



MOUNTAIN VIEW ELECTRIC  
ATTN: Jen Kjaerbaek  
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1009 Bevedere Street  
Enderby BC V0E 1V0

Date Received: 24-NOV-15  
Report Date: 02-DEC-15 17:24 (MT)  
Version: FINAL

Client Phone: 250-838-6455

## Certificate of Analysis

Lab Work Order #: L1706322  
Project P.O. #: NOT SUBMITTED  
Job Reference:  
C of C Numbers:  
Legal Site Desc:

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Amanda Lampreau  
Supervisor

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# ALS ENVIRONMENTAL ANALYTICAL REPORT

<b>Sample ID</b>	L1706322-1	L1706322-2
<b>Description</b>	Water	Water
<b>Sampled Date</b>	24-NOV-15	24-NOV-15
<b>Sampled Time</b>	09:00	08:30
<b>Client ID</b>	HS JANSEN KREBBER WEST	HS JANSEN HAROLD DOMESTIC

Grouping	Analyte			
<b>WATER</b>				
Anions and Nutrients	Nitrate (as N) (mg/L)	<small>D.L.S.</small>	<0.025	1.11
	Nitrite (as N) (mg/L)	<small>D.L.S.</small>	<0.0050	<0.0050 <small>D.L.S.</small>
	Phosphorus (P)-Total (mg/L)		0.0076	0.0045
Bacteriological Tests	E. coli (CFU/100mL)		<1	<1
	Coliform Bacteria - Fecal (CFU/100mL)		<1	<1
	Background colonies (CFU/100mL)		<1	16
	Coliform Bacteria - Total (CFU/100mL)		<1	<1
Total Metals	Potassium (K)-Total (mg/L)		6.60	6.18

New Well  
 (Drilled 2015)

\* Please refer to the Reference Information section for an explanation of any qualifiers detected.

## Reference Information

## QC Samples with Qualifiers &amp; Comments:

QC Type Description	Parameter	Qualifier	Applies to Sample Number(s)
Matrix Spike	Nitrate (as N)	MS-B	L1706322-1, -2

## Qualifiers for Individual Parameters Listed:

Qualifier	Description
DLDS	Detection Limit Raised: Dilution required due to high Dissolved Solids / Electrical Conductivity.
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.

## Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
BGRD-MF-BCDW-KS	Water	Background by MF partition	APHA METHOD 9222 G
This analysis is carried out using procedures adapted from APHA Method 9222 G "MF Partition".			
ECOLI-MF-BCDW-KS	Water	E.coli by MF partition	APHA METHOD 9222 G
This analysis is carried out using procedures adapted from APHA Method 9222 G "MF Partition".			
FCOLI-MF-ENV-KS	Water	Fecal coliform by membrane filtration	APHA METHOD 9222
This analysis is carried out using procedures adapted from APHA Method 9222 "Membrane Filter Technique for Members of the Coliform Group". Coliform bacteria is enumerated by culturing and colony counting. A known sample volume is filtered through a 0.45 micron membrane filter. The test involves an initial 24 hour incubation of the filter with the appropriate growth medium, positive results require further testing (up to an additional 48 hours) to confirm and quantify the total coliform. This method is used for non-turbid water with a low background bacteria level.			
MET-T-CCMS-VA	Water	Total Metals in Water by CRC ICPMS	EPA 200.2/6020A (mod)
Water samples are digested with nitric and hydrochloric acids, and analyzed by CRC ICPMS.			
Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.			
NO2-L-IC-N-VA	Water	Nitrite in Water by IC (Low Level)	EPA 300.1 (mod)
Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.			
NO3-L-IC-N-VA	Water	Nitrate in Water by IC (Low Level)	EPA 300.1 (mod)
Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.			
P-T-PRES-COL-VA	Water	Total P in Water by Colour	APHA 4500-P Phosphorus
This analysis is carried out using procedures adapted from APHA Method 4500-P "Phosphorus". Total Phosphorus is determined colourimetrically after persulphate digestion of the sample.			
TCOLI-MF-BCDW-KS	Water	Total Coliforms by MF Partition	APHA METHOD 9222
This analysis is carried out using procedures adapted from APHA Method 9222 "MF Partition".			

\*\* ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

## Laboratory Definition Code      Laboratory Location

## Chain of Custody Numbers:

## GLOSSARY OF REPORT TERMS

Surrogate - A compound that is similar in behaviour to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

mg/kg - milligrams per kilogram based on dry weight of sample.

mg/kg wwt - milligrams per kilogram based on wet weight of sample.

mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight of sample.

mg/L - milligrams per litre.

< - Less than.

D.L. - The reported Detection Limit, also known as the Limit of Reporting (LOR).

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.



Report To Jen Kjaerbaek, MOUNTAIN VIEW ELECTRIC  
Box 467  
1009 Belevedere Street  
Enderby, BC V0E 1V0

Date Received 24-Nov-2015 15:05  
Report Date 2-Dec-2015 17:24  
Report Revision 1  
Version FINAL

Client Phone 250-838-6455

## Certificate of Analysis

Lab Work Order # L1706322  
Project P.O. #  
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Case Narrative/Comments

A handwritten signature in blue ink, appearing to read 'Amanda Lampreau'.

Amanda Lampreau  
Supervisor

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