

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY WATER QUALITY PARAMETER MONITORING FORM 20679															F007835								
Completed by PWS (or Agent)															Completed by Laboratory								
PWS Name: City Of Pflugerville										Laboratory Name:													
PWS ID #: TX 2270422										TCEQ Lab ID #:													
PWS Address: P.O. Box 589 Pflugerville TX 78691										Laboratory Address: Aqua-Tech Laboratories, Inc. 835 Phil Gramm Blvd Bryan, TX 77807 TX 239 Marianne Guzman 979-778-3707													
PWS Contact: Brian Camp																							
PWS Contact Phone #: (512) 845-6231										Laboratory Contact:													
Inhibitor or Stabilizer Used (✓): Phosphate ☐ Silica ☐ Calcium carbonate ☐																							
TREATMENT		Alkalinity Dosage Rate:		Inhibitor Dosage Rate:		Laboratory Contact Phone #:																	
Sample Information															Parameters Requested: Analyses are required for the parameters checked. * If inhibitors containing phosphate or silica are used, then these parameters should also be analyzed depending on which is in use.								
Sample Type (✓):		Compliance ☒		Non-compliance ☐																			
Sample Collector (✓):		Public Water System ☒		Accredited Lab ☐		3rd Party Contractor --> LAB ID		AL															
Temperature and pH (Y or N):		X		Are temperature and pH included on the sampling entity's Laboratory Approval Form on file at the TCEQ?		X		Were temperature and pH measured in the field within 15 minutes of sample collection?															
Facility ID (e.g. DS01, PBCU001)	Sample Point ID (e.g. DSTWQP, EWQP)	Sample Location	Sample Collection		Field Measurements		Replacement? (✓)	Original Sample ID #	Original Sample Date (MMDDYY)	Lab Sample ID	Alkalinity (1927)	Calcium (1919)	Chloride (1017)	Conductivity (1064)	Hardness (1915)	Iron (1028)	Manganese (1032)	Sodium (1052)	Sulfate (1055)	TDS (1930)	O-Phosphate (1044) *	Silica (1049) *	
			Date (MMDDYY)	Time - 24 hr (HHMM)	pH	Temp (°C)																	
EP001	EWQP	20624 Commons Parkway	03/02/22	0900	7.57	17.2				F007835-01A,BC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
DS01	DSTWQP	20912 Windmill Ranch AVE	03/02/22	0915	7.60	16.1				02A,BC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
											✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
											✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
											✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
											✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
I acknowledge that information on this form is true and correct and sites selected for sampling follow the instructions in the TCEQ Monitoring and Sample Collection Guidance for Water Quality Parameters. This includes, but not limited to the measurement of pH and temperature immediately upon collection. Falsification of this form or tampering with water samples is a crime punishable under state and/or federal law. (Texas Penal Code, Title 8, Chapter 37.10)															Sample Conditions Upon Receipt (✓)								
Name of Authorized PWS Representative (Print): Guy Caffey Signature: [Signature] Organization: Pflugerville Date: 03/02/2022															✓ Samples received unpreserved?		✓ Iced		Ambient				
															Rejection Code (if applicable):		Actual / Corrected sample temperature: 38/38°C						
Chain of Custody															Date & Time of Sample Preservation (Acidified): 030222@1400		Thermometer ID #: 0764480						
Relinquished By (Signature): [Signature]			Date/Time: 3/2/2022 1305		Relinquished By Courier (Signature): [Signature]			Date/Time:		Laboratory Comments:													
Received By Courier (Signature): [Signature]			Date/Time:		Received By Lab (Signature): Kelly Kukowski			Date/Time: 3/2/22 1305															

Email information for report date:

4/7/22 14:38

F007835

Pflugerville, City of

Attn: Matt Woodard
mattw@pflugervilletx.gov

P.O. Box 589
Pflugerville, TX 78071

2021 Lead Copper Testing is underway!
Call or email us today at
samplingbryan@aqua-techlabs.com for the
Bryan Facility or
samplingaustin@aqua-techlabs.com for the
Austin Facility for more information or to set up
an event.

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

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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:

A handwritten signature in black ink that reads 'June M. Brien'.
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.

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T104704371-21-24



TCEQ DW Lab ID TX 239

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Analytical Report

Pflugerville, City of

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F007835

20624 COMMONS PARKWAY (PBCU001)

Collected: 03/02/22 09:00 by CLIENT
Received: 03/02/22 13:05 by Kelly Kukowski

Type
Grab

Matrix
Drinking Water

C-O-C #
F007835

Lab ID#	F007835-01	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch
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Field Parameters

Field pH	7.57	Std Units				N/A	N/A	Client	At Collection	Client	M138106
Temperature	17.2	Deg. C				N/A	N/A	Client	At Collection	Client	M138106

General Chemistry

Total Dissolved Solids	354	mg/L			25.0	50.0	50.0	Austin	03/07/22 15:49 KT	SM2540 C 2015	M141588	NEL
Total Alkalinity as CaCO ₃ (pH4.5)	152	mg/L		C-02	5.00	20.0	20.0	Bryan	03/07/22 07:39 ATG	SM2320 B 2011	M141562	DWP
Total Hardness (EDTA) as CaCO ₃	187	mg/L		C-02	1.00	1.00	1.00	Bryan	03/17/22 11:15 ABM	SM2340 C 2011	M142064	NEL
Specific Conductance (adjusted to 25.0°C)	486	uS/cm			2.00	2.00	2.00	Austin	03/07/22 10:15 KT	SM2510 B 2011	M141577	DWP,NEL

Metals (Total)

Calcium	53.4	mg/L			0.023	0.235	1.02	Bryan	03/09/22 16:12 CAK	EPA 200.7 R4.4	M141644	DWP
Iron	0.027	mg/L			0.002	0.002	0.010	Bryan	03/09/22 15:26 CAK	EPA 200.7 R4.4	M141641	NEL
Manganese	<0.005	mg/L		J (0.003)	0.002	0.002	0.005	Bryan	03/09/22 15:26 CAK	EPA 200.7 R4.4	M141641	NEL
Sodium	24.9	mg/L			0.011	0.112	1.02	Bryan	03/09/22 16:12 CAK	EPA 200.7 R4.4	M141644	NEL

Please see the attached subcontract report for subcontracted data.

20912 WINDMILL RANCH AVE (DS01)

Collected: 03/02/22 09:15 by CLIENT
Received: 03/02/22 13:05 by Kelly Kukowski

Type
Grab

Matrix
Drinking Water

C-O-C #
F007835

Lab ID#	F007835-02	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch
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Field Parameters

Field pH	7.60	Std Units				N/A	N/A	Client	At Collection	Client	M138106
Temperature	16.1	Deg. C				N/A	N/A	Client	At Collection	Client	M138106

General Chemistry

Total Dissolved Solids	326	mg/L			25.0	50.0	50.0	Austin	03/07/22 15:49 KT	SM2540 C 2015	M141588	NEL
Total Alkalinity as CaCO ₃ (pH4.5)	154	mg/L			5.00	20.0	20.0	Bryan	03/07/22 07:39 ATG	SM2320 B 2011	M141562	DWP
Total Hardness (EDTA) as CaCO ₃	180	mg/L			1.00	1.00	1.00	Bryan	03/11/22 08:23 ABM	SM2340 C 2011	M141838	NEL
Specific Conductance (adjusted to 25.0°C)	465	uS/cm			2.00	2.00	2.00	Austin	03/07/22 10:15 KT	SM2510 B 2011	M141577	DWP,NEL

Metals (Total)

Calcium	55.2	mg/L			0.023	0.235	1.02	Bryan	03/09/22 16:15 CAK	EPA 200.7 R4.4	M141644	DWP
Iron	<0.010	mg/L			0.002	0.002	0.010	Bryan	03/09/22 15:29 CAK	EPA 200.7 R4.4	M141641	NEL
Manganese	<0.005	mg/L			0.002	0.002	0.005	Bryan	03/09/22 15:30 CAK	EPA 200.7 R4.4	M141641	NEL
Sodium	25.4	mg/L			0.011	0.112	1.02	Bryan	03/09/22 16:15 CAK	EPA 200.7 R4.4	M141644	NEL

Please see the attached subcontract report for subcontracted data.

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Explanation of Notes

C-02 Result confirmed by re-analysis.

J Analyte detected below the SQL but above the MDL.

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General Chemistry - Quality Control

Result	Units	Notes	MDL	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	RPD	RPD Limit	Batch
Specific Conductance (adjusted to 25.0°C) - SM2510 B 2011												<i>Austin</i>
Initial Cal Check	442	uS/cm			03/07/22 10:15 KT	436		101	90 - 110			2203072
Blank	<2.00	uS/cm	2.00	2.00	03/07/22 10:15 KT							M141577
Duplicate	539	uS/cm	2.00	2.00	03/07/22 10:15 KT		533			1.12	1.79	M141577
LCS	1410	uS/cm	2.00	2.00	03/07/22 10:15 KT	1410		100	96.2 - 104			M141577
Total Alkalinity as CaCO3 (pH4.5) - SM2320 B 2011												<i>Bryan</i>
Initial Cal Check	6.84	mg/L			03/07/22 07:39 ATG	6.86		99.7	98 - 102			2203067
Initial Cal Check	9.05	mg/L			03/07/22 07:39 ATG	9.18		98.6	98 - 102			2203067
Low Cal Check	20.0	mg/L			03/07/22 07:39 ATG	20.0		100	70 - 130			2203067
Duplicate	152	mg/L	20.0	20.0	03/07/22 07:39 ATG		152			0.00	3.71	M141562
LCS	82.0	mg/L	20.0	20.0	03/07/22 07:39 ATG	80.0		102	95 - 105			M141562
LCS Dup	80.0	mg/L	20.0	20.0	03/07/22 07:39 ATG	80.0		100	95 - 105	2.47	4.16	M141562
Total Dissolved Solids - SM2540 C 2015												<i>Austin</i>
Blank	<25.0	mg/L	25.0	25.0	03/07/22 15:49 KT							M141588
Duplicate	346	mg/L	50.0	50.0	03/07/22 15:49 KT		326			5.95	13.4	M141588
Reference	492	mg/L	100	100	03/07/22 15:49 KT	500		98.4	81 - 121			M141588
Total Hardness (EDTA) as CaCO3 - SM2340 C 2011												<i>Bryan</i>
Initial Cal Check	66.3	mg/L			03/11/22 08:23 ABM	67.6		98.1	90 - 110			2203131
Low Cal Check	3.02	mg/L			03/11/22 08:23 ABM	4.00		75.5	70 - 130			2203131
Blank	<1.00	mg/L	1.00	1.00	03/11/22 08:23 ABM							M141838
Duplicate	192	mg/L	1.00	1.00	03/11/22 08:23 ABM		192			0.00	9.52	M141838
LCS	103	mg/L	1.00	1.00	03/11/22 08:23 ABM	100		103	90 - 110			M141838
LCS Dup	100	mg/L	1.00	1.00	03/11/22 08:23 ABM	100		100	90 - 110	1.98	6.47	M141838
Matrix Spike	292	mg/L	1.00	1.00	03/11/22 08:23 ABM	100	192	100	87.6 - 111			M141838
Initial Cal Check	67.7	mg/L			03/17/22 11:15 ABM	67.6		100	90 - 110			2203194
Blank	<1.00	mg/L	1.00	1.00	03/17/22 11:15 ABM							M142064
Duplicate	182	mg/L	1.00	1.00	03/17/22 11:15 ABM		187			2.74	9.52	M142064
LCS	102	mg/L	1.00	1.00	03/17/22 11:15 ABM	100		102	90 - 110			M142064
LCS Dup	104	mg/L	1.00	1.00	03/17/22 11:15 ABM	100		104	90 - 110	1.96	6.47	M142064
Matrix Spike	284	mg/L	1.00	1.00	03/17/22 11:15 ABM	100	187	97.0	87.6 - 111			M142064
MRL Check	5.05	mg/L	1.00	1.00	03/17/22 11:15 ABM	4.00		126	70 - 130			M142064

Metals (Total) - Quality Control

Result	Units	Notes	MDL	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	RPD	RPD Limit	Batch
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Metals (Total) - Quality Control

Result	Units	Notes	MDL	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	RPD	RPD Limit	Batch
Calcium - EPA 200.7 R4.4												<i>Bryan</i>
Blank	<0.102	mg/L	0.023	0.102	03/09/22 15:37 CAK							M141644
LCS	9.79	mg/L	0.024	0.104	03/09/22 15:40 CAK	10.0		97.9	84.5 - 115.4			M141644
LCS Dup	10.5	mg/L	0.024	0.104	03/09/22 15:44 CAK	10.0		105	84.5 - 115.4	7.01	20	M141644
Duplicate	28.0	mg/L	0.235	1.02	03/09/22 15:47 CAK		28.0			0.204	20	M141644
Matrix Spike	129	mg/L	0.239	1.04	03/09/22 15:51 CAK	100	28.0	101	69.5 - 130.4			M141644
Iron - EPA 200.7 R4.4												<i>Bryan</i>
Blank	<0.010	mg/L	0.002	0.010	03/09/22 14:37 CAK							M141641
LCS	0.907	mg/L	0.002	0.010	03/09/22 14:40 CAK	1.00		90.7	84.5 - 115.4			M141641
LCS Dup	0.917	mg/L	0.002	0.010	03/09/22 14:44 CAK	1.00		91.7	84.5 - 115.4	1.11	20	M141641
Duplicate	<0.010	mg/L	0.002	0.010	03/09/22 14:47 CAK		0.010			5.81	20	M141641
Matrix Spike	0.928	mg/L	0.002	0.010	03/09/22 14:50 CAK	1.00	0.010	91.9	69.5 - 130.4			M141641
Manganese - EPA 200.7 R4.4												<i>Bryan</i>
Blank	<0.005	mg/L	0.002	0.005	03/09/22 14:38 CAK							M141641
LCS	0.949	mg/L	0.002	0.005	03/09/22 14:41 CAK	1.00		94.9	84.5 - 115.4			M141641
LCS Dup	0.942	mg/L	0.002	0.005	03/09/22 14:44 CAK	1.00		94.2	84.5 - 115.4	0.704	20	M141641
Duplicate	<0.005	mg/L	0.002	0.005	03/09/22 14:48 CAK		<0.005				20	M141641
Matrix Spike	0.936	mg/L	0.002	0.005	03/09/22 14:51 CAK	1.00	<0.005	93.6	69.5 - 130.4			M141641
Sodium - EPA 200.7 R4.4												<i>Bryan</i>
Blank	<0.102	mg/L	0.011	0.102	03/09/22 15:37 CAK							M141644
LCS	10.2	mg/L	0.011	0.104	03/09/22 15:40 CAK	10.0		102	84.5 - 115.4			M141644
LCS Dup	9.17	mg/L	0.011	0.104	03/09/22 15:44 CAK	10.0		91.7	84.5 - 115.4	10.2	20	M141644
Duplicate	101	mg/L	0.112	1.02	03/09/22 15:47 CAK		106			5.23	20	M141644
Matrix Spike	198	mg/L	0.114	1.04	03/09/22 15:51 CAK	100	106	91.9	69.5 - 130.4			M141644

Preparation Procedures - Quality Control

Result	Units	Notes	MDL	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	RPD	RPD Limit	Batch
Turbidity - SM2130 B 2011												<i>Bryan</i>
Blank	<0.4	NTU	0.2	0.4	03/07/22 15:29 CAK							M141601

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Sample Preparation Summary

Sample	Method	Prepared	Lab	Bottle	Initial	Units	Final	Units	External Dilution Factor	Batch
F007835-01										
Calcium	EPA 200.7 R4.4	3/8/22 10:03 CAK	Bryan	B	1.00	mL	10.2	mL	1	M141644
Field pH	Client	3/2/22 9:00 CLT	Bryan	-	-	-	-	-	-	M138106
Iron	EPA 200.7 R4.4	3/8/22 10:03 CAK	Bryan	B	10.0	mL	10.2	mL	1	M141641
Manganese	EPA 200.7 R4.4	3/8/22 10:03 CAK	Bryan	B	10.0	mL	10.2	mL	1	M141641
Sample Acidified to pH<2 in Lab	N/A	3/2/22 14:00 KK	Austin	B	1.00	mL	1.00	mL	1	M138107
Sodium	EPA 200.7 R4.4	3/8/22 10:03 CAK	Bryan	B	1.00	mL	10.2	mL	1	M141644
Specific Conductance (adjusted to 25.0°C)	SM2510 B 2011	3/7/22 10:15 KT	Austin	C	25.0	mL	25.0	mL	1	M141577
Subcontract	Sub Contract Data Entry	3/17/22 12:49 PMY	Bryan	-	-	-	-	-	-	M142066
Temperature	Client	3/2/22 9:00 CLT	Bryan	-	-	-	-	-	-	M138106
Total Alkalinity as CaCO3 (pH4.5)	SM2320 B 2011	3/7/22 7:39 ATG	Bryan	D	50.0	mL	200	mL	1	M141562
Total Dissolved Solids	SM2540 C 2015	3/7/22 15:49 KT	Austin	C	50.0	mL	100	mL	1	M141588
Total Hardness (EDTA) as CaCO3	SM2340 C 2011	3/17/22 11:15 ABM	Bryan	B	50.0	mL	50.0	mL	1	M142064
Turbidity	SM2130 B 2011	3/7/22 15:29 CAK	Bryan	B	10.0	mL	10.0	mL	1	M141601
F007835-02										
Calcium	EPA 200.7 R4.4	3/8/22 10:03 CAK	Bryan	B	1.00	mL	10.2	mL	1	M141644
Field pH	Client	3/2/22 9:15 CLT	Bryan	-	-	-	-	-	-	M138106
Iron	EPA 200.7 R4.4	3/8/22 10:03 CAK	Bryan	B	10.0	mL	10.2	mL	1	M141641
Manganese	EPA 200.7 R4.4	3/8/22 10:03 CAK	Bryan	B	10.0	mL	10.2	mL	1	M141641
Sample Acidified to pH<2 in Lab	N/A	3/2/22 14:00 KK	Austin	B	1.00	mL	1.00	mL	1	M138107
Sodium	EPA 200.7 R4.4	3/8/22 10:03 CAK	Bryan	B	1.00	mL	10.2	mL	1	M141644
Specific Conductance (adjusted to 25.0°C)	SM2510 B 2011	3/7/22 10:15 KT	Austin	C	25.0	mL	25.0	mL	1	M141577
Subcontract	Sub Contract Data Entry	3/17/22 12:49 PMY	Bryan	-	-	-	-	-	-	M142066
Temperature	Client	3/2/22 9:15 CLT	Bryan	-	-	-	-	-	-	M138106
Total Alkalinity as CaCO3 (pH4.5)	SM2320 B 2011	3/7/22 7:39 ATG	Bryan	D	50.0	mL	200	mL	1	M141562
Total Dissolved Solids	SM2540 C 2015	3/7/22 15:49 KT	Austin	C	50.0	mL	100	mL	1	M141588
Total Hardness (EDTA) as CaCO3	SM2340 C 2011	3/11/22 8:23 ABM	Bryan	B	50.0	mL	50.0	mL	1	M141838
Turbidity	SM2130 B 2011	3/7/22 15:29 CAK	Bryan	B	10.0	mL	10.0	mL	1	M141601

Project
1002202

Printed 03/10/2022 9:26

AQU1-G

Aqua-Tech Laboratories
John Brien
635 Phil Gramm Blvd.
Bryan, TX 77807-9104

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WQP TX2270422

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1002202_r99_09_CoC__1_of_1	Ana-Lab CoC AQU1 1002202_1_of_1	5
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Email: projectmanger@ana-lab.com



SAMPLE CROSS REFERENCE

Project

1002202

Printed

3/10/2022

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WQP TX2270422

Aqua-Tech Laboratories
John Brien
635 Phil Gramm Blvd.
Bryan, TX 77807-9104

Sample	Sample ID	Taken	Time	Received
2070710	F007835-01	03/02/2022	09:00:00	03/03/2022

Bottle 01 Client supplied plastic

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 300.0 2.1	01	997072	03/08/2022	997072	03/08/2022

Sample	Sample ID	Taken	Time	Received
2070711	F007835-02	03/02/2022	09:15:00	03/03/2022

Bottle 01 Client supplied plastic

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 300.0 2.1	01	997072	03/08/2022	997072	03/08/2022

Email: projectmanger@ana-lab.com



Report Page 2 of 10

AQU1-G

Aqua-Tech Laboratories
John Brien
635 Phil Gramm Blvd.
Bryan, TX 77807-9104

Project
1002202

Printed: 03/10/2022

WQP TX2270422

RESULTS

Sample Results

2070710 F007835-01

Received: 03/03/2022

Drinking Water

Collected by: G CAFFEY
Taken: 03/02/2022

Aqua-Tech Laboratori
09:00:00

PO:

EPA 300.0 2.1

Prepared: 997072 03/08/2022 12:54:00 Analyzed 997072 03/08/2022 12:54:00 MDE

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Chloride	42.9	mg/L	5.00			01
NELAC	Sulfate	22.7	mg/L	5.00			01

2070711 F007835-02

Received: 03/03/2022

Drinking Water

Collected by: G CAFFEY
Taken: 03/02/2022

Aqua-Tech Laboratori
09:15:00

PO:

EPA 300.0 2.1

Prepared: 997072 03/08/2022 13:23:00 Analyzed 997072 03/08/2022 13:23:00 MDE

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Chloride	41.9	mg/L	5.00			01
NELAC	Sulfate	22.3	mg/L	5.00			01

Sample Preparation

2070710 F007835-01

Received: 03/03/2022

03/02/2022

Prepared: 03/07/2022 16:30:00 Analyzed 03/07/2022 16:30:00 MG3

Return Cooler with bottles

Returned



Report Page 3 of 10

AQU1-G

Aqua-Tech Laboratories
John Brien
635 Phil Gramm Blvd.
Bryan, TX 77807-9104

Project
1002202

Printed: 03/10/2022

2070710 F007835-01

Received: 03/03/2022

03/02/2022

Prepared: 03/10/2022 00:00:00 Analyzed 03/10/2022 00:00:00 BMS

TCEQ WQP Form

See Attached

2070711 F007835-02

Received: 03/03/2022

03/02/2022

Prepared: 03/07/2022 16:30:00 Analyzed 03/07/2022 16:30:00 MG3

Return Cooler with bottles

Returned

Qualifiers:

We report results on an As Received (or Wet) basis unless marked 'Dry Weight'. Unless otherwise noted, testing was performed at Ana-lab corporate laboratory which holds International, Federal, and state accreditations. Please see <https://www.ana-lab-work.com/index.php/accreditations/>

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of Ana-Lab Corp. Unless otherwise specified, these test results meet the requirements of NELAP.

RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.

Bill Peery

Bill Peery, MS, VP Technical Services



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AQU1-G

Aqua-Tech Laboratories
John Brien
635 Phil Gramm Blvd.
Bryan, TX 77807-9104

Project
1002202

Printed 03/10/2022

Analytical Set **997072**

EPA 300.0 2.1

Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MQL</u>	<u>Units</u>	<u>File</u>
Chloride	997072	ND	0.0211	0.100	mg/L	123355846
Sulfate	997072	ND	0.133	0.300	mg/L	123355846

CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Chloride	10.1	10.0	mg/L	101	90.0 - 110	123355843
Chloride	10.7	10.0	mg/L	107	90.0 - 110	123355858
Chloride	10.7	10.0	mg/L	107	90.0 - 110	123355873
Sulfate	9.69	10.0	mg/L	96.9	90.0 - 110	123355843
Sulfate	10.3	10.0	mg/L	103	90.0 - 110	123355858
Sulfate	10.3	10.0	mg/L	103	90.0 - 110	123355873

LCS Dup

<u>Parameter</u>	<u>PrepSet</u>	<u>LCS</u>	<u>LCSD</u>	<u>Known</u>	<u>Limits%</u>	<u>LCS%</u>	<u>LCSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Chloride	997072	5.15	5.20	5.00	85.0 - 115	103	104	mg/L	0.966	20.0
Sulfate	997072	4.87	4.94	5.00	88.0 - 115	97.4	98.8	mg/L	1.43	20.0

MSD

<u>Parameter</u>	<u>Sample</u>	<u>MS</u>	<u>MSD</u>	<u>UNK</u>	<u>Known</u>	<u>Limits</u>	<u>MS%</u>	<u>MSD%</u>	<u>Units</u>	<u>RPD</u>	<u>Limit%</u>
Chloride	2070710	52.1	52.1	42.9	10.0	80.0 - 120	92.0	92.0	mg/L	0	20.0
Sulfate	2070710	32.5	32.1	22.7	10.0	80.0 - 120	98.0	94.0	mg/L	4.17	20.0
Chloride	2070711	51.4	51.4	41.9	10.0	80.0 - 120	95.0	95.0	mg/L	0	20.0
Sulfate	2070711	31.6	32.2	22.3	10.0	80.0 - 120	93.0	99.0	mg/L	6.25	20.0

* Out RPD is Relative Percent Difference: $\text{abs}(r_1 - r_2) / \text{mean}(r_1, r_2) * 100\%$

Recover% is Recovery Percent: $\text{result} / \text{known} * 100\%$

Blank - Method Blank; CCV - Continuing Calibration Verification



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER QUALITY PARAMETER MONITORING FORM 20679

Report Page 6 of 10

3/9/2022, 10:18 AM

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1002202 CoC Print Group 001 of 001

170

CORRECTED

[illegible]

1002202 CoC Print Group 001 of 001

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY WATER QUALITY PARAMETER MONITORING FORM 20679															F007835	
Completed by PWS (or Agent)															Completed by Laboratory	
PWS Name: City Of Pflugerville										Laboratory Name:						
PWS ID#: TX 2270422										TCEQ Lab ID #:						
PWS Address: P.O. Box 589 Pflugerville TX 78691										Laboratory Address: Aqua-Tech Laboratories, Inc. 835 Phil Gramm Blvd Bryan, TX 77807 TX 239						
PWS Contact: Brian Camp										Laboratory Contact: Marianne Guzman 979-778-3707						
PWS Contact Phone #: (512) 845-6231										Laboratory Contact Phone #:						
Inhibitor or Stabilizer Used (Y/N):										Laboratory Contact Phone #:						
TREATMENT										Laboratory Contact Phone #:						
Sample Information										Parameters Requested: Analyses are required for the parameters checked. * If inhibitors containing phosphate or silica are used, then these parameters should also be analyzed depending on which is in use.						
Sample Type (Y/N): X Compliance										Sample Collector (Y/N): X Public Water System						
Sample Collector (Y/N): X Accredited Lab										3rd Party Contractor --> LAB ID AL						
Temperature and pH (Y or N): X Are temperature and pH included on the sampling entity's Laboratory Approval Form on file at the TCEQ?										X Were temperature and pH measured in the field within 15 minutes of sample collection?						
Sample Collection															Field Measurements	
Date (MMDDYY)															Time - 24 hr (HHMM)	
pH															Temp (°C)	
Sample Location															Replacement?	
Original Sample ID #															Original Sample Date (MMDDYY)	
Lab Sample ID															Lab Sample ID	
Alkalinity (1827)															Calcium (1819)	
Chloride (1817)															Conductivity (1064)	
Hardness (1815)															Iron (1028)	
Manganese (1032)															Sodium (1052)	
Sulfate (1055)															TDS (1800)	
O-Phosphate (1044)															Silica (1049)	
I acknowledge that information on this form is true and correct and sites selected for sampling follow the instructions in the TCEQ Monitoring and Sample Collection Guidance for Water Quality Parameters. This includes, but not limited to the measurement of pH and temperature immediately upon collection. Falsification of this form or tampering with water samples is a crime punishable under state and/or federal law. (Texas Penal Code, Title 8, Chapter 37.10)															Sample Conditions Upon Receipt (Y)	
Name of Authorized PWS Representative (Print)															Signature	
Organization															Date	
Pflugerville															03/02/2022	
Date & Time of Sample Preservation (Acidified):															Thermometer ID #:	
030222@1400															0764480	
Chain of Custody															Laboratory Comments:	
Relinquished By (Signature)															Date/Time:	
Received By (Signature)															Date/Time:	
Relinquished By Courier (Signature)															Date/Time:	
Received By Lab (Signature)															Date/Time:	
Kelly Kukowski															3/2/22 1305	

1002202 CoC Print Group 001 of 001



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:

Ana-Lab Corp. (NELAP Cert. T104704201)
2600 Dudley Road
Kilgore, TX 75662
Phone: (903) 984-0551
Fax: (903) 984-5914

C-O-C #

8 - F007835

T104704371

Page 1 of 1

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: F007835-01	Sampled: 03/02/22 09:00	Matrix: Drinking Water	Laboratory ID >>	2070710
Chloride - EPA 300.0	SO4 DW - EPA 300.0				
Analysis Request for:	Sample ID: F007835-02	Sampled: 03/02/22 09:15	Matrix: Drinking Water	Laboratory ID >>	L 711
Chloride - EPA 300.0	SO4 DW - EPA 300.0				

CONTAINERS SUPPLIED:

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

() F007835-01 [A] - [SUB] ANA CI SO4 1LP
() F007835-02 [A] - [SUB] ANA CI SO4 1LP

See Attached for
Tracking # and Temp

Relinquished by: (print & sign) ☒ ATL-Austin ☐ ATL-Bryan ☐ Sampler	Date 3/2/22	Time 14:39	☒ Iced ☐ Custody Sealed ☐ 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											
Carrier & Tracking Number: Lone Star	Cooler 1: aqu1 Z1007569		Sample Info "X" at that apply	Aqua-Tech Comments and Special Instructions 5 DAY TAT Samples and field data collected by G. Caffey BRET											
Received by: (print & sign) ☒ Received in Lab	Date 3/3/22	Time 10:00	☒ Received Iced ☐ CTU ☐ Condition Good ☐ Not Rec'd Iced												
Line below documents condition at receipt in lab (shipped to) listed above. <table border="1"> <tr> <td>Cooler Temperature (°C)</td> <td>Temp. Read (TR)</td> <td>Corrected Temp. (CT)</td> <td>Thermometer ID</td> </tr> <tr> <td>Cooler 1</td> <td></td> <td></td> <td></td> </tr> <tr> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td></td> </tr> </table>					Cooler Temperature (°C)	Temp. Read (TR)	Corrected Temp. (CT)	Thermometer ID	Cooler 1				N/A	N/A	N/A
Cooler Temperature (°C)	Temp. Read (TR)	Corrected Temp. (CT)	Thermometer ID												
Cooler 1															
N/A	N/A	N/A													
Please email reports to: reporting@aquatechlabs.com Please return cooler(s) to: Austin Facility															

1002202 CoC Print Group 001 of 001

2/28/2022

<https://www2.lso.com/weblabels/?labelsize=1&combined>

Airbill No. Z1007J69

LSO
1-800-800-8984
www.lso.com

SHIP TO:
SAMPLE RECIEVING
ANA-LAB CORP
2600 DUDLEY RD
KILGORE, TX 75662
9039840551

From:
KELLY KUKOWSKI
AQUA-TECH LABORATORIES
3512 MONTOPOLIS DR.
SUITE A
AUSTIN, TX 78735
5123019559

B**GGG**

LSO PRIORITY NEXT DAY
10:30 IN MOST CITIES
LATER IN REMOTE CITIES

PRINT DATE: 2/28/2022 REF 3:
QUICKCODE: ANA-LAB WEIGHT: 20.00LBS
REF 1: AQUIS-LABELS 1D00V.0000 REC 2

3/3 1011 14
Date Time Tech
Temp: 3.5/3.6 C
Therm#: 6443 Corr Fact: 0.1 C

<https://www2.lso.com/weblabels/?labelsize=1&combinedlabel=1&sessionkey=%7BE92C5614-BC8E-457>