

2017 - Sept - Well #1

Analytical Report

Bill To: Aaron Service 4703 Marine Avenue Powell River, BC, Canada V8A 2L2 Attn: Coranne Anderson	Project ID: Savary Project Name: Savary Shores Project Location: Improvement LSD: 2785 Van Blvd. P.O.: 314121 Proj. Acct. code:	Lot ID: 1227674 Control Number: C0080036 Date Received: Sep 20, 2017 Date Reported: Sep 26, 2017 Report Number: 2223689
Sampled By: Courtney Company: Savary Shores		

Reference Number	1227674-1
Sample Date	September 19, 2017
Sample Time	08:39
Sample Location	
Sample Description	SSID Well # 1 / 6.9 °C
Sample Matrix	Drinking Water

Analyte	Units	Result	Nominal Detection Limit	Guideline Limit	Guideline Comments	
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	Below OG
Antimony	Extractable	mg/L	0.00130	0.00002	0.006	Below MAC
Arsenic	Extractable	mg/L	0.0001	0.0001	0.010	Below MAC
Barium	Extractable	mg/L	0.0077	0.0001	1	Below MAC
Boron	Extractable	mg/L	0.016	0.002	5	Below MAC
Cadmium	Extractable	mg/L	<0.00001	0.00001	0.005	Below MAC
Chromium	Extractable	mg/L	0.00021	0.00005	0.05	Below MAC
Copper	Extractable	mg/L	0.0007	0.0005	1.0	Below AO
Lead	Extractable	mg/L	0.00005	0.00001	0.01	Below MAC
Selenium	Extractable	mg/L	<0.0002	0.0002	0.05	Below MAC
Uranium	Extractable	mg/L	0.00033	0.00001	0.02	Below MAC
Vanadium	Extractable	mg/L	0.00138	0.00005		
Zinc	Extractable	mg/L	0.0093	0.0005	5.0	Below AO
Microbiological Analysis						
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
Heterotrophic Count - Aerobic	SimPlate	MPN/mL	<2.0	2		
Physical and Aggregate Properties						
Colour	True	Colour units	<5	5		
Turbidity		NTU	2.0	0.05		
Routine Water						
pH - Holding Time			Exceeded			
pH	at 25 °C		7.05		7.0-10.5	Within Range
Electrical Conductivity		µS/cm at 25 °C	241	1		
Calcium	Extractable	mg/L	17	0.01		
Iron	Extractable	mg/L	0.24	0.004	0.3	Below AO
Magnesium	Extractable	mg/L	6.4	0.02		
Manganese	Extractable	mg/L	0.0098	0.001	0.05	Below AO
Potassium	Extractable	mg/L	2.0	0.04		
Silicon	Extractable	mg/L	13	0.005		
Sodium	Extractable	mg/L	20	0.1	200	Below AO
T-Alkalinity	as CaCO3	mg/L	44	5		
Chloride	Dissolved	mg/L	35.3	0.05	250	Below AO
Fluoride	Dissolved	mg/L	0.05	0.01	1.5	Below MAC
Nitrate - N	Dissolved	mg/L	5.14	0.01	10	Below MAC

Analytical Report

Bill To: Aaron Service 4703 Marine Avenue Powell River, BC, Canada V8A 2L2 Attn: Coranne Anderson Sampled By: Courtney Company: Savary Shores	Project ID: Savary Project Name: Savary Shores Project Location: Improvement LSD: 2785 Van Blvd. P.O.: 314121 Proj. Acct. code:	Lot ID: 1227674 Control Number: C0080036 Date Received: Sep 20, 2017 Date Reported: Sep 26, 2017 Report Number: 2223689
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Reference Number	1227674-1
Sample Date	September 19, 2017
Sample Time	08:39
Sample Location	
Sample Description	SSID Well # 1 / 6.9 °C
Sample Matrix	Drinking Water

Analyte		Units	Result	Nominal Detection Limit	Guideline Limit	Guideline Comments
Routine Water - Continued						
Nitrite - N	Dissolved	mg/L	<0.01	0.01	1	Below MAC
Sulfate (SO ₄)	Dissolved	mg/L	3.6	0.1	500	Below AO
Hardness	as CaCO ₃ (extractable)	mg/L	68	1		
Total Dissolved Solids	Extractable	mg/L	168	1		

Approved by:



Carol Nam, Dipl. T.
Quality Officer

Data have been validated by Analytical Quality Control and Exova's Integrated Data Validation System (IDVS).

Generation and distribution of the report, and approval by the digitized signature above, are performed through a secure and controlled automatic process.

2017 - Sept - Well #2

Report Transmission Cover Page

Bill To: Aaron Service 4703 Marine Avenue Powell River, BC, Canada V8A 2L2	Project ID: Savary Project Name: Savary Shores Project Location: Improvement LSD: 2785 Van Blvd. P.O.:	Lot ID: 1227681 Control Number: C0080037 Date Received: Sep 20, 2017 Date Reported: Sep 26, 2017 Report Number: 2223696
Attn: Coranne Anderson Sampled By: Courtney Company: Savary Shores	Proj. Acct. code:	

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	COR
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

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:

- The analysis of water sample 1227681-1 is below Maximum Acceptable Concentrations for the chemical and bacteriological health related guidelines specified by the February 2017 Guidelines for Canadian Drinking Water Quality for the parameters tested.
- Sample 1227681-1; 5844276 Reduction of analytical volume was necessary for nitrate due to matrix effects in sample 1227681-1. Detection limits are adjusted accordingly.
- Sample 1227681-1; 5844276 Reduction of analytical volume was necessary for chloride to bring results within the analytical range for sample 1227681-1. Detection limits are adjusted accordingly.

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Analytical Report

Bill To: Aaron Service 4703 Marine Avenue Powell River, BC, Canada V8A 2L2 Attn: Coranne Anderson	Project ID: Savary Project Name: Savary Shores Project Location: Improvement LSD: 2785 Van Blvd. P.O.:	Lot ID: 1227681 Control Number: C0080037 Date Received: Sep 20, 2017 Date Reported: Sep 26, 2017 Report Number: 2223696
Sampled By: Courtney Company: Savary Shores	Proj. Acct. code:	

Reference Number	1227681-1
Sample Date	September 19, 2017
Sample Time	08:46
Sample Location	
Sample Description	SSID Well # 2 / 6.9 °C
Sample Matrix	Drinking Water

Analyte	Units	Result	Nominal Detection Limit	Guideline Limit	Guideline Comments	
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	Below OG
Antimony	Extractable	mg/L	0.00032	0.00002	0.006	Below MAC
Arsenic	Extractable	mg/L	0.0001	0.0001	0.010	Below MAC
Barium	Extractable	mg/L	0.0158	0.0001	1	Below MAC
Boron	Extractable	mg/L	0.016	0.002	5	Below MAC
Cadmium	Extractable	mg/L	<0.00001	0.00001	0.005	Below MAC
Chromium	Extractable	mg/L	0.00019	0.00005	0.05	Below MAC
Copper	Extractable	mg/L	0.0007	0.0005	1.0	Below AO
Lead	Extractable	mg/L	0.00003	0.00001	0.01	Below MAC
Selenium	Extractable	mg/L	<0.0002	0.0002	0.05	Below MAC
Uranium	Extractable	mg/L	0.00023	0.00001	0.02	Below MAC
Vanadium	Extractable	mg/L	0.00152	0.00005		
Zinc	Extractable	mg/L	0.0036	0.0005	5.0	Below AO
Microbiological Analysis						
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
Heterotrophic Count - Aerobic	SimPlate	MPN/mL	<2.0	2		
Physical and Aggregate Properties						
Colour	True	Colour units	<5	5		
Turbidity		NTU	0.22	0.05		
Routine Water						
pH - Holding Time			Exceeded			
pH	at 25 °C		7.16		7.0-10.5	Within Range
Electrical Conductivity		µS/cm at 25 °C	278	1		
Calcium	Extractable	mg/L	15	0.01		
Iron	Extractable	mg/L	0.006	0.004	0.3	Below AO
Magnesium	Extractable	mg/L	6.0	0.02		
Manganese	Extractable	mg/L	<0.001	0.001	0.05	Below AO
Potassium	Extractable	mg/L	2.0	0.04		
Silicon	Extractable	mg/L	13	0.005		
Sodium	Extractable	mg/L	31	0.1	200	Below AO
T-Alkalinity	as CaCO3	mg/L	49	5		
Chloride	Dissolved	mg/L	46.8	0.05	250	Below AO
Fluoride	Dissolved	mg/L	0.07	0.01	1.5	Below MAC
Nitrate - N	Dissolved	mg/L	2.6	0.01	10	Below MAC

Analytical Report

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Reference Number	1227681-1
Sample Date	September 19, 2017
Sample Time	08:46
Sample Location	
Sample Description	SSID Well # 2 / 6.9 °C
Sample Matrix	Drinking Water

Analyte		Units	Result	Nominal Detection Limit	Guideline Limit	Guideline Comments
Routine Water - Continued						
Nitrite - N	Dissolved	mg/L	<0.01	0.01	1	Below MAC
Sulfate (SO ₄)	Dissolved	mg/L	9.3	0.1	500	Below AO
Hardness	as CaCO ₃ (extractable)	mg/L	61	1		
Total Dissolved Solids	Extractable	mg/L	187	1		

Approved by:



Carol Nam, Dipl. T.
Quality Officer

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