

Mail & Email information for report date:

3/19/22 09:34

F006190

PRICE INCREASE FOR 2022

Due to the increase in operational costs, Aqua-Tech Laboratories will be implementing a slight price increase. The new price list will be effective January 1, 2022.

Thank you for your business,
June M. Brien
Executive Technical Director

mattw@pflugervilletx.gov

Pflugerville, City of

Attn: Matt Woodard

P.O. Box 589

Pflugerville, TX 78071

CORPORATE OFFICE

635 Phil Gramm Boulevard
Bryan, TX 77807
Phone: (979) 778-3707
Fax: (979) 778-3193



AUSTIN OFFICE

3512 Montopolis Dr. Suite A
Austin, TX 78744
Phone: (512) 301-9559
Fax: (512) 301-9552

The analyses summarized in this report were performed by Aqua-Tech Laboratories, Inc. unless otherwise noted. Aqua-Tech Laboratories, Inc. holds accreditation from the State of Texas in accordance with TNI and/or through the TCEQ Drinking Water Commercial Laboratory Approval Program.

The following abbreviations indicate certification status:

- NEL TNI accredited parameter.
- ANR Accreditation not offered by the State of Texas.
- DWP Approval through the TCEQ Drinking Water Commercial Laboratory Approval Program.
- INF Aqua-Tech Laboratories, Inc. is not accredited for this parameter. It is reported on an informational basis only.

Subcontracted data summarized in this report is indicated by "Sub" in the Lab column.

General Definitions:

- NR Not Reported.
- RPD Relative Percent Difference.
- % R Percent Recovery.
- dry Results with the "dry" unit designation are reported on a "dry weight" basis.
- SQL The Sample Quantitation Limit is the value below which the parameter cannot reliably be detected. The SQL includes all sample preparations, dilutions and / or concentrations.
- Adj MDL The Adjusted Method Detection Limit is the MDL value adjusted for any sample dilutions or concentrations .
- MDL The Method Detection Limit is the lowest theoretical value that is statistically different from zero for a specific method, taking into account all preparation steps and instrument settings.

All samples are reported on an "as received" basis unless the designation "dry" is added to the reported unit.

Copies of Aqua-Tech Laboratories, Inc. procedures and individual sampling plans are available upon request. Note that samples are collected by Aqua-Tech Laboratories, Inc. personnel unless otherwise noted in the "Sample Collected" field of this report as "Client" or "CLT".

Samples included in this report were received in acceptable condition according to Aqua-Tech Laboratories, Inc. procedures and 40 CFR, Chapter I, Subchapter D, Part 136.3, TABLE II. - *Required containers, preservation techniques, and holding times*, unless otherwise noted in this report.

Record Retention:

All reports, raw data, and associated quality control data are kept on file for 10 years before being destroyed. Any client that would like copies of records must contact Aqua-Tech Laboratories, Inc. no later than six months prior to the scheduled disposal. An administrative fee for retrieval and distribution will apply.

This report was approved by:


June M. Brien, Technical Director

The results in this report apply only to the samples analyzed. This analytical report must be reproduced in its entirety unless written permission is granted by Aqua-Tech Laboratories, Inc.

corp@aqua-techlabs.com

www.aqua-techlabs.com

T104704371-21-24



TCEQ DW Lab ID TX 239

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Analytical Report

Pflugerville, City of

Report Printed: 3/19/22 9:34
F006190

Lake Pflugerville Intake

Collected: 02/17/22 09:00 by CLIENT
 Received: 02/17/22 15:25 by Brianna Burke

Type
 Grab

Matrix
 Non Potable

C-O-C #
 22-5742A

Lab ID# F006190-01

Result

Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch
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Please see the attached subcontract report for subcontracted data.

Sample Preparation Summary

Sample	Method	Prepared	Lab	Bottle	Initial	Units	Final	Units	External Dilution Factor	Batch
F006190-01										
Subcontract	Sub Contract Data Entry	3/19/22 9:27 PMY	Bryan	-	-	-	-	-	-	M142154



Aqua-Tech Laboratories, Inc.

Austin

Bryan

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Work Order / C-O-C

22-45742A

Page 1 of 1

V-0023 R03

Client / Project: City of Pflugerville

Contact Info
Name: Rob Herchak
Address: P.O. Box 589
City: Pflugerville TX ZIP: 78691
Phone / Email: 512 990-6455

Definitions
DW - Drinking Water (+) Container Type
NP - Non-Potable Water P - Plastic
S - Solid G - Glass
T - Teflon®
CM - Custody Maintained
CTU - Custody Transfer Unbroken
CT - Corrected Temperature
SUB - Subcontracted Analysis

T104704371
TX239

Test results meet all accreditation/certification requirements unless stated otherwise.

Sample Custody

Relinquished by (print & sign): Rob Herchak	<input checked="" type="checkbox"/> Sampler <input type="checkbox"/> Client <input type="checkbox"/> ATL Field	Date: 2-17-22 Time: 0945	<input checked="" type="checkbox"/> Iced / Refrig <input type="checkbox"/> Custody Sealed
Received by (print & sign): Bianna Burke Beck	<input type="checkbox"/> Client <input checked="" type="checkbox"/> ATL Field	Date: 2/17/22 Time: 1113	<input checked="" type="checkbox"/> Iced / Refrig <input type="checkbox"/> CM / CTU
Relinquished by (print & sign): Rob Herchak	<input type="checkbox"/> Client <input type="checkbox"/> ATL Field	Date: 2-17-22	<input type="checkbox"/> Iced / Refrig <input type="checkbox"/> CM / CTU
Received by (print & sign): Bianna Burke	<input type="checkbox"/> Client <input type="checkbox"/> ATL Field	Date: 2/17/22	<input type="checkbox"/> Iced / Refrig <input type="checkbox"/> CM / CTU
Relinquished by (print & sign): Bianna Burke Beck	<input type="checkbox"/> Client <input checked="" type="checkbox"/> ATL Field	Date: 2/17/22 Time: 1525	<input type="checkbox"/> Iced / Refrig <input checked="" type="checkbox"/> CM / CTU / sealed
Received by (print & sign): Bianna Burke Beck	<input type="checkbox"/> Client <input checked="" type="checkbox"/> Lab	Date: 2/17/22 Time: 1525	<input checked="" type="checkbox"/> Good <input checked="" type="checkbox"/> Iced / Refrig <input checked="" type="checkbox"/> CM / CTU

By relinquishing the samples listed below to Aqua-Tech, the client agrees to the following terms. Samples will be analyzed by a method that is within Aqua-Tech Laboratories' NELAC fields of accreditation. Analytes requiring a certified method that is not within Aqua-Tech's fields of accreditation will be subcontracted to a NELAC certified lab that is certified for that method. Clients will be notified of the subcontract lab's details. Other analytes not requiring accreditation will be analyzed by a compendial method. If a specific method is required, the client will note the method in the "Analysis Requested" column. The client approves all method modifications documented by Aqua-Tech or the subcontract lab. A current list of Aqua-Tech's NELAC fields of accreditation and other methods are available on request.

Client Comments:	* Preservatives	Receipt in Lab		
All samples taken from intake at Lake Pflugerville AWrong #CBBB	1 < 6 °C (unfrozen)	Cooler ID (1/2):	Y022	
	2 H2SO4	Temperature (°C): read / CT	3.0	
	3 HCl		3.0	
	4 HNO3	Preservation Correct ?	YES	NO
	5 Na2S2O3	Post Preservatives ?	YES	NO
	6 NaOH	Thermometer ID:	0715672	
	7	pH Paper ID:	-	
Lab Comments				

Field Sample ID (record field data for each sample in space below)	Start		End		Composite Type	Sample Matrix	Container(s)			LAB USE ONLY BELOW (initials <i>jm</i>)									
	Date	Time	Date	Time			Bottle Count	Volume (Size in L)	Type (+)	Preservative(s)	Cooler ID	pH Check	SUB	WORK ORDER					
Lake Pflugerville 2-17-22	2-17-22	0900	-	-	G	NP	4	40ml	0										
Analysis Requested & Comments: 8 sample bottles total for cyanotoxin sampling																			
Analysis Requested & Comments:																			
Analysis Requested & Comments:																			
Analysis Requested & Comments:																			
Analysis Requested & Comments:																			
Analysis Requested & Comments:																			
Analysis Requested & Comments:																			
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Analysis Requested & Comments:																			



LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

March 04, 2022

SUZANNE RUDD
AQUA TECH LABS, INC
635 PHIL GRAMM BLVD
BRYAN, TX 77807
corp@aqua-techlabs.com

RE: Final Analytical Report Q2205894
Attn: SUZANNE RUDD

Enclosed are the analytical results for sample(s) received by LCRA Environmental Laboratory Services. Results reported herein conform to the most current NELAP standards, where applicable, unless otherwise narrated in the body of the report. This final report provides results related only to the sample(s) as received for the above referenced work order.

Thank you for selecting ELS for your analytical needs. If you have any questions regarding this report, please contact us at (512) 730-6022 or environmental.lab@lcra.org. We look forward to assisting you again.

Authorized for release by:

Ariana Dean
Account Manager
ariana.dean@lcra.org



Enclosures:

Workorder: Q2205894
Workorder Description: AQUATECHCYANO_02172022
Client: AQUA TECH LABS, INC.
Profile: AquaTech
Sampled By:

Report To: SUZANNE RUDD
AQUA TECH LABS, INC
635 PHIL GRAMM BLVD
BRYAN, TX 77807

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported
Q2205894001	F006190-01	AQ	EPA Method 545	02/17/2022 09:00	02/17/2022 16:11	2
Q2205894001	F006190-01	AQ	EPA Method 546	02/17/2022 09:00	02/17/2022 16:11	1

Report Definitions

MRL - Minimum Reporting Limit
LOD - Limit of Detection
ML - Maximum Limit - Client Specified
MCL - Maximum Contaminant Level
LOQ - Limit of Quantitation - Client Specified
DF - Dilution Factor
(S) - Surrogate Spike
MDL - Method Detection Limit
RPD - Relative Percent Difference

Qualifier Definitions

J - Analyte detected below quantitation limit
R - RPD outside duplicate precision limit
S - Spike recovery outside limit
B - Analyte detected in method blank
N - Not Accredited
M - Analyte Detected Above Maximum Contaminant Level
SL - Spike Recovery Low
SH - Spike Recovery High
H - Analyzed Past Hold Time
CR - Confirmed Result
CH - Result confirmed by historical data

Workorder Summary

Analytical Results

Client ID: AquaTech	Date Collected: 02/17/2022 09:00	Matrix: Aqueous
Lab ID: Q2205894001	Date Received: 02/17/2022 16:11	Sample Type: SAMPLE
Sample ID: F006190-01	Location:	
Project ID: AquaTech	Facility:	
	Sample Point:	

EPA Method 545 (EPA Method 545)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Cylindrospermopsin	<0.0900	ug/L	0.0900	0.0900	90	1	02/24/2022 01:46	KRD	02/24/2022 01:46	KRD	N
Anatoxin-a	<0.0300	ug/L	0.0300	0.0300	30	1	02/24/2022 01:46	KRD	02/24/2022 01:46	KRD	N

EPA Method 546 (EPA Method 546)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Total Microcystins	<0.300	ug/L	0.300	0.300	300	1	02/23/2022 13:14	KRD	02/23/2022 13:14	KRD	N

Quality Control Results

QC Batch: ORG/10718
Preparation Method: EPA Method 545
Associated Lab IDs: Q2205894001

Analysis Method: EPA Method 545

Laboratory Reagent Blank(1719090)

Parameter	Units	Results	MRL	LOD	Qualifier
Cylindrospermopsin	ug/L	<0.0900	0.09	0.09	
Anatoxin-a	ug/L	<0.0300	0.03	0.03	

Continuing Calibration Check-M (1719093)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery%	Control Limits %	Qualifier
Cylindrospermopsin	ug/L	0.45	0.42	93.3	70 - 130	
Anatoxin-a	ug/L	0.15	0.15	102.0	70 - 130	

Continuing Calibration Check-L (1719088)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery%	Control Limits %	Qualifier
Cylindrospermopsin	ug/L	0.09	0.09	102.0	50 - 150	
Anatoxin-a	ug/L	0.03	0.03	92.3	50 - 150	

LFSM-M (1719091); LFSMDM (1719092); Original: Q2205109001

Parameter	Units	Spiked Amount	Spike Result	%Spike Recovery	Control Limits %	Duplicate Result	%Duplicate Recovery	RPD	RPD Limit	Qualifier
Cylindrospermopsin	ug/L	0.45	0.96	96.4		0.92	89.1	4.26		
Anatoxin-a	ug/L	0.15	0.15	103.0		0.15	103.0	0.0		

Quality Control Results

QC Batch: ORG/10719
Preparation Method: EPA Method 546
Associated Lab IDs: Q2205894001

Analysis Method: EPA Method 546

LFSM-M (1719111); LFSMDM (1719112); Original: Q2205608001

Parameter	Units	Spiked Amount	Spike Result	%Spike Recovery	Control Limits %	Duplicate Result	%Duplicate Recovery	RPD	RPD Limit	Qualifier
Total Microcystins	ug/L	0.5	0.581	116.0		0.577	115.0	0.69 1		

Laboratory Reagent Blank(1719108)

Parameter	Units	Results	MRL	LOD	Qualifier
Total Microcystins	ug/L	<0.300	0.3	0.3	

Continuing Calibration Check-L (1719109)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery%	Control Limits %	Qualifier
Total Microcystins	ug/L	0.3	0.262	87.3	50 - 150	

Laboratory Fortified Blank (1719110)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery%	Control Limits %	Qualifier
Total Microcystins	ug/L	0.6	0.515	85.8	60 - 140	

Laboratory Reagent Blank(1719115)

Parameter	Units	Results	MRL	LOD	Qualifier
Total Microcystins	ug/L	<0.300	0.3	0.3	

Laboratory Fortified Blank (1719114)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery%	Control Limits %	Qualifier
Total Microcystins	ug/L	0.6	0.545	90.8	60 - 140	

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
ORG/10718 - EPA Method 545			
Q2205894001	F006190-01		
ORG/10719 - EPA Method 546			
Q2205894001	F006190-01		

End of Report

ATL - Bryan Facility:
635 Phil Gramm Blvd.
Bryan, TX 77807
(979) 778-3707
Fax (979) 778-3193

ATL - Austin Facility:
3512 Montopolis Drive
Austin, TX 78744
(512) 301-9559
Fax (512) 301-9552

Chain-of-Custody & Analysis Request

SHIPPED TO:
LCRA
3505 Montopolis
Austin, TX 78744
Phone: (512) 473-3200
Fax: (512) 263-2166

02205894

C-O-C #

729 - F006190



T104704371

All analyses must be performed by a TNI approved method certified by the TCEQ. Contact ATL's sample custodian via voice and email if your methods do not meet this criteria.


Analysis Request for: **Sample ID: F006190-01** Sampled: 02/17/22 09:00 Matrix: Non Potable Laboratory ID >>

Cyanobacteria EPA 545 SUB - EPA 545 Cyanobacteria EPA 546 SUB - EPA 546

CONTAINERS SUPPLIED:

(ATL indicates cooler number in parentheses for each container - only required if more than one cooler listed below.)

- () F006190-01 [A] - [SUB] LCRA CN-bac 545 NaHSO4-
- () F006190-01 [B] - [SUB] LCRA CN-bac 545 NaHSO4-
- () F006190-01 [C] - [SUB] LCRA CN-bac 546 Na2S2O3
- () F006190-01 [D] - [SUB] LCRA CN-bac 546 Na2S2O3

Relinquished by: (print & sign) <input checked="" type="checkbox"/> ATL-Austin <input type="checkbox"/> ATL - Bryan <input type="checkbox"/> Sampler		Date	Time	<input type="checkbox"/> Iced <input type="checkbox"/> Custody Sealed <input type="checkbox"/> Not Chilled	Abbreviations: DW - Drinking Water NP - Non-Potable Water S - Solid CTU - Custody Transfer Unbroken StP - Sterile Plastic LP - Liter Plastic LG - Liter Glass
Adrian Torres <i>Atorney</i>		02/17/22	1007		
Carrier & Tracking Number: Route Driver				Sample Info "X" all that apply	Aqua-Tech Comments and Special Instructions Use sample ID as PO#
Cooler 1: sm				Received Iced CTU Condition Good Not Rec'd Iced	
Received by: (print & sign) <input checked="" type="checkbox"/> Received in Lab					
SANA RASHID <i>Sana Rashid</i>		Date	Time		
1189 CF = to 1.9.5.8/6.0 °C		02/17/22	16:11		
Line below documents condition at receipt in lab (shipped to) listed above.					
Cooler Temperature (°C)	Temp. Read (TR)	Corrected Temp. (CT)	Thermometer ID	Please email reports to: reporting@aquatechlabs.com Please return cooler(s) to: Returned with Route Driver	
Cooler 1			118, 5.9/6.0		
N/A	N/A	N/A			
				 02205894 536119	