

Report Transmission Cover Page

Bill To: Van Anda Improvement District	Project ID:	Lot ID: 1240979
Box 115	Project Name:	Control Number:
2036 Marble Bay Road	Project Location:	Date Received: Nov 23, 2017
Van Anda, BC, Canada	LSD:	Date Reported: Dec 1, 2017
VON 3K0	P.O.:	Report Number: 2245692
Attn: Linn Johnson	Proj. Acct. code:	
Sampled By: Ken Soles		
Company: VAID		

Contact	Company	Address
Ken Soles	Van Anda Improvement District	Box 68, 201 Sturt Bay Road Van Anda, BC VON 3K0 Phone: (604) 486-0274 Fax: Email: kenwsoles@gmail.com

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

Contact	Company	Address
Linn Johnson	Van Anda Improvement District	Box 115, 2036 Marble Bay Road Van Anda, BC VON 3K0 Phone: (604) 414-3508 Fax: Email: contact@vananda-id.ca

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

Notes To Clients:

- Nov 28, 2017 - Reduction of analytical volume was necessary for metals analysis due to matrix effects in sample. Detection limits are adjusted accordingly.

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Analytical Report

Bill To: Van Anda Improvement District
 Box 115
 2036 Marble Bay Road
 Van Anda, BC, Canada
 VON 3K0
 Attn: Linn Johnson
 Sampled By: Ken Soles
 Company: VAID

Project ID:
 Project Name:
 Project Location:
 LSD:
 P.O.:
 Proj. Acct. code:

Lot ID: **1240979**
 Control Number:
 Date Received: Nov 23, 2017
 Date Reported: Dec 1, 2017
 Report Number: 2245692

Reference Number 1240979-1
Sample Date Nov 20, 2017
Sample Time 14:20
Sample Location
Sample Description Lake
Matrix Water

Analyte	Units	Results	Results	Results	Nominal Detection Limit
Metals Total					
Calcium	Total	mg/L	44		0.01
Magnesium	Total	mg/L	2.7		0.02
Potassium	Total	mg/L	0.37		0.04
Silicon	Total	mg/L	2.6		0.005
Sulfur	Total	mg/L	14		0.02
Sodium	Total	mg/L	3.2		0.1
Titanium	Total	mg/L	0.004		0.002
Trace Metals Total					
Aluminum	Total	mg/L	0.011		0.001
Antimony	Total	mg/L	0.0016		0.00002
Arsenic	Total	mg/L	0.0016		0.0001
Barium	Total	mg/L	0.0077		0.0001
Beryllium	Total	mg/L	<0.00005		0.00005
Bismuth	Total	mg/L	<0.0001		0.0001
Boron	Total	mg/L	0.008		0.002
Cadmium	Total	mg/L	<0.00001		0.00001
Chromium	Total	mg/L	<0.00005		0.00005
Cobalt	Total	mg/L	0.00002		0.00002
Copper	Total	mg/L	0.0026		0.0002
Iron	Total	mg/L	0.032		0.002
Lead	Total	mg/L	0.00025		0.00001
Lithium	Total	mg/L	0.0009		0.0005
Manganese	Total	mg/L	0.013		0.001
Molybdenum	Total	mg/L	0.010		0.00002
Nickel	Total	mg/L	0.0003		0.0002
Selenium	Total	mg/L	0.0006		0.0002
Silver	Total	mg/L	0.00001		0.00001
Strontium	Total	mg/L	0.21		0.0001
Tellurium	Total	mg/L	<0.00005		0.00005
Thallium	Total	mg/L	<0.00001		0.00001
Thorium	Total	mg/L	<0.00005		0.00005
Tin	Total	mg/L	<0.0001		0.0001
Uranium	Total	mg/L	0.0083		0.00001
Vanadium	Total	mg/L	0.00089		0.00005
Zinc	Total	mg/L	0.0074		0.0005
Zirconium	Total	mg/L	0.0001		0.0001

Analytical Report

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 V0N 3K0
 Attn: Linn Johnson
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 Company: VAID

Project ID:
 Project Name:
 Project Location:
 LSD:
 P.O.:
 Proj. Acct. code:

Lot ID: **1240979**
 Control Number:
 Date Received: Nov 23, 2017
 Date Reported: Dec 1, 2017
 Report Number: 2245692

	Reference Number	1240979-2	1240979-3		
	Sample Date	Nov 20, 2017	Nov 20, 2017		
	Sample Time	14:25	14:35		
	Sample Location				
	Sample Description	Tank Inlet	Tank Outlet		
	Matrix	Water	Water		
Analyte	Units	Results	Results	Results	Nominal Detection Limit
Trihalomethanes Screen - Water					
Chloroform	mg/L	0.031	0.097		0.001
Bromodichloromethane	mg/L	<0.001	0.005		0.001
Dibromochloromethane	mg/L	<0.001	<0.001		0.001
Bromoform	mg/L	<0.001	<0.001		0.001
Total Trihalomethanes	mg/L	0.031	0.102		0.001
Trihalomethanes - Surrogate Recovery					
Dibromofluoromethane	EPA Surrogate %	113	116		50-140
Toluene-d8	EPA Surrogate %	100	105		50-140
Bromofluorobenzene	EPA Surrogate %	96	90		50-140

Approved by: 
 Mathieu Simoneau
 Operations Manager

Methodology and Notes

Bill To: Van Anda Improvement District Box 115 2036 Marble Bay Road Van Anda, BC, Canada VON 3K0 Attn: Linn Johnson	Project ID: Project Name: Project Location: LSD: P.O.: Proj. Acct. code:	Lot ID: 1240979 Control Number: Date Received: Nov 23, 2017 Date Reported: Dec 1, 2017 Report Number: 2245692
Sampled By: Ken Soles Company: VAID		

Method of Analysis

Method Name	Reference	Method	Date Analysis Started	Location
Metals SemiTrace (Total) in Water (Surrey)	US EPA	* Metals & Trace Elements by ICP-AES, 6010C	Nov 27, 2017	Exova Surrey
THM - Water	US EPA	* US EPA method, 8260B/5035	Nov 24, 2017	Exova Calgary
Trace Metals (Total) in Water (Surrey)	US EPA	* Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8	Nov 27, 2017	Exova Surrey

** Reference Method Modified*

References

US EPA US Environmental Protection Agency Test Methods

Comments:

- Nov 28, 2017 - Reduction of analytical volume was necessary for metals analysis due to matrix effects in sample. Detection limits are adjusted accordingly.

Please direct any inquiries regarding this report to our Client Services Group or to the Operations Manager at the coordinates indicated at the top left of this page.

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: VANANDA IMPROVEMENT DISTRICT
 Address: BOX 115 VANANDA B.C.
VON 3KO
 Attention: LIAN JOHNSON
 Phone: _____
 Cell: 604-414-3508
 Fax: _____
 E-mail: contact@vananda-id.ca
 Agreement ID: _____
 Copy of report: _____

Report To:

Company: VANANDA IMPROVEMENT DISTRICT
 Address: BOX 115 VANANDA B.C.
VON 3KO
 Attention: LIAN JOHNSON
 Phone: _____
 Cell: 604-414-3508
 Fax: _____
 E-mail 1: contact@vananda-id.ca
 E-mail 2: kenwsales@gmail.com
 Copy of invoice: _____

Report Results

E-Mail	<input checked="" type="checkbox"/>	HCDWQG
Mail		Ab Tier 1
Online		SPIGEC
Fax		BCCSR
PDF		Other (list below)
Excel		
QA/QC		

Regulatory Requirement

Project Information

Project ID: _____
 Project Name: _____
 Project Location: _____
 Legal Location: _____
 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).

Number of Containers

TOTAL METALS
THM
THM

Sample Custody (please print)

Sampled by: KIEN SOLES

Company: VAID

This section for Lab use only

Date/Time stamp:

RECEIVED
NOV 22 2017

Site I.D.	Sample Description	Depth		Date/Time Sampled	Matrix	Sampling Method	Enter tests above (✓ relevant samples below)													
		start in	end m				1	2	3	4	5	6	7	8	9	10				
1	LAKE TOTAL METALS			NOV 20 17 2:20 PM			1	1												
2	TANK INLET THM			NOV 20 17 2:25 PM			3	3												
3	TANK OUTLET THM			NOV 20 17 2:35 PM																
4																				
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

Submission of this form acknowledges acceptance of Exova's Standard Terms and Conditions (<http://www.exova.com/about/terms-and-conditions/>)

Please indicate any potentially hazardous samples

Lot: 1240979 COC



Shipping: COD Y/ N

and size of coolers

Temp. received:

Received by: JIC

Delivery Method:

Waybill: