

Report Transmission Cover Page

Bill To: Van Anda Improvement District
Box 115
2036 Marble Bay Road
Van Anda, BC, Canada
V0N 3K0
Attn: Lin Johnson
Sampled By: Ken Soles
Company: Van Anda

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

Lot ID: **1199969**
Control Number: C0031314
Date Received: May 3, 2017
Date Reported: May 10, 2017
Report Number: 2186984

| Contact & Affiliation | Address | Delivery Commitments |
|--|---|---|
| Bob Timms Van Anda Improvement District | 201 Sturt Bay Road, Box 68 Van Anda, British Columbia V0N 3K0 Phone: (604) 486-0274 Fax: null Email: bobtimms@twincomm.ca | On [Lot Verification] send (COA) by Email - Single Report On [Report Approval] send (Test Report, COC) by Email - Merge Reports |
| Lin Johnson Van Anda Improvement District | 2036 Marble Bay Road, Box 115 Van Anda, British Columbia V0N 3K0 Phone: (604) 414-3508 Fax: null Email: contact@vananda-id.ca | On [Lot Verification] send (COA) by Email - Single Report On [Report Approval] send (Test Report, COC) by Email - Merge Reports On [Lot Approval and Final Test Report Approval] send (Invoice) by Email - Single Report |

Notes To Clients:

The information contained on this and all other pages transmitted, is intended for the addressee only and is considered confidential. If the reader is not the intended recipient, you are hereby notified that any use, dissemination, distribution or copy of this transmission is strictly prohibited. If you receive this transmission by error, or if this transmission is not satisfactory, please notify us by telephone.



Analytical Report

Bill To: Van Anda Improvement District Project:
 Box 115 ID:
 2036 Marble Bay Road Name:
 Van Anda, BC, Canada Location:
 VON 3K0 LSD:
 Attn: Lin Johnson P.O.:
 Sampled By: Ken Soles Acct code:
 Company: Van Anda

Lot ID: **1199969**
 Control Number: C0031314
 Date Received: May 3, 2017
 Date Reported: May 10, 2017
 Report Number: 2186984

Reference Number 1199969-1
Sample Date May 01, 2017
Sample Time 15:00
Sample Location
Sample Description Intake / Total Metals
 / 10.8 °C

Matrix Water

| Analyte | Units | Results | Results | Results | Nominal Detection Limit |
|---------------------------|-------|---------|-----------|---------|-------------------------|
| Metals Total | | | | | |
| Calcium | Total | mg/L | 37 | | 0.01 |
| Magnesium | Total | mg/L | 2.3 | | 0.02 |
| Potassium | Total | mg/L | 0.29 | | 0.04 |
| Silicon | Total | mg/L | 2.8 | | 0.005 |
| Sulfur | Total | mg/L | 9.3 | | 0.02 |
| Sodium | Total | mg/L | 2.8 | | 0.1 |
| Titanium | Total | mg/L | 0.008 | | 0.002 |
| Trace Metals Total | | | | | |
| Aluminum | Total | mg/L | 0.034 | | 0.001 |
| Antimony | Total | mg/L | 0.0014 | | 0.00002 |
| Arsenic | Total | mg/L | 0.0015 | | 0.0001 |
| Barium | Total | mg/L | 0.0055 | | 0.0001 |
| Beryllium | Total | mg/L | <0.000050 | | 0.00005 |
| Bismuth | Total | mg/L | <0.0001 | | 0.0001 |
| Boron | Total | mg/L | 0.004 | | 0.002 |
| Cadmium | Total | mg/L | <0.000010 | | 0.00001 |
| Chromium | Total | mg/L | <0.000050 | | 0.00005 |
| Cobalt | Total | mg/L | 0.000030 | | 0.00002 |
| Copper | Total | mg/L | 0.0030 | | 0.0002 |
| Iron | Total | mg/L | 0.050 | | 0.002 |
| Lead | Total | mg/L | 0.00017 | | 0.00001 |
| Lithium | Total | mg/L | 0.0007 | | 0.0005 |
| Manganese | Total | mg/L | 0.007 | | 0.001 |
| Molybdenum | Total | mg/L | 0.0088 | | 0.00002 |
| Nickel | Total | mg/L | <0.0002 | | 0.0002 |
| Selenium | Total | mg/L | 0.0006 | | 0.0002 |
| Silver | Total | mg/L | <0.000010 | | 0.00001 |
| Strontium | Total | mg/L | 0.14 | | 0.0001 |
| Tellurium | Total | mg/L | <0.000050 | | 0.00005 |
| Thallium | Total | mg/L | 0.000014 | | 0.00001 |
| Thorium | Total | mg/L | 0.00011 | | 0.00005 |
| Tin | Total | mg/L | <0.0001 | | 0.0001 |
| Uranium | Total | mg/L | 0.0078 | | 0.00001 |
| Vanadium | Total | mg/L | 0.0012 | | 0.00005 |
| Zinc | Total | mg/L | 0.0067 | | 0.0005 |

Analytical Report

Bill To: Van Anda Improvement District
Box 115
2036 Marble Bay Road
Van Anda, BC, Canada
V0N 3K0
Attn: Lin Johnson
Sampled By: Ken Soles
Company: Van Anda

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

Lot ID: **1199969**
Control Number: C0031314
Date Received: May 3, 2017
Date Reported: May 10, 2017
Report Number: 2186984

Reference Number 1199969-1
Sample Date May 01, 2017
Sample Time 15:00
Sample Location
Sample Description Intake / Total Metals
/ 10.8 °C
Matrix Water

| Analyte | Units | Results | Results | Results | Nominal Detection Limit |
|---------------------------------------|-------|---------|---------|---------|-------------------------|
| Trace Metals Total - Continued | | | | | |
| Zirconium | Total | mg/L | 0.0002 | | 0.0001 |

Analytical Report

Bill To: Van Anda Improvement District
 Box 115
 2036 Marble Bay Road
 Van Anda, BC, Canada
 V0N 3K0
 Attn: Lin Johnson
 Sampled By: Ken Soles
 Company: Van Anda

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

Lot ID: **1199969**
 Control Number: C0031314
 Date Received: May 3, 2017
 Date Reported: May 10, 2017
 Report Number: 2186984

| | Reference Number | 1199969-2 | 1199969-3 | | |
|---|--------------------|-------------------------------|--------------------------------|---------|-------------------------|
| | Sample Date | May 01, 2017 | May 01, 2017 | | |
| | Sample Time | 15:15 | 15:20 | | |
| | Sample Location | | | | |
| | Sample Description | Tank Inlet / THM / 10.8 °C | Tank Outlet / THM / 10.8 °C | | |
| | Matrix | Water | Water | | |
| Analyte | Units | Results | Results | Results | Nominal Detection Limit |
| Trihalomethanes Screen - Water | | | | | |
| Chloroform | mg/L | 0.037 | 0.122 | | 0.001 |
| Bromodichloromethane | mg/L | <0.001 | 0.003 | | 0.001 |
| Dibromochloromethane | mg/L | <0.001 | <0.001 | | 0.001 |
| Bromoform | mg/L | <0.001 | <0.001 | | 0.001 |
| Total Trihalomethanes | mg/L | 0.037 | 0.125 | | 0.001 |
| Trihalomethanes - Surrogate Recovery | | | | | |
| Dibromofluoromethane | EPA Surrogate | % | 88 | 92 | 86-118 |
| Toluene-d8 | EPA Surrogate | % | 98 | 99 | 85-115 |
| Bromofluorobenzene | EPA Surrogate | % | 95 | 94 | 86-115 |

Approved by: 
 Mathieu Simoneau
 Operations Manager

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.

Methodology and Notes

| | | |
|---|--|---|
| Bill To: Van Anda Improvement District Box 115 2036 Marble Bay Road Van Anda, BC, Canada V0N 3K0 Attn: Lin Johnson Sampled By: Ken Soles Company: Van Anda | Project: ID: Name: Location: LSD: P.O.: Acct code: | Lot ID: 1199969 Control Number: C0031314 Date Received: May 3, 2017 Date Reported: May 10, 2017 Report Number: 2186984 |
|---|--|---|

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 | 04-May-17 | Exova Surrey |
| THM - Water | US EPA | * US EPA method, 8260B/5035 | 04-May-17 | Exova Calgary |
| Trace Metals (Total) in Water (Surrey) | US EPA | * Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8 | 04-May-17 | Exova Surrey |

** Reference Method Modified*

References

US EPA US Environmental Protection Agency Test Methods

Comments:

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: _____
 Project Name: _____
 Project Location: _____
 Legal Location: _____
 PO/AFE#: _____
 Proj. Acct. Code: _____
 Quote #: _____

Invoice to:
 Company: VANANDA IMPROVEMENT DISTRICT
 Address: BOX 115 VANANDA, B.C. V0N 3K0
 Attention: LIN JOHNSON
 Phone: _____
 Cell: 604-414-3508
 Fax: CONTACT@VANANDA-ID.CA
 E-mail: _____
 Agreement ID: _____
 Copy of report: _____

Report To:
 Company: VANANDA IMPROVEMENT DISTRICT
 Address: BOX 115 VANANDA, B.C. V0N 3K0
 Attention: LIN JOHNSON
 Phone: _____
 Cell: 604-414-3508
 Fax: _____
 E-mail 1: CONTACT@VANANDA-ID.CA
 E-mail 2: BOBTHIMMS@TWINCOMM.CA
 Copy of invoice: _____

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

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.

| Number of Containers | TOTAL METALS | THM TANK INLET | THM TANK OUTLET |
|----------------------|--------------|----------------|-----------------|
| | | | |

Sample Custody (please print)

Sampled by: KIEN SOLES

Company: VANANDA
 IMPROVEMENT DISTRICT

This section for Lab use only

Date/Time stamp:

MAY 3 '17 12:43

Date Required: _____ Signature: _____

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

| Site I.D. | Sample Description | Depth | | Date/Time Sampled | Matrix | Sampling Method | Enter tests above (✓ relevant samples below) | | | | | | | | | | | | | | | |
|-----------|---------------------|----------|--------|-------------------|--------|-----------------|--|---|---|---|---|---|---|---|---|----|--|--|--|--|--|--|
| | | start in | end cm | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | | | | |
| 1 | INTAKE TOTAL METALS | | | MAY 1/17 3:00 PM | | | 1 | 1 | | | | | | | | | | | | | | |
| 2 | TANK INLET THM | | | MAY 1/17 3:15 PM | | | 3 | | 3 | | | | | | | | | | | | | |
| 3 | TANK OUTLET THM | | | MAY 1/17 3:30 PM | | | 3 | | | 3 | | | | | | | | | | | | |
| 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: 1199969 COC



Shipping: COD Y/ N
 # and size of coolers
 Temp. received: 10.8 C
 Delivery Method: _____
 Waybill: _____
 Received by: _____

ED 120-02