

## Report Transmission Cover Page

|   |  |  |
|---|--|--|
| Bill To: Aaron Service<br>4703 Marine Avenue<br>Powell River, BC, Canada<br>V8A 2L2 | Project ID:<br>Project Name: Savary Shores Improvement<br>Project Location: 2785 Vancouver Blvd<br>LSD: Savary Island<br>P.O.: 378519<br>Proj. Acct. code: | Lot ID: <b>1567844</b><br>Control Number:<br>Date Received: Apr 28, 2022<br>Date Reported: May 4, 2022<br>Report Number: 2742391 |
| Attn: Coranne Anderson<br>Sampled By: Customer<br>Company: Savary Shores            |  |  |

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

| Delivery              | Format | Deliverables |
|-----------------------|--------|--------------|
| Email - Single Report | PDF    | COR          |
| Email - Single Report | PDF    | Invoice      |
| Email - Single Report | PDF    | Test Report  |

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

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

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

| Delivery              | Format | Deliverables      |
|-----------------------|--------|-------------------|
| Email - Merge Reports | PDF    | COC / Test Report |

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

| Delivery              | Format | Deliverables |
|-----------------------|--------|--------------|
| Email - Merge Reports | PDF    | Test Report  |

### Notes To Clients:

- May 02, 2022 - Sample 1567844-1; 8026930: Reduction of analytical volume was necessary for chloride analysis to bring results within the analytical range for sample 1567844-1. Detection limits are adjusted accordingly.
- May 04, 2022 - The analysis of water sample 1567844-1 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<br>4703 Marine Avenue<br>Powell River, BC, Canada<br>V8A 2L2 | Project ID:<br>Project Name: Savary Shores<br>Improvement<br>Project Location: 2785 Vancouver Blvd<br>LSD: Savary Island<br>P.O.: 378519<br>Proj. Acct. code: | Lot ID: <b>1567844</b><br>Control Number:<br>Date Received: Apr 28, 2022<br>Date Reported: May 4, 2022<br>Report Number: 2742391 |
| Attn: Coranne Anderson<br>Sampled By: Customer<br>Company: Savary Shores            |   |  |

|                           |                       |
|---------------------------|-----------------------|
| <b>Reference Number</b>   | 1567844-1             |
| <b>Sample Date</b>        | April 27, 2022        |
| <b>Sample Time</b>        | 09:59                 |
| <b>Sample Location</b>    |                       |
| <b>Sample Description</b> | Well Head #2 / 3.5 °C |
| <b>Sample Matrix</b>      | Drinking Water        |

| Analyte                                  | Units                 | Result         | Nominal Detection Limit | Guideline Limit | Guideline Comments |
|--|-----------------------|----------------|-------------------------|-----------------|--------------------|
| <b>Aggregate Organic Constituents</b>    |                       |                |                         |                 |                    |
| UV Transmittance                         | %/cm                  | 98.1           | 0.1                     |                 |                    |
| <b>Inorganic Nonmetallic Parameters</b>  |                       |                |                         |                 |                    |
| Tannin & Lignin                          | as Tannic Acid        | mg/L           | <0.1                    | 0.1             |                    |
| <b>Metals Extractable</b>                |                       |                |                         |                 |                    |
| 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           | 0.00013                 | 0.00005         | 0.05               |
| Copper                                   | Extractable           | mg/L           | 0.0095                  | 0.0005          | 1 AO; 2 MAC        |
| Lead                                     | Extractable           | mg/L           | 0.00003                 | 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           | 0.0011                  | 0.00005         |                    |
| Zinc                                     | Extractable           | mg/L           | 0.0024                  | 0.0005          | 5.0                |
| <b>Microbiological Analysis</b>          |                       |                |                         |                 |                    |
| 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       |
| <b>Physical and Aggregate Properties</b> |                       |                |                         |                 |                    |
| Colour                                   | True                  | Colour units   | <5                      | 5               |                    |
| Turbidity                                |                       | NTU            | 0.10                    | 0.1             | 0.1/0.3/1.0 OG     |
| <b>Routine Water</b>                     |                       |                |                         |                 |                    |
| pH - Holding Time                        |                       |                | Exceeded                |                 |                    |
| pH                                       | at 25 °C              |                | 7.21                    | 0.01            | 7.0-10.5           |
| Electrical Conductivity                  |                       | µS/cm at 25 °C | 313                     | 1               |                    |
| Calcium                                  | Extractable           | mg/L           | 14                      | 0.01            |                    |
| Iron                                     | Extractable           | mg/L           | 0.009                   | 0.004           | 0.3                |
| Magnesium                                | Extractable           | mg/L           | 6.6                     | 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<br>Sampled By: Customer<br>Company: Savary Shores            |   |  |

**Reference Number** 1567844-1  
**Sample Date** April 27, 2022  
**Sample Time** 09:59  
**Sample Location**  
**Sample Description** Well Head #2 / 3.5 °C  
**Sample Matrix** Drinking Water

| Analyte                          | Units                       | Result | Nominal Detection Limit | Guideline Limit | Guideline Comments |
|----------------------------------|-----------------------------|--------|-------------------------|-----------------|--------------------|
| <b>Routine Water - Continued</b> |                             |        |                         |                 |                    |
| Chloride                         | Dissolved mg/L              | 55.9   | 0.05                    | 250             | Below AO           |
| Fluoride                         | Dissolved mg/L              | 0.05   | 0.01                    | 1.5             | Below MAC          |
| Nitrate - N                      | Dissolved mg/L              | 2.53   | 0.01                    | 10              | Below MAC          |
| Nitrite - N                      | Dissolved mg/L              | <0.01  | 0.01                    | 1               | Below MAC          |
| Sulfate (SO4)                    | Dissolved mg/L              | 9.0    | 0.1                     | 500             | Below AO           |
| Hardness                         | as CaCO3 (extractable) mg/L | 63     | 1                       |                 |                    |
| Total Dissolved Solids           | Extractable mg/L            | 188    | 1                       | 500             | Below AO           |

Approved by:   
 Max Hewitt  
 Operations Manager

## Methodology and Notes

|   |   |  |
|---|---|--|
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| Attn: Coranne Anderson<br>Sampled By: Customer<br>Company: Savary Shores            |   |  |

## 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<br>AO = Aesthetic Objective<br>OG = Operational Guideline for Water Treatment Plants<br>(does not apply to private groundwater wells).<br>Refer to Health Canada for complete guidelines at <a href="http://www.hc-sc.gc.ca">www.hc-sc.gc.ca</a> |

## Comments:

- May 02, 2022 - Sample 1567844-1; 8026930: Reduction of analytical volume was necessary for chloride analysis to bring results within the analytical range for sample 1567844-1. Detection limits are adjusted accordingly.
- May 04, 2022 - The analysis of water sample 1567844-1 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.





**Project Information**

Project ID Savary Shores  
 Project Name Improvement  
 Project Location 2785 Vancouver  
 Legal Location Savary Island Blvd  
 PO/AFE# 378519  
 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  
 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 11er 1              |  |
| Online         |   | SPIGEC                 |  |
| Fax            |   | BCCSR                  |  |
| PDF            |   | Other (list below)     |  |
| Excel          |   |                        |  |
| QA/QC          |   |                        |  |

**Sample Custody (please print)**

Sampled by: CUSTOMER  
 Company: Savary Shores  
 I authorize Exova to proceed with the work indicated on this form:  
 Date: \_\_\_\_\_ Initial: \_\_\_\_\_  
**This section for Lab use**  
 Date/Time stamp: 22 APR '22 12:15

**RUSH Priority**

**Emergency (contact lab for turnaround and pricing)**

**Priority 1-2 working days (100% surcharge)**

**Urgent 2-3 working days (50% 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.

Date Required \_\_\_\_\_

Signature \_\_\_\_\_

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

Wat. test water potability DW20 W99 UVT TL

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

| Site I.D. | Sample description         | Depth start end in cm m |  | Date/Time sampled | Matrix | Sampling method | Enter tests above (√ relevant samples below) |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------|----------------------------|-------------------------|--|-------------------|--------|-----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|           |                            |                         |  |                   |        |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1         | <u>2785 Vancouver Blvd</u> |                         |  | <u>April 27</u>   |        |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2         |                            |                         |  | <u>9:59</u>       |        |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3         |                            |                         |  |                   |        |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4         | <u>Well head #2</u>        |                         |  |                   |        |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5         |                            |                         |  |                   |        |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6         |                            |                         |  |                   |        |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 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: 1567844 COC



Shipping: COD Y/N

# and size of coolers

Temp. received: 3.5°C

Delivery Method: Drop Box

Waybill:

Received by: LC