

Email information for report date:

12/16/19 16:50

C035399

AWR SERVICES INC

Attn: Mike Bamer

500 N Capital of Texas Hwy Bldg 1 Suite 125
AUSTIN, TX 78746

Submission forms:

Due to updates by TCEQ, the submission form used for Drinking Water Revised Coliform Rule has been updated. Please contact us if you need a copy of this new Chain of Custody form.

Aqua-Tech values you as a customer and encourages you to speak with our sampling staff at 979-778-3707 option 2 or samplingbryan@aqua-techlabs.com if you have questions.

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

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Fax: (979) 778-3193



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Austin, TX 78735
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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 required by the State of Texas.
DWP	Accreditation 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'. Below the signature is the printed name '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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TCEQ DW Lab ID TX 239

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Analytical Report**AWR SERVICES INC****Report Printed:****12/16/19****16:50****C035399**

The following notes apply to Work Order **C035399**

Please see the attached sub-contract report for sub-contracted analysis.

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Analytical Report

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18606 VENTURE DRIVE (DS01)			Collected: 11/06/19 09:50 by Audrey Landrum Received: 11/06/19 14:35 by Audrey Landrum				Type Grab	Matrix Drinking Water		C-O-C # 295634	
Lab ID#	C035399-03	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch
Field Parameters											
Field pH	7.9		Std Units		0.01	0.01	0.1	Austin	At Collection	SM4500-H+ B 2000	M105441 DWP
Temperature	24.1		Deg. C		0.1	0.1	0.1	Austin	At Collection	SM2550 B 2000	M105441 DWP
General Chemistry											
Total Dissolved Solids	282		mg/L		25.0	50.0	50.0	Bryan	11/08/19 16:22 MRH	SM2540 C 2011	M105767 NEL
Total Alkalinity as CaCO3 (pH4.5)	157		mg/L		4.00	16.0	16.0	Bryan	11/11/19 08:45 MRH	SM2320 B 2011	M105807 DWP
Total Hardness (EDTA) as CaCO3	178		mg/L		1.00	1.00	1.00	Bryan	11/13/19 11:10 MRH	SM2340 C 2011	M105904 NEL
Specific Conductance (adjusted to 25.0°C)	453		uS/cm		2.00	2.00	2.00	Bryan	11/08/19 08:57 CJO	SM2510 B 2011	M105725 DWP,NEL
Metals (Total)											
Calcium	37.9		mg/L		0.023	0.235	1.02	Bryan	11/19/19 15:27 PNS	EPA 200.7 R4.4	M106102 DWP
Iron	<0.010		mg/L		0.002	0.002	0.010	Bryan	11/19/19 16:27 PNS	EPA 200.7 R4.4	M106103 NEL
Manganese	<0.005		mg/L		0.002	0.002	0.005	Bryan	11/19/19 16:27 PNS	EPA 200.7 R4.4	M106103 NEL
Sodium	24.8		mg/L		0.011	0.112	1.02	Bryan	11/19/19 15:27 PNS	EPA 200.7 R4.4	M106102 NEL
WTP 18236 LAKE POINT (PBCU001)			Collected: 11/06/19 09:57 by Audrey Landrum Received: 11/06/19 14:35 by Audrey Landrum				Type Grab	Matrix Drinking Water		C-O-C # 295634	
Lab ID#	C035399-01	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch
Field Parameters											
Field pH	7.6		Std Units		0.01	0.01	0.1	Austin	At Collection	SM4500-H+ B 2000	M105441 DWP
Temperature	26.1		Deg. C		0.1	0.1	0.1	Austin	At Collection	SM2550 B 2000	M105441 DWP
General Chemistry											
Total Dissolved Solids	270		mg/L		25.0	50.0	50.0	Bryan	11/08/19 16:22 MRH	SM2540 C 2011	M105767 NEL
Total Alkalinity as CaCO3 (pH4.5)	157		mg/L		4.00	16.0	16.0	Bryan	11/11/19 08:45 MRH	SM2320 B 2011	M105807 DWP
Total Hardness (EDTA) as CaCO3	177		mg/L		1.00	1.00	1.00	Bryan	11/13/19 11:10 MRH	SM2340 C 2011	M105904 NEL
Specific Conductance (adjusted to 25.0°C)	447		uS/cm		2.00	2.00	2.00	Bryan	11/08/19 08:57 CJO	SM2510 B 2011	M105725 DWP,NEL
Metals (Total)											
Calcium	37.6		mg/L		0.023	0.235	1.02	Bryan	11/19/19 15:20 PNS	EPA 200.7 R4.4	M106102 DWP
Iron	<0.010		mg/L		0.002	0.002	0.010	Bryan	11/19/19 16:20 PNS	EPA 200.7 R4.4	M106103 NEL
Manganese	<0.005		mg/L		0.002	0.002	0.005	Bryan	11/19/19 16:20 PNS	EPA 200.7 R4.4	M106103 NEL
Sodium	24.4		mg/L		0.011	0.112	1.02	Bryan	11/19/19 15:20 PNS	EPA 200.7 R4.4	M106102 NEL

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C035399

18241 LAKE POINT (DS01)			Collected: 11/06/19 10:08 by Audrey Landrum Received: 11/06/19 14:35 by Audrey Landrum				Type	Matrix		C-O-C #	
Lab ID#	C035399-02	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch
Field Parameters											
Field pH	7.6	Std Units			0.01	0.01	0.1	Austin	At Collection	SM4500-H+ B 2000	M105441 DWP
Temperature	24.9	Deg. C			0.1	0.1	0.1	Austin	At Collection	SM2550 B 2000	M105441 DWP
General Chemistry											
Total Dissolved Solids	298	mg/L			25.0	50.0	50.0	Bryan	11/08/19 16:22 MRH	SM2540 C 2011	M105767 NEL
Total Alkalinity as CaCO3 (pH4.5)	144	mg/L			4.00	16.0	16.0	Bryan	11/11/19 08:45 MRH	SM2320 B 2011	M105807 DWP
Total Hardness (EDTA) as CaCO3	178	mg/L			1.00	1.00	1.00	Bryan	11/13/19 11:10 MRH	SM2340 C 2011	M105904 NEL
Specific Conductance (adjusted to 25.0°C)	451	uS/cm			2.00	2.00	2.00	Bryan	11/08/19 08:57 CJO	SM2510 B 2011	M105725 DWP,NEL
Metals (Total)											
Calcium	36.4	mg/L			0.023	0.235	1.02	Bryan	11/19/19 15:24 PNS	EPA 200.7 R4.4	M106102 DWP
Iron	<0.010	mg/L			0.002	0.002	0.010	Bryan	11/19/19 16:23 PNS	EPA 200.7 R4.4	M106103 NEL
Manganese	<0.005	mg/L			0.002	0.002	0.005	Bryan	11/19/19 16:23 PNS	EPA 200.7 R4.4	M106103 NEL
Sodium	22.2	mg/L			0.011	0.112	1.02	Bryan	11/19/19 15:24 PNS	EPA 200.7 R4.4	M106102 NEL

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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>Bryan</i>
Initial Cal Check	488	uS/cm			11/08/19 08:57 CJO	472		103	85 - 115			1911093
Blank	<2.00	uS/cm	2.00	2.00	11/08/19 08:57 CJO							M105725
Duplicate	453	uS/cm	2.00	2.00	11/08/19 08:57 CJO		453			0.00	2	M105725
LCS	1440	uS/cm	2.00	2.00	11/08/19 08:57 CJO	1410		102	90 - 110			M105725
Total Alkalinity as CaCO3 (pH4.5) - SM2320 B 2011												<i>Bryan</i>
Initial Cal Check	6.92	mg/L			11/11/19 08:45 MRH	6.86		101	97 - 103			1911108
Initial Cal Check	9.24	mg/L			11/11/19 08:45 MRH	9.18		101	97 - 103			1911108
Duplicate	156	mg/L	16.0	16.0	11/11/19 08:45 MRH		157			0.639	4.26	M105807
LCS	81.0	mg/L	16.0	16.0	11/11/19 08:45 MRH	80.0		101	90.1 - 108			M105807
LCS Dup	80.0	mg/L	16.0	16.0	11/11/19 08:45 MRH	80.0		100	90.1 - 108	1.24	8.73	M105807
MRL Check	20.0	mg/L	16.0	16.0	11/11/19 08:45 MRH	20.0		100	70 - 130			M105807
Total Dissolved Solids - SM2540 C 2011												<i>Bryan</i>
Blank	<25.0	mg/L	25.0	25.0	11/08/19 16:22 MRH							M105767
Duplicate	274	mg/L	50.0	50.0	11/08/19 16:22 MRH		270			1.47	9.13	M105767
Reference	508	mg/L	100	100	11/08/19 16:22 MRH	500		102	81 - 121			M105767
Total Hardness (EDTA) as CaCO3 - SM2340 C 2011												<i>Bryan</i>
Initial Cal Check	54.0	mg/L			11/13/19 11:10 MRH	54.4		99.3	85 - 115			1911134
Blank	<1.00	mg/L	1.00	1.00	11/13/19 11:10 MRH							M105904
Duplicate	178	mg/L	1.00	1.00	11/13/19 11:10 MRH		178			0.00	9.52	M105904
LCS	100	mg/L	1.00	1.00	11/13/19 11:10 MRH	100		100	90 - 110			M105904
LCS Dup	100	mg/L	1.00	1.00	11/13/19 11:10 MRH	100		100	90 - 110	0.00	6.47	M105904
Matrix Spike	278	mg/L	1.00	1.00	11/13/19 11:10 MRH	100	178	100	87.6 - 111			M105904
MRL Check	4.00	mg/L	1.00	1.00	11/13/19 11:10 MRH	4.00		100	70 - 130			M105904
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	11/19/19 14:49 PNS							M106102
LCS	9.00	mg/L	0.024	0.104	11/19/19 14:52 PNS	10.0		90.0	84.5 - 115.4			M106102
LCS Dup	9.04	mg/L	0.024	0.104	11/19/19 14:56 PNS	10.0		90.4	84.5 - 115.4	0.497	20	M106102
Duplicate	37.8	mg/L	0.235	1.02	11/19/19 14:59 PNS		37.9			0.0673	20	M106102
Matrix Spike	128	mg/L	0.239	1.04	11/19/19 15:16 PNS	100	37.9	90.0	69.5 - 130.4			M106102

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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
Iron - EPA 200.7 R4.4												<i>Bryan</i>
Blank	<0.010	mg/L	0.002	0.010	11/19/19 15:35 PNS							M106103
LCS	0.971	mg/L	0.002	0.010	11/19/19 15:38 PNS	1.00		97.1	84.5 - 115.4			M106103
LCS Dup	0.935	mg/L	0.002	0.010	11/19/19 15:41 PNS	1.00		93.5	84.5 - 115.4	3.76	20	M106103
Duplicate	<0.010	mg/L	0.002	0.010	11/19/19 15:45 PNS		<0.010				20	M106103
Matrix Spike	0.856	mg/L	0.002	0.010	11/19/19 15:48 PNS	1.00	<0.010	85.6	69.5 - 130.4			M106103
Manganese - EPA 200.7 R4.4												<i>Bryan</i>
Blank	<0.005	mg/L	0.002	0.005	11/19/19 15:35 PNS							M106103
LCS	0.948	mg/L	0.002	0.005	11/19/19 15:38 PNS	1.00		94.8	84.5 - 115.4			M106103
LCS Dup	0.910	mg/L	0.002	0.005	11/19/19 15:41 PNS	1.00		91.0	84.5 - 115.4	4.14	20	M106103
Duplicate	<0.005	mg/L	0.002	0.005	11/19/19 15:45 PNS		<0.005				20	M106103
Matrix Spike	0.846	mg/L	0.002	0.005	11/19/19 15:48 PNS	1.00	<0.005	84.6	69.5 - 130.4			M106103
Sodium - EPA 200.7 R4.4												<i>Bryan</i>
Blank	<0.102	mg/L	0.011	0.102	11/19/19 14:49 PNS							M106102
LCS	8.93	mg/L	0.011	0.104	11/19/19 14:52 PNS	10.0		89.3	84.5 - 115.4			M106102
LCS Dup	9.13	mg/L	0.011	0.104	11/19/19 14:56 PNS	10.0		91.3	84.5 - 115.4	2.24	20	M106102
Duplicate	24.2	mg/L	0.112	1.02	11/19/19 14:59 PNS		24.8			2.35	20	M106102
Matrix Spike	119	mg/L	0.114	1.04	11/19/19 15:16 PNS	100	24.8	94.0	69.5 - 130.4			M106102
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>
Initial Cal Check	6.1	NTU			10/02/19 10:00 MRH	6.55		92.8	90 - 110			1910020
Low Cal Check	1.1	NTU			10/02/19 10:00 MRH	1.02		110	70 - 130			1910020

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Sample Preparation Summary

Sample	Method	Prepared	Lab	Bottle	Initial	Units	Final	Units	External Dilution Factor	Batch
C035399-01										
Calcium	EPA 200.7 R4.4	11/18/19 11:29 PNS	Bryan	C	1.00	mL	10.2	mL	1	M106102
Iron	EPA 200.7 R4.4	11/18/19 11:24 PNS	Bryan	C	10.0	mL	10.2	mL	1	M106103
Manganese	EPA 200.7 R4.4	11/18/19 11:24 PNS	Bryan	C	10.0	mL	10.2	mL	1	M106103
Sample Acidified to pH<2 in Lab	N/A	11/6/19 16:40 KK	Bryan	C	500	mL	500	mL	1	M105675
Sodium	EPA 200.7 R4.4	11/18/19 11:29 PNS	Bryan	C	1.00	mL	10.2	mL	1	M106102
Specific Conductance (adjusted to 25.0°C)	SM2510 B 2011	11/8/19 8:57 CJO	Bryan	B	25.0	mL	25.0	mL	1	M105725
Total Alkalinity as CaCO ₃ (pH4.5)	SM2320 B 2011	11/11/19 8:45 MRH	Bryan	A	50.0	mL	200	mL	1	M105807
Total Dissolved Solids	SM2540 C 2011	11/8/19 16:22 MRH	Bryan	B	50.0	mL	100	mL	1	M105767
Total Hardness (EDTA) as CaCO ₃	SM2340 C 2011	11/13/19 11:10 MRH	Bryan	C	50.0	mL	50.0	mL	1	M105904
Turbidity	SM2130 B 2011	11/12/19 9:56 AOG	Bryan	C	10.0	mL	10.0	mL	1	M105860
C035399-02										
Calcium	EPA 200.7 R4.4	11/18/19 11:29 PNS	Bryan	C	1.00	mL	10.2	mL	1	M106102
Iron	EPA 200.7 R4.4	11/18/19 11:24 PNS	Bryan	C	10.0	mL	10.2	mL	1	M106103
Manganese	EPA 200.7 R4.4	11/18/19 11:24 PNS	Bryan	C	10.0	mL	10.2	mL	1	M106103
Sample Acidified to pH<2 in Lab	N/A	11/6/19 16:40 KK	Bryan	C	500	mL	500	mL	1	M105675
Sodium	EPA 200.7 R4.4	11/18/19 11:29 PNS	Bryan	C	1.00	mL	10.2	mL	1	M106102
Specific Conductance (adjusted to 25.0°C)	SM2510 B 2011	11/8/19 8:57 CJO	Bryan	B	25.0	mL	25.0	mL	1	M105725
Total Alkalinity as CaCO ₃ (pH4.5)	SM2320 B 2011	11/11/19 8:45 MRH	Bryan	A	50.0	mL	200	mL	1	M105807
Total Dissolved Solids	SM2540 C 2011	11/8/19 16:22 MRH	Bryan	B	50.0	mL	100	mL	1	M105767
Total Hardness (EDTA) as CaCO ₃	SM2340 C 2011	11/13/19 11:10 MRH	Bryan	C	50.0	mL	50.0	mL	1	M105904
Turbidity	SM2130 B 2011	11/12/19 9:56 AOG	Bryan	C	10.0	mL	10.0	mL	1	M105860
C035399-03										
Calcium	EPA 200.7 R4.4	11/18/19 11:29 PNS	Bryan	C	1.00	mL	10.2	mL	1	M106102
Iron	EPA 200.7 R4.4	11/18/19 11:24 PNS	Bryan	C	10.0	mL	10.2	mL	1	M106103
Manganese	EPA 200.7 R4.4	11/18/19 11:24 PNS	Bryan	C	10.0	mL	10.2	mL	1	M106103
Sample Acidified to pH<2 in Lab	N/A	11/6/19 16:40 KK	Bryan	C	500	mL	500	mL	1	M105675
Sodium	EPA 200.7 R4.4	11/18/19 11:29 PNS	Bryan	C	1.00	mL	10.2	mL	1	M106102
Specific Conductance (adjusted to 25.0°C)	SM2510 B 2011	11/8/19 8:57 CJO	Bryan	B	25.0	mL	25.0	mL	1	M105725
Total Alkalinity as CaCO ₃ (pH4.5)	SM2320 B 2011	11/11/19 8:45 MRH	Bryan	A	50.0	mL	200	mL	1	M105807
Total Dissolved Solids	SM2540 C 2011	11/8/19 16:22 MRH	Bryan	B	50.0	mL	100	mL	1	M105767
Total Hardness (EDTA) as CaCO ₃	SM2340 C 2011	11/13/19 11:10 MRH	Bryan	C	50.0	mL	50.0	mL	1	M105904
Turbidity	SM2130 B 2011	11/12/19 9:56 AOG	Bryan	C	10.0	mL	10.0	mL	1	M105860

295634

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY WATER QUALITY PARAMETER MONITORING FORM 20679																							
Completed by PWS (or Agent)										Completed by Laboratory													
PWS Name:		Travis County WCID Point Venture								Laboratory Name:													
PWS ID#:		TX 2270038								TCEQ Lab ID #:		Aqua-Tech Laboratories, Inc. 635 Phil Gramm Blvd Bryan, TX 77807											
PWS Address:		18606 Venture Blvd, Lago Vista, Tx 78645								Laboratory Address:		TX 239 Marianne Guzman 978-775-3707											
PWS Contact:		Michael B. Bamer																					
PWS Contact Phone #:		512-402-1990								Laboratory Contact:													
Inhibitor or Stabilizer Used (✓):		Phosphate		Silica		Calcium carbonate																	
TREATMENT		Alkalinity Dosage Rate:		Inhibitor Dosage Rate:				Laboratory Contact Phone #:															
Sample Information																							
Sample Type (✓):		☒ Compliance		☐ Non-compliance						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 Collector (✓):		☐ Public Water System		☒ Accredited Lab		☐ 3rd Party Contractor --> LAB ID		AL															
Temperature and pH (Y or N):		☒ Are temperature and pH included on the sampling entity's Laboratory Approval Form on file at the TCEQ?		☒ 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	Date (MMDDYY)	Time - 24 hr (HHMM)	pH	Temp (°C)	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)	
PBCU001	EWQP	WTP 18236 Lakeland	11/06/19	4:57	7.60	24.1				-01A,B,C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
DS01	DSTWQP	18606 Venture	11/06/19	9:50	7.92	24.1				-02A,B,C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
DS02	DSTWQP	18241 Lakeland	11/06/19	10:08	7.60	24.9				-02A,B,C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
N/A											✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
N/A											✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
N/A											✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
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)		Signature		Organization		Date		Rejection Code (if applicable):		Actual / Corrected sample temperature:													
Marcelino V. Resa				AWR Services, Inc.		11/06/2019				21/2.1C													
Chain of Custody		Relinquished By (Signature)		Date/Time:		Relinquished By Courier (Signature)		Date/Time:		Date & Time of Sample Preservation (Acidified):		Thermometer ID #:											
								11-6-19 1435		11/06/19 1640		0715672											
								11-6-19 1435															
TCEQ 20679 (Rev 01/2018)																							

Corrected

295634

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY WATER QUALITY PARAMETER MONITORING FORM 20679																							
Completed by PWS (or Agent)										Completed by Laboratory													
PWS Name: Travis County WCID Point Venture					Laboratory Name:																		
PWS ID#: TX 2270038					TCEQ Lab ID #:					Aqua-Tech Laboratories, Inc. 635 Phil Gramm Blvd Bryan, TX 77807 TX 239													
PWS Address: 18606 Venture Blvd, Lago Vista, Tx 78645					Laboratory Address:					Marianne Guzman 979-778-3707													
PWS Contact: Michael B. Bamer					Laboratory Contact:																		
PWS Contact Phone #: 512-402-1990					Laboratory Contact:																		
Inhibitor or Stabilizer Used (✓):		Phosphate		Silica		Calcium carbonate																	
TREATMENT		Alkalinity Dosage Rate:		Inhibitor Dosage Rate:		Laboratory Contact Phone #:																	
Sample Information																							
Sample Type (✓):		X Compliance		Non-compliance																			
Sample Collector (✓):		Public Water System		X Accredited Lab		3rd Party Contractor --> LAB ID		AL															
Temperature and pH (Y or N):		Y		Are temperature and pH included on the sampling entity's Laboratory Approval Form on file at the TCEQ?		Y		Were temperature and pH measured in the field within 15 minutes of sample collection?		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.													
Facility ID (e.g. DS01, PBCU001)	Sample Point ID (e.g. DSTWQP, EWQP)	Sample Location	Sample Collection Date (MMDDYY)	Time - 24 hr (HHMM)	pH	Temp (°C)	Replacement?	Original Sample ID #	Original Sample Date (MMDDYY)	Lab Sample ID	Alkalinity (1027)	Calcium (1010)	Chloride (1017)	Conductivity (1064)	Hardness (1015)	Iron (1028)	Manganese (1002)	Sodium (1052)	Sulfate (1055)	TDS (1030)	O-Phosphate (1044)	Silica (1049)	
PBCU001	EWQP	WTP 18234 LakePoint	11/06/19	9:52	7.60	24.1				-01A.B.C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
DS01	DSTWQP	18606 Venture	11/06/19	9:50	7.92	24.1				-03A.B.C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
DS01	DSTWQP	18241 LakePoint	11/06/19	10:08	7.60	24.9				-02A.B.C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
NOTE																							
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)																							
Name of Authorized PWS Representative (Print)					Signature		Organization		Date		Sample Conditions Upon Receipt (✓)												
Marcelino V. Resa					<i>Marcelino V. Resa</i>		AWR Services, Inc.		11/06/2019		✓ Samples received unpreserved? ☒ Iced ☐ Ambient ☐ Actual / Corrected sample temperature: 21.2°C Rejection Code (if applicable): Date & Time of Sample Preservation (Acidified): 11/06/19 1640 Thermometer ID #: 0115672												
Chain of Custody					Relinquished By (Signature)		Date/Time:		Relinquished By Courier (Signature)		Date/Time:		Laboratory Comments:										
					<i>Marcelino V. Resa</i>				<i>Audrey Cardenas</i>		11-6-19 1435												
Received By Courier (Signature)					Date/Time:		Received By Lab (Signature)		Date/Time:														
									<i>Audrey Cardenas</i>		11-6-19 1435												



Ana-Lab Corp.
P.O. Box 9000
Kilgore, TX 75663
903/984-0551

LELAP-accredited #02008

Report

Table of Contents

Printed 11/21/2019

Page 1 of 1

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

Account

AQU5-C

Project

898877

Correction

This report consists of this Table of Contents and the following pages:

<u>Report Name</u>	<u>Description</u>	<u>Pages</u>
898877_r03_03_ProjectResults	Ana-Lab Project P:898877 C:AQU5 Project Results t:304	2
898877_r03_06_ProjectTRRP	Ana-Lab Project P:898877 C:AQU5 Project TRRP Results Report for Class	2
898877_r10_05_ProjectQC	Ana-Lab Project P:898877 C:AQU5 Project Quality Control Groups	2
898877_r99_09_CoC_1_of_1	Ana-Lab CoC AQU5 898877_1_of_1	1
Total Pages:		7



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NELAP-accredited #T104704201-19-15



Results

Printed: 11/21/2019 10:12

Page 1 of 2

898877

Report To

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

Correction

Account
AQU5-C

Results

1839956 C035399-01

Received: 11/08/2019

Drinking Water

Collected by: Client Aqua-Tech Laboratori

PO:

Taken: 11/06/2019 09:57:00

Supplement to Test Report 1836159

EPA 300.0 2.1

Prepared: 868298 11/11/2019 22:02:00 Analyzed 868298 11/11/2019 22:02:00 ATN

Parameter	Results	Units	RL	Flag	CAS	Bottle
N Chloride	39.5	mg/L	5.00			01
N Sulfate	23.5	mg/L	5.00			01

1839958 C035399-03

Received: 11/08/2019

Drinking Water

Collected by: Client Aqua-Tech Laboratori

PO:

Taken: 11/06/2019 09:50:00

Supplement to Test Report 1836160

EPA 300.0 2.1

Prepared: 868144 11/10/2019 08:30:00 Analyzed 868144 11/10/2019 08:30:00 ATN

Parameter	Results	Units	RL	Flag	CAS	Bottle
N Chloride	41.3	mg/L	5.00	P		01
N Sulfate	24.6	mg/L	5.00			01

1839959 C035399-02

Received: 11/08/2019

Drinking Water

Collected by: Client Aqua-Tech Laboratori

PO:

Taken: 11/06/2019 10:08:00

Supplement to Test Report 1836161

EPA 300.0 2.1

Prepared: 868144 11/10/2019 09:44:00 Analyzed 868144 11/10/2019 09:44:00 ATN

Parameter	Results	Units	RL	Flag	CAS	Bottle
N Chloride	39.7	mg/L	5.00			01
N Sulfate	36.5	mg/L	5.00			01

Sample Preparation





Results

Printed: 11/21/2019 10:12

Page 2 of 2

898877

1839956 C035399-01

Received: 11/08/2019

Prepared: 11/13/2019 00:00:00 Analyzed 11/13/2019 00:00:00 TWV

z TCEQ WQP Form

See attached

Qualifiers:

P - Spike recovery outside control limits due to matrix effects.

We report results on an As Received or wet basis unless marked Dry Weight. Unless otherwise noted, testing was performed at Ana-labs corporate laboratory that holds the following Federal and State certificates: EPA Lab Number TX00063, US Department of Agriculture Soil Import Permit P330-17-00117, Texas Commission on Environmental Quality Commercial Drinking Water Lab Approval (Lab ID: TX219), Texas Commission on Environmental Quality NELAP T104704201-19-15, Louisiana Department of Environmental Quality Laboratory Certification (NELAP, LELAP) #02008, Louisiana Department of Health and Hospitals Drinking Water (NELAP) Certificate No LA026, Oklahoma Department of Environmental Quality TNI Laboratory Accreditation Program Certificate No. 2018-126, Arkansas Department of Environmental Quality Certification #18-068-0. The Accredited column designates accreditation by N -- NELAC, or z -- not covered under NELAC scope of accreditation.

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 NELAC.

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, MS, VP Technical Services





Ana-Lab Corp. P.O. Box 9000 Kilgore, TX 75663

Phone 903/984-0551 FAX 903/984-5914 e-Mail corp@ana-lab.com

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Page 1 of 2

Results Summary

Project

898877

Report To

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

Correction

CAS

Parameter

Results

MDL

SDL

MQL

MQLAdj

Flag

Units

Target

Bottle

Dilute

Drinking Water

Ion Chromatography

EPA 300.0 2.1

1839956 **C035399-01**

Collection:

11/06/2019

09:57:00

Client

Received:

11/08/2019

Supplement to Test Report 1836159

Prepared:

868298

Analyzed:

868298

11/11/19

22:02:00

Chloride

39.5

0.0196

0.196

0.300

5.00

mg/L

5.00

01

10.00

Sulfate

23.5

0.0109

0.109

0.300

5.00

mg/L

5.00

01

10.00

1839958 **C035399-03**

Collection:

11/06/2019

09:50:00

Client

Received:

11/08/2019

Supplement to Test Report 1836160

Prepared:

868144

Analyzed:

868144

11/10/19

08:30:00

Chloride

41.3

0.0196

0.196

0.300

5.00

P

mg/L

5.00

01

10.00

Sulfate

24.6

0.0109

0.109

0.300

5.00

mg/L

5.00

01

10.00

1839959 **C035399-02**

Collection:

11/06/2019

10:08:00

Client

Received:

11/08/2019

Supplement to Test Report 1836161

Prepared:

868144

Analyzed:

868144

11/10/19

09:44:00

Chloride

39.7

0.0196

0.196

0.300

5.00

mg/L

5.00

01

10.00

Sulfate

36.5

0.0109

0.109

0.300

5.00

mg/L

5.00

01

10.00

MDL is Method Detection Limit (40 CFR 136 Appendix B)

SDL is Sample Detection Limit and is the adjusted MDL (sample specific dilutions, dry weight)

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Central TX Region: 8101 Cameron Road - Ste 3 Austin TX 78754



NELAP-accredited #T104704201-19-15



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Phone 903/984-0551 FAX 903/984-5914 e-Mail corp@ana-lab.com

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Page 2 of 2

Results Summary

Project

898877

Correction

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

MQL is the Method Quantitation Limit and corresponds to a low standard

Qualifiers:

P - Spike recovery outside control limits due to matrix effects.

MQLADJ is the Adjusted Method Quantitation Limit (dilutions, dry weight)

We report results on an As Received or wet basis unless marked Dry Weight. Unless otherwise noted, testing was performed at Ana-labs corporate laboratory that holds the following Federal and State certificates: EPA Lab Number TX00063, US Department of Agriculture Soil Import Permit P330-17-00117, Texas Commission on Environmental Quality Commercial Drinking Water Lab Approval (Lab ID: TX219), Texas Commission on Environmental Quality NELAP T104704201-19-15, Louisiana Department of Environmental Quality Laboratory Certification (NELAP, LELAP) #02008, Louisiana Department of Health and Hospitals Drinking Water (NELAP) Certificate No LA026, Oklahoma Department of Environmental Quality TNI Laboratory Accreditation Program Certificate No. 2018-126, Arkansas Department of Environmental Quality Certification #18-068-0. The Accredited column designates accreditation by N -- NELAC, or z -- not covered under NELAC scope of accreditation. 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 NELAC.

Bill Peery, MS, VP Technical Services



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NELAP-accredited #T104704201-19-15



Quality Control

Printed 11/21/2019

Page 1 of 2

898877

Report To

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

Account

AQU5-C

Analytical Set

868144

EPA 300.0 2.1

Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MDL</u>	<u>Units</u>	<u>File</u>
Chloride	868144	0.230	0.0196	0.300	mg/L	120590936
Sulfate	868144	0.019	0.0109	0.300	mg/L	120590936

CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Chloride	9.86	10.0	mg/L	98.6	90.0 - 110	120590933
	9.99	10.0	mg/L	99.9	90.0 - 110	120590948
	9.95	10.0	mg/L	99.5	90.0 - 110	120590962
Sulfate	9.98	10.0	mg/L	99.8	90.0 - 110	120590933
	10.2	10.0	mg/L	102	90.0 - 110	120590948
	10.2	10.0	mg/L	102	90.0 - 110	120590962

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	868144	4.76	4.80	5.00	85.0 - 110	95.2	96.0	mg/L	0.837	20.0
Sulfate	868144	5.09	5.12	5.00	88.0 - 110	102	102	mg/L	0.588	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	1836160	48.8	49.3	41.3	10.0	80.0 - 120	75.0 *	80.0	mg/L	6.45	20.0
Sulfate	1836160	33.9	34.1	24.6	10.0	80.0 - 120	93.0	95.0	mg/L	2.13	20.0
Chloride	1836161	48.3	48.3	39.7	10.0	80.0 - 120	86.0	86.0	mg/L	0	20.0
Sulfate	1836161	45.8	45.6	36.5	10.0	80.0 - 120	93.0	91.0	mg/L	2.17	20.0

Analytical Set

868298

EPA 300.0 2.1

Blank

<u>Parameter</u>	<u>PrepSet</u>	<u>Reading</u>	<u>MDL</u>	<u>MDL</u>	<u>Units</u>	<u>File</u>
Chloride	868298	0.025	0.0196	0.300	mg/L	120594952
Sulfate	868298	ND	0.0109	0.300	mg/L	120594952

CCV

<u>Parameter</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
Chloride	9.95	10.0	mg/L	99.5	90.0 - 110	120594949
	10.0	10.0	mg/L	100	90.0 - 110	120594966
Sulfate	10.0	10.0	mg/L	100	90.0 - 110	120594949
	10.1	10.0	mg/L	101	90.0 - 110	120594966

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	868298	4.87	4.85	5.00	85.0 - 110	97.4	97.0	mg/L	0.412	20.0
Sulfate	868298	5.11	5.11	5.00	88.0 - 110	102	102	mg/L	0	20.0





Quality Control

Printed 11/21/2019

Page 2 of 2

898877

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	1836159	48.3	48.6	39.5	10.0	80.0 - 120	88.0	91.0	mg/L	3.35	20.0
Sulfate	1836159	33.3	33.3	23.5	10.0	80.0 - 120	98.0	98.0	mg/L	0	20.0

* Out RPD is Relative Percent Difference: $\text{abs}(r1-r2) / \text{mean}(r1,r2) * 100\%$ Recover% is Recovery Percent: $\text{result} / \text{known} * 100\%$

Blank - Method Blank; CCV - Continuing Calibration Verification



898877 CoC Print Group 001 of 001

[illegible]