CERTIFICATE OF ANALYSIS (GUIDELINE EVALUATION)

Work Order	: **CG2211351**	Page	: 1 of 12
Amendment	: **1**		
Client	: **North Springbank Water Coop Limited**	Laboratory	: Calgary - Environmental
Contact	: Barry Okabe	Account Manager	: Patryk Wojciak
Address	: 196 Lariat Loop Calgary AB Canada T3Z 1G1	Address	: 2559 29th Street NE Calgary, Alberta Canada T1Y 7B5
Telephone	: 403-863-9521	Telephone	: +1 403 407 1800
Project	: SCHEDULE 4 TESTING	Date Samples Received	: 24-Aug-2022 11:33
PO	: Bryce 2208	Date Analysis Commenced	: 25-Aug-2022
C-O-C number	: ----	Issue Date	: 15-Sep-2022 16:11
Sampler	: ----		
Site	: ----		
Quote number	: Q85330		
No. of samples received	: 1		
No. of samples analysed	: 1		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Guideline Comparison

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	Position	Laboratory Department
Adam Boettger	Team Leader - LCMS	LCMS, Waterloo, Ontario
Elke Tabora		Inorganics, Calgary, Alberta
Greg Pokocky	Supervisor - Inorganic	Inorganics, Waterloo, Ontario
Harpreet Chawla	Team Leader - Inorganics	Inorganics, Calgary, Alberta
Harpreet Chawla	Team Leader - Inorganics	Metals, Calgary, Alberta
Jeanie Mark	Laboratory Analyst	Organics, Calgary, Alberta
Jeremy Gingras	Team Leader - Semi-Volatile Instrumentation	Organics, Waterloo, Ontario
Jihun Jeon	Laboratory Analyst	LCMS, Waterloo, Ontario
Jon Fisher	Department Manager - Inorganics	Inorganics, Waterloo, Ontario
Katarzyna Glinka	Analyst	Inorganics, Calgary, Alberta
Kevin Duarte	Supervisor - Metals ICP Instrumentation	Inorganics, Burnaby, British Columbia
Michelle Michalchuk	Analyst	Organics, Winnipeg, Manitoba
Naeun Kim	Analyst	Metals, Calgary, Alberta
Parker Sgarbossa	Laboratory Analyst	Inorganics, Calgary, Alberta
Sara Niroomand		Inorganics, Calgary, Alberta
Sara Niroomand		Metals, Calgary, Alberta
Shirley Li		Metals, Calgary, Alberta
Sorina Motea	Laboratory Analyst	Organics, Calgary, Alberta
Vladka Stamenova	Analyst	Inorganics, Calgary, Alberta

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.
Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information. Guidelines are not adjusted for the hardness, pH or temperature of the sample (the most conservative values are used). Measurement uncertainty is not applied to test results prior to comparison with specified criteria values.

Key : LOR: Limit of Reporting (detection limit).

Unit	Description
-	No Unit
%	percent
µg/L	micrograms per litre
µS/cm	Microsiemens per centimetre
CU	colour units (1 CU = 1 mg/L Pt)
meq/L	milliequivalents per litre
mg/L	milligrams per litre
pH units	pH units

>: greater than.

<: less than.

Red shading is applied where the result is greater than the Guideline Upper Limit or the result is lower than the Guideline Lower Limit.

For drinking water samples, Red shading is applied where the result for E.coli, fecal or total coliforms is greater than or equal to the Guideline Upper Limit.

Qualifiers

Qualifier	Description
DLDS	*Detection Limit Raised: Dilution required due to high Dissolved Solids / Electrical Conductivity.*

Analytical Results

Sub-Matrix: Water (Matrix: Water)			Client sample ID	Schedule 4 Q3 2022						
			Sampling date/time	24-Aug-2022 10:30						
Analyte	Method	LOR	Unit	CG2211351-001	CDWG AO/OG	CDWG MAC				
Physical Tests										
colour, true	E329	5.0	CU	<5.0	15 CU					
hardness (as CaCO3), dissolved	EC100	0.50	mg/L	167	80 - 100 mg/L					
conductivity	E100	2.0	µS/cm	964						
pH	E108	0.10	pH units	8.30	7 - 10.5 pH units					
alkalinity, bicarbonate (as HCO3)	E290	1.0	mg/L	411						
alkalinity, carbonate (as CO3)	E290	1.0	mg/L	<1.0						
alkalinity, hydroxide (as OH)	E290	1.0	mg/L	<1.0						
alkalinity, total (as CaCO3)	E290	2.0	mg/L	337						
solids, total dissolved [TDS], calculated	EC103	1.0	mg/L	670						
Anions and Nutrients										
ammonia, total (as N)	E298	0.0050	mg/L	<0.0050						
chloride	E235.Cl	0.50	mg/L	15.6	250 mg/L					
fluoride	E235.F	0.020	mg/L	0.513		1.5 mg/L				
nitrate (as N)	E235.NO3	0.020	mg/L	0.522		10 mg/L				
nitrite (as N)	E235.NO2	0.010	mg/L	<0.050 DLDS		1 mg/L				
sulfate (as SO4)	E235.SO4	0.30	mg/L	212						
nitrate + nitrite (as N)	EC235.N+N	0.0500	mg/L	0.522		10 mg/L				
Cyanides										
cyanide, strong acid dissociable (total)	E333	0.0020	mg/L	<0.0020						
Organic / Inorganic Carbon										
carbon, total organic [TOC]	E355-L	0.50	mg/L	1.83						
Inorganic Parameters										
chlorine, free	E327-H	0.10	mg/L	0.50						
chlorine, total	E326-H	0.10	mg/L	0.70						
Total Sulfides										
sulfide, total (as S)	E395	0.0015	mg/L	<0.0015						
sulfide, total (as H2S)	E395	0.0016	mg/L	<0.0016	0.05 mg/L					
Ion Balance										
anion sum	EC101	0.10	meq/L	11.6						

Analyte	Method	LOR	Unit	CG2211351-001 (Continued)	CDWG AO/OG	CDWG MAC				
Ion Balance - Continued										
cation sum	EC101	0.10	meq/L	10.9						
ion balance (APHA)	EC101	0.010	%	3.11						
ion balance (cations/anions)	EC101	0.010	%	94.0						
Total Metals										
aluminum, total	E420	0.0030	mg/L	0.0158	0.1 mg/L	2.9 mg/L				
antimony, total	E420	0.00010	mg/L	<0.00010		0.006 mg/L				
arsenic, total	E420	0.00010	mg/L	0.00030		0.01 mg/L				
barium, total	E420	0.00010	mg/L	0.0235		2 mg/L				
boron, total	E420	0.010	mg/L	0.052		5 mg/L				
cadmium, total	E420	0.0000050	mg/L	0.0000119		0.007 mg/L				
calcium, total	E420	0.050	mg/L	30.5						
chromium, total	E420	0.00050	mg/L	<0.00050		0.05 mg/L				
copper, total	E420	0.00050	mg/L	0.00425	1 mg/L	2 mg/L				
iron, total	E420	0.010	mg/L	0.015	0.3 mg/L					
lead, total	E420	0.000050	mg/L	0.000102		0.005 mg/L				
magnesium, total	E420	0.0050	mg/L	21.5						
manganese, total	E420	0.00010	mg/L	0.00595	0.02 mg/L	0.12 mg/L				
mercury, total	E508	0.0000050	mg/L	<0.0000050		0.001 mg/L				
nickel, total	E420	0.00050	mg/L	<0.00050						
potassium, total	E420	0.050	mg/L	2.27						
selenium, total	E420	0.000050	mg/L	0.000317		0.05 mg/L				
silver, total	E420	0.000010	mg/L	<0.000010						
sodium, total	E420	0.050	mg/L	175	200 mg/L					
uranium, total	E420	0.000010	mg/L	0.00158		0.02 mg/L				
zinc, total	E420	0.0030	mg/L	<0.0030	5 mg/L					
Dissolved Metals										
calcium, dissolved	E421	0.050	mg/L	29.3						
iron, dissolved	E421	0.030	mg/L	<0.030	0.3 mg/L					
magnesium, dissolved	E421	0.0050	mg/L	22.8						
manganese, dissolved	E421	0.00500	mg/L	<0.00500	0.02 mg/L	0.12 mg/L				
potassium, dissolved	E421	0.050	mg/L	2.35						
sodium, dissolved	E421	0.050	mg/L	173	200 mg/L					
dissolved metals filtration location	EP421		-	Laboratory						
Aggregate Organics										
nitrilotriacetic acid [NTA]	E394	0.20	mg/L	<0.20		0.4 mg/L				
Volatile Organic Compounds [Drycleaning]										
carbon tetrachloride	E611F	0.20	µg/L	<0.20		5 µg/L				

Analyte	Method	LOR	Unit	CG2211351-001 (Continued)	CDWG AO/OG	CDWG MAC				
Volatile Organic Compounds [Drycleaning] - Continued										
chloroethane	E611F	0.50	µg/L	<0.50						
dichloroethane, 1,1-	E611F	0.50	µg/L	<0.50						
dichloroethane, 1,2-	E611F	0.50	µg/L	<0.50		5 µg/L				
dichloroethylene, 1,1-	E611F	0.50	µg/L	<0.50		14 µg/L				
dichloroethylene, cis-1,2-	E611F	0.50	µg/L	<0.50						
dichloroethylene, trans-1,2-	E611F	0.50	µg/L	<0.50						
dichloromethane	E611F	1.0	µg/L	<1.0		50 µg/L				
dichloropropylene, trans-1,3-	E611F	0.50	µg/L	<0.50						
tetrachloroethylene	E611F	0.50	µg/L	<0.50		10 µg/L				
trichloroethane, 1,1,1-	E611F	0.50	µg/L	<0.50						
trichloroethylene	E611F	0.50	µg/L	<0.50		5 µg/L				
vinyl chloride	E611F	0.50	µg/L	<0.50		2 µg/L				
benzene	E611F	0.50	µg/L	<0.50		5 µg/L				
dibromoethane, 1,2-	E611F	0.20	µg/L	<0.20						
ethylbenzene	E611F	0.50	µg/L	<0.50	1.6 µg/L	140 µg/L				
hexane, n-	E611F	0.50	µg/L	<0.50						
isopropylbenzene	E611F	0.50	µg/L	<0.50						
methyl-tert-butyl ether [MTBE]	E611F	0.50	µg/L	<0.50	15 µg/L					
naphthalene	E611F	0.50	µg/L	<0.50						
styrene	E611F	0.50	µg/L	<0.50						
toluene	E611F	0.50	µg/L	<0.50	24 µg/L	60 µg/L				
trimethylbenzene, 1,2,4-	E611F	0.50	µg/L	<0.50						
trimethylbenzene, 1,3,5-	E611F	0.50	µg/L	<0.50						
xylene, m+p-	E611F	0.40	µg/L	<0.40						
xylene, o-	E611F	0.30	µg/L	<0.30						
xylenes, total	E611F	0.50	µg/L	<0.50	20 µg/L	90 µg/L				
bromodichloromethane	E611B	1.0	µg/L	6.3						
bromoform	E611B	1.0	µg/L	<1.0						
chloroform	E611B	1.0	µg/L	11.0						
dibromochloromethane	E611B	1.0	µg/L	4.0						
Acetone	E611F	20	µg/L	<20						
bromobenzene	E611F	0.50	µg/L	<0.50						
bromochloromethane	E611F	0.50	µg/L	<0.50						
bromomethane	E611F	0.50	µg/L	<0.50						
butylbenzene, n-	E611F	0.50	µg/L	<0.50						
butylbenzene, sec-	E611F	0.50	µg/L	<0.50						
butylbenzene, tert-	E611F	0.50	µg/L	<0.50						

Analyte	Method	LOR	Unit	CG2211351-001 (Continued)	CDWG AO/OG	CDWG MAC				
Volatile Organic Compounds - Continued										
carbon disulfide	E611F	0.50	µg/L	<0.50						
chlorobenzene	E611F	0.50	µg/L	<0.50	30 µg/L	80 µg/L				
chloromethane	E611F	2.0	µg/L	<2.0						
chlorotoluene, 2-	E611F	0.50	µg/L	<0.50						
chlorotoluene, 4-	E611F	0.50	µg/L	<0.50						
cymene, p-	E611F	0.50	µg/L	<0.50						
dibromo-3-chloropropane, 1,2-	E611F	0.50	µg/L	<0.50						
dibromomethane	E611F	0.50	µg/L	<0.50						
dichlorobenzene, 1,2-	E611F	0.50	µg/L	<0.50	3 µg/L	200 µg/L				
dichlorobenzene, 1,3-	E611F	0.50	µg/L	<0.50						
dichlorobenzene, 1,4-	E611F	0.50	µg/L	<0.50	1 µg/L	5 µg/L				
dichlorodifluoromethane	E611F	0.50	µg/L	<0.50						
dichloropropane, 1,2-	E611F	0.50	µg/L	<0.50						
dichloropropane, 1,3-	E611F	0.50	µg/L	<0.50						
dichloropropane, 2,2-	E611F	0.50	µg/L	<0.50						
dichloropropylene, 1,1-	E611F	0.50	µg/L	<0.50						
dichloropropylene, cis+trans-1,3-	E611F	0.75	µg/L	<0.75						
dichloropropylene, cis-1,3-	E611F	0.50	µg/L	<0.50						
hexachlorobutadiene	E611F	0.50	µg/L	<0.50						
hexanone, 2-	E611F	20	µg/L	<20						
methyl ethyl ketone [MEK]	E611F	20	µg/L	<20						
methyl isobutyl ketone [MIBK]	E611F	20	µg/L	<20						
propylbenzene, n-	E611F	0.50	µg/L	<0.50						
tetrachloroethane, 1,1,1,2-	E611F	0.50	µg/L	<0.50						
tetrachloroethane, 1,1,2,2-	E611F	0.50	µg/L	<0.50						
trichlorobenzene, 1,2,3-	E611F	0.50	µg/L	<0.50						
trichlorobenzene, 1,2,4-	E611F	0.50	µg/L	<0.50						
trichloroethane, 1,1,2-	E611F	0.50	µg/L	<0.50						
trichlorofluoromethane	E611F	0.50	µg/L	<0.50						
trichloropropane, 1,2,3-	E611F	0.50	µg/L	<0.50						
trihalomethanes [THMs], total	E611B	2.0	µg/L	21.3		100 µg/L				
bromofluorobenzene, 4-	E611B	1.0	%	120						
difluorobenzene, 1,4-	E611B	1.0	%	107						
Polycyclic Aromatic Hydrocarbons										
benzo(a)pyrene	E641A	0.0050	µg/L	<0.0050		0.04 µg/L				
chrysene-d12	E641A	0.1	%	95.4						

Analyte	Method	LOR	Unit	CG2211351-001 (Continued)	CDWG AO/OG	CDWG MAC				
Polycyclic Aromatic Hydrocarbons Surrogates - Continued										
naphthalene-d8	E641A	0.1	%	107						
phenanthrene-d10	E641A	0.1	%	88.9						
DIsinfectant By-Products										
bromate	E722A	0.00030	mg/L	0.00206		0.01 mg/L				
chlorate	E409.CLO3	0.010	mg/L	0.221		1 mg/L				
chlorite	E409.CLO2	0.010	mg/L	<0.010		1 mg/L				
Haloacetic Acids										
bromochloroacetic acid	E750	1.00	µg/L	2.46						
dibromoacetic acid	E750	1.00	µg/L	1.04						
dichloroacetic acid	E750	1.00	µg/L	4.65						
monobromoacetic acid	E750	1.00	µg/L	<1.00						
monochloroacetic acid	E750	1.00	µg/L	<1.00						
trichloroacetic acid	E750	1.00	µg/L	3.91						
haloacetic acids, total [HAA5]	E750	5.00	µg/L	9.60		80 µg/L				
Semi-Volatile Organics										
nitrosodimethylamine, n- [NDMA]	E725-T	0.00090	µg/L	<0.00090		0.04 µg/L				
Chlorinated Phenolics										
dichlorophenol, 2,4-	E651D	0.30	µg/L	<0.30	0.3 µg/L	900 µg/L				
pentachlorophenol [PCP]	E651D	0.50	µg/L	<0.50	30 µg/L	60 µg/L				
tetrachlorophenol, 2,3,4,6-	E651D	0.50	µg/L	<0.50	1 µg/L	100 µg/L				
trichlorophenol, 2,4,6-	E651D	0.50	µg/L	<0.50	2 µg/L	5 µg/L				
tribromophenol, 2,4,6-	E651D	1.0	%	90.6						
Organochlorine Pesticides										
aldrin	E660F	0.0080	µg/L	<0.0080						
chlordane, cis- (alpha)	E660F	0.0080	µg/L	<0.0080						
chlordane, total	E660F	0.011	µg/L	<0.011						
chlordane, trans- (gamma)	E660F	0.0080	µg/L	<0.0080						
DDD, 2,4'-	E660F	0.0040	µg/L	<0.0040						
DDD, 4,4'-	E660F	0.0040	µg/L	<0.0040						
DDD, total	E660F	0.0060	µg/L	<0.0060						
DDE, 2,4'-	E660F	0.0040	µg/L	<0.0040						
DDE, 4,4'-	E660F	0.0040	µg/L	<0.0040						
DDE, total	E660F	0.0060	µg/L	<0.0060						
DDT, 2,4'-	E660F	0.0040	µg/L	<0.0040						
DDT, 4,4'-	E660F	0.0040	µg/L	<0.0040						
DDT, total	E660F	0.0060	µg/L	<0.0060						
dieldrin	E660F	0.0080	µg/L	<0.0080						

Analyte	Method	LOR	Unit	CG2211351-001 (Continued)	CDWG AO/OG	CDWG MAC				
Organochlorine Pesticides - Continued										
endosulfan sulfate	E660F	0.0070	µg/L	<0.0070						
endosulfan, alpha-	E660F	0.0070	µg/L	<0.0070						
endosulfan, beta-	E660F	0.0070	µg/L	<0.0070						
endosulfan, total	E660F	0.010	µg/L	<0.010						
endrin aldehyde	E660F	0.010	µg/L	<0.010						
endrin	E660F	0.010	µg/L	<0.010						
heptachlor epoxide	E660F	0.0080	µg/L	<0.0080						
heptachlor	E660F	0.0080	µg/L	<0.0080						
hexachlorobenzene	E660F	0.0080	µg/L	<0.0080						
hexachlorobutadiene	E660F	0.0080	µg/L	<0.0080						
hexachlorocyclohexane, alpha-	E660F	0.0080	µg/L	<0.0080						
hexachlorocyclohexane, beta-	E660F	0.0080	µg/L	<0.0080						
hexachlorocyclohexane, delta-	E660F	0.0080	µg/L	<0.0080						
hexachlorocyclohexane, gamma-	E660F	0.0080	µg/L	<0.0080						
hexachlorocyclohexane, total	E660F	0.016	µg/L	<0.016						
hexachloroethane	E660F	0.0080	µg/L	<0.0080						
methoxychlor	E660F	0.0080	µg/L	<0.0080						
mirex	E660F	0.0080	µg/L	<0.0080						
nonachlor, trans-	E660F	0.010	µg/L	<0.010						
oxychlordane	E660F	0.0080	µg/L	<0.0080						
pentachloronitrobenzene	E660F	0.010	µg/L	<0.010						
diuron	E712B	1.0	µg/L	<1.0		150 µg/L				
aldrin + dieldrin	E660F	0.011	µg/L	<0.011						
DDT + metabolites, total	E660F	0.010	µg/L	<0.010						
heptachlor + heptachlor epoxide	E660F	0.011	µg/L	<0.011						
decachlorobiphenyl	E660F	0.10	%	99.9						
tetrachloro-m-xylene	E660F	0.10	%	82.0						
Herbicides										
acetic acid, 2-methyl-4-chlorophenoxy- [MCPA]	E706A	0.050	µg/L	<0.050		100 µg/L				
asulam	E706A	0.010	µg/L	<0.010						
brodifacoum	E706A	0.010	µg/L	<0.010						
bromacil	E706A	0.10	µg/L	<0.10						
bromoxynil	E706A	0.050	µg/L	<0.050		30 µg/L				

Analyte	Method	LOR	Unit	CG2211351-001 (Continued)	CDWG AO/OG	CDWG MAC				
Herbicides - Continued										
butanoic acid, 4-(4-chloro-2-methylphenoxy)-[MCPB]	E706A	0.050	µg/L	<0.050						
clopyralid	E706A	0.10	µg/L	<0.10						
dicamba	E706A	0.10	µg/L	<0.10		110 µg/L				
dichlorophenoxy(2,4-)butyric acid, 4- [2,4-DB]	E706A	0.050	µg/L	<0.050						
dichlorophenoxyacetic acid, 2,4- [2,4-D]	E706A	0.050	µg/L	<0.050		100 µg/L				
dichlorprop [2,4-DP]	E706A	0.050	µg/L	<0.050						
diflufenican	E706A	0.010	µg/L	<0.010						
dinoseb	E706A	0.050	µg/L	<0.050						
diquat (ion)	E723A	1.0	µg/L	<1.0		70 µg/L				
glyphosate	E716A	0.20	µg/L	<0.20		280 µg/L				
linuron	E706A	0.10	µg/L	<0.10						
mecoprop [MCPP]	E706A	0.050	µg/L	<0.050						
nicarbazin	E706A	0.010	µg/L	<0.010						
oryzalin	E706A	0.050	µg/L	<0.050						
picloram	E706A	0.10	µg/L	<0.10		190 µg/L				
propanil	E706A	0.010	µg/L	<0.010						
terbacil	E706A	0.010	µg/L	<0.010						
trichlorophenoxyacetic acid, 2,4,5- [2,4,5-T]	E706A	0.050	µg/L	<0.050						
trichlorophenoxypropionic acid, 2,4,5- [2,4,5-TP]	E706A	0.050	µg/L	<0.050						
triclopyr	E706A	0.050	µg/L	<0.050						
paraquat (as dichloride)	E723A	1.0	µg/L	<1.0		7 µg/L				
dichlorophenylacetic acid, 2,4-	E706A	1.0	%	101						
Pesticides										
alachlor	E660E-H	0.10	µg/L	<0.10						
ametryn	E660E-H	0.10	µg/L	<0.10						
atrazine	E660E-H	0.10	µg/L	<0.10						
atrazine-desethyl	E660E-H	0.10	µg/L	<0.10						
azinphos-methyl	E660E-H	0.10	µg/L	<0.10		20 µg/L				
bendiocarb	E660E-H	0.50	µg/L	<0.50						
carbaryl	E660E-H	0.20	µg/L	<0.20		90 µg/L				
carbofuran	E660E-H	0.20	µg/L	<0.20		90 µg/L				
chlorpyrifos	E660E-H	0.10	µg/L	<0.10		90 µg/L				

Analyte	Method	LOR	Unit	CG2211351-001 (Continued)	CDWG AO/OG	CDWG MAC				
Pesticides - Continued										
cyanazine	E660E-H	0.10	µg/L	<0.10						
diazinon	E660E-H	0.10	µg/L	<0.10		20 µg/L				
diclofop-methyl	E660E-H	0.10	µg/L	<0.10		9 µg/L				
dimethoate	E660E-H	0.10	µg/L	<0.10		20 µg/L				
fluazifop-p-butyl	E660E-H	0.10	µg/L	<0.10						
malathion	E660E-H	0.10	µg/L	<0.10		290 µg/L				
metolachlor	E660E-H	0.10	µg/L	<0.10		50 µg/L				
metribuzin	E660E-H	0.10	µg/L	<0.10		80 µg/L				
parathion	E660E-H	0.10	µg/L	<0.10						
parathion-methyl	E660E-H	0.10	µg/L	<0.10						
phorate	E660E-H	0.10	µg/L	<0.10		2 µg/L				
prometon	E660E-H	0.10	µg/L	<0.10						
prometryn	E660E-H	0.10	µg/L	<0.10						
propazine	E660E-H	0.10	µg/L	<0.10						
simazine	E660E-H	0.10	µg/L	<0.10		10 µg/L				
temephos	E660E-H	1.0	µg/L	<1.0						
terbufos	E660E-H	0.10	µg/L	<0.10		1 µg/L				
terbutryn	E660E-H	0.10	µg/L	<0.10						
triallate	E660E-H	0.10	µg/L	<0.10						
trifluralin	E660E-H	0.10	µg/L	<0.10		45 µg/L				
atrazine + n-dealkylated metabolites	E660E-H	0.20	µg/L	<0.20		5 µg/L				
fluorobiphenyl, 2-	E660E-H	0.10	%	87.0						
terphenyl-d14, p-	E660E-H	0.10	%	97.0						
Nitrosamines Surrogates										
nitrosodimethylamine-d6, n-	E725-T	0.00090	%	84.0						
Organic Parameters										
microcystin	E576	0.20	µg/L	<0.20		1.5 µg/L				

Please refer to the General Comments section for an explanation of any qualifiers detected.

Summary of Guideline Breaches by Sample

SampleID/Client ID	Matrix	Analyte	Analyte Summary	Guideline	Category	Result	Limit
Schedule 4 Q3 2022	Water	hardness (as CaCO3), dissolved	Hardness levels between 80 and 100 mg/L (as CaCO3) provide acceptable balance between corrosion and incrustation; where a water softener is used, a separate unsoftened supply for cooking and drinking purposes is recommended.	CDWG	AO/OG	167 mg/L	80-100 mg/L

Key:

CDWG — Canada Guidelines for Canadian Drinking Water Quality (JUN, 2022)

AO/OG — Aesthetic Objective/Operational Guideline

MAC — Maximum Acceptable Concentrations