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CERTIFICATE OF ANALYSIS (GUIDELINE EVALUATION)

Work Order	: **CG2501346**	Page	: 1 of 21
Client	: **North Springbank Water Coop Limited**	Laboratory	: ALS Environmental - Calgary
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 S4 Q1 2025 NSWC	Date Samples Received	: 05-Feb-2025 10:40
PO	: BARRY 25 S4 Q1	Date Analysis Commenced	: 05-Feb-2025
C-O-C number	: ----	Issue Date	: 19-Feb-2025 08:24
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*
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Harpreet Chawla	Team Leader - Inorganics	Inorganics, Calgary, Alberta
Harpreet Chawla	Team Leader - Inorganics	Metals, Calgary, Alberta
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Shirley Li	Team Leader - Inorganics	Metals, Calgary, Alberta
Stephanie Pinheiro	Team Leader - LCMS	LCMS, Waterloo, Ontario
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 Q1 2025 NSWC	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	601 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.

Workorder Comments

CG2501346-001 - RRQC/RRR; d14-Terphenyl surrogate is outside of ALS control limits. Associated non-detect results are reliable.

Qualifiers

Qualifier	Description
DLDS	Detection Limit Raised: Dilution required due to high Dissolved Solids / Electrical Conductivity.
DLI	Detection Limit Raised: Dilution required to address Internal Standard response problems caused by matrix interference.
RRR	Refer to report comments for issues regarding this analysis.
SUR-ND	Surrogate recovery marginally exceeded ALS DQO. Reported non-detect results for associated samples were deemed to be unaffected.

Analytical Results Evaluation

Matrix: **Water**

Analyte	CAS Number	Method/Lab	Unit	Client sample ID	----	----	----	----	----	----
				SCHEDULE 4 Q1 2025 NSWC	----	----	----	----	----	----
				Sampling date/time: 05-Feb-2025 09:10	----	----	----	----	----	----
				Sub-Matrix: Water	----	----	----	----	----	----
				CG2501346-001	--------	--------	--------	--------	--------	--------
Physical Tests										
Colour, true	----	E329/CG	CU	<5.0	----	----	----	----	----	----
Hardness (as CaCO3), dissolved	----	EC100/CG	mg/L	144	----	----	----	----	----	----
Conductivity	----	E100/CG	µS/cm	930	----	----	----	----	----	----
pH	----	E108/CG	pH units	8.09	----	----	----	----	----	----
Alkalinity, bicarbonate (as HCO3)	71-52-3	E290/CG	mg/L	395	----	----	----	----	----	----
Alkalinity, carbonate (as CO3)	3812-32-6	E290/CG	mg/L	<1.0	----	----	----	----	----	----
Alkalinity, hydroxide (as OH)	14280-30-9	E290/CG	mg/L	<1.0	----	----	----	----	----	----
Alkalinity, total (as CaCO3)	----	E290/CG	mg/L	324	----	----	----	----	----	----
Solids, total dissolved [TDS], calculated	----	EC103/CG	mg/L	601	----	----	----	----	----	----
Anions and Nutrients										
Ammonia, total (as N)	7664-41-7	E298/CG	mg/L	0.0072	----	----	----	----	----	----
Chloride	16887-00-6	E235.Cl/CG	mg/L	14.8	----	----	----	----	----	----
Fluoride	16984-48-8	E235.F/CG	mg/L	0.565	----	----	----	----	----	----
Nitrate (as N)	14797-55-8	E235.NO3/CG	mg/L	0.525	----	----	----	----	----	----
Nitrite (as N)	14797-65-0	E235.NO2/CG	mg/L	<0.050 DLDS	----	----	----	----	----	----
Sulfate (as SO4)	14808-79-8	E235.SO4/CG	mg/L	180	----	----	----	----	----	----
Nitrate + Nitrite (as N)	----	EC235.N+N/CG	mg/L	0.525	----	----	----	----	----	----
Cyanides										
Cyanide, strong acid dissociable (Total)	----	E333/WT	mg/L	<0.0020	----	----	----	----	----	----
Organic / Inorganic Carbon										
Carbon, total organic [TOC]	----	E355-L/CG	mg/L	1.82	----	----	----	----	----	----
Inorganics										
Chlorine, total	7782-50-5	E326-H/CG	mg/L	0.77	----	----	----	----	----	----
Chlorine, free	7782-50-5	E327-H/CG	mg/L	0.67	----	----	----	----	----	----
Chloramines, total (as Cl2)	----	EC326/CG	mg/L	<0.20	----	----	----	----	----	----
Total Sulfides										
Sulfide, total (as S)	18496-25-8	E395/CG	mg/L	0.0040	----	----	----	----	----	----

Analytical Results Evaluation

Matrix: **Water**

Analyte	CAS Number	Method/Lab	Unit	Client sample ID: SCHEDULE 4 Q1 2025 NSWC	----	----	----	----	----	----
				Sampling date/time: 05-Feb-2025 09:10	----	----	----	----	----	----
				Sub-Matrix: Water	----	----	----	----	----	----
				CG2501346-001	--------	--------	--------	--------	--------	--------
Total Sulfides										
Sulfide, total (as H2S)	7783-06-4	E395/CG	mg/L	0.0042	----	----	----	----	----	----
Ion Balance										
Anion sum	----	EC101/CG	meq/L	10.7	----	----	----	----	----	----
Cation sum	----	EC101/CG	meq/L	9.58	----	----	----	----	----	----
Ion balance (APHA)	----	EC101/CG	%	-5.52	----	----	----	----	----	----
Ion balance (cations/anions)	----	EC101/CG	%	89.5	----	----	----	----	----	----
Total Metals										
Aluminum, total	7429-90-5	E420/CG	mg/L	0.0031	----	----	----	----	----	----
Antimony, total	7440-36-0	E420/CG	mg/L	<0.00010	----	----	----	----	----	----
Arsenic, total	7440-38-2	E420/CG	mg/L	0.00031	----	----	----	----	----	----
Barium, total	7440-39-3	E420/CG	mg/L	0.0176	----	----	----	----	----	----
Boron, total	7440-42-8	E420/CG	mg/L	0.050	----	----	----	----	----	----
Cadmium, total	7440-43-9	E420/CG	mg/L	0.0000057	----	----	----	----	----	----
Calcium, total	7440-70-2	E420/CG	mg/L	28.8	----	----	----	----	----	----
Chromium, total	7440-47-3	E420/CG	mg/L	<0.00050	----	----	----	----	----	----
Copper, total	7440-50-8	E420/CG	mg/L	0.0220	----	----	----	----	----	----
Iron, total	7439-89-6	E420/CG	mg/L	<0.010	----	----	----	----	----	----
Lead, total	7439-92-1	E420/CG	mg/L	0.000133	----	----	----	----	----	----
Magnesium, total	7439-95-4	E420/CG	mg/L	21.4	----	----	----	----	----	----
Manganese, total	7439-96-5	E420/CG	mg/L	0.00322	----	----	----	----	----	----
Mercury, total	7439-97-6	E508/CG	mg/L	<0.0000050	----	----	----	----	----	----
Nickel, total	7440-02-0	E420/CG	mg/L	<0.00050	----	----	----	----	----	----
Potassium, total	7440-09-7	E420/CG	mg/L	2.33	----	----	----	----	----	----
Selenium, total	7782-49-2	E420/CG	mg/L	0.000286	----	----	----	----	----	----
Silver, total	7440-22-4	E420/CG	mg/L	<0.000010	----	----	----	----	----	----
Sodium, total	7440-23-5	E420/CG	mg/L	175	----	----	----	----	----	----
Uranium, total	7440-61-1	E420/CG	mg/L	0.00164	----	----	----	----	----	----
Zinc, total	7440-66-6	E420/CG	mg/L	0.0058	----	----	----	----	----	----

Analytical Results Evaluation

Matrix: **Water**

Analyte	CAS Number	Method/Lab	Unit	Client sample ID	SCHEDULE 4 Q1 2025 NSWC	----	----	----	----	----	----
				Sampling date/time	05-Feb-2025 09:10	----	----	----	----	----	----
				Sub-Matrix	Water	----	----	----	----	----	----
				CG2501346-001	--------	--------	--------	--------	--------	--------	
Dissolved Metals											
Calcium, dissolved	7440-70-2	E421/CG	mg/L	25.7	----	----	----	----	----	----	
Iron, dissolved	7439-89-6	E421/CG	mg/L	<0.010	----	----	----	----	----	----	
Magnesium, dissolved	7439-95-4	E421/CG	mg/L	19.3	----	----	----	----	----	----	
Manganese, dissolved	7439-96-5	E421/CG	mg/L	<0.00010	----	----	----	----	----	----	
Potassium, dissolved	7440-09-7	E421/CG	mg/L	2.03	----	----	----	----	----	----	
Sodium, dissolved	7440-23-5	E421/CG	mg/L	153	----	----	----	----	----	----	
Dissolved metals filtration location	----	EP421/CG	-	Field	----	----	----	----	----	----	
Aggregate Organics											
Nitrilotriacetic acid [NTA]	139-13-9	E394/WT	mg/L	<0.40	----	----	----	----	----	----	
Volatile Organic Compounds											
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**

Analyte	CAS Number	Method/Lab	Unit	Client sample ID: SCHEDULE 4 Q1 2025 NSWC	----	----	----	----	----	----
				Sampling date/time: 05-Feb-2025 09:10	----	----	----	----	----	----
				Sub-Matrix: Water	----	----	----	----	----	----
				CG2501346-001	--------	--------	--------	--------	--------	--------
Volatile Organic Compounds										
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	----	----	----	----	----	----
Volatile Organic Compounds [Drycleaning]										
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**

Analyte	CAS Number	Method/Lab	Unit	Client sample ID: SCHEDULE 4 Q1 2025 NSWC	----	----	----	----	----	----
				Sampling date/time: 05-Feb-2025 09:10	----	----	----	----	----	----
				Sub-Matrix: Water	----	----	----	----	----	----
				CG2501346-001	--------	--------	--------	--------	--------	--------
Volatile Organic Compounds [Drycleaning]										
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	----	----	----	----	----	----
Volatile Organic Compounds [Fuels]										
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	----	----	----	----	----	----
Volatile Organic Compounds Surrogates										
Bromofluorobenzene, 4-	460-00-4	E611F/CG	%	90.5	----	----	----	----	----	----
Difluorobenzene, 1,4-	540-36-3	E611F/CG	%	99.1	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons										
Benzo(a)pyrene	50-32-8	E641A/CG	µg/L	<0.0050	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons Surrogates										
Chrysene-d12	1719-03-5	E641A/CG	%	118	----	----	----	----	----	----
Naphthalene-d8	1146-65-2	E641A/CG	%	115	----	----	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A/CG	%	118	----	----	----	----	----	----

Analytical Results Evaluation

Matrix: **Water**

Analyte	CAS Number	Method/Lab	Unit	Client sample ID: SCHEDULE 4 Q1 2025 NSWC	----	----	----	----	----	----
				Sampling date/time: 05-Feb-2025 09:10	----	----	----	----	----	----
				Sub-Matrix: Water	----	----	----	----	----	----
				CG2501346-001	--------	--------	--------	--------	--------	--------
DIsinfectant By-Products										
Bromate	15541-45-4	E722A/WT	mg/L	0.00176	----	----	----	----	----	----
Chlorate	14866-68-3	E409.CLO3/WT	mg/L	0.246 DLDS	----	----	----	----	----	----
Chlorite	14998-27-7	E409.CLO2/WT	mg/L	<0.050 DLDS	----	----	----	----	----	----
Semi-Volatile Organics Surrogates										
Fluorobiphenyl, 2-	321-60-8	E625/WT	%	91.2	----	----	----	----	----	----
Nitrobenzene-d5	4165-60-0	E625/WT	%	93.8	----	----	----	----	----	----
Terphenyl-d14, p-	1718-51-0	E625/WT	%	162 RRR	----	----	----	----	----	----
Chlorinated Phenolics										
Dichlorophenol, 2,4-	120-83-2	E625/WT	µg/L	<0.20	----	----	----	----	----	----
Pentachlorophenol [PCP]	87-86-5	E625/WT	µg/L	<0.50	----	----	----	----	----	----
Tetrachlorophenol, 2,3,4,6-	58-90-2	E625/WT	µg/L	<0.50	----	----	----	----	----	----
Trichlorophenol, 2,4,6-	88-06-2	E625/WT	µg/L	<0.20	----	----	----	----	----	----
Phenolics Surrogates										
Tribromophenol, 2,4,6-	118-79-6	E625/WT	%	83.6	----	----	----	----	----	----
Organochlorine Pesticides										
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	----	----	----	----	----	----

Analytical Results Evaluation

Matrix: **Water**

Analyte	CAS Number	Method/Lab	Unit	Client sample ID: SCHEDULE 4 Q1 2025 NSWC	----	----	----	----	----	----
				Sampling date/time: 05-Feb-2025 09:10	----	----	----	----	----	----
				Sub-Matrix: Water	----	----	----	----	----	----
				CG2501346-001	--------	--------	--------	--------	--------	--------
Organochlorine Pesticides										
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	----	----	----	----	----	----
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	----	----	----	----	----	----
Oxychlordane	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	----	----	----	----	----	----
Organochlorine Pesticides Surrogates										
Decachlorobiphenyl	2051-24-3	E660F/WT	%	189 SUR-ND	----	----	----	----	----	----
Tetrachloro-m-xylene	877-09-8	E660F/WT	%	92.1	----	----	----	----	----	----

Analytical Results Evaluation

Matrix: **Water**

Analyte	CAS Number	Method/Lab	Unit	Client sample ID	SCHEDULE 4 Q1 2025 NSWC	----	----	----	----	----	----
				Sampling date/time	05-Feb-2025 09:10	----	----	----	----	----	----
				Sub-Matrix	Water	----	----	----	----	----	----
				CG2501346-001	--------	--------	--------	--------	--------	--------	
Herbicides											
Acetic acid, 2-methyl-4-chlorophenoxy- [MCPA]	94-74-6	E706A/WT	µg/L	<0.250 DLI	----	----	----	----	----	----	
Alachlor	15972-60-8	E755/WT	µg/L	<0.050	----	----	----	----	----	----	
Ametryn	834-12-8	E755/WT	µg/L	<0.025	----	----	----	----	----	----	
Asulam	3337-71-1	E706A/WT	µg/L	<0.050 DLI	----	----	----	----	----	----	
Atrazine	1912-24-9	E755/WT	µg/L	<0.050	----	----	----	----	----	----	
Atrazine + metabolites, total	----	E755/WT	µg/L	<0.45	----	----	----	----	----	----	
Atrazine + N-dealkylated metabolites	----	E755/WT	µg/L	<0.10	----	----	----	----	----	----	
Atrazine-desethyl	6190-65-4	E755/WT	µg/L	<0.025	----	----	----	----	----	----	
Brodifacoum	56073-10-0	E706A/WT	µg/L	<0.050 DLI	----	----	----	----	----	----	
Bromacil	314-40-9	E706A/WT	µg/L	<0.50 DLI	----	----	----	----	----	----	
Bromoxynil	1689-84-5	E706A/WT	µg/L	<0.250 DLI	----	----	----	----	----	----	
Butanoic acid, 4-(4-chloro-2-methylphenoxy)- [MCPB]	94-81-5	E706A/WT	µg/L	<0.250 DLI	----	----	----	----	----	----	
Clopyralid	1702-17-6	E706A/WT	µg/L	<0.50 DLI	----	----	----	----	----	----	
Cyanazine	21725-46-2	E755/WT	µg/L	<0.10	----	----	----	----	----	----	
Dicamba	1918-00-9	E706A/WT	µg/L	<0.50 DLI	----	----	----	----	----	----	
Dichlorophenoxy(2,4-)butyric acid, 4- [2,4-DB]	94-82-6	E706A/WT	µg/L	<0.250 DLI	----	----	----	----	----	----	
Dichlorophenoxyacetic acid, 2,4- [2,4-D]	94-75-7	E706A/WT	µg/L	<0.250 DLI	----	----	----	----	----	----	
Dichlorprop [2,4-DP]	120-36-5	E706A/WT	µg/L	<0.250 DLI	----	----	----	----	----	----	
Diclofop-methyl	51338-27-3	E755/WT	µg/L	<0.10	----	----	----	----	----	----	
Diflufenican	83164-33-4	E706A/WT	µg/L	<0.050 DLI	----	----	----	----	----	----	
Dinoseb	88-85-7	E706A/WT	µg/L	<0.250 DLI	----	----	----	----	----	----	
Diquat (ion)	2764-72-9	E723A/WT	µg/L	<1.0	----	----	----	----	----	----	
Diuron	330-54-1	E755/WT	µg/L	<0.050	----	----	----	----	----	----	
Fluazifop-p-butyl	79241-46-6	E755/WT	µg/L	<0.025	----	----	----	----	----	----	
Glyphosate	1071-83-6	E716A/WT	µg/L	<0.20	----	----	----	----	----	----	
Linuron	330-55-2	E706A/WT	µg/L	<0.50 DLI	----	----	----	----	----	----	
Mecoprop [MCPP]	95-65-2	E706A/WT	µg/L	<0.250 DLI	----	----	----	----	----	----	

Analytical Results Evaluation

Matrix: **Water**

Analyte	CAS Number	Method/Lab	Unit	Client sample ID: SCHEDULE 4 Q1 2025 NSWC	----	----	----	----	----	----
				Sampling date/time: 05-Feb-2025 09:10	----	----	----	----	----	----
				Sub-Matrix: Water	----	----	----	----	----	----
				CG2501346-001	--------	--------	--------	--------	--------	--------
Herbicides										
Metribuzin	21087-64-9	E755/WT	µg/L	<0.10	----	----	----	----	----	----
Nicarbazin	330-95-0	E706A/WT	µg/L	<0.050 DLI	----	----	----	----	----	----
Oryzalin	19044-88-3	E706A/WT	µg/L	<0.250 DLI	----	----	----	----	----	----
Paraquat (as dichloride)	1910-42-5	E723A/WT	µg/L	<1.0	----	----	----	----	----	----
Picloram	1918-02-1	E706A/WT	µg/L	<0.50 DLI	----	----	----	----	----	----
Prometon	1610-18-0	E755/WT	µg/L	<0.025	----	----	----	----	----	----
Propanil	709-98-8	E706A/WT	µg/L	<0.050 DLI	----	----	----	----	----	----
Propazine	139-40-2	E755/WT	µg/L	<0.025	----	----	----	----	----	----
Simazine	122-34-9	E755/WT	µg/L	<0.10	----	----	----	----	----	----
Terbacil	5902-51-2	E706A/WT	µg/L	<0.050 DLI	----	----	----	----	----	----
Terbutryn	886-50-0	E755/WT	µg/L	<0.025	----	----	----	----	----	----
Triallate	2303-17-5	E755/WT	µg/L	<0.10	----	----	----	----	----	----
Trichlorophenoxyacetic acid, 2,4,5- [2,4,5-T]	93-76-5	E706A/WT	µg/L	<0.250 DLI	----	----	----	----	----	----
Trichlorophenoxypropionic acid, 2,4,5- [2,4,5-TP]	93-72-1	E706A/WT	µg/L	<0.250 DLI	----	----	----	----	----	----
Triclopyr	55335-06-3	E706A/WT	µg/L	<0.250 DLI	----	----	----	----	----	----
Trifluralin	1582-09-8	E756/WT	µg/L	<0.10	----	----	----	----	----	----
Herbicides Surrogates										
Dichlorophenylacetic acid, 2,4-	19719-28-9	E706A/WT	%	79.4	----	----	----	----	----	----
Insecticides										
Azinphos-methyl	86-50-0	E755/WT	µg/L	<0.10	----	----	----	----	----	----
Bendiocarb	22781-23-3	E755/WT	µg/L	<0.025	----	----	----	----	----	----
Carbaryl	63-25-2	E755/WT	µg/L	<0.050	----	----	----	----	----	----
Carbofuran	1563-66-2	E755/WT	µg/L	<0.025	----	----	----	----	----	----
Chlorpyrifos	2921-88-2	E756/WT	µg/L	<0.10	----	----	----	----	----	----
Diazinon	333-41-5	E755/WT	µg/L	<0.025	----	----	----	----	----	----
Dimethoate	60-51-5	E755/WT	µg/L	<0.050	----	----	----	----	----	----
Malathion	121-75-5	E755/WT	µg/L	<0.025	----	----	----	----	----	----

Analytical Results Evaluation

Matrix: **Water**

Analyte	CAS Number	Method/Lab	Unit	Client sample ID: SCHEDULE 4 Q1 2025 NSWC	----	----	----	----	----	----
				Sampling date/time: 05-Feb-2025 09:10	----	----	----	----	----	----
				Sub-Matrix: Water	----	----	----	----	----	----
				CG2501346-001	--------	--------	--------	--------	--------	--------
Insecticides										
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	<0.25	----	----	----	----	----	----
Temephos	3383-96-8	E755/WT	µg/L	<0.25	----	----	----	----	----	----
Terbufos	13071-79-9	E755/WT	µg/L	<0.50	----	----	----	----	----	----
Nitrosamines										
Nitrosodimethylamine, N- [NDMA]	62-75-9	E725A/WT	µg/L	<0.034	----	----	----	----	----	----
Nitrosamines Surrogates										
Nitrosodimethylamine-d6, N-	17829-05-9	E725A/WT	%	109	----	----	----	----	----	----
Organic Parameters										
Microcystin	101043-37-2	E576/WP	µg/L	<0.15	----	----	----	----	----	----

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
Physical Tests					
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	**15 CU**	--	--
Conductivity	----	µS/cm	--	--	--
Hardness (as CaCO3), dissolved	----	mg/L	--	--	--
pH	----	pH units	--	--	**7 - 10.5 pH units**
Solids, total dissolved [TDS], calculated	----	mg/L	**500 mg/L**	--	--
Anions and Nutrients					
Ammonia, total (as N)	7664-41-7	mg/L	--	--	--
Chloride	16887-00-6	mg/L	**250 mg/L**	--	--
Fluoride	16984-48-8	mg/L	--	**1.5 mg/L**	--
Nitrate (as N)	14797-55-8	mg/L	--	**10 mg/L**	--
Nitrate + Nitrite (as N)	----	mg/L	--	**10 mg/L**	--
Nitrite (as N)	14797-65-0	mg/L	--	**1 mg/L**	--
Sulfate (as SO4)	14808-79-8	mg/L	**500 mg/L**	--	--
Cyanides					
Cyanide, strong acid dissociable (Total)	----	mg/L	--	--	--
Organic / Inorganic Carbon					
Carbon, total organic [TOC]	----	mg/L	--	--	--
Inorganics					
Chloramines, total (as Cl2)	----	mg/L	--	--	--
Chlorine, free	7782-50-5	mg/L	--	--	--
Chlorine, total	7782-50-5	mg/L	--	--	--
Total Sulfides					
Sulfide, total (as H2S)	7783-06-4	mg/L	**0.05 mg/L**	--	--
Sulfide, total (as S)	18496-25-8	mg/L	--	--	--
Ion Balance					
Anion sum	----	meq/L	--	--	--
Cation sum	----	meq/L	--	--	--
Ion balance (APHA)	----	%	--	--	--
Ion balance (cations/anions)	----	%	--	--	--
Total Metals					
Aluminum, total	7429-90-5	mg/L	--	**2.9 mg/L**	**0.1 mg/L**
Antimony, total	7440-36-0	mg/L	--	**0.006 mg/L**	--

Analyte	CAS Number	Unit	CDWG AO	CDWG MAC	CDWG OG
Total Metals - Continued					
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	**0.1 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**	--	--
Dissolved Metals					
Calcium, dissolved	7440-70-2	mg/L	--	--	--
Dissolved metals filtration location	----	-	--	--	--
Iron, dissolved	7439-89-6	mg/L	**0.1 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**	--	--
Aggregate Organics					
Nitrilotriacetic acid [NTA]	139-13-9	mg/L	--	**0.4 mg/L**	--
Volatile Organic Compounds					
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				
Volatile Organic Compounds - Continued									
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	**3 µg/L**	--	--				
Dichlorobenzene, 1,3-	541-73-1	µg/L	--	--	--				
Dichlorobenzene, 1,4-	106-46-7	µg/L	**1 µg/L**	**5 µg/L**	--				
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	--	**5 µg/L**	--				
Chloroethane	75-00-3	µg/L	--	--	--				
Dichloroethane, 1,1-	75-34-3	µg/L	--	--	--				
Dichloroethane, 1,2-	107-06-2	µg/L	--	**5 µg/L**	--				
Dichloroethylene, 1,1-	75-35-4	µg/L	--	--	--				
Dichloroethylene, cis-1,2-	156-59-2	µg/L	--	--	--				
Dichloroethylene, trans-1,2-	156-60-5	µg/L	--	--	--				
Dichloromethane	75-09-2	µg/L	--	**50 µg/L**	--				
Dichloropropylene, trans-1,3-	10061-02-6	µg/L	--	--	--				
Tetrachloroethylene	127-18-4	µg/L	--	**10 µg/L**	--				
Trichloroethane, 1,1,1-	71-55-6	µg/L	--	--	--				

Analyte	CAS Number	Unit	CDWG AO	CDWG MAC	CDWG OG				
Volatile Organic Compounds [Drycleaning] - Continued									
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**	--				
Volatile Organic Compounds Surrogates									
Bromofluorobenzene, 4-	460-00-4	%	--	--	--				
Difluorobenzene, 1,4-	540-36-3	%	--	--	--				
Polycyclic Aromatic Hydrocarbons									
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	%	--	--	--				
DIsinfectant By-Products									
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**	--				
Semi-Volatile Organics Surrogates									
Fluorobiphenyl, 2-	321-60-8	%	--	--	--				
Nitrobenzene-d5	4165-60-0	%	--	--	--				
Terphenyl-d14, p-	1718-51-0	%	--	--	--				
Chlorinated Phenolics									
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	%	--	--	--				
Organochlorine Pesticides									
Aldrin + Dieldrin	----	µg/L	--	--	--				

Analyte	CAS Number	Unit	CDWG AO	CDWG MAC	CDWG OG				
Organochlorine Pesticides - Continued									
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	--	--	--				
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	--	--	--				
Oxychlordane	27304-13-8	µg/L	--	--	--				
Pentachloronitrobenzene	82-68-8	µg/L	--	--	--				
Decachlorobiphenyl	2051-24-3	%	--	--	--				
Tetrachloro-m-xylene	877-09-8	%	--	--	--				

Analyte	CAS Number	Unit	CDWG AO	CDWG MAC	CDWG OG				
Herbicides									
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	1912-24-9	µg/L	--	--	--				
Atrazine-desethyl	6190-65-4	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	--	**50 µg/L**	--				
Diuron	330-54-1	µg/L	--	--	--				
Fluazifop-p-butyl	79241-46-6	µg/L	--	--	--				
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	--	--	--				

Analyte	CAS Number	Unit	CDWG AO	CDWG MAC	CDWG OG				
Herbicides - Continued									
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	%	--	--	--				
Insecticides									
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	--	--	--				
Nitrosamines									
Nitrosodimethylamine, N- [NDMA]	62-75-9	µg/L	--	**0.04 µg/L**	--				
Nitrosodimethylamine-d6, N-	17829-05-9	%	--	--	--				
Organic Parameters									
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 (DEC, 2024)

- AO — Aesthetic Objective
- MAC — Maximum Acceptable Concentrations
- OG — Operational Guidance