

Date: 12-OCT-17 PO No.: 0000132962 WO No.: L1999375

LSD:

Project Ref:

Sample ID: SEYM 002 DF

Fountain no

longer in service

Sampled By:

Date Collected: 27-SEP-17

Lab Sample ID: L1999375-1

Matrix: Water

Total Metals Lead (Pb)-Total DWQG = Health Canada Guideline Limits updated CDWQG for Nitrate+Nitrite-N is the limit for nitrate onl Turbidity guideline based on membrane filtration. For ummary Table of Guidelines for Canadian Drinking Wa A blank entry designates no known limit. A shaded value in the Results column exceeds CDWC	ly. If present as N guidelines on cor ater Quality	itrate then the lim	mg/L nit is 10mg/L < or ent and slow sand	0.01 N.D. = less than det or diatomaceous e	ection limit.	05-OCT-1
DWQG = Health Canada Guideline Limits updated CDWQG for Nitrate+Nitrite-N is the limit for nitrate onl Turbidity guideline based on membrane filtration. For ummary Table of Guidelines for Canadian Drinking Wi A blank entry designates no known limit.	DECEMBER ly. If present as N guidelines on cor ater Quality	itrate then the lim	nit is 10mg/L < or	N.D. = less than det	ection limit.	05-OCT-1
CDWQG for Nitrate+Nitrite-N is the limit for nitrate onl Turbidity guideline based on membrane filtration. For ummary Table of Guidelines for Canadian Drinking Wo A blank entry designates no known limit.	ly. If present as N guidelines on cor ater Quality	itrate then the lim	nit is 10mg/L < or ent and slow sand	N.D. = less than det l or diatomaceous e	ection limit.	
Turbidity guideline based on membrane filtration. For ummary Table of Guidelines for Canadian Drinking Wi A blank entry designates no known limit.	guidelines on cor ater Quality	ventional treatme	nit is 10mg/L < or ent and slow sand	N.D. = less than det f or diatomaceous e	ection limit.	
A shaded value in the Results column exceeds CDW(QG MAC and/ or A	wedlette Otto of			a.a. madion pier	ase see
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Approved by Meleni						
Heather McKenzie Account Manager						
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Date: 12-OCT-17 PO No.: 0000132962 WO No.: L1999375

LSD:

Project Ref:

Sample ID: SEYM 209 DF

Sampled By:

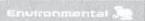
Fountain no longer in service

Date Collected: 27-SEP-17

Lab Sample ID: L1999375-2

Matrix: Water

Test Description	Result	Qualifier	Units of Measure	CDWQG MAC	Aesthetic Objective	Date Analyzed
Total Metals						
Lead (Pb)-Total	0.000866		mg/L	0.01		05-OCT-1
DWQG = Health Canada Guideline Limits updated	DECEMBER	2015				
CDWQG for Nitrate+Nitrite-N is the limit for nitrate only. Turbidity guideline based on membrane filtration. For gu ummary Table of Guidelines for Canadian Drinking Wate	uidelines on co	Nitrate then the lin	mit is 10mg/L < or l ent and slow sand	N.D. = less than de or diatomaceous e	tection limit. arth filtration ple	ase see
A blank entry designates no known limit. A shaded value in the Results column exceeds CDWQG	****	Aesthetic Objecti	ve.			
Approved by Heather McKenzie	_					
Account Manager						
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Date: 12-OCT-17 PO No.: 0000132962 WO No.: L1999375

LSD: Project Ref:

Sample ID: SEYM 105 DF

Sampled By:

Date Collected: 27-SEP-17 Lab Sample ID: L1999375-3

Matrix: Water

Test Description	Result	Qualifier	Units of Measure	CDWQG MAC	Aesthetic Objective	Date Analyze
Total Metals Lead (Pb)-Total	0.000894		mg/L	0.01		05-OCT-1
DWQG = Health Canada Guideline Limits updated	DECEMBER	2015				
CDWQG for Nitrate+Nitrite-N is the limit for nitrate only. Furbidity guideline based on membrane filtration. For gummary Table of Guidelines for Canadian Drinking Water A blank entry designates no known limit. A shaded value in the Results column exceeds CDWQG	If present as N uidelines on cor er Quality	litrate then the line	nent and slow sand	N.D. = less than de or diatomaceous e	tection limit. arth filtration ple	ase see
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Approved by Heather McKenzie Account Manager	-					
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Date: 12-OCT-17 PO No.: 0000132962 WO No.: L1999375

LSD: Project Ref:

Sample ID: SEYM 008 SS DF

Sampled By:

Date Collected: 27-SEP-17 Lab Sample ID: L1999375-4

Matrix: Water

Test Description	Result	Qualifier	Units of Measure	CDWQG MAC	Aesthetic Dat Objective Analy
Total Metals Lead (Pb)-Total	0.00146		mg/L	0.01	05-OC
DWQG = Health Canada Guideline Limits updated CDWQG for Nitrate+Nitrite-N is the limit for nitrate only Turbidity guideline based on membrane filtration. For gumary Table of Guidelines for Canadian Drinking Wa A blank entry designates no known limit. A shaded value in the Results column exceeds CDWQ	juidelines on con ter Quality	itrate then the lim ventional treatmo	ent and slow sand	I.D. = less than det or diatomaceous ea	ection limit. arth filtration please see
Approved by Heather McKenzie Account Manager					
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Date: 12-OCT-17 PO No.: 0000132962 WO No.: L1999375

LSD: Project Ref:

Sample ID: SEYM 013 DF

Sample ID: SEY

Fountain no longer in service

Date Collected: 27-SEP-17

Lab Sample ID: L1999375-5

Matrix: Water

Test Description	Result	Qualifier	Units of Measure	CDWQG MAC	Aesthetic Objective	Date Analyze
Total Metals						
Lead (Pb)-Total	0.00833		mg/L	0.01		05-OCT-1
DWQG = Health Canada Guideline Limits updated	DECEMBER	2015				
CDWQG for Nitrate+Nitrite-N is the limit for nitrate only. Furbidity guideline based on membrane filtration. For gummary Table of Guidelines for Canadian Drinking Wat A blank entry designates no known limit. A shaded value in the Results column exceeds CDWQ0	uidelines on cor er Quality	iventional treatm	ent and slow sand	N.D. = less than de or diatomaceous e	tection limit. earth filtration ple	ase see
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Approved by McKenzi						
Heather McKenzie Account Manager						
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Date: 12-OCT-17 PO No.: 0000132962 WO No.: L1999375

LSD:

Project Ref: Sample ID: SEYM 304 DF

Fountain no

Sampled By:

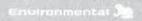
Sampled By:

longer in service

Date Collected: 27-SEP-17 Lab Sample ID: L1999375-6

Matrix: Water

Test Description	Result	Qualifier	Units of Measure	CDWQG MAC	Aesthetic Objective	Date Analyzed
Fotal Metals						
Lead (Pb)-Total	0.0243		mg/L	0.01		05-OCT-
DWQG = Health Canada Guideline Limits updated	DECEMBER	2015	+:			
CDWQG for Nitrate+Nitrite-N is the limit for nitrate only Furbidity guideline based on membrane filtration. For g ummary Table of Guidelines for Canadian Drinking War A blank entry designates no known limit. A shaded value in the Results column exceeds CDWQ	juidelines on co ter Quality	nventional treatm	ent and slow sar	r N.D. = less than de d or diatomaceous e	tection limit. arth filtration ple	ase see
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Heather McKenzie Account Manager						
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Date: 12-OCT-17
PO No.: 0000132962
WO No.: L1999375
LSD:

Project Ref:

Sample ID: SEYM 013 SS DF

Sampled By:

Date Collected: 27-SEP-17 Lab Sample ID: L1999375-7

Matrix: Water

Test Description	Result	Qualifier	Units of Measure	CDWQG MAC	Aesthetic Objective	Date Analyze
Total Metals						
Lead (Pb)-Total	0.0111		mg/L	0.01		05-OCT-
DWQG = Health Canada Guideline Limits updated	DECEMBER	2015				
CDWQG for Nitrate+Nitrite-N is the limit for nitrate only Turbidity guideline based on membrane filtration. For ummary Table of Guidelines for Canadian Drinking Wa A blank entry designates no known limit. A shaded value in the Results column exceeds CDWQ	guidelines on co iter Quality	nventional treatm	ent and slow sar	r N.D. = less than de nd or diatomaceous e	tection limit, arth filtration ple	ease see
Approved by Heather McKenzie						
Account Manager						
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Guidelines & Objectives

Health Canada MAC Health Related Criteria Limits

Nitrate/Nitrite-N*

Criteria limit is 10 mg/L (1.0 mg/L if present as all Nitrite-N). High concentrations may contribute to blue baby syndrome in infants.

A cumulative body poison, uncommon in naturally occurring hard waters.

Fluoride*

Lead*

Present in fluoridated water supplies at 0.8 mg/L to reduce dental caries. Elevated levels causes fluorosis (mottling of teeth).

Total Coliforms* Criteria is 0 CFU/100mL. Adverse health effects.

E. Coli* Criteria is 0 CFU/100 mL. Certain E. Coli bacteria can be life threatening.

*Health Canada Canadian Drinking Water Quality Guidelines (MAC limit)

Aesthetic Objective Concentration Levels

Alkalinity Ad Balance Qu

Acid neutralizing capacity. Usually a measure of carbonate and bicarbonates and calculated and reported as calcium carbonate.

Quality control parameter ratioing cations to anions

Bicarbonate See Alkalinity. Report as the anion HCO3-1
Carbonate See Alkalinity. Reported at the anion CO3-2

Calcium See Hardness. Common major cation of water chemistry.

Chloride Common major anion of water chemistry.

Conductance Physical test measuring water salinity (dissolved ions or solids)

Hardness Classical measure or capacity of water to precipitate soap (chiefly calcium and magnesium ions). Causes scaling tendency in

water if carbonates/bicarbonates are present (if >200 mg/L). For drinking water purposes waters with results <200 mg/L are considered acceptable, results >200 mg/L are considered poor but can be tolerated. Results >500 mg/L are unacceptable.

See alkalinity

Magnesium See hardness. Common major cation of water chemistry. Elevated levels (>125 mg/L) may exert a cathartic or diuretic action.

pH Measure of water acidity/alkalinity. Normal range is 7.0-8.5.

Potassium Common major cation of water chemistry.

Sodium Common major cation of water chemistry. Measure of salinity (saltiness).

Sulphate Common major anion of water chemistry. Elevated levels may exert a cathartic or diuretic action.

Total Dissolved Solids A measure of water salinity.

Iron Causes staining to laundry and porcelain and astringent taste. Oxidizes to red-brown precipitate on exposure to air.

Elevated levels may cause staining of laundry and porcelain.

Manganese Heterotrophic

Hydroxide

Plate Count Criteria is 500 cfu/mL Measure of heterotrophic bacteria present.

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.

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 mg/L - unit of concentration based on volume, parts per million.

< - Less than.

D.L. - The reporting limit.

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.