

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 13, 2024

Customer PO#:

Customer ID: 08100287

Report #:

2024-18391

Project ID: Lake Sample

				Pro	oject ID:	Lake Sample	
Lab ID	Sample ID:	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Collect	Date/Time	Matrix	Sampled by	
24-45312	Site: Spring Lake		8/9/2024	11:46 AM	Water	David Knott	
Test		Method	l		R	esults C	ate Analyzed
Enterococc	i	Enterolert IDEX	x			55 MPN/100ml	08/09/2024
Fecal Colifo	orm	SM 9222 D-201	5 MF			1050 Colonies/100ml	L 08/09/2024
E. Coli		SM 9223B-MW				299 MPN/100ml	08/09/2024
Total Colifo	rm	SM 9223B-MW				>2420 MPN/100ml	08/09/2024
Lab ID	Sample ID:		Collect	Date/Time	Matrix	Sampled by	
24-45313	Site: Tate Lake		8/9/2024	11:10 AM	Water	David Knott	
Test		Method	<u> </u>		R	esults C	ate Analyzed
Enterococc	i	Enterolert IDEX	x			28 MPN/100ml	08/09/2024
Fecal Colifo	orm	SM 9222 D-201	5 MF			1300 Colonies/100ml	L 08/09/2024
E. Coli		SM 9223B-MW				326 MPN/100ml	08/09/2024
Total Colifo	rm	SM 9223B-MW		5-51 H		>2420 MPN/100ml	08/09/2024
Lab ID	Sample ID:		Collect	Date/Time	Matrix	Sampled by	
24-45314	Site: Seminole Lake		8/9/2024	11:20 AM	Water	David Knott	
Test		Method	.		R	esults [ate Analyzed
Enterococc	i	Enterolert IDEX	x			9 MPN/100ml	08/09/2024
Fecal Colifo	orm	SM 9222 D-201	5 MF			120 Colonies/100m	L 08/09/2024
E. Coli		SM 9223B-MW				96 MPN/100ml	08/09/2024
Total Colifo	rm	SM 9223B-MW				>2420 MPN/100ml	08/09/2024

Report #:: 2024-18391 Page 1 of 2



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 13, 2024

Customer PO#:

Customer ID:

08100287

Report #:

2024-18391

Project ID: Lake Sample

Lab ID

Sample ID:

Collect Date/Time

Matrix

Sampled by

24-45315

Site: Mirror Lake

8/9/2024

11:30 AM Water **David Knott**

Test Method Results Enterococci Enterolert IDEXX 28 MPN/100ml SM 9222 D-2015 MF Fecal Coliform 1050 Colonies/100mL 08/09/2024 E. Coli SM 9223B-MW

SM 9223B-MW

Total Coliform

510 MPN/100ml

08/09/2024

08/09/2024

Date Analyzed

>4840 MPN/100ml

08/09/2024

Sample Receipt Checklist

Client:	tu	(5)	011		19 Date: 8 9 24 Report Number: 24 - (839)
Receipt of	sam	ple:	Ech	em Pick up 💫	Client Delivery UPS FedEx Other
YES		NO	12	N/A	1. Were custody seals present on the cooler?
☐ YES		NO	 	N/A	2. If custody seals were present, were they intact/unbroken?
Original te	mpe	rature	ပ်ဥဝ	n receipt	°C Corrected temperature upon receipt °C
How temp	erati	ure ta	ken:	☐ Ten	nperature Blank Against Bottles
IR Gun ID:	Thor	mas Tr	acea	ble S/N 19251	11657 IR Gun Correction Factor °C: 0.0
☐ YES		NO	3	3. If tempe	erature of cooler exceeded 6°C, was Project Mgr./QA notified?
YES		NO	4		roper custody procedures (relinquished/received) followed?
YES		NO		5. Were sa	imple ID's listed on the COC?
YES YES		NO	(5. Were sa	imples ID's listed on sample containers?
YES		NO	7	7. Were co	ollection date and time listed on the COC?
YES YES		NO	8	3. Were te	ests to be performed listed on the COC?
YES		NO	9	9. Did sam	ples arrive in proper containers for each test?
YES		NO	1	0. Did sam	ples arrive in good condition for each test?
YES YES		NO	1		equate sample volume available?'
YES		NO	1		amples received within proper holding time for requested tests?
YES YES		NO	1	3. Were ac	cid preserved samples received at a pH of <2? *
☐ YES		NO	1		vanide samples received at a pH >12?
☐ YES		NO	1		ulfide samples received at a pH >9?
☐ YES		NO	_		H3/TKN/Phenol received at a chlorine residual of <0.5 m/L? **
☐ YES		NO			ulfide/Cyanide received at a chlorine residual of <0.5 m/L?
☐ YES		NO	1	8. Were or	thophosphate samples filtered in field within 15 minutes?
** Bacteria	sam	ples ar	e che	cked for Chlori	analysis and recorded on the benchsheet. ine at time of analysis and recorded on the benchsheet.
•	eser	vation	(Mu	st be complet	ted for any sample(s) incorrectly preserved or with headspace)
Sample(s)					were received incorrectly preserved and were adjusted accordingly
by adding (H ₂ SO ₄	HNO ₃ HCI NaOH
Time of pro					If more than one preservative is needed, notate in comments below
Note: Notify	custo	mer ser	vice ir	nmediately for in	ncorrectly preserved samples. Obtain a new sample or
notify the sta	te lab	if direc	ted to	analyzed by the	e customer. Who was notified, date and time:
Volatiles Sa	ampl	le(s) _			were received with headspace
COMMENT	rs:			. <u>-</u>	
				.	
					DOC.QA.002 Rev 1
					DOCIGINOUS NEW 1



ENVIRONMENTAL CHEMISTS, INC

NCDENR: DWQ 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

Client: Boiling Spring Lakes		PRO	JECT I	PROJECT NAME:		,					ı		REP	ž	REPORT NO:		94-1839	<u>S</u>	S	٩				
ADDRESS:		CON	ГАСТ	CONTACT NAME	••								PO NO:	0:										
		REP(REPORT TO:	ပ္ပ									PHONE/FAX:	죈	ξ.	••								
	:	COPY TO:	10:									Ц	email:											_
Sampled By:					SAMP	내기	SAMPLE TYPE: I = Influent, E = E	ent	m		ᇤ	르	W = V	[≧	ST=	ffluent, W = Well, ST = Stream, SO = Soil, SL = Sludge, Other:	SO = S	ši,	E = (ğ	ge, Q	ther		
	Collection	pe				le	:		ヌ		밁	S	ERVATION		٦									-
Sample Identification Date	Time Temp	Sample Ty	Composit or Grab	Containe (P or G)	Chlorine mg/L	pH of bott	LAB ID NUMBER	NONE	HCL	H2SO4	HNO3	NAOH	THIO FILTERED	OTHER				ĄŅ	ALYSIS	8 R	ANALYSIS REQUESTED	TEB		
18.5°8	1146		C	Ţ			ויכאול						_										ſ	
Spring Lake		_	G	G			42219	Ľ	_				H		E.C	E.Coli, Entero, Fecal, Total Coliform	o, Fec	al, T	otal C	òlif	ALI C			
, 11to	11)0	_	ဂ	P			, ,	_		4	-		_								İ			
Tate Lake	!		G	G			15								E.C	E.Coli, Entero, Fecal, Total Coliform	o, Fec	<u>a</u>	otal C	ò	Ē			
	190		ဂ	ס			111							_										
Seminole Lake			ഒ	ഹ			2	L		L	L	L	H	Т	E.C	E.Coli, Entero, Fecal, Total Coliform	o, Fec	<u>a</u> .⊤	otal C	òlifa	UTT			
	1130		ဂ	ס			ሻ																	
Mirror Lake			ଜ	ဂ	L	L	ī	L	┡	-	L	L	\vdash	Н	E C	E.Coli, Entero, Fecal, Total Coliform	o Fec	<u>a</u> T	otal C	<u></u>	¥			_
			С	Р						_			_											
			G	G										_										
			ဂ	ס						_			-											
			ഒ	ြ						_	_													
			ဂ	ס												:								
			၈	ര				L	L	H	_	<u> </u>		Н										
			ဂ	ס								_												
			ឲ	ြ	_			_	_		_		_											
NOTICE - DECHLORINATION: Samples for Ammonia, TKN, Cyanide, Phenol and Bacteria must be dechlorinated (0.5 ppm or less) in the fight at the time of collection. See reverse for instructions	KN, Cyanide, Phenol a	nd Bacteria	must be	dechlor	inated (0	.5 ppm or	less) in the	fight	the	time	of c	Ö.	tion.	ě	everse	e for instructi	003							
Transfer	Relinquished By:	<i>f</i> :			Date	Date/Time					یر	če	Received E	×						اوا	Date/Time	ime		
1.											3.	ر د	S	<u>Y</u> _	3,	130 X	6-8	ו ש	Ž		ن مسم	2	26	_
2.				•								4	•						1					
Temperature when Received °C:	A	Accepted	<u> </u>	<		Rejected:) <u>e</u> 					'Z	sam)	음	Rgqı	Resample Requested:		1						
Delivered By:		Rec	Received By:	By:			C	ĺ	l	l	L	Ġ	Date:_	N	4	11 K P	Time:	h	M	٢				
Comments:														=	RNA	TURNAROUND			!					