

## Report Transmission Cover Page

Bill To: North Springbank Water Co-op 31173 TWP. Road 251A Calgary, AB, Canada T3Z 1E5	Project ID: Q3-2019 Project Name: NSWC Project Location: LSD: P.O.:	Lot ID: <b>1371749</b> Control Number: C128478 Date Received: Aug 21, 2019 Date Reported: Sep 11, 2019 Report Number: 2434524
Attn: Bryce Johnson Sampled By: Company:	Proj. Acct. code:	

Contact	Company	Address
Bryce Johnson	North Springbank Water Co-op	31173 TWP. Road 251A Calgary, AB T3Z 1E5 Phone: (403) 247-1007 Fax: (403) 247-6039 Email: brycej@telus.net, nswc@live.ca

Delivery	Format	Deliverables
Email - Merge Reports	PDF	COC / Test Report
Email - Multiple Reports By Agreement	PDF	COA
Email - Single Report	PDF	Invoice
Email - Single Report	Standard Crosstab With Tabs	Test Report

### Notes To Clients:

- Aug 21, 2019 - The reference method specifies that samples for chloramine analysis be collected in containers with minimum headspace. Sample was received with significant headspace.

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: North Springbank Water Co-op 31173 TWP. Road 251A Calgary, AB, Canada T3Z 1E5	Project ID: Q3-2019 Project Name: NSWC Project Location: LSD: P.O.:	Lot ID: <b>1371749</b> Control Number: C128478 Date Received: Aug 21, 2019 Date Reported: Sep 11, 2019 Report Number: 2434524
Attn: Bryce Johnson	Proj. Acct. code:	
Sampled By:		
Company:		

**Reference Number** 1371749-2  
**Sample Date** August 21, 2019  
**Sample Time** NA  
**Sample Location**  
**Sample Description** NSWC / Schedule 4 / 16.6°C  
**Sample Matrix** Water

Analyte	Units	Result	Nominal Detection Limit	Guideline Limit	Guideline Comments
<b>Inorganic Nonmetallic Parameters</b>					
Ammonia - N	mg/L	<0.025	0.025		
Ammonium/Ammonia Preservation		Yes			
Sulfide Total	mg/L	<0.002	0.002	0.05	Below AO
Organic Carbon Total Nonpurgeable	mg/L	1.7	0.5		
Chlorine Total	mg/L	0.6	0.1		
Chlorine Free	mg/L	0.5	0.1		
Chloramine	mg/L	0.1	0.1	3	Below MAC
Chlorate Dissolved	mg/L	0.1	0.1	1.0	Below MAC
Chlorite Dissolved	mg/L	<0.2	0.2	1.0	Below MAC
Cyanide Dissolved	mg/L	<0.002	0.002	0.2	Below MAC
Bromate Dissolved	mg/L	<0.003	0.003	0.01	Below MAC
Hydrogen Sulfide Calculated	mg/L	<0.002			
<b>Metals Dissolved</b>					
Subsample		Lab Filtered			
<b>Metals Total</b>					
Aluminum Total	mg/L	<0.02	0.02	0.1	Below OG
Calcium Total	mg/L	23.5	0.2		
Iron Total	mg/L	<0.05	0.05	0.3	Below AO
Magnesium Total	mg/L	16.2	0.2		
Manganese Total	mg/L	0.008	0.005	0.02 AO; 0.12 MAC	Below AO
Potassium Total	mg/L	2.3	0.4		
Silicon Total	mg/L	3.14	0.05		
Sodium Total	mg/L	180	0.4	200	Below AO
Sulfur Total	mg/L	54.9	0.3		
Mercury Total	mg/L	<0.000005	0.000005	0.001	Below MAC
Antimony Total	mg/L	<0.0002	0.0002	0.006	Below MAC
Arsenic Total	mg/L	0.0009	0.0002	0.01	Below MAC
Barium Total	mg/L	0.021	0.001	1.0	Below MAC
Beryllium Total	mg/L	<0.0001	0.0001		
Bismuth Total	mg/L	<0.0005	0.0005		
Boron Total	mg/L	0.048	0.002	5.0	Below MAC
Cadmium Total	mg/L	0.00001	0.00001	0.005	Below MAC
Chromium Total	mg/L	<0.0005	0.0005	0.05	Below MAC
Cobalt Total	mg/L	<0.0001	0.0001		
Copper Total	mg/L	0.008	0.001	1 AO; 2 MAC	Below AO
Lead Total	mg/L	0.0002	0.0001	0.005	Below MAC
Lithium Total	mg/L	0.044	0.001		

## Analytical Report

Bill To: North Springbank Water Co-op 31173 TWP. Road 251A Calgary, AB, Canada T3Z 1E5	Project ID: Q3-2019 Project Name: NSWC Project Location: LSD: P.O.:	Lot ID: <b>1371749</b> Control Number: C128478 Date Received: Aug 21, 2019 Date Reported: Sep 11, 2019 Report Number: 2434524
Attn: Bryce Johnson	Proj. Acct. code:	
Sampled By:		
Company:		

<b>Reference Number</b>	1371749-2
<b>Sample Date</b>	August 21, 2019
<b>Sample Time</b>	NA
<b>Sample Location</b>	
<b>Sample Description</b>	NSWC / Schedule 4 / 16.6°C
<b>Sample Matrix</b>	Water

Analyte		Units	Result	Nominal Detection Limit	Guideline Limit	Guideline Comments
<b>Metals Total - Continued</b>						
Molybdenum	Total	mg/L	0.005	0.001		
Nickel	Total	mg/L	<0.0005	0.0005		
Selenium	Total	mg/L	0.0004	0.0002	0.05	Below MAC
Silver	Total	mg/L	<0.00001	0.00001		
Strontium	Total	mg/L	0.386	0.001	7.0	Below MAC
Thallium	Total	mg/L	<0.00005	0.00005		
Tin	Total	mg/L	<0.001	0.001		
Titanium	Total	mg/L	<0.0005	0.0005		
Uranium	Total	mg/L	0.0014	0.0005	0.02	Below MAC
Vanadium	Total	mg/L	0.0003	0.0001		
Zinc	Total	mg/L	0.009	0.001	5.0	Below AO
<b>Physical and Aggregate Properties</b>						
Colour	Apparent, Potable	Colour units	<5	5	15	Below AO
Turbidity		NTU	0.2	0.1	0.1	Above OG
<b>Polycyclic Aromatic Hydrocarbons - Water</b>						
Benzo(a)pyrene		mg/L	<0.000008	0.000008	0.00004	Below MAC
<b>Routine Water</b>						
pH			8.24		7.0-10.5	Within OG Range
Temperature of observed		°C	19.9			
pH						
Electrical Conductivity	at 25 °C	µS/cm	949	1		
Calcium	Dissolved	mg/L	24.3	0.2		
Magnesium	Dissolved	mg/L	17.8	0.2		
Sodium	Dissolved	mg/L	177	0.4	200	Below AO
Potassium	Dissolved	mg/L	2.4	0.4		
Iron	Dissolved	mg/L	<0.01	0.01	0.3	Below AO
Manganese	Dissolved	mg/L	<0.005	0.005	0.02 AO; 0.12 MAC	Below AO
Chloride	Dissolved	mg/L	11.7	0.4	250	Below AO
Fluoride		mg/L	0.68	0.05	1.5	Below MAC
Nitrate - N		mg/L	0.50	0.01	10	Below MAC
Nitrite - N		mg/L	<0.005	0.005	1	Below MAC
Nitrate and Nitrite - N		mg/L	0.50	0.01	10	Below MAC
Sulfate (SO4)	Dissolved	mg/L	161	0.9	500	Below AO
Hydroxide		mg/L	<5			
Carbonate		mg/L	<6			
Bicarbonate		mg/L	411			
P-Alkalinity	as CaCO3	mg/L	<5	5		
T-Alkalinity	as CaCO3	mg/L	337	5		

**Analytical Report**

Bill To: North Springbank Water Co-op 31173 TWP. Road 251A Calgary, AB, Canada T3Z 1E5	Project ID: Q3-2019 Project Name: NSWC Project Location: LSD: P.O.:	Lot ID: <b>1371749</b> Control Number: C128478 Date Received: Aug 21, 2019 Date Reported: Sep 11, 2019 Report Number: 2434524
Attn: Bryce Johnson	Proj. Acct. code:	
Sampled By:		
Company:		

<b>Reference Number</b>	1371749-2
<b>Sample Date</b>	August 21, 2019
<b>Sample Time</b>	NA
<b>Sample Location</b>	
<b>Sample Description</b>	NSWC / Schedule 4 / 16.6°C
<b>Sample Matrix</b>	Water

Analyte	Units	Result	Nominal Detection Limit	Guideline Limit	Guideline Comments	
<b>Routine Water - Continued</b>						
Total Dissolved Solids	Calculated	mg/L	597	1	500	Above AO
Hardness	Dissolved as CaCO3	mg/L	134.0			
Ionic Balance	Dissolved	%	100			
<b>General Water Quality</b>						
Microcystin-Total	ELISA	µg/L	<0.2	0.2	1.5	Below MAC
<b>Glyphosate in Water</b>						
Glyphosate		µg/L	<10	10	280	Below MAC
AMPA		µg/L	<10	10		
<b>Subcontracted Analysis</b>						
Nitritotriacetic Acid		mg/L	<0.1	0.1	0.4	Below MAC
N-Nitrosodimethylamine	NDMA	µg/L	<0.001	0.001	0.04	Below MAC
<b>Health Canada Drinking Water - Organics</b>						
Benzene		mg/L	<0.001	0.001	0.005	Below MAC
Bromodichloromethane		mg/L	0.006	0.001		
Bromoform		mg/L	<0.001	0.001		
Carbon Tetrachloride		mg/L	<0.001	0.001	0.002	Below MAC
Chlorobenzene		mg/L	<0.001	0.001	0.03	Below AO
Chloroform		mg/L	0.008	0.001		
Dibromochloromethane		mg/L	0.003	0.001		
1,2-Dichlorobenzene		mg/L	<0.001	0.001	0.003 AO; 0.2 MAC	Below AO
1,4-Dichlorobenzene		mg/L	<0.001	0.001	0.001 AO; 0.005 MAC	Below AO
1,2-Dichloroethane		mg/L	<0.001	0.001	0.005	Below MAC
1,1-Dichloroethene		mg/L	<0.001	0.001	0.014	Below MAC
2,4 & 2,5-Dichlorophenol		mg/L	<0.0001	0.0001	0.0003 AO; 0.9 MAC	Below AO
Ethylbenzene		mg/L	<0.001	0.001	0.0016 AO; 0.14 MAC	Below AO
Methyl t-Butyl Ether		mg/L	<0.001	0.001	0.015	Below AO
Methylene Chloride		mg/L	<0.005	0.005	0.05	Below MAC
Pentachlorophenol		mg/L	<0.0001	0.0001	0.03	Below AO
Tetrachloroethene		mg/L	<0.001	0.001	0.01	Below MAC
2,3,4,6-Tetrachlorophenol		mg/L	<0.0001	0.0001	0.001	Below AO
Toluene		mg/L	<0.001	0.001	0.024 AO; 0.060 MAC	Below AO
Total Trihalomethanes		mg/L	0.018	0.001	0.1	Below MAC
Total Xylenes (m,p,o)		mg/L	<0.001	0.001	0.02 AO; 0.09 MAC	Below AO
Trichloroethene		mg/L	<0.001	0.001	0.005	Below MAC
2,4,6-Trichlorophenol		mg/L	<0.0001	0.0001	0.002	Below AO

## Analytical Report

Bill To: North Springbank Water Co-op 31173 TWP. Road 251A Calgary, AB, Canada T3Z 1E5	Project ID: Q3-2019 Project Name: NSWC Project Location: LSD: P.O.:	Lot ID: <b>1371749</b> Control Number: C128478 Date Received: Aug 21, 2019 Date Reported: Sep 11, 2019 Report Number: 2434524
Attn: Bryce Johnson Sampled By: Company:	Proj. Acct. code:	

<b>Reference Number</b>	1371749-2
<b>Sample Date</b>	August 21, 2019
<b>Sample Time</b>	NA
<b>Sample Location</b>	
<b>Sample Description</b>	NSWC / Schedule 4 / 16.6°C
<b>Sample Matrix</b>	Water

Analyte	Units	Result	Nominal Detection Limit	Guideline Limit	Guideline Comments
<b>Health Canada Drinking Water - Organics - Continued</b>					
Vinyl Chloride	mg/L	<0.002	0.002	0.002	Below MAC
<b>Health Canada Drinking Water - Pesticides</b>					
Aldicarb	mg/L	<0.0001	0.0001		
Aldrin	mg/L	<0.0005	0.0005		
Dieldrin	mg/L	<0.0005	0.0005		
Atrazine	mg/L	<0.0001	0.0001	0.005	Below MAC
Deethylatrazine	mg/L	<0.0001	0.0001	0.005	Below MAC
Deisopropylatrazine	mg/L	<0.0001	0.0001	0.005	Below MAC
Didealkylatrazine	mg/L	<0.0001	0.0001	0.005	Below MAC
Azinphos-methyl	mg/L	<0.0005	0.0005	0.02	Below MAC
Bendiocarb	mg/L	<0.0001	0.0001		
Bromoxynil	mg/L	<0.0001	0.0001	0.005	Below MAC
Carbaryl	mg/L	<0.0001	0.0001	0.09	Below MAC
Carbofuran	mg/L	<0.0001	0.0001	0.09	Below MAC
Chlorpyrifos	mg/L	<0.0005	0.0005	0.09	Below MAC
Cyanazine	mg/L	<0.0001	0.0001		
2,4-D	mg/L	<0.0001	0.0001	0.1	Below MAC
Diazinon	mg/L	<0.0001	0.00010	0.02	Below MAC
Dicamba	mg/L	<0.0001	0.0001	0.12	Below MAC
Diclofop-methyl	mg/L	<0.0002	0.0002	0.009	Below MAC
Dimethoate	mg/L	<0.0005	0.0005	0.02	Below MAC
Dinoseb	mg/L	<0.0001	0.0001		
Diuron	mg/L	<0.0001	0.0001	0.15	Below MAC
Malathion	mg/L	<0.0001	0.0001	0.19	Below MAC
MCPA	mg/L	<0.0001	0.0001	0.1	Below MAC
Methoxychlor	mg/L	<0.0005	0.0005		
Metolachlor	mg/L	<0.0005	0.0005	0.05	Below MAC
Metribuzin	mg/L	<0.0005	0.0005	0.08	Below MAC
Parathion	mg/L	<0.0005	0.0005		
Phorate	mg/L	<0.0005	0.0005	0.002	Below MAC
Picloram	mg/L	<0.0001	0.0001	0.19	Below MAC
Simazine	mg/L	<0.0001	0.0001	0.01	Below MAC
Terbufos	mg/L	<0.0005	0.0005	0.001	Below MAC
Triallate	mg/L	<0.0001	0.00010		
Trifluralin	mg/L	<0.0001	0.0001	0.045	Below MAC
<b>Health Canada DW - Pesticides - Surrogate Recovery</b>					
TPP	Surrogate	%	110	50-140	
3,5-DCBA	Surrogate	%	88	50-140	
BDMC	Surrogate	%	51	50-140	

**Analytical Report**

Bill To: North Springbank Water Co-op 31173 TWP. Road 251A Calgary, AB, Canada T3Z 1E5	Project ID: Q3-2019 Project Name: NSWC Project Location: LSD: P.O.:	Lot ID: <b>1371749</b> Control Number: C128478 Date Received: Aug 21, 2019 Date Reported: Sep 11, 2019 Report Number: 2434524
Attn: Bryce Johnson Sampled By: Company:	Proj. Acct. code:	

<b>Reference Number</b>	1371749-2
<b>Sample Date</b>	August 21, 2019
<b>Sample Time</b>	NA
<b>Sample Location</b>	
<b>Sample Description</b>	NSWC / Schedule 4 / 16.6°C
<b>Sample Matrix</b>	Water

Analyte	Units	Result	Nominal Detection Limit	Guideline Limit	Guideline Comments
<b>Health Canada DW - Pesticides - Surrogate Recovery - Continued</b>					
Monuron	Surrogate	%	77	50-140	
<b>Haloacetic Acids - Water</b>					
Monochloroacetic Acid		µg/L	<2.0	2.0	
Monobromoacetic Acid		µg/L	3.5	2.0	
Dichloroacetic Acid		µg/L	3.9	2.0	
Bromochloroacetic Acid		µg/L	2.7	2.0	
Dibromoacetic Acid		µg/L	<2.0	2.0	
Trichloroacetic Acid		µg/L	3.5	2.0	
Total Haloacetic Acids (HAA6)		µg/L	13.6	2.0	80 Below MAC

Approved by:   
 Anthony Neumann, MSc  
 General Manager

## Methodology and Notes

Bill To: North Springbank Water Co-op 31173 TWP. Road 251A Calgary, AB, Canada T3Z 1E5	Project ID: Q3-2019 Project Name: NSWC Project Location: LSD: P.O.:	Lot ID: <b>1371749</b> Control Number: C128478 Date Received: Aug 21, 2019 Date Reported: Sep 11, 2019 Report Number: 2434524
Attn: Bryce Johnson Sampled By: Company:	Proj. Acct. code:	

## Method of Analysis

Method Name	Reference	Method	Date Analysis Started	Location
Alkalinity, pH, and EC in water	APHA	* Alkalinity - Titration Method, 2320 B	Aug 22, 2019	Element Edmonton - Roper Road
Alkalinity, pH, and EC in water	APHA	* Conductivity, 2510 B	Aug 22, 2019	Element Edmonton - Roper Road
Alkalinity, pH, and EC in water	APHA	* pH - Electrometric Method, 4500-H+ B	Aug 22, 2019	Element Edmonton - Roper Road
Ammonium-N in Water	APHA	* Automated Phenate Method, 4500-NH3 G	Aug 26, 2019	Element Edmonton - Roper Road
Anions (Routine) by Ion Chromatography	APHA	* Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B	Aug 22, 2019	Element Edmonton - Roper Road
Approval-Edmonton	APHA	Checking Correctness of Analyses, 1030 E	Sep 11, 2019	Element Edmonton - Roper Road
Bromate in Water	APHA	* Single-Column Ion Chromatography with Electronic Suppression, 4110 C	Sep 3, 2019	Element Edmonton - Roper Road
Carbon Organic (Total) in water (TOC)	APHA	High-Temperature Combustion Method, 5310 B	Aug 23, 2019	Element Edmonton - Roper Road
Chlorate and Chlorite by Ion Chromatography	APHA	* Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B	Sep 4, 2019	Element Edmonton - Roper Road
Chloride in Water	APHA	* Automated Ferricyanide Method, 4500-Cl-E	Aug 22, 2019	Element Edmonton - Roper Road
Chlorine (Free) in water	APHA	* DPD Colorimetric Method, 4500-Cl G	Aug 22, 2019	Element Edmonton - Roper Road
Chlorine (Total) in water	APHA	* DPD Colorimetric Method, 4500-Cl G	Aug 22, 2019	Element Edmonton - Roper Road
Colour (Apparent) in water	APHA	* Visual Comparison Method, 2120 B	Sep 6, 2019	Element Edmonton - Roper Road
Cyanide (Dissolved) in water	Alta. Env. Method	* Cyanide, Simple Extractable (Automated Pyridine-Barbituric Acid Colorimetric Method), 06608L	Sep 3, 2019	Element Edmonton - Roper Road
Glyphosate - Water	US EPA	* Solvent Extractable Nonvolatile Compounds by HPLC/TS/MS or UV Detection, 8321 B	Aug 22, 2019	Element Calgary
Haloacetic Acids - Water	US EPA	* US EPA method, 552.3	Aug 30, 2019	Eurofins Environment Testing Canada - Ot
HCGCMS Pesticides - Water	US EPA	* OC Pesticides by Gas Chromatography, 8081B	Aug 22, 2019	Element Calgary
HCGCMS Pesticides - Water	US EPA	* OP Compounds by Gas Chromatography: Capillary Column Techniq, 8141A	Aug 22, 2019	Element Calgary
HCLCMS Pesticides - Water	USGS	* Determination of Pesticides in Water by Graphitized Carbon-Based SPE & HPLC/MS, O-2060-1	Aug 30, 2019	Element Calgary
HCVOC - Water	US EPA	* Volatile Organic Compounds by GCMS / Purge and Trap for Aqueous Samples, 8260B/5030B	Aug 26, 2019	Element Calgary
Mercury (Total) in water	EPA	* Mercury in Water by Cold Vapor Atomic Fluorescence Spectrometry, 245.7	Aug 23, 2019	Element Edmonton - Roper Road
Mercury (Total) in water	US EPA	* Determination of Hg in Sediment by Cold	Aug 23, 2019	Element Edmonton - Roper

## Methodology and Notes

Bill To: North Springbank Water Co-op 31173 TWP. Road 251A Calgary, AB, Canada T3Z 1E5	Project ID: Q3-2019 Project Name: NSWC Project Location: LSD: P.O.:	Lot ID: <b>1371749</b> Control Number: C128478 Date Received: Aug 21, 2019 Date Reported: Sep 11, 2019 Report Number: 2434524
Attn: Bryce Johnson	Proj. Acct. code:	
Sampled By:		
Company:		

Method Name	Reference	Method	Date Analysis Started	Location
Mercury (Total) in water	US EPA	Vapor Atomic Absorption Spec, 245.5		Road
Metals ICP-MS (Total) in water	APHA/USEPA	* Metals By Inductively Coupled Plasma/Mass Spectrometry, APHA 3125 B / USEPA 200.2, 200.8	Aug 22, 2019	Element Edmonton - Roper Road
Metals ICP-MS (Total) in water	US EPA	* Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8	Aug 22, 2019	Element Edmonton - Roper Road
Metals Trace (Dissolved) in water	APHA	Hardness by Calculation, 2340 B	Aug 22, 2019	Element Edmonton - Roper Road
Metals Trace (Dissolved) in water	APHA	* Inductively Coupled Plasma (ICP) Method, 3120 B	Aug 22, 2019	Element Edmonton - Roper Road
Metals Trace (Total) in water	APHA	* Inductively Coupled Plasma (ICP) Method, 3120 B	Aug 22, 2019	Element Edmonton - Roper Road
Microcystin in water	EnviroLogix	Microcystins Analysis in Water by ELISA Method, Catalog Number EP022	Sep 3, 2019	Element Calgary
NDMA in water	Ext. Lab	Analysis performed by external laboratory, .	Sep 3, 2019	Pacific Rim Laboratories Inc.
Nitilotriacetic acid in water	Ext. Lab	Analysis performed by external laboratory, .	Aug 26, 2019	Saskatchewan Research Council
PAH - Water	US EPA	* Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry, 8270	Aug 22, 2019	Element Calgary
PCP - Water	US EPA	* Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry, 8270	Aug 22, 2019	Element Calgary
Sulfide in water	APHA	* Gas Dialysis, Automated Methylene Blue Method, 4500-S2- E	Aug 22, 2019	Element Edmonton - Roper Road
Turbidity in Water	APHA	* Turbidity - Nephelometric Method, 2130 B	Sep 6, 2019	Element Edmonton - Roper Road

\* Reference Method Modified

## References

Alta. Env. Method	Alberta Environment Method
APHA	Standard Methods for the Examination of Water and Wastewater
APHA/USEPA	Standard Methods For Water/ Environmental Protection Agency
EnviroLogix	Envirologix QuantiPlate Kit for Microcystins
EPA	Environmental Protection Agency Test Methods - US
Ext. Lab	External Laboratory
US EPA	US Environmental Protection Agency Test Methods
USGS	U.S. Geological Survey National Water Quality Laboratory

## Guidelines

Guideline Description	Health Canada GCDWQ
Guideline Source	Guidelines for Canadian Drinking Water Quality, Health Canada, June 2019
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>



---

**Methodology and Notes**

Bill To:	North Springbank Water Co-op	Project ID:	Q3-2019	Lot ID:	<b>1371749</b>
	31173 TWP. Road 251A	Project Name:	NSWC	Control Number:	C128478
	Calgary, AB, Canada	Project Location:		Date Received:	Aug 21, 2019
	T3Z 1E5	LSD:		Date Reported:	Sep 11, 2019
Attn:	Bryce Johnson	P.O.:		Report Number:	2434524
Sampled By:		Proj. Acct. code:			
Company:					

---

**Comments:**

- Aug 21, 2019 - The reference method specifies that samples for chloramine analysis be collected in containers with minimum headspace. Sample was received with significant headspace.

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.