

CERTIFICATE OF ANALYSIS

REPORTED TO	Stettler, Town of (Alberta) 5031 - 50 Street Stettler, AB_T0C 2L0		
ATTENTION	Grant McQuay	WORK ORDER	24A0313
PO NUMBER PROJECT PROJECT INFO	THM+HAA	RECEIVED / TEMP REPORTED COC NUMBER	2024-01-04 09:10 / 9.5°C 2024-01-10 11:18 No #

Introduction:

CARO Analytical Services is a testing laboratory full of smart, engaged scientists driven to make the world a safer and healthier place. Through our clients' projects we become an essential element for a better world. We employ methods conducted in accordance with recognized professional standards using accepted testing methodologies and quality control efforts. CARO is accredited by the Canadian Association for Laboratories Accreditation (CALA) to ISO/IEC 17025:2017 for specific tests listed in the scope of accreditation approved by CALA.

We've Got Chemistry

Big Picture Sidekicks



You know that the sample you collected after snowshoeing to site, digging 5 meters, and racing to get it on a plane so you can submit it to the lab for time sensitive results needed to make important and expensive decisions (whew) is VERY important. We know that too. It's simple. We figure the more you enjoy working with our fun and engaged team members; the more likely you are to give us continued opportunities to support you.

🔪 Ahea

Ahead of the Curve

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By engaging our services, you are agreeing to CARO Analytical Service's Standard Terms and Conditions outlined here: https://www.caro.ca/terms-conditions

If you have any questions or concerns, please contact me at rpshyk@caro.ca

Authorized By:

Regan Pshyk Account Manager

1-888-311-8846 | www.caro.ca #110 4011 Viking Way Richmond, BC V6V 2K9 | #102 3677 Highway 97N Kelowna, BC V1X 5C3 | 17225 109 Avenue Edmonton, AB T5S 1H7 | #108 4475 Wayburne Drive Burnaby, BC V5G 4X4



TEST RESULTS

REPORTED TO Stettler, Town of (Albe PROJECT THM+HAA					WORK ORDER REPORTED			
Analyte		Result	Guideline	RL	Units	Analyzed	Qualifier	
GT Hydraulic (24	A0313-01) Matrix: Water S	ampled: 2024	-01-03 10:49					
Calculated Parame	eters							
Total Trihalometha	anes	0.0222	MAC = 0.1	0.00400	mg/L	N/A		
Haloacetic Acids								
Monochloroacetic	Acid	< 0.0020	N/A	0.0020	mg/L	2024-01-06		
Monobromoacetic Acid		< 0.0020	N/A	0.0020	-	2024-01-06		
Dichloroacetic Acid		0.0126	N/A	0.0020	mg/L	2024-01-06		
Trichloroacetic Acid		0.0124	N/A	0.0020	mg/L	2024-01-06		
Dibromoacetic Acid		< 0.0020	N/A	0.0020	mg/L	2024-01-06		
Total Haloacetic Acids (HAA5)		0.0250	MAC = 0.08	0.00200	mg/L	N/A		
Surrogate: 2-Bromopropionic Acid		115		70-130	%	2024-01-06		
Volatile Organic Co	ompounds (VOC)							
Bromodichloromethane		0.0021	N/A	0.0010	mg/L	2024-01-09		
Bromoform		< 0.0010	N/A	0.0010	mg/L	2024-01-09		
Chloroform		0.0201	N/A	0.0010	mg/L	2024-01-09		
Dibromochloromethane		< 0.0010	N/A	0.0010	mg/L	2024-01-09		
Surrogate: Toluen	ne-d8	101		70-130	%	2024-01-09		
Surrogate: 4-Bromofluorobenzene		108		70-130	%	2024-01-09		

Turtle Club (24A0313-02) | Matrix: Water | Sampled: 2024-01-03 10:41

Calculated Parameters				
Total Trihalomethanes	0.0198	MAC = 0.1	0.00400 mg/L	N/A
Haloacetic Acids				
Monochloroacetic Acid	< 0.0020	N/A	0.0020 mg/L	2024-01-06
Monobromoacetic Acid	< 0.0020	N/A	0.0020 mg/L	2024-01-06
Dichloroacetic Acid	0.0093	N/A	0.0020 mg/L	2024-01-06
Trichloroacetic Acid	0.0099	N/A	0.0020 mg/L	2024-01-06
Dibromoacetic Acid	< 0.0020	N/A	0.0020 mg/L	2024-01-06
Total Haloacetic Acids (HAA5)	0.0193	MAC = 0.08	0.00200 mg/L	N/A
Surrogate: 2-Bromopropionic Acid	117		70-130 %	2024-01-06
Volatile Organic Compounds (VOC)				
Bromodichloromethane	0.0018	N/A	0.0010 mg/L	2024-01-09
Bromoform	< 0.0010	N/A	0.0010 mg/L	2024-01-09
Chloroform	0.0180	N/A	0.0010 mg/L	2024-01-09
Dibromochloromethane	< 0.0010	N/A	0.0010 mg/L	2024-01-09
Surrogate: Toluene-d8	103		70-130 %	2024-01-09
Surrogate: 4-Bromofluorobenzene	110		70-130 %	2024-01-09

Town Shop (24A0313-03) | Matrix: Water | Sampled: 2024-01-03 10:28

Calculated Parameters



TEST RESULTS

REPORTED TO Stettler, Town of (Albertage) PROJECT THM+HAA	ta)		WORK ORDER REPORTED		24A0313 2024-01-10 11:18	
Analyte	Result	Guideline	RL	Units	Analyzed	Qualifi
Town Shop (24A0313-03) Matrix: Wate	r Sampled: 2024-0	1-03 10:28, Contin	ued			
Calculated Parameters, Continued						
Total Trihalomethanes	0.0258	MAC = 0.1	0.00400	mg/L	N/A	
Haloacetic Acids						
Monochloroacetic Acid	< 0.0020	N/A	0.0020	mg/L	2024-01-06	
Monobromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2024-01-06	
Dichloroacetic Acid	0.0086	N/A	0.0020	mg/L	2024-01-06	
Trichloroacetic Acid	0.0101	N/A	0.0020	mg/L	2024-01-06	
Dibromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2024-01-06	
Total Haloacetic Acids (HAA5)	0.0187	MAC = 0.08	0.00200	mg/L	N/A	
Surrogate: 2-Bromopropionic Acid	118		70-130	%	2024-01-06	
Volatile Organic Compounds (VOC)						
Bromodichloromethane	0.0024	N/A	0.0010	mg/L	2024-01-09	
Bromoform	< 0.0010	N/A	0.0010	mg/L	2024-01-09	
Chloroform	0.0234	N/A	0.0010	mg/L	2024-01-09	
Dibromochloromethane	< 0.0010	N/A	0.0010	mg/L	2024-01-09	
Surrogate: Toluene-d8	105		70-130	%	2024-01-09	
Surrogate: 4-Bromofluorobenzene	113		70-130	%	2024-01-09	



APPENDIX 1: SUPPORTING INFORMATION

REPORTED TO Stettler, Town of (Alberta) PROJECT THM+HAA		n of (Alberta)		WORK ORDER REPORTED	24A0313 2024-01-10 11:18	
Analysis Descri	ption	Method Ref.	Technique		Accredited	Location
Haloacetic Acids in	n Water	EPA 552.3*	Liquid-Liquid Microextraction, Derivati GC-ECD	ization and	\checkmark	Richmond
Trihalomethanes i	n Water	EPA 5030B / EPA 8260D	Purge&Trap / GC-MSD (SIM)		✓	Edmonton

Note: An asterisk in the Method Reference indicates that the CARO method has been modified from the reference method

Glossary of Terms:

RL	Reporting Limit (default)
<	Less than the specified Reporting Limit (RL) - the actual RL may be higher than the default RL due to various factors
MAC	Maximum Acceptable Concentration (health based)
mg/L	Milligrams per litre
EPA	United States Environmental Protection Agency Test Methods

Guidelines Referenced in this Report:

Guidelines for Canadian Drinking Water Quality (Health Canada, September 2022)

Note: In some cases, the values displayed on the report represent the lowest guideline and are to be verified by the end user

General Comments:

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