



Certificate of Analysis

AGAT WORK ORDER: 24R186006

PROJECT: Annual Treated Water 2024

2910 12TH STREET NE
CALGARY, ALBERTA
CANADA T2E 7P7
TEL (403)735-2005
FAX (403)735-2771
<http://www.agatlabs.com>

CLIENT NAME: TOWN OF SYLVAN LAKE

ATTENTION TO: Lindsey Kowalchuk

SAMPLING SITE:

SAMPLED BY:

Water Package - Routine Chemistry Water Analysis - Lab Filtered Cations+ Bromate, Chlorate

DATE RECEIVED: 2024-08-15

DATE REPORTED: 2024-08-26

		SAMPLE DESCRIPTION:		Upper Zone	Lower Zone
		SAMPLE TYPE:		Water	Water
		DATE SAMPLED:		2024-08-15 11:50	2024-08-15 11:15
Parameter	Unit	G / S	RDL	6079836	6079847
pH	pH Units	7.0-10.5	N/A	8.00	7.88
p - Alkalinity (as CaCO ₃)	mg/L		5	<5	<5
T - Alkalinity (as CaCO ₃)	mg/L		5	413	387
Bicarbonate	mg/L		5	504	473
Carbonate	mg/L		5	<5	<5
Hydroxide	mg/L		5	<5	<5
Electrical Conductivity	uS/cm		5	848	753
Chloride	mg/L	(250)	1.0	21.0	14.6
Fluoride	mg/L	1.5	0.01	0.14	0.09
Nitrate	mg/L	45	0.5	1.5	3.5
Nitrate-N	mg/L	10	0.02	0.34	0.79
Nitrite	mg/L	3	0.05	<0.05	<0.05
Nitrite-N	mg/L	1	0.01	<0.01	<0.01
Nitrate+Nitrite - Nitrogen	mg/L		0.02	0.34	0.79
Sulfate	mg/L	(500)	1.0	29.9	23.1
Dissolved Calcium	mg/L		0.07	41.2	53.7
Dissolved Magnesium	mg/L		0.05	25.5	50.1
Dissolved Sodium	mg/L	(200)	0.05	110	52.4
Dissolved Potassium	mg/L		0.05	2.23	3.01
Dissolved Iron	mg/L	(0.3)	0.001	<0.001	<0.001
Dissolved Manganese	mg/L		0.00005	0.00010	<0.00005
Sodium Adsorption Ratio				3.32	1.24
Calculated TDS	mg/L		0.6	479	433
Hardness	mg CaCO ₃ /L		0.5	208	340
Ion Balance	%		1	95	105
Lab Filtration on Routine for IC				Complete	Complete
Lab Filtration on Routine for Metals				Complete	Complete
Bromate	mg/L	0.01	0.010	<0.010	<0.010
Chlorate	mg/L	1	0.1	<0.1	0.1

Certified By: