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## CERTIFICATE OF ANALYSIS (GUIDELINE EVALUATION)

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**Work Order** : **CG2401895**  
**Client** : **North Springbank Water Coop Limited**  
**Contact** : Barry Okabe  
**Address** : 196 Lariat Loop  
Calgary AB Canada T3Z 1G1  
**Telephone** : ----  
**Project** : Q1 2024 SCHEDULE 4  
**PO** : ----  
**C-O-C number** : ----  
**Sampler** : ----  
**Site** : ----  
**Quote number** : Q85330  
**No. of samples received** : 1  
**No. of samples analysed** : 1

**Page** : 1 of 22  
**Laboratory** : ALS Environmental - Calgary  
**Account Manager** : Patryk Wojciak  
**Address** : 2559 29th Street NE  
Calgary, Alberta Canada T1Y 7B5  
**Telephone** : +1 403 407 1800  
**Date Samples Received** : 15-Feb-2024 12:10  
**Date Analysis Commenced** : 16-Feb-2024  
**Issue Date** : 29-Feb-2024 15:41

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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).**

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## 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.

<i>Signatories</i>	<i>Position</i>	<i>Laboratory Department</i>
Amaninder Dhillon	Team Lead - Semi-Volatile Instrumentation	Organics, Waterloo, Ontario
Archana Neupane	Lab Assistant	Metals, Calgary, Alberta
Elke Tabora		Inorganics, Calgary, Alberta
George Huang	Supervisor - Inorganic	Metals, Calgary, Alberta
Hannah Lewis	Inorganics Analyst	Inorganics, Waterloo, Ontario
Harpreet Chawla	Team Leader - Inorganics	Inorganics, Calgary, Alberta
Jeremy Gingras	Supervisor - Semi-Volatile Instrumentation	Organics, Waterloo, Ontario
Joshua Stessun	Laboratory Analyst	Organics, Calgary, Alberta
Kevin Baxter	Team Leader - Inorganics	Inorganics, Calgary, Alberta
Nik Perkio	Inorganics Analyst	Inorganics, Waterloo, Ontario
Ryan Velasco		Organics, Winnipeg, Manitoba
Sanja Risticcevic	Department Manager - LCMS	LCMS, Waterloo, Ontario
Shirley Li	Team Leader - Inorganics	Inorganics, Calgary, Alberta
Shirley Li	Team Leader - Inorganics	Metals, Calgary, Alberta
Sorina Motea	Laboratory Analyst	Organics, Calgary, Alberta
Stephanie Pinheiro	Analyst	LCMS, Waterloo, Ontario
Tracy Harley	Supervisor - Water Quality Instrumentation	Inorganics, Burnaby, British Columbia
Walt Kippenhuck	Supervisor - Inorganic	Inorganics, Waterloo, Ontario



## Summary of Guideline Breaches by Sample

SampleID/Client ID	Matrix	Analyte	Analyte Summary	Guideline	Category	Result	Limit
SCHEDULE 4	Water	Solids, total dissolved [TDS], calculated	Based on taste; TDS above 500 mg/L results in excessive scaling in water pipes, water heaters, boilers and appliances; TDS is composed of calcium, magnesium, sodium, potassium, carbonate, bicarbonate, chloride, sulphate and nitrate.	CDWG	AO	608 mg/L	500 mg/L

### 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 units
%	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 or the LOR is greater than the Guideline Upper Limit (or lower than the Guideline Lower Limit, if applicable).

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

<i>Qualifier</i>	<i>Description</i>
<i>DLB</i>	<i>Detection Limit Raised. Analyte detected at comparable level in Method Blank.</i>
<i>DLDS</i>	<i>Detection Limit Raised: Dilution required due to high Dissolved Solids / Electrical Conductivity.</i>
<i>DLM</i>	<i>Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).</i>

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## Analytical Results Evaluation

				Client sample ID	SCHEDULE 4	---	---	---	---	---	---
Matrix: Water				Sampling date/time	15-Feb-2024 10:00	---	---	---	---	---	---
				Sub-Matrix	Water	---	---	---	---	---	---
Analyte	CAS Number	Method/Lab	Unit	CG2401895-001	-----	-----	-----	-----	-----	-----	-----
<b>Physical Tests</b>											
Colour, true	---	E329/CG	CU	<5.0	---	---	---	---	---	---	---
Hardness (as CaCO3), dissolved	---	EC100/CG	mg/L	135	---	---	---	---	---	---	---
Conductivity	---	E100/CG	µS/cm	955	---	---	---	---	---	---	---
pH	---	E108/CG	pH units	8.36	---	---	---	---	---	---	---
Alkalinity, bicarbonate (as HCO3)	71-52-3	E290/CG	mg/L	395	---	---	---	---	---	---	---
Alkalinity, carbonate (as CO3)	3812-32-6	E290/CG	mg/L	6.1	---	---	---	---	---	---	---
Alkalinity, hydroxide (as OH)	14280-30-9	E290/CG	mg/L	<1.0	---	---	---	---	---	---	---
Alkalinity, total (as CaCO3)	---	E290/CG	mg/L	334	---	---	---	---	---	---	---
Solids, total dissolved [TDS], calculated	---	EC103/CG	mg/L	608	---	---	---	---	---	---	---
<b>Anions and Nutrients</b>											
Ammonia, total (as N)	7664-41-7	E298/CG	mg/L	<0.0050	---	---	---	---	---	---	---
Chloride	16887-00-6	E235.Cl/CG	mg/L	13.9	---	---	---	---	---	---	---
Fluoride	16984-48-8	E235.F/CG	mg/L	0.526	---	---	---	---	---	---	---
Nitrate (as N)	14797-55-8	E235.NO3/CG	mg/L	0.518	---	---	---	---	---	---	---
Nitrite (as N)	14797-65-0	E235.NO2/CG	mg/L	<0.050 <sup>DLDS</sup>	---	---	---	---	---	---	---
Sulfate (as SO4)	14808-79-8	E235.SO4/CG	mg/L	160	---	---	---	---	---	---	---
Nitrate + Nitrite (as N)	---	EC235.N+N/CG	mg/L	0.518	---	---	---	---	---	---	---
<b>Cyanides</b>											
Cyanide, strong acid dissociable (Total)	---	E333/WT	mg/L	<0.0200 <sup>DLM</sup>	---	---	---	---	---	---	---
<b>Organic / Inorganic Carbon</b>											
Carbon, total organic [TOC]	---	E355-L/CG	mg/L	1.42	---	---	---	---	---	---	---
<b>Inorganics</b>											
Chlorine, total	7782-50-5	E326-H/CG	mg/L	0.76	---	---	---	---	---	---	---
Chlorine, free	7782-50-5	E327-H/CG	mg/L	0.65	---	---	---	---	---	---	---
Chloramines, total (as Cl2)	---	EC326/CG	mg/L	<0.20	---	---	---	---	---	---	---
<b>Total Sulfides</b>											
Sulfide, total (as S)	18496-25-8	E395/VA	mg/L	<0.0015	---	---	---	---	---	---	---



### Analytical Results Evaluation

Matrix: Water				Client sample ID	SCHEDULE 4	----	----	----	----	----	----
				Sampling date/time	15-Feb-2024 10:00	----	----	----	----	----	----
				Sub-Matrix	Water	----	----	----	----	----	----
Analyte	CAS Number	Method/Lab	Unit	CG2401895-001	-----	-----	-----	-----	-----	-----	-----
<b>Total Sulfides</b>											
<b>Sulfide, total (as H2S)</b>	7783-06-4	E395/VA	mg/L	<0.0016	----	----	----	----	----	----	----
<b>Ion Balance</b>											
<b>Anion sum</b>	----	EC101/CG	meq/L	10.5	----	----	----	----	----	----	----
<b>Cation sum</b>	----	EC101/CG	meq/L	10.4	----	----	----	----	----	----	----
<b>Ion balance (APHA)</b>	----	EC101/CG	%	-0.48	----	----	----	----	----	----	----
<b>Ion balance (cations/anions)</b>	----	EC101/CG	%	99.0	----	----	----	----	----	----	----
<b>Total Metals</b>											
<b>Aluminum, total</b>	7429-90-5	E420/CG	mg/L	<0.0030	----	----	----	----	----	----	----
<b>Antimony, total</b>	7440-36-0	E420/CG	mg/L	<0.00010	----	----	----	----	----	----	----
<b>Arsenic, total</b>	7440-38-2	E420/CG	mg/L	0.00031	----	----	----	----	----	----	----
<b>Barium, total</b>	7440-39-3	E420/CG	mg/L	0.0177	----	----	----	----	----	----	----
<b>Boron, total</b>	7440-42-8	E420/CG	mg/L	0.048	----	----	----	----	----	----	----
<b>Cadmium, total</b>	7440-43-9	E420/CG	mg/L	0.0000076	----	----	----	----	----	----	----
<b>Calcium, total</b>	7440-70-2	E420/CG	mg/L	24.3	----	----	----	----	----	----	----
<b>Chromium, total</b>	7440-47-3	E420/CG	mg/L	<0.00050	----	----	----	----	----	----	----
<b>Copper, total</b>	7440-50-8	E420/CG	mg/L	0.0212	----	----	----	----	----	----	----
<b>Iron, total</b>	7439-89-6	E420/CG	mg/L	<0.010	----	----	----	----	----	----	----
<b>Lead, total</b>	7439-92-1	E420/CG	mg/L	0.000188	----	----	----	----	----	----	----
<b>Magnesium, total</b>	7439-95-4	E420/CG	mg/L	18.8	----	----	----	----	----	----	----
<b>Manganese, total</b>	7439-96-5	E420/CG	mg/L	0.00377	----	----	----	----	----	----	----
<b>Mercury, total</b>	7439-97-6	E508/CG	mg/L	<0.0000050	----	----	----	----	----	----	----
<b>Nickel, total</b>	7440-02-0	E420/CG	mg/L	<0.00050	----	----	----	----	----	----	----
<b>Potassium, total</b>	7440-09-7	E420/CG	mg/L	2.26	----	----	----	----	----	----	----
<b>Selenium, total</b>	7782-49-2	E420/CG	mg/L	0.000294	----	----	----	----	----	----	----
<b>Silver, total</b>	7440-22-4	E420/CG	mg/L	<0.000010	----	----	----	----	----	----	----
<b>Sodium, total</b>	7440-23-5	E420/CG	mg/L	184	----	----	----	----	----	----	----
<b>Uranium, total</b>	7440-61-1	E420/CG	mg/L	0.00134	----	----	----	----	----	----	----
<b>Zinc, total</b>	7440-66-6	E420/CG	mg/L	0.0065	----	----	----	----	----	----	----



## Analytical Results Evaluation

Matrix: Water				Client sample ID	SCHEDULE 4	----	----	----	----	----	----
				Sampling date/time	15-Feb-2024 10:00	----	----	----	----	----	----
				Sub-Matrix	Water	----	----	----	----	----	----
Analyte	CAS Number	Method/Lab	Unit	CG2401895-001	-----	-----	-----	-----	-----	-----	-----
<b>Dissolved Metals</b>											
Calcium, dissolved	7440-70-2	E421/CG	mg/L	23.9	----	----	----	----	----	----	----
Iron, dissolved	7439-89-6	E421/CG	mg/L	<0.010	----	----	----	----	----	----	----
Magnesium, dissolved	7439-95-4	E421/CG	mg/L	18.2	----	----	----	----	----	----	----
Manganese, dissolved	7439-96-5	E421/CG	mg/L	0.00012	----	----	----	----	----	----	----
Potassium, dissolved	7440-09-7	E421/CG	mg/L	2.22	----	----	----	----	----	----	----
Sodium, dissolved	7440-23-5	E421/CG	mg/L	177	----	----	----	----	----	----	----
Dissolved metals filtration location	----	EP421/CG	-	Field	----	----	----	----	----	----	----
<b>Aggregate Organics</b>											
Nitritotriacetic acid [NTA]	139-13-9	E394/WT	mg/L	<0.40	----	----	----	----	----	----	----
<b>Volatile Organic Compounds</b>											
Acetone	67-64-1	E611F/CG	µg/L	<20	----	----	----	----	----	----	----
Bromobenzene	108-86-1	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Bromochloromethane	74-97-5	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Bromomethane	74-83-9	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Butylbenzene, n-	104-51-8	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Butylbenzene, sec-	135-98-8	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Butylbenzene, tert-	98-06-6	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Carbon disulfide	75-15-0	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Chlorobenzene	108-90-7	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Chloromethane	74-87-3	E611F/CG	µg/L	<2.0	----	----	----	----	----	----	----
Chlorotoluene, 2-	95-49-8	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Chlorotoluene, 4-	106-43-4	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Cymene, p-	99-87-6	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Dibromo-3-chloropropane, 1,2-	96-12-8	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Dibromomethane	74-95-3	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Dichlorobenzene, 1,2-	95-50-1	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Dichlorobenzene, 1,3-	541-73-1	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Dichlorobenzene, 1,4-	106-46-7	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----



## Analytical Results Evaluation

Matrix: Water				Client sample ID	SCHEDULE 4	----	----	----	----	----	----
				Sampling date/time	15-Feb-2024 10:00	----	----	----	----	----	----
				Sub-Matrix	Water	----	----	----	----	----	----
Analyte	CAS Number	Method/Lab	Unit	CG2401895-001	-----	-----	-----	-----	-----	-----	-----
<b>Volatile Organic Compounds</b>											
Dichlorodifluoromethane	75-71-8	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Dichloropropane, 1,2-	78-87-5	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Dichloropropane, 1,3-	142-28-9	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Dichloropropane, 2,2-	594-20-7	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Dichloropropylene, 1,1-	563-58-6	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Dichloropropylene, cis+trans-1,3-	542-75-6	E611F/CG	µg/L	<0.75	----	----	----	----	----	----	----
Dichloropropylene, cis-1,3-	10061-01-5	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Hexachlorobutadiene	87-68-3	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Hexanone, 2-	591-78-6	E611F/CG	µg/L	<20	----	----	----	----	----	----	----
Methyl ethyl ketone [MEK]	78-93-3	E611F/CG	µg/L	<20	----	----	----	----	----	----	----
Methyl isobutyl ketone [MIBK]	108-10-1	E611F/CG	µg/L	<20	----	----	----	----	----	----	----
Propylbenzene, n-	103-65-1	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Tetrachloroethane, 1,1,1,2-	630-20-6	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Tetrachloroethane, 1,1,2,2-	79-34-5	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Trichlorobenzene, 1,2,3-	87-61-6	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Trichlorobenzene, 1,2,4-	120-82-1	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Trichloroethane, 1,1,2-	79-00-5	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Trichlorofluoromethane	75-69-4	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Trichloropropane, 1,2,3-	96-18-4	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
<b>Volatile Organic Compounds [Drycleaning]</b>											
Carbon tetrachloride	56-23-5	E611F/CG	µg/L	<0.20	----	----	----	----	----	----	----
Chloroethane	75-00-3	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Dichloroethane, 1,1-	75-34-3	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Dichloroethane, 1,2-	107-06-2	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Dichloroethylene, 1,1-	75-35-4	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Dichloroethylene, cis-1,2-	156-59-2	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Dichloroethylene, trans-1,2-	156-60-5	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Dichloromethane	75-09-2	E611F/CG	µg/L	<1.0	----	----	----	----	----	----	----





## Analytical Results Evaluation

Matrix: Water				Client sample ID	SCHEDULE 4	----	----	----	----	----	----
				Sampling date/time	15-Feb-2024 10:00	----	----	----	----	----	----
				Sub-Matrix	Water	----	----	----	----	----	----
Analyte	CAS Number	Method/Lab	Unit	CG2401895-001	-----	-----	-----	-----	-----	-----	-----
<b>Volatile Organic Compounds [Drycleaning]</b>											
Dichloropropylene, trans-1,3-	10061-02-6	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Tetrachloroethylene	127-18-4	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Trichloroethane, 1,1,1-	71-55-6	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Trichloroethylene	79-01-6	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Vinyl chloride	75-01-4	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
<b>Volatile Organic Compounds [Fuels]</b>											
Benzene	71-43-2	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Dibromoethane, 1,2-	106-93-4	E611F/CG	µg/L	<0.20	----	----	----	----	----	----	----
Ethylbenzene	100-41-4	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Hexane, n-	110-54-3	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Isopropylbenzene	98-82-8	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Methyl-tert-butyl ether [MTBE]	1634-04-4	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Styrene	100-42-5	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Toluene	108-88-3	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Trimethylbenzene, 1,2,4-	95-63-6	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Trimethylbenzene, 1,3,5-	108-67-8	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
Xylene, m+p-	179601-23-1	E611F/CG	µg/L	<0.40	----	----	----	----	----	----	----
Xylene, o-	95-47-6	E611F/CG	µg/L	<0.30	----	----	----	----	----	----	----
Xylenes, total	1330-20-7	E611F/CG	µg/L	<0.50	----	----	----	----	----	----	----
<b>Volatile Organic Compounds [THMs]</b>											
Bromodichloromethane	75-27-4	E611B/CG	µg/L	4.2	----	----	----	----	----	----	----
Bromoform	75-25-2	E611B/CG	µg/L	<1.0	----	----	----	----	----	----	----
Chloroform	67-66-3	E611B/CG	µg/L	7.4	----	----	----	----	----	----	----
Dibromochloromethane	124-48-1	E611B/CG	µg/L	3.9	----	----	----	----	----	----	----
Trihalomethanes [THMs], total	----	E611B/CG	µg/L	15.5	----	----	----	----	----	----	----
<b>Volatile Organic Compounds Surrogates</b>											
Bromofluorobenzene, 4-	460-00-4	E611F/CG	%	88.0	----	----	----	----	----	----	----
Difluorobenzene, 1,4-	540-36-3	E611F/CG	%	94.4	----	----	----	----	----	----	----



## Analytical Results Evaluation

Matrix: Water				Client sample ID	SCHEDULE 4	----	----	----	----	----	----
				Sampling date/time	15-Feb-2024 10:00	----	----	----	----	----	----
				Sub-Matrix	Water	----	----	----	----	----	----
Analyte	CAS Number	Method/Lab	Unit	CG2401895-001	-----	-----	-----	-----	-----	-----	-----
<b>Polycyclic Aromatic Hydrocarbons</b>											
<b>Benzo(a)pyrene</b>	50-32-8	E641A/CG	µg/L	<0.0050	----	----	----	----	----	----	----
<b>Polycyclic Aromatic Hydrocarbons Surrogates</b>											
<b>Chrysene-d12</b>	1719-03-5	E641A/CG	%	76.5	----	----	----	----	----	----	----
<b>Naphthalene-d8</b>	1146-65-2	E641A/CG	%	104	----	----	----	----	----	----	----
<b>Phenanthrene-d10</b>	1517-22-2	E641A/CG	%	94.8	----	----	----	----	----	----	----
<b>Disinfectant By-Products</b>											
<b>Bromate</b>	15541-45-4	E722A/WT	mg/L	0.00164	----	----	----	----	----	----	----
<b>Chlorate</b>	14866-68-3	E409.CLO3/WT	mg/L	0.154	----	----	----	----	----	----	----
<b>Chlorite</b>	14998-27-7	E409.CLO2/WT	mg/L	<0.010	----	----	----	----	----	----	----
<b>Haloacetic Acids</b>											
<b>Bromochloroacetic acid</b>	5589-96-8	E750/WT	µg/L	1.81	----	----	----	----	----	----	----
<b>Dibromoacetic acid</b>	631-64-1	E750/WT	µg/L	<1.00	----	----	----	----	----	----	----
<b>Dichloroacetic acid</b>	79-43-6	E750/WT	µg/L	3.06	----	----	----	----	----	----	----
<b>Monobromoacetic acid</b>	79-08-3	E750/WT	µg/L	<1.00	----	----	----	----	----	----	----
<b>Monochloroacetic acid</b>	79-11-8	E750/WT	µg/L	<1.00	----	----	----	----	----	----	----
<b>Trichloroacetic acid</b>	76-03-9	E750/WT	µg/L	2.88	----	----	----	----	----	----	----
<b>Haloacetic acids, total [HAA5]</b>	n/a	E750/WT	µg/L	5.94	----	----	----	----	----	----	----
<b>Semi-Volatile Organics</b>											
<b>Nitrosodimethylamine, N- [NDMA]</b>	62-75-9	E725-T/WT	µg/L	<0.00117 <sup>DLB</sup>	----	----	----	----	----	----	----
<b>Chlorinated Phenolics</b>											
<b>Dichlorophenol, 2,4-</b>	120-83-2	E651C/WT	µg/L	<0.20	----	----	----	----	----	----	----
<b>Pentachlorophenol [PCP]</b>	87-86-5	E651C/WT	µg/L	<0.50	----	----	----	----	----	----	----
<b>Tetrachlorophenol, 2,3,4,6-</b>	58-90-2	E651C/WT	µg/L	<0.50	----	----	----	----	----	----	----
<b>Trichlorophenol, 2,4,6-</b>	88-06-2	E651C/WT	µg/L	<0.50	----	----	----	----	----	----	----
<b>Phenolics Surrogates</b>											
<b>Tribromophenol, 2,4,6-</b>	118-79-6	E651C/WT	%	90.9	----	----	----	----	----	----	----
<b>Organochlorine Pesticides</b>											



## Analytical Results Evaluation

Matrix: Water				Client sample ID	SCHEDULE 4	----	----	----	----	----	----
				Sampling date/time	15-Feb-2024 10:00	----	----	----	----	----	----
				Sub-Matrix	Water	----	----	----	----	----	----
Analyte	CAS Number	Method/Lab	Unit	CG2401895-001	-----	-----	-----	-----	-----	-----	-----
<b>Organochlorine Pesticides</b>											
Aldrin	309-00-2	E660F/WT	µg/L	<0.0080	----	----	----	----	----	----	----
Chlordane, cis- (alpha)	5103-71-9	E660F/WT	µg/L	<0.0080	----	----	----	----	----	----	----
Chlordane, total	57-74-9	E660F/WT	µg/L	<0.011	----	----	----	----	----	----	----
Chlordane, trans- (gamma)	5103-74-2	E660F/WT	µg/L	<0.0080	----	----	----	----	----	----	----
DDD, 2,4'-	53-19-0	E660F/WT	µg/L	<0.0040	----	----	----	----	----	----	----
DDD, 4,4'-	72-54-8	E660F/WT	µg/L	<0.0040	----	----	----	----	----	----	----
DDD, total	----	E660F/WT	µg/L	<0.0060	----	----	----	----	----	----	----
DDE, 2,4'-	3424-82-6	E660F/WT	µg/L	<0.0040	----	----	----	----	----	----	----
DDE, 4,4'-	72-55-9	E660F/WT	µg/L	<0.0040	----	----	----	----	----	----	----
DDE, total	----	E660F/WT	µg/L	<0.0060	----	----	----	----	----	----	----
DDT, 2,4'-	789-02-6	E660F/WT	µg/L	<0.0040	----	----	----	----	----	----	----
DDT, 4,4'-	50-29-3	E660F/WT	µg/L	<0.0040	----	----	----	----	----	----	----
DDT, total	----	E660F/WT	µg/L	<0.0060	----	----	----	----	----	----	----
Dieldrin	60-57-1	E660F/WT	µg/L	<0.0080	----	----	----	----	----	----	----
Endosulfan sulfate	1031-07-8	E660F/WT	µg/L	<0.0070	----	----	----	----	----	----	----
Endosulfan, alpha-	959-98-8	E660F/WT	µg/L	<0.0070	----	----	----	----	----	----	----
Endosulfan, beta-	33213-65-9	E660F/WT	µg/L	<0.0070	----	----	----	----	----	----	----
Endosulfan, total	----	E660F/WT	µg/L	<0.010	----	----	----	----	----	----	----
Endrin	72-20-8	E660F/WT	µg/L	<0.010	----	----	----	----	----	----	----
Endrin aldehyde	7421-93-4	E660F/WT	µg/L	<0.010	----	----	----	----	----	----	----
Heptachlor	76-44-8	E660F/WT	µg/L	<0.0080	----	----	----	----	----	----	----
Heptachlor epoxide	1024-57-3	E660F/WT	µg/L	<0.0080	----	----	----	----	----	----	----
Hexachlorobenzene	118-74-1	E660F/WT	µg/L	<0.0080	----	----	----	----	----	----	----
Hexachlorobutadiene	87-68-3	E660F/WT	µg/L	<0.0080	----	----	----	----	----	----	----
Hexachlorocyclohexane, alpha-	319-84-6	E660F/WT	µg/L	<0.0080	----	----	----	----	----	----	----
Hexachlorocyclohexane, beta-	319-85-7	E660F/WT	µg/L	<0.0080	----	----	----	----	----	----	----
Hexachlorocyclohexane, delta-	319-86-8	E660F/WT	µg/L	<0.0080	----	----	----	----	----	----	----
Hexachlorocyclohexane, gamma-	58-89-9	E660F/WT	µg/L	<0.0080	----	----	----	----	----	----	----
Hexachlorocyclohexane, total	608-73-1	E660F/WT	µg/L	<0.016	----	----	----	----	----	----	----



## Analytical Results Evaluation

Matrix: Water				Client sample ID	SCHEDULE 4	----	----	----	----	----	----
				Sampling date/time	15-Feb-2024 10:00	----	----	----	----	----	----
				Sub-Matrix	Water	----	----	----	----	----	----
Analyte	CAS Number	Method/Lab	Unit	CG2401895-001	-----	-----	-----	-----	-----	-----	-----
<b>Organochlorine Pesticides</b>											
Hexachloroethane	67-72-1	E660F/WT	µg/L	<0.0080	----	----	----	----	----	----	----
Methoxychlor	72-43-5	E660F/WT	µg/L	<0.0080	----	----	----	----	----	----	----
Mirex	2385-85-5	E660F/WT	µg/L	<0.0080	----	----	----	----	----	----	----
Nonachlor, trans-	39765-80-5	E660F/WT	µg/L	<0.010	----	----	----	----	----	----	----
Oxychlorodane	27304-13-8	E660F/WT	µg/L	<0.0080	----	----	----	----	----	----	----
Pentachloronitrobenzene	82-68-8	E660F/WT	µg/L	<0.010	----	----	----	----	----	----	----
Aldrin + Dieldrin	----	E660F/WT	µg/L	<0.011	----	----	----	----	----	----	----
DDT + metabolites, total	----	E660F/WT	µg/L	<0.010	----	----	----	----	----	----	----
Heptachlor + Heptachlor epoxide	n/a	E660F/WT	µg/L	<0.011	----	----	----	----	----	----	----
<b>Organochlorine Pesticides Surrogates</b>											
Decachlorobiphenyl	2051-24-3	E660F/WT	%	108	----	----	----	----	----	----	----
Tetrachloro-m-xylene	877-09-8	E660F/WT	%	106	----	----	----	----	----	----	----
<b>Herbicides</b>											
Acetic acid, 2-methyl-4-chlorophenoxy- [MCPA]	94-74-6	E706A/WT	µg/L	<0.050	----	----	----	----	----	----	----
Alachlor	15972-60-8	E755/WT	µg/L	<0.050	----	----	----	----	----	----	----
Ametryn	834-12-8	E755/WT	µg/L	<0.0250	----	----	----	----	----	----	----
Asulam	3337-71-1	E706A/WT	µg/L	<0.010	----	----	----	----	----	----	----
Atrazine	1912-24-9	E755/WT	µg/L	<0.050	----	----	----	----	----	----	----
Atrazine + metabolites, total	----	E755/WT	µg/L	<0.450	----	----	----	----	----	----	----
Atrazine + N-dealkylated metabolites	----	E755/WT	µg/L	<0.10	----	----	----	----	----	----	----
Atrazine, 2-hydroxy-	2163-68-0	E755/WT	µg/L	<0.050	----	----	----	----	----	----	----
Atrazine-desethyl	6190-65-4	E755/WT	µg/L	<0.0250	----	----	----	----	----	----	----
Atrazine-desethyl-desisopropyl	3397-62-4	E755/WT	µg/L	<0.40	----	----	----	----	----	----	----
Atrazine-desisopropyl	1007-28-9	E755/WT	µg/L	<0.050	----	----	----	----	----	----	----
Brodifacoum	56073-10-0	E706A/WT	µg/L	<0.010	----	----	----	----	----	----	----
Bromacil	314-40-9	E706A/WT	µg/L	<0.10	----	----	----	----	----	----	----
Bromoxynil	1689-84-5	E706A/WT	µg/L	<0.050	----	----	----	----	----	----	----



## Analytical Results Evaluation

Matrix: Water				Client sample ID	SCHEDULE 4	----	----	----	----	----	----
				Sampling date/time	15-Feb-2024 10:00	----	----	----	----	----	----
				Sub-Matrix	Water	----	----	----	----	----	----
Analyte	CAS Number	Method/Lab	Unit	CG2401895-001	-----	-----	-----	-----	-----	-----	-----
<b>Herbicides</b>											
<b>Butanoic acid, 4-(4-chloro-2-methylphenoxy)- [MCPB]</b>	94-81-5	E706A/WT	µg/L	<0.050	----	----	----	----	----	----	----
<b>Clopyralid</b>	1702-17-6	E706A/WT	µg/L	<0.10	----	----	----	----	----	----	----
<b>Cyanazine</b>	21725-46-2	E755/WT	µg/L	<0.100	----	----	----	----	----	----	----
<b>Dicamba</b>	1918-00-9	E706A/WT	µg/L	<0.10	----	----	----	----	----	----	----
<b>Dichlorophenoxy(2,4-)butyric acid, 4- [2,4-DB]</b>	94-82-6	E706A/WT	µg/L	<0.050	----	----	----	----	----	----	----
<b>Dichlorophenoxyacetic acid, 2,4- [2,4-D]</b>	94-75-7	E706A/WT	µg/L	<0.050	----	----	----	----	----	----	----
<b>Dichlorprop [2,4-DP]</b>	120-36-5	E706A/WT	µg/L	<0.050	----	----	----	----	----	----	----
<b>Diclofop-methyl</b>	51338-27-3	E755/WT	µg/L	<0.100	----	----	----	----	----	----	----
<b>Diffufenican</b>	83164-33-4	E706A/WT	µg/L	<0.010	----	----	----	----	----	----	----
<b>Dinoseb</b>	88-85-7	E706A/WT	µg/L	<0.050	----	----	----	----	----	----	----
<b>Diquat (ion)</b>	2764-72-9	E723A/WT	µg/L	<1.0	----	----	----	----	----	----	----
<b>Diuron</b>	330-54-1	E755/WT	µg/L	<0.050	----	----	----	----	----	----	----
<b>Fluazifop-p-butyl</b>	79241-46-6	E755/WT	µg/L	<0.0250	----	----	----	----	----	----	----
<b>Glyphosate</b>	1071-83-6	E716A/WT	µg/L	<0.20	----	----	----	----	----	----	----
<b>Linuron</b>	330-55-2	E706A/WT	µg/L	<0.10	----	----	----	----	----	----	----
<b>Mecoprop [MCPP]</b>	95-65-2	E706A/WT	µg/L	<0.050	----	----	----	----	----	----	----
<b>Metribuzin</b>	21087-64-9	E755/WT	µg/L	<0.100	----	----	----	----	----	----	----
<b>Nicarbazin</b>	330-95-0	E706A/WT	µg/L	<0.010	----	----	----	----	----	----	----
<b>Oryzalin</b>	19044-88-3	E706A/WT	µg/L	<0.050	----	----	----	----	----	----	----
<b>Paraquat (as dichloride)</b>	1910-42-5	E723A/WT	µg/L	<1.0	----	----	----	----	----	----	----
<b>Picloram</b>	1918-02-1	E706A/WT	µg/L	<0.10	----	----	----	----	----	----	----
<b>Prometon</b>	1610-18-0	E755/WT	µg/L	<0.0250	----	----	----	----	----	----	----
<b>Propanil</b>	709-98-8	E706A/WT	µg/L	<0.010	----	----	----	----	----	----	----
<b>Propazine</b>	139-40-2	E755/WT	µg/L	<0.0250	----	----	----	----	----	----	----
<b>Simazine</b>	122-34-9	E755/WT	µg/L	<0.100	----	----	----	----	----	----	----
<b>Terbacil</b>	5902-51-2	E706A/WT	µg/L	<0.010	----	----	----	----	----	----	----
<b>Terbutryn</b>	886-50-0	E755/WT	µg/L	<0.0250	----	----	----	----	----	----	----
<b>Triallate</b>	2303-17-5	E755/WT	µg/L	<0.100	----	----	----	----	----	----	----



## Analytical Results Evaluation

Matrix: Water				Client sample ID	SCHEDULE 4	----	----	----	----	----	----
				Sampling date/time	15-Feb-2024 10:00	----	----	----	----	----	----
				Sub-Matrix	Water	----	----	----	----	----	----
Analyte	CAS Number	Method/Lab	Unit	CG2401895-001	-----	-----	-----	-----	-----	-----	-----
<b>Herbicides</b>											
Trichlorophenoxyacetic acid, 2,4,5- [2,4,5-T]	93-76-5	E706A/WT	µg/L	<0.050	----	----	----	----	----	----	----
Trichlorophenoxypropionic acid, 2,4,5- [2,4,5-TP]	93-72-1	E706A/WT	µg/L	<0.050	----	----	----	----	----	----	----
Triclopyr	55335-06-3	E706A/WT	µg/L	<0.050	----	----	----	----	----	----	----
Trifluralin	1582-09-8	E756/WT	µg/L	<0.10	----	----	----	----	----	----	----
<b>Herbicides Surrogates</b>											
Dichlorophenylacetic acid, 2,4-	19719-28-9	E706A/WT	%	113	----	----	----	----	----	----	----
<b>Insecticides</b>											
Azinphos-methyl	86-50-0	E755/WT	µg/L	<0.100	----	----	----	----	----	----	----
Bendiocarb	22781-23-3	E755/WT	µg/L	<0.0250	----	----	----	----	----	----	----
Carbaryl	63-25-2	E755/WT	µg/L	<0.050	----	----	----	----	----	----	----
Carbofuran	1563-66-2	E755/WT	µg/L	<0.0250	----	----	----	----	----	----	----
Chlorpyrifos	2921-88-2	E756/WT	µg/L	<0.10	----	----	----	----	----	----	----
Diazinon	333-41-5	E755/WT	µg/L	<0.0250	----	----	----	----	----	----	----
Dimethoate	60-51-5	E755/WT	µg/L	<0.050	----	----	----	----	----	----	----
Malathion	121-75-5	E755/WT	µg/L	<0.0250	----	----	----	----	----	----	----
Parathion	56-38-2	E756/WT	µg/L	<0.10	----	----	----	----	----	----	----
Parathion-methyl	298-00-0	E756/WT	µg/L	<0.10	----	----	----	----	----	----	----
Phorate	298-02-2	E755/WT	µg/L	<0.250	----	----	----	----	----	----	----
Temephos	3383-96-8	E755/WT	µg/L	<0.250	----	----	----	----	----	----	----
Terbufos	13071-79-9	E755/WT	µg/L	<0.50	----	----	----	----	----	----	----
<b>Nitrosamines Surrogates</b>											
Nitrosodimethylamine-d6, N-	17829-05-9	E725-T/WT	%	95.6	----	----	----	----	----	----	----
<b>Organic Parameters</b>											
Microcystin	101043-37-2	E576/WP	µg/L	<0.20	----	----	----	----	----	----	----

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

Please refer to the Accreditation section for an explanation of analyte accreditations.



### Summary of Guideline Limits

Analyte	CAS Number	Unit	CDWG AO	CDWG MAC	CDWG OG				
<b>Physical Tests</b>									
Alkalinity, bicarbonate (as HCO3)	71-52-3	mg/L	--	--	--				
Alkalinity, carbonate (as CO3)	3812-32-6	mg/L	--	--	--				
Alkalinity, hydroxide (as OH)	14280-30-9	mg/L	--	--	--				
Alkalinity, total (as CaCO3)	----	mg/L	--	--	--				
Colour, true	----	CU	<b>15 CU</b>	--	--				
Conductivity	----	µS/cm	--	--	--				
Hardness (as CaCO3), dissolved	----	mg/L	--	--	--				
pH	----	pH units	--	--	<b>7 - 10.5 pH units</b>				
Solids, total dissolved [TDS], calculated	----	mg/L	<b>500 mg/L</b>	--	--				
<b>Anions and Nutrients</b>									
Ammonia, total (as N)	7664-41-7	mg/L	--	--	--				
Chloride	16887-00-6	mg/L	<b>250 mg/L</b>	--	--				
Fluoride	16984-48-8	mg/L	--	<b>1.5 mg/L</b>	--				
Nitrate (as N)	14797-55-8	mg/L	--	<b>10 mg/L</b>	--				
Nitrate + Nitrite (as N)	----	mg/L	--	<b>10 mg/L</b>	--				
Nitrite (as N)	14797-65-0	mg/L	--	<b>1 mg/L</b>	--				
Sulfate (as SO4)	14808-79-8	mg/L	<b>500 mg/L</b>	--	--				
<b>Cyanides</b>									
Cyanide, strong acid dissociable (Total)	----	mg/L	--	--	--				
<b>Organic / Inorganic Carbon</b>									
Carbon, total organic [TOC]	----	mg/L	--	--	--				
<b>Inorganics</b>									
Chloramines, total (as Cl2)	----	mg/L	--	--	--				
Chlorine, free	7782-50-5	mg/L	--	--	--				
Chlorine, total	7782-50-5	mg/L	--	--	--				
<b>Total Sulfides</b>									
Sulfide, total (as H2S)	7783-06-4	mg/L	<b>0.05 mg/L</b>	--	--				
Sulfide, total (as S)	18496-25-8	mg/L	--	--	--				
<b>Ion Balance</b>									
Anion sum	----	meq/L	--	--	--				
Cation sum	----	meq/L	--	--	--				
Ion balance (APHA)	----	%	--	--	--				
Ion balance (cations/anions)	----	%	--	--	--				
<b>Total Metals</b>									
Aluminum, total	7429-90-5	mg/L	--	<b>2.9 mg/L</b>	<b>0.1 mg/L</b>				
Antimony, total	7440-36-0	mg/L	--	<b>0.006 mg/L</b>	--				



Analyte	CAS Number	Unit	CDWG AO	CDWG MAC	CDWG OG				
<b>Total Metals - Continued</b>									
Arsenic, total	7440-38-2	mg/L	--	0.01 mg/L	--				
Barium, total	7440-39-3	mg/L	--	2 mg/L	--				
Boron, total	7440-42-8	mg/L	--	5 mg/L	--				
Cadmium, total	7440-43-9	mg/L	--	0.007 mg/L	--				
Calcium, total	7440-70-2	mg/L	--	--	--				
Chromium, total	7440-47-3	mg/L	--	0.05 mg/L	--				
Copper, total	7440-50-8	mg/L	1 mg/L	2 mg/L	--				
Iron, total	7439-89-6	mg/L	0.3 mg/L	--	--				
Lead, total	7439-92-1	mg/L	--	0.005 mg/L	--				
Magnesium, total	7439-95-4	mg/L	--	--	--				
Manganese, total	7439-96-5	mg/L	0.02 mg/L	0.12 mg/L	--				
Mercury, total	7439-97-6	mg/L	--	0.001 mg/L	--				
Nickel, total	7440-02-0	mg/L	--	--	--				
Potassium, total	7440-09-7	mg/L	--	--	--				
Selenium, total	7782-49-2	mg/L	--	0.05 mg/L	--				
Silver, total	7440-22-4	mg/L	--	--	--				
Sodium, total	7440-23-5	mg/L	200 mg/L	--	--				
Uranium, total	7440-61-1	mg/L	--	0.02 mg/L	--				
Zinc, total	7440-66-6	mg/L	5 mg/L	--	--				
<b>Dissolved Metals</b>									
Calcium, dissolved	7440-70-2	mg/L	--	--	--				
Dissolved metals filtration location	----	-	--	--	--				
Iron, dissolved	7439-89-6	mg/L	0.3 mg/L	--	--				
Magnesium, dissolved	7439-95-4	mg/L	--	--	--				
Manganese, dissolved	7439-96-5	mg/L	0.02 mg/L	0.12 mg/L	--				
Potassium, dissolved	7440-09-7	mg/L	--	--	--				
Sodium, dissolved	7440-23-5	mg/L	200 mg/L	--	--				
<b>Aggregate Organics</b>									
Nitritotriacetic acid [NTA]	139-13-9	mg/L	--	0.4 mg/L	--				
<b>Volatile Organic Compounds</b>									
Acetone	67-64-1	µg/L	--	--	--				
Bromobenzene	108-86-1	µg/L	--	--	--				
Bromochloromethane	74-97-5	µg/L	--	--	--				
Bromomethane	74-83-9	µg/L	--	--	--				
Butylbenzene, n-	104-51-8	µg/L	--	--	--				
Butylbenzene, sec-	135-98-8	µg/L	--	--	--				
Butylbenzene, tert-	98-06-6	µg/L	--	--	--				
Carbon disulfide	75-15-0	µg/L	--	--	--				
Chlorobenzene	108-90-7	µg/L	30 µg/L	--	--				





Analyte	CAS Number	Unit	CDWG AO	CDWG MAC	CDWG OG				
<b>Volatile Organic Compounds - Continued</b>									
Chloromethane	74-87-3	µg/L	--	--	--				
Chlorotoluene, 2-	95-49-8	µg/L	--	--	--				
Chlorotoluene, 4-	106-43-4	µg/L	--	--	--				
Cymene, p-	99-87-6	µg/L	--	--	--				
Dibromo-3-chloropropane, 1,2-	96-12-8	µg/L	--	--	--				
Dibromomethane	74-95-3	µg/L	--	--	--				
Dichlorobenzene, 1,2-	95-50-1	µg/L	<b>3 µg/L</b>	--	--				
Dichlorobenzene, 1,3-	541-73-1	µg/L	--	--	--				
Dichlorobenzene, 1,4-	106-46-7	µg/L	<b>1 µg/L</b>	<b>5 µg/L</b>	--				
Dichlorodifluoromethane	75-71-8	µg/L	--	--	--				
Dichloropropane, 1,2-	78-87-5	µg/L	--	--	--				
Dichloropropane, 1,3-	142-28-9	µg/L	--	--	--				
Dichloropropane, 2,2-	594-20-7	µg/L	--	--	--				
Dichloropropylene, 1,1-	563-58-6	µg/L	--	--	--				
Dichloropropylene, cis+trans-1,3-	542-75-6	µg/L	--	--	--				
Dichloropropylene, cis-1,3-	10061-01-5	µg/L	--	--	--				
Hexachlorobutadiene	87-68-3	µg/L	--	--	--				
Hexanone, 2-	591-78-6	µg/L	--	--	--				
Methyl ethyl ketone [MEK]	78-93-3	µg/L	--	--	--				
Methyl isobutyl ketone [MIBK]	108-10-1	µg/L	--	--	--				
Propylbenzene, n-	103-65-1	µg/L	--	--	--				
Tetrachloroethane, 1,1,1,2-	630-20-6	µg/L	--	--	--				
Tetrachloroethane, 1,1,2,2-	79-34-5	µg/L	--	--	--				
Trichlorobenzene, 1,2,3-	87-61-6	µg/L	--	--	--				
Trichlorobenzene, 1,2,4-	120-82-1	µg/L	--	--	--				
Trichloroethane, 1,1,2-	79-00-5	µg/L	--	--	--				
Trichlorofluoromethane	75-69-4	µg/L	--	--	--				
Trichloropropane, 1,2,3-	96-18-4	µg/L	--	--	--				
Carbon tetrachloride	56-23-5	µg/L	--	<b>5 µg/L</b>	--				
Chloroethane	75-00-3	µg/L	--	--	--				
Dichloroethane, 1,1-	75-34-3	µg/L	--	--	--				
Dichloroethane, 1,2-	107-06-2	µg/L	--	<b>5 µg/L</b>	--				
Dichloroethylene, 1,1-	75-35-4	µg/L	--	<b>14 µg/L</b>	--				
Dichloroethylene, cis-1,2-	156-59-2	µg/L	--	--	--				
Dichloroethylene, trans-1,2-	156-60-5	µg/L	--	--	--				
Dichloromethane	75-09-2	µg/L	--	<b>50 µg/L</b>	--				
Dichloropropylene, trans-1,3-	10061-02-6	µg/L	--	--	--				
Tetrachloroethylene	127-18-4	µg/L	--	<b>10 µg/L</b>	--				
Trichloroethane, 1,1,1-	71-55-6	µg/L	--	--	--				



Analyte	CAS Number	Unit	CDWG AO	CDWG MAC	CDWG OG				
<b>Volatile Organic Compounds [Drycleaning] - Continued</b>									
Trichloroethylene	79-01-6	µg/L	--	5 µg/L	--				
Vinyl chloride	75-01-4	µg/L	--	2 µg/L	--				
Benzene	71-43-2	µg/L	--	5 µg/L	--				
Dibromoethane, 1,2-	106-93-4	µg/L	--	--	--				
Ethylbenzene	100-41-4	µg/L	1.6 µg/L	140 µg/L	--				
Hexane, n-	110-54-3	µg/L	--	--	--				
Isopropylbenzene	98-82-8	µg/L	--	--	--				
Methyl-tert-butyl ether [MTBE]	1634-04-4	µg/L	15 µg/L	--	--				
Styrene	100-42-5	µg/L	--	--	--				
Toluene	108-88-3	µg/L	24 µg/L	60 µg/L	--				
Trimethylbenzene, 1,2,4-	95-63-6	µg/L	--	--	--				
Trimethylbenzene, 1,3,5-	108-67-8	µg/L	--	--	--				
Xylene, m+p-	179601-23-1	µg/L	--	--	--				
Xylene, o-	95-47-6	µg/L	--	--	--				
Xylenes, total	1330-20-7	µg/L	20 µg/L	90 µg/L	--				
Bromodichloromethane	75-27-4	µg/L	--	--	--				
Bromoform	75-25-2	µg/L	--	--	--				
Chloroform	67-66-3	µg/L	--	--	--				
Dibromochloromethane	124-48-1	µg/L	--	--	--				
Trihalomethanes [THMs], total	----	µg/L	--	100 µg/L	--				
<b>Volatile Organic Compounds Surrogates</b>									
Bromofluorobenzene, 4-	460-00-4	%	--	--	--				
Difluorobenzene, 1,4-	540-36-3	%	--	--	--				
<b>Polycyclic Aromatic Hydrocarbons</b>									
Benzo(a)pyrene	50-32-8	µg/L	--	0.04 µg/L	--				
Chrysene-d12	1719-03-5	%	--	--	--				
Naphthalene-d8	1146-65-2	%	--	--	--				
Phenanthrene-d10	1517-22-2	%	--	--	--				
<b>Disinfectant By-Products</b>									
Bromate	15541-45-4	mg/L	--	0.01 mg/L	--				
Chlorate	14866-68-3	mg/L	--	1 mg/L	--				
Chlorite	14998-27-7	mg/L	--	1 mg/L	--				
<b>Haloacetic Acids</b>									
Bromochloroacetic acid	5589-96-8	µg/L	--	--	--				
Dibromoacetic acid	631-64-1	µg/L	--	--	--				
Dichloroacetic acid	79-43-6	µg/L	--	--	--				
Haloacetic acids, total [HAA5]	n/a	µg/L	--	80 µg/L	--				
Monobromoacetic acid	79-08-3	µg/L	--	--	--				
Monochloroacetic acid	79-11-8	µg/L	--	--	--				



Analyte	CAS Number	Unit	CDWG AO	CDWG MAC	CDWG OG				
<b>Haloacetic Acids - Continued</b>									
Trichloroacetic acid	76-03-9	µg/L	--	--	--				
<b>Semi-Volatile Organics</b>									
Nitrosodimethylamine, N- [NDMA]	62-75-9	µg/L	--	0.04 µg/L	--				
<b>Chlorinated Phenolics</b>									
Dichlorophenol, 2,4-	120-83-2	µg/L	0.3 µg/L	--	--				
Pentachlorophenol [PCP]	87-86-5	µg/L	30 µg/L	60 µg/L	--				
Tetrachlorophenol, 2,3,4,6-	58-90-2	µg/L	1 µg/L	--	--				
Trichlorophenol, 2,4,6-	88-06-2	µg/L	2 µg/L	5 µg/L	--				
Tribromophenol, 2,4,6-	118-79-6	%	--	--	--				
<b>Organochlorine Pesticides</b>									
Aldrin + Dieldrin	----	µg/L	--	--	--				
Aldrin	309-00-2	µg/L	--	--	--				
Chlordane, cis- (alpha)	5103-71-9	µg/L	--	--	--				
Chlordane, total	57-74-9	µg/L	--	--	--				
Chlordane, trans- (gamma)	5103-74-2	µg/L	--	--	--				
DDD, 2,4'-	53-19-0	µg/L	--	--	--				
DDD, 4,4'-	72-54-8	µg/L	--	--	--				
DDD, total	----	µg/L	--	--	--				
DDE, 2,4'-	3424-82-6	µg/L	--	--	--				
DDE, 4,4'-	72-55-9	µg/L	--	--	--				
DDE, total	----	µg/L	--	--	--				
DDT + metabolites, total	----	µg/L	--	--	--				
DDT, 2,4'-	789-02-6	µg/L	--	--	--				
DDT, 4,4'-	50-29-3	µg/L	--	--	--				
DDT, total	----	µg/L	--	--	--				
Dieldrin	60-57-1	µg/L	--	--	--				
Endosulfan sulfate	1031-07-8	µg/L	--	--	--				
Endosulfan, alpha-	959-98-8	µg/L	--	--	--				
Endosulfan, beta-	33213-65-9	µg/L	--	--	--				
Endosulfan, total	----	µg/L	--	--	--				
Endrin aldehyde	7421-93-4	µg/L	--	--	--				
Endrin	72-20-8	µg/L	--	--	--				
Heptachlor + Heptachlor epoxide	n/a	µg/L	--	--	--				
Heptachlor epoxide	1024-57-3	µg/L	--	--	--				
Heptachlor	76-44-8	µg/L	--	--	--				
Hexachlorobenzene	118-74-1	µg/L	--	--	--				
Hexachlorobutadiene	87-68-3	µg/L	--	--	--				
Hexachlorocyclohexane, alpha-	319-84-6	µg/L	--	--	--				
Hexachlorocyclohexane, beta-	319-85-7	µg/L	--	--	--				



Analyte	CAS Number	Unit	CDWG AO	CDWG MAC	CDWG OG				
<b>Organochlorine Pesticides - Continued</b>									
Hexachlorocyclohexane, delta-	319-86-8	µg/L	--	--	--				
Hexachlorocyclohexane, gamma-	58-89-9	µg/L	--	--	--				
Hexachlorocyclohexane, total	608-73-1	µg/L	--	--	--				
Hexachloroethane	67-72-1	µg/L	--	--	--				
Methoxychlor	72-43-5	µg/L	--	--	--				
Mirex	2385-85-5	µg/L	--	--	--				
Nonachlor, trans-	39765-80-5	µg/L	--	--	--				
Oxychlorane	27304-13-8	µg/L	--	--	--				
Pentachloronitrobenzene	82-68-8	µg/L	--	--	--				
Decachlorobiphenyl	2051-24-3	%	--	--	--				
Tetrachloro-m-xylene	877-09-8	%	--	--	--				
<b>Herbicides</b>									
Acetic acid, 2-methyl-4-chlorophenoxy- [MCPA]	94-74-6	µg/L	--	350 µg/L	--				
Alachlor	15972-60-8	µg/L	--	--	--				
Ametryn	834-12-8	µg/L	--	--	--				
Asulam	3337-71-1	µg/L	--	--	--				
Atrazine + metabolites, total	----	µg/L	--	--	--				
Atrazine + N-dealkylated metabolites	----	µg/L	--	5 µg/L	--				
Atrazine, 2-hydroxy-	2163-68-0	µg/L	--	--	--				
Atrazine	1912-24-9	µg/L	--	--	--				
Atrazine-desethyl	6190-65-4	µg/L	--	--	--				
Atrazine-desethyl-desisopropyl	3397-62-4	µg/L	--	--	--				
Atrazine-desisopropyl	1007-28-9	µg/L	--	--	--				
Brodifacoum	56073-10-0	µg/L	--	--	--				
Bromacil	314-40-9	µg/L	--	--	--				
Bromoxynil	1689-84-5	µg/L	--	30 µg/L	--				
Butanoic acid, 4-(4-chloro-2-methylphenoxy)- [MCPB]	94-81-5	µg/L	--	--	--				
Clopyralid	1702-17-6	µg/L	--	--	--				
Cyanazine	21725-46-2	µg/L	--	--	--				
Dicamba	1918-00-9	µg/L	--	110 µg/L	--				
Dichlorophenoxy(2,4-)butyric acid, 4- [2,4-DB]	94-82-6	µg/L	--	--	--				
Dichlorophenoxyacetic acid, 2,4- [2,4-D]	94-75-7	µg/L	--	100 µg/L	--				
Dichlorprop [2,4-DP]	120-36-5	µg/L	--	--	--				
Diclofop-methyl	51338-27-3	µg/L	--	--	--				
Diflufenican	83164-33-4	µg/L	--	--	--				
Dinoseb	88-85-7	µg/L	--	--	--				
Diquat (ion)	2764-72-9	µg/L	--	70 µg/L	--				
Diuron	330-54-1	µg/L	--	--	--				
Fluazifop-p-butyl	79241-46-6	µg/L	--	--	--				



Analyte	CAS Number	Unit	CDWG AO	CDWG MAC	CDWG OG				
<b>Herbicides - Continued</b>									
Glyphosate	1071-83-6	µg/L	--	280 µg/L	--				
Linuron	330-55-2	µg/L	--	--	--				
Mecoprop [MCPP]	95-65-2	µg/L	--	--	--				
Metribuzin	21087-64-9	µg/L	--	80 µg/L	--				
Nicarbazin	330-95-0	µg/L	--	--	--				
Oryzalin	19044-88-3	µg/L	--	--	--				
Paraquat (as dichloride)	1910-42-5	µg/L	--	--	--				
Picloram	1918-02-1	µg/L	--	--	--				
Prometon	1610-18-0	µg/L	--	--	--				
Propanil	709-98-8	µg/L	--	--	--				
Propazine	139-40-2	µg/L	--	--	--				
Simazine	122-34-9	µg/L	--	--	--				
Terbacil	5902-51-2	µg/L	--	--	--				
Terbutryn	886-50-0	µg/L	--	--	--				
Triallate	2303-17-5	µg/L	--	--	--				
Trichlorophenoxyacetic acid, 2,4,5- [2,4,5-T]	93-76-5	µg/L	--	--	--				
Trichlorophenoxypropionic acid, 2,4,5- [2,4,5-TP]	93-72-1	µg/L	--	--	--				
Triclopyr	55335-06-3	µg/L	--	--	--				
Trifluralin	1582-09-8	µg/L	--	--	--				
Dichlorophenylacetic acid, 2,4-	19719-28-9	%	--	--	--				
<b>Insecticides</b>									
Azinphos-methyl	86-50-0	µg/L	--	--	--				
Bendiocarb	22781-23-3	µg/L	--	--	--				
Carbaryl	63-25-2	µg/L	--	--	--				
Carbofuran	1563-66-2	µg/L	--	--	--				
Chlorpyrifos	2921-88-2	µg/L	--	90 µg/L	--				
Diazinon	333-41-5	µg/L	--	--	--				
Dimethoate	60-51-5	µg/L	--	20 µg/L	--				
Malathion	121-75-5	µg/L	--	290 µg/L	--				
Parathion	56-38-2	µg/L	--	--	--				
Parathion-methyl	298-00-0	µg/L	--	--	--				
Phorate	298-02-2	µg/L	--	--	--				
Temephos	3383-96-8	µg/L	--	--	--				
Terbufos	13071-79-9	µg/L	--	--	--				
<b>Nitrosamines Surrogates</b>									
Nitrosodimethylamine-d6, N-	17829-05-9	%	--	--	--				
<b>Organic Parameters</b>									
Microcystin	101043-37-2	µg/L	--	1.5 µg/L	--				

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



**Key:**

CDWG	Canada Guidelines for Canadian Drinking Water Quality (JAN, 2023)
AO	Aesthetic Objective
MAC	Maximum Acceptable Concentrations
OG	Operational Guidance