

## Report Transmission Cover Page

Bill To: Aaron Service 4703 Marine Avenue Powell River, BC, Canada V8A 2L2	Project ID: Project Name: SSID Project Location: Savary Isl. LSD: Well # 1 P.O.:	Lot ID: <b>1600625</b> Control Number: Date Received: Sep 21, 2022 Date Reported: Sep 27, 2022 Report Number: 2789727
Attn: Coranne Anderson Sampled By: Company:	Proj. Acct. code:	

Contact	Company	Address
<b>Accounts Payable</b>	<b>Aaron Service</b>	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 Deliverable	PDF	COR
Email - Single Deliverable	PDF	Invoice
Email - Single Deliverable	PDF	Test Report

Contact	Company	Address
<b>Coranne Anderson</b>	<b>Aaron Service</b>	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 Deliverables	PDF	COA
Email - Merge Deliverables	PDF	COC / Test Report
Email - Merge Deliverables	PDF	COR
Email - Merge Deliverables	PDF	Invoice

Contact	Company	Address
<b>Ryan Anderson</b>	<b>Aaron Service</b>	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 Deliverables	PDF	COC / Test Report

Contact	Company	Address
<b>Trevor Anderson</b>	<b>Aaron Service</b>	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 Deliverables	PDF	Test Report

### Notes To Clients:

- Sep 23, 2022 - Sample 1600625-1; 8270188: Reduction of analytical volume was necessary for chloride analysis to bring results within the analytical range for sample 1600625-1. Detection limits are adjusted accordingly.
- Sep 27, 2022 - The analysis of water sample 1600625-1 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: Project Name: SSID Project Location: Savary Isl. LSD: Well # 1 P.O.:	Lot ID: <b>1600625</b> Control Number: Date Received: Sep 21, 2022 Date Reported: Sep 27, 2022 Report Number: 2789727
Attn: Coranne Anderson	Proj. Acct. code:	
Sampled By:		
Company:		

<b>Reference Number</b>	1600625-1
<b>Sample Date</b>	September 20, 2022
<b>Sample Time</b>	09:35
<b>Sample Location</b>	
<b>Sample Description</b>	Well # 1 / SSID Savary Island / 6.0 °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	>100	0.1		
<b>Inorganic Nonmetallic Parameters</b>					
Tannin & Lignin	as Tannic Acid	mg/L	<0.1	0.1	
<b>Metals Extractable</b>					
Silicon	Extractable	mg/L	13.0	0.05	
Aluminum	Extractable	mg/L	<0.002	0.002	0.1 OG; 2.9 MAC
Antimony	Extractable	mg/L	<0.0002	0.0002	0.006
Arsenic	Extractable	mg/L	<0.0002	0.0002	0.01
Barium	Extractable	mg/L	0.016	0.001	2.0
Boron	Extractable	mg/L	0.014	0.002	5
Cadmium	Extractable	mg/L	<0.00001	0.00001	0.007
Chromium	Extractable	mg/L	<0.0005	0.0005	0.05
Copper	Extractable	mg/L	0.013	0.001	1 AO; 2 MAC
Lead	Extractable	mg/L	<0.0001	0.0001	0.005
Selenium	Extractable	mg/L	<0.0002	0.0002	0.05
Strontium	Extractable	mg/L	0.157	0.001	7.0
Uranium	Extractable	mg/L	<0.0005	0.0005	0.02
Vanadium	Extractable	mg/L	0.0015	0.0001	
Zinc	Extractable	mg/L	0.002	0.001	5
<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>					
Calcium	Extractable	mg/L	15.6	0.2	
Magnesium	Extractable	mg/L	6.6	0.2	
Sodium	Extractable	mg/L	30.0	0.4	200
Potassium	Extractable	mg/L	2.0	0.4	
Iron	Extractable	mg/L	<0.01	0.01	0.3
Manganese	Extractable	mg/L	<0.005	0.005	0.02 AO; 0.12 MAC
pH - Holding Time			Exceeded		
Hardness	as CaCO3	mg/L	66		
pH	at 25 °C		6.97	0.01	7.0-10.5
Electrical Conductivity		µS/cm at 25 °C	326	1	
T-Alkalinity	as CaCO3	mg/L	43	5	

**Analytical Report**

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Attn: Coranne Anderson	Proj. Acct. code:	
Sampled By:		
Company:		

<b>Reference Number</b>	1600625-1
<b>Sample Date</b>	September 20, 2022
<b>Sample Time</b>	09:35
<b>Sample Location</b>	
<b>Sample Description</b>	Well # 1 / SSID Savary Island / 6.0 °C
<b>Sample Matrix</b>	Drinking Water

Analyte	Units	Result	Nominal Detection Limit	Guideline Limit	Guideline Comments	
<b>Routine Water - Continued</b>						
Chloride	Dissolved	mg/L	50.8	0.05	250	Below AO
Fluoride	Dissolved	mg/L	0.03	0.01	1.5	Below MAC
Nitrate - N	Dissolved	mg/L	2.51	0.01	10	Below MAC
Nitrite - N	Dissolved	mg/L	<0.01	0.01	1	Below MAC
Sulfate (SO4)	Dissolved	mg/L	9.4	0.1	500	Below AO
Total Dissolved Solids	Calculated	mg/L	187	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	Sep 21, 2022	Element Vancouver
Alk, pH, EC, Turb in water (BC)	APHA	* Conductivity, 2510 B	Sep 21, 2022	Element Vancouver
Alk, pH, EC, Turb in water (BC)	APHA	* pH - Electrometric Method, 4500-H+ B	Sep 21, 2022	Element Vancouver
Anions by IEC in water (VAN)	APHA	* Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B	Sep 22, 2022	Element Vancouver
Metals ICP-MS (Extractable) in water	APHA/USEPA	* Metals By Inductively Coupled Plasma/Mass Spectrometry, APHA 3125 B / USEPA 200.2, 200.8	Sep 26, 2022	Element Edmonton - Roper Road
Metals ICP-MS (Extractable) in water	US EPA	* Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8	Sep 26, 2022	Element Edmonton - Roper Road
Metals Trace (Extractable) in water	APHA	Hardness by Calculation, 2340 B	Sep 26, 2022	Element Edmonton - Roper Road
Metals Trace (Extractable) in water	APHA	* Inductively Coupled Plasma (ICP) Method, 3120 B	Sep 26, 2022	Element Edmonton - Roper Road
Tannin and Lignin in water (VAN)	APHA	* Colorimetric Method, 5550 B	Sep 27, 2022	Element Vancouver
Total and E-Coli - Colilert - DW (VAN)	APHA	Enzyme Substrate Test, APHA 9223 B	Sep 21, 2022	Element Vancouver
True Color in water (VAN)	APHA	* Spectrophotometric - Single Wavelength Method, 2120 C	Sep 21, 2022	Element Vancouver
Turbidity - Water (VAN)	APHA	* Turbidity - Nephelometric Method, 2130 B	Sep 22, 2022	Element Vancouver
Ultraviolet Transmittance in Water	APHA	* Ultraviolet Absorption Method, 5910 B	Sep 23, 2022	Element Vancouver

\* Reference Method Modified

## References

APHA	Standard Methods for the Examination of Water and Wastewater
APHA/USEPA	Standard Methods For Water/ Environmental Protection Agency
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 <a href="http://www.hc-sc.gc.ca">www.hc-sc.gc.ca</a>

## Comments:

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**Methodology and Notes**

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4703 Marine Avenue	Project Name: SSID	Control Number:
Powell River, BC, Canada	Project Location: Savary Isl.	Date Received: Sep 21, 2022
V8A 2L2	LSD: Well # 1	Date Reported: Sep 27, 2022
Attn: Coranne Anderson	P.O.:	Report Number: 2789727
Sampled By:	Proj. Acct. code:	
Company:		

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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.

<b>Invoice To:</b>		<b>Report To:</b>		<b>Report Results</b>		<b>Regulatory Requirement</b>	
Company	Aaron Service	Company	Aaron Service	E-Mail	X	HCDWQG	
Address	4703 Marine Avenue Powell River, BC V8A 2L2	Address	4703 Marine Avenue Powell River, BC V8A 2L2	Mail		Ab Tier 1	
Attention	Coranne Anderson	Attention	Coranne Anderson	Online		SPIGEC	
Phone	604-485-5611	Phone	604-485-5611	Fax		BCCSR	
Cell		Cell		PDF		Other (list below)	
Fax		Fax		Excel			
E-mail	coranne@aaronservice.com	E-mail 1	coranne@aaronservice.com	QA/QC			
Agreement ID	66993	E-mail 2	trevor@aaronservice.com	<b>Sample Custody (please print)</b>			
Copy of Report		Copy of Invoice		Sampled by:			

**Project Information**

Project ID \_\_\_\_\_

Project Name SSID

Project Location SAVARY TEL

Legal Location WELL # 1

PO/AFE# \_\_\_\_\_

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).

*WATTEST POTABILITY DW20 W99 UVT T+L*

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

I authorize Exova to proceed with the work indicated on this form:

Date: \_\_\_\_\_ Initial: \_\_\_\_\_

**This section for Lab use**

Date/Time stamp: **SEP 21 12:22**

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	WELL #1 SSID SAVARY TEL		9.35											1. Indicate any samples that were not packaged well
2			Sept 20/22											2. Indicate any samples not received in Exova supplies
3														3. Indicate any samples that were not clearly labeled
4														4. Indicate any samples not received within the required hold time or temp.
5														5. Indicate any missing or extra samples
6														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: 1600625 C0C



Shipping: COD Y/N

# and size of coolers

Temp. received: 6.0 Delivery Method: Cooler

Waybill: \_\_\_\_\_

Received by: Exova IC