To: Aaron Service 4703 Marine Avenue Powell River, BC, Canada V8A 2L2	Project ID: Well Head	Lot ID: 1567843
Attn: Coranne Anderson	Project Name: Savary Shores Improvements	Control Number:
Sampled By: Customer	Project Location: 7785 Vancouver	Date Received: Apr 28, 2022
Company: Savary Shores	LSD: Savary Island Bld	Date Reported: May 4, 2022
	P.O.: 378519	Report Number: 2742388
	Proj. Acct. code:	

Reference Number	1567843-1
Sample Date	April 27, 2022
Sample Time	NA
Sample Location	
Sample Description	2785 Vancouver Blvd / Well Head #1 / 3.5 °C
Sample Matrix	Drinking Water

Analyte	Units	Result	Nominal Detection Limit	Guideline Limit	Guideline Comments
Aggregate Organic Constituents					
UV Transmittance	%/cm	97.7	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	0.015	0.0001	2.0
Boron	Extractable	mg/L	0.018	0.002	5
Cadmium	Extractable	mg/L	<0.00001	0.00001	0.007
Chromium	Extractable	mg/L	0.00012	0.00005	0.05
Copper	Extractable	mg/L	0.016	0.0005	1 AO; 2 MAC
Lead	Extractable	mg/L	<0.00001	0.00001	0.005
Selenium	Extractable	mg/L	<0.0002	0.0002	0.05
Strontium	Extractable	mg/L	0.13	0.0001	7.0
Uranium	Extractable	mg/L	0.00021	0.00001	0.02
Vanadium	Extractable	mg/L	0.0010	0.00005	
Zinc	Extractable	mg/L	0.0018	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	0.10	0.1	0.1/0.3/1.0 OG
Routine Water					
pH - Holding Time			Exceeded		
pH	at 25 °C		7.19	0.01	7.0-10.5
Electrical Conductivity		µS/cm at 25 °C	312	1	
Calcium	Extractable	mg/L	15	0.01	
Iron	Extractable	mg/L	0.008	0.004	0.3
Magnesium	Extractable	mg/L	6.3	0.02	
Manganese	Extractable	mg/L	<0.001	0.001	0.02 AO; 0.12 MAC
Potassium	Extractable	mg/L	1.8	0.04	
Silicon	Extractable	mg/L	13	0.005	
Sodium	Extractable	mg/L	27	0.1	200
T-Alkalinity	as CaCO3	mg/L	45	5	

Analytical Report

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Attn: Coranne Anderson	Project Name: Savary Shores Improvements	Control Number:
Sampled By: Customer	Project Location: 7785 Vancouver	Date Received: Apr 28, 2022
Company: Savary Shores	LSD: Savary Island Bld	Date Reported: May 4, 2022
	P.O.: 378519	Report Number: 2742388
	Proj. Acct. code:	

Reference Number	1567843-1
Sample Date	April 27, 2022
Sample Time	NA
Sample Location	
Sample Description	2785 Vancouver Blvd / Well Head #1 / 3.5 °C
Sample Matrix	Drinking Water

Analyte	Units	Result	Nominal Detection Limit	Guideline Limit	Guideline Comments
Routine Water - Continued					
Chloride	Dissolved mg/L	54.9	0.05	250	Below AO
Fluoride	Dissolved mg/L	0.05	0.01	1.5	Below MAC
Nitrate - N	Dissolved mg/L	2.54	0.01	10	Below MAC
Nitrite - N	Dissolved mg/L	<0.01	0.01	1	Below MAC
Sulfate (SO4)	Dissolved mg/L	8.8	0.1	500	Below AO
Hardness	as CaCO3 (extractable) mg/L	63	1		
Total Dissolved Solids	Extractable mg/L	186	1	500	Below AO

Approved by: 

Max Hewitt
 Operations Manager

Methodology and Notes

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Method of Analysis

Method Name	Reference	Method	Date Analysis Started	Location
Alk, pH, EC, Turb in water (BC)	APHA	* Alkalinity - Titration Method, 2320 B	Apr 29, 2022	Element Vancouver
Alk, pH, EC, Turb in water (BC)	APHA	* Conductivity, 2510 B	Apr 29, 2022	Element Vancouver
Alk, pH, EC, Turb in water (BC)	APHA	* pH - Electrometric Method, 4500-H+ B	Apr 29, 2022	Element Vancouver
Anions by IEC in water (VAN)	APHA	* Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B	Apr 29, 2022	Element Vancouver
Metals SemiTrace (Extractable) in water (VAN)	US EPA	* Metals & Trace Elements by ICP-AES, 6010C	Apr 28, 2022	Element Vancouver
Tannin and Lignin in water (VAN)	APHA	* Colorimetric Method, 5550 B	May 4, 2022	Element Vancouver
Total and E-Coli - Colilert - DW (VAN)	APHA	Enzyme Substrate Test, APHA 9223 B	Apr 28, 2022	Element Vancouver
Trace Metals (extractable) in Water (VAN)	US EPA	* Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8	Apr 28, 2022	Element Vancouver
True Color in water (VAN)	APHA	* Spectrophotometric - Single Wavelength Method, 2120 C	Apr 29, 2022	Element Vancouver
Turbidity - Water (VAN)	APHA	* Turbidity - Nephelometric Method, 2130 B	Apr 29, 2022	Element Vancouver
Ultraviolet Transmittance in Water	APHA	* Ultraviolet Absorption Method, 5910 B	Apr 29, 2022	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, 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:

- May 02, 2022 - Sample 1567843-1; 8026929: Reduction of analytical volume was necessary for chloride analysis to bring results within the analytical range for sample 1567843-1. Detection limits are adjusted accordingly.
- May 04, 2022 - The analysis of water sample 1567835-1 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.



Invoice To:

Company Aaron Service
 Address 4703 Marine Avenue
Powell River, BC V8A 2L2
 Attention Coranne Anderson
 Phone 604-485-5611
 Cell _____
 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			

Project Information

Project ID Savary Shore
 Project Name Improvement
 Project Location 2785 Vancouver
 Legal Location Savary Island Blvd
 PO/AFE# 378519
 Proj. Acct. Code _____
 Quote # _____

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).

Wat. test water potability DWZO W99 UVT T+L

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

Sample Custody (please print)
 Sampled by: Customer
 Company: Savary Shore
 I authorize Exova to proceed with the work indicated on this form:
 Date: _____ Initial: _____
This section for Lab use
 Date/Time stamp: 23 APR '22 12:17

Site I.D.	Sample description	Depth		Date/Time sampled	Matrix	Sampling method	Enter tests above (√ relevant samples below)													
		start	end				W99	DW20	T/L	UVT	TOC	M99R	M99S							
1	2785 Vancouver Blvd			Apr 07																
2																				
3																				
4																				
5																				
6	Well head # 1																			
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				

Indicate in the space allotted any deficiencies by the corresponding number.

1. Indicate any samples that were not packaged well
2. Indicate any samples not received in Exova supplies
3. Indicate any samples that were not clearly labeled
4. Indicate any samples not received within the required hold time or temp.
5. Indicate any missing or extra samples
6. Indicate any samples that were received broken
7. Indicate any samples where sufficient volume was not received
8. Indicate any samples received in an inappropriate container

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: 1567843 COC



Shipping: COD Y/N

and size of coolers

Temp. received: 3.5

Delivery Method: DB

Waybill: _____

Received by: LC