

ANALYTICAL & CONSULTING CHEMISTS

Environmental Chemists, Inc.

6602 Windmill Way, Wilmington, NC 28405 • 910.392.0223 Lab • 910.392.4424 Fax 710 Bowsertown Road, Manteo, NC 27954 • 252.473.5702 Lab/Fax 255-A Wilmington Highway, Jacksonville, NC 28540 • 910.347.5843 Lab/Fax

info@environmentalchemists.com

City of Boiling Spring Lakes

9 East Boiling Spring Road

Boiling Spring Lake NC 28461

Attention:

Date of Report: Aug 07, 2025

Customer PO #:

Customer ID:

08100287

Report #:

2025-16619

Project ID: Lake Sample

				FIC	ject ib.	Lake Sample	
Lab ID	Sample ID:		Collect I	Date/Time	Matrix	Sampled by	
25-43759	Site: Spring Lake		8/4/2025	12:48 PM	Water	Mike Miracle	
Test		Method	l		R	esults E	ate Analyzed
Enterococc	i	Enterolert IDEX	×			8 MPN/100ml	08/04/2025
Fecal Colifo	orm	SM 9222 D-201	5 MF			2360 Colonies/100m	08/04/2025
E. Coli		SM 9223B-MW				78 MPN/100ml	08/04/2025
Total Colifo	rm	SM 9223B-MW				>2420 MPN/100ml	08/04/2025
Lab ID	Sample ID:		Collect I	Date/Time	Matrix	Sampled by	
25-43760	Site: Tate Lake		8/4/2025	12:36 PM	Water	Mike Miracle	
Test		Method	1	94	R	esults C	ate Analyzed
Enterococc	i	Enterolert IDEX	x			1 MPN/100ml	08/04/2025
Fecal Colifo	orm	SM 9222 D-201	5 MF			28 Colonies/100ml	L 08/04/2025
E. Coli		SM 9223B-MW				22 MPN/100ml	08/04/2025
Total Colifo	rm	SM 9223B-MW	500			>2420 MPN/100ml	08/04/2025
Lab ID	Sample ID:		Collect I	Date/Time	Matrix	Sampled by	
25-43761	Site: Seminole Lake		8/4/2025	12:24 PM	Water	Mike Miracle	
Test		Method			R	esults C	ate Analyzed
Enterococc	i	Enterolert IDEX	×			19 MPN/100mi	08/04/2025
Fecal Colifo	orm	SM 9222 D-201	5 MF			1460 Colonies/100ml	_ 08/04/2025
E. Coli		SM 9223B-MW				366 MPN/100ml	08/04/2025
Total Colifo	rm	SM 9223B-MW				>2420 MPN/100ml	08/04/2025

Report #:: 2025-16619 Page 1 of 2



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Project ID: Lake Sample

Lab ID

Sample ID:

Collect Date/Time

Matrix

Sampled by

25-43762

Site: Mirror Lake

8/4/2025

12:28 PM Water Mike Miracle

Test

Method

Date Analyzed

Enterococci

Enterolert IDEXX

SM 9223B-MW

Results

Fecal Coliform

SM 9222 D-2015 MF

1 MPN/100ml 55 Colonies/100mL

08/04/2025 08/04/2025

E. Coli

SM 9223B-MW

2 MPN/100ml

>2420 MPN/100ml

08/04/2025

08/04/2025

Total Coliform

Comment:

Reviewed by:

Report # 2025-16619

Sample Receipt Checklist

Client: Bailing Se	rinas Lakas Date	:: <u>814125</u> Repo	rt Number: _	2025 -]	6619	
) (J				50	
Receipt of sample:	ECHEM Pickup 💢	Client Delivery 🗆	UPS 🗆	FedEx □	Other 🗖	
	MI ALIA I LALAN		كمحاجج حماف)		

Receipt of sa	mnle:	ECHEM Pickup Client Delivery UPS FedEx Other	
☐ YES	□ NO	N/A 1. Were custody seals present on the cooler?	
☐ YES	□ NO	N/A 1. 2. If custody seals were present, were they intact/unbroken?	
Original temp			°C
How tempera		☐ Temperature Blank ☐ Against Bottles	
		ble S/N: 250289912 IR Gun Correction Factor °C: 0.0	
☐ YES	□ NO	3. If temperature of cooler exceeded 6°C, was Project Mgr./QA notified?	
▼ YES	□ NO	4. Were proper custody procedures (relinquished/received) followed?	
YES	□ NO	5. Were sample ID's listed on the COC?	
YES	□ NO	6. Were samples ID's listed on sample containers?	
⊠ YES	□ NO	7. Were collection date and time listed on the COC?	
反 YES	□ NO	8. Were tests to be performed listed on the COC?	
YES	□ NO	9. Did samples arrive in proper containers for each test?	
YZ YES	□ NO	10. Did samples arrive in good condition for each test?	
YES YES	□ NO	11. Was adequate sample volume available?'	
YES YES	□ NO	12. Were samples received within proper holding time for requested tests?	
∮ YES	□ NO	13. Were acid preserved samples received at a pH of <2? *	
☐ YES	□ NO	14. Were cyanide samples received at a pH >12?	
☐ YES	□ NO	15. Were sulfide samples received at a pH >9?	
☐ YES	□ NO	16. Were NH3/TKN/Phenol received at a chlorine residual of <0.5 m/L? **	
☐ YES	□ NO	17. Were Sulfide/Cyanide received at a chlorine residual of <0.5 m/L?	
☐ YES	□ NO	18. Were orthophosphate samples filtered in the field within 15 minutes?	
		ked at time of analysis and recorded on the benchsheet.	
** Bacteria sa	amples are che	cked for Chlorine at time of analysis and recorded on the benchsheet.	
Sample Preso	ervation:	(Must be completed for any sample(s) incorrectly preserved or with headspace)	
Sample(s)		were received incorrectly preserved and were adjusted accordingly	
by adding (ci		H₂SO₄ HNO₃ HCI NaOH	
Time of prese		If more than one preservative is needed, notate in comments below	\dashv
		mmediately for incorrectly preserved samples. Obtain a new sample or	
		o analyzed by the customer. Who was notified, date and time:	_
Volatiles Sam	iple(s)	were received with headspace	
COMMENTS:	1		
		TOO FEED TO THE PROPERTY OF TH	
		DOC. QA.002 Rev 1	_
		DOC. QA.UUZ REV I	



Analytical & Consulting Chemists

ENVIRONMENTAL CHEMISTS, INC NCDENR: DWG CERTIFICATION # 94 NCDHHS: DLS CERTIFICATION # 37729

6602 Windmill Way Wilmington, NC 28405 OFFICE: 910-392-0223 FAX 910-392-4424 info@environmentalchemists.com

COLLECTION AND CHAIN OF CUSTODY

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Client: City of Boiling Spring Lakes	Lakes			Ž	PROJECT NAME:	AME	!:							丄	쥬	12	조	KEPORI NO:	4)	V		12	15	[-					
ADDRESS:	:			S S S	CONTACT NAME:	MAM	יייו								PO NO:	Z			١ ،										
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				COP	COPY TO:										email:	ai:													_
Sampled By: MIK	Milach				SAN	SAMPLE	TYPE: I	= Influent,	ent, E = E	ffile	루	≥	≶ا	<u>,</u>	<u>" </u>	င္တု	rea	ffluent, W = Well, ST = Stream, SO = Soil, SL	ဖွ	,≕ 	<u>" </u>	ဋ	<u>ا</u> ھ	<u>ē</u>	= Sludge, Other:	er			1 1
	C	Collection		pe		r		- 1	1		꿁	PRESERVATION	뮈	S	릶	Z				-				[-
Sample Identification	Date	Time	Temp	Sample Ty	Composit or Grab	Container (P or G)	Chlorine mg/L	pH of bottl	LAB ID NUMBER	NONE	HCL	H2SO4	HNO3	NAOH	THIO	FILTERED	OTHER	•		ANALYSIS REQUESTED	ĭΤΧ	ŠŠ	REC	ŭ Z	STE	Ö			
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Spring Lake	2425/	248			G	ଜ			430									E.Coli, Entero, Fecal, Total Coliform	E .	terc	ر ا	မင္သ	<u>بر</u> ب	og G	<u> </u>	Olif	orm		
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Seminole Lake		1224	L		ြ	ြ			4		L	L	L	L	L			E.Coli, Entero, Fecal, Total Coliform	m.	[를	ļ,	က္လ	<u>"</u> ا	[[문	ြီ	<u> </u> 을			
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Mirror Lake	<	118			ദ	ြ			101			_			L			E.Coli, Entero, Fecal, Total Coliform	E I	EE .	Jul I	က္လ	ٿا.	읎	ြီ	<u>을</u>	E S		_
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NOTICE - DECHLORINATION: Samples for Ammonia, TKN, Cyanide, Phenol and Bacteria must be dechlorinated (0.5 ppm or less) in the field at the time of collection. See reverse for instructions	for Ammonia, Th	(N, Cyanide, F	henol and B	acteri	a must be	dechic	orinated (0	.5 ppm o	less) in the	field a	st the	tim	of	Ö ⊕	tion	က္က	e Te	verse for	instr	uctio	suk								
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1.																													
2.								•																					
Temperature when Received °C:	ئ°C: خ	31	Acc	Accepted:	<u>.</u> ا	,		_Rejected:	ted:					<u> </u> _	es	3	딞	Resample Requested:	šte	اج					ļΙ			'	L
Delivered By:				R	Received By:	By:		M	M					<u> </u>	at		12	Date:8-165	, `	<u>'</u>	me	Ë	Time: 1408	7	A		l		
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Comments:

TURNAROUND: