Mail & Email information for report date:

9/19/19 13:27

C017144

Due to the increase in operational costs, Aqua-Tech Laboratories will be implementing a slight price increase. The new price list will be effective June 1, 2019.

Aqua-Tech values you as a customer and encourages you to speak with accounting staff at 979-778-3707 ext. 4 or accounting@aqua-techlabs.com if you have questions.

Thank you for your business,

June M. Brien

Executive Technical Director

dpepin@sunsetvalley.org

Sunset Valley, City of

Attn: Daniel Pepin

3205 Jones Road

Sunset Valley, TX 78745

CORPORATE OFFICE
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AQUA-TECH LABORATORIES, INC.

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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.

TCEQ DW Lab ID TX 239

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

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Analytical Report

Sunset Valley, City of

Report Printed: 9/19/19 13:27

C017144

Sunset Valley 3205 Jones Rd Entry Point

Collected: 09/12/19 10:28 by CLIENT
Received: 09/12/19 14:02 by Kelly Kukowski

Type: Grab | *Matrix*: Drinking Water | *C-O-C #*: C017144

Lab ID# C017144-01

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
General Chemistry											
Nitrate as N (NO3N)	**0.175**	mg/L			0.0200	0.0200	*Austin*	09/16/19 14:10 JLL	SM4500-NO3-F 2011	[CALC]	*NEL*
Nitrite as N	**0.02**	mg/L		0.002	0.002	0.01	*Austin*	09/13/19 08:02 JLL	SM4500 NO2- B 2011	M103376	*NEL*
Nitrate/Nitrite as N	**0.19**	mg/L		0.02	0.02	0.02	*Bryan*	09/16/19 14:10 JKA	SM4500-NO3-F 2011	M103448	*INF*

Sunset Valley 3205 Jones Rd Mid Distribution

Collected: 09/12/19 10:35 by CLIENT
Received: 09/12/19 14:02 by Kelly Kukowski

Type: Grab | *Matrix*: Drinking Water | *C-O-C #*: C017144

Lab ID# C017144-02

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
General Chemistry											
Nitrate as N (NO3N)	**0.195**	mg/L			0.0200	0.0200	*Austin*	09/16/19 14:10 JLL	SM4500-NO3-F 2011	[CALC]	*NEL*
Nitrite as N	**<0.01**	mg/L	J (0.009)	0.002	0.002	0.01	*Austin*	09/13/19 08:02 JLL	SM4500 NO2- B 2011	M103377	*NEL*
Nitrate/Nitrite as N	**0.20**	mg/L		0.02	0.02	0.02	*Bryan*	09/16/19 14:10 JKA	SM4500-NO3-F 2011	M103448	*INF*

Sunset Valley 3205 Jones Rd End Distribution

Collected: 09/12/19 10:43 by CLIENT
Received: 09/12/19 14:02 by Kelly Kukowski

Type: Grab | *Matrix*: Drinking Water | *C-O-C #*: C017144

Lab ID# C017144-03

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
General Chemistry											
Nitrate as N (NO3N)	**0.175**	mg/L			0.0200	0.0200	*Austin*	09/16/19 14:10 JLL	SM4500-NO3-F 2011	[CALC]	*NEL*
Nitrite as N	**0.02**	mg/L		0.002	0.002	0.01	*Austin*	09/13/19 08:02 JLL	SM4500 NO2- B 2011	M103376	*NEL*
Nitrate/Nitrite as N	**0.19**	mg/L		0.02	0.02	0.02	*Bryan*	09/16/19 14:10 JKA	SM4500-NO3-F 2011	M103448	*INF*

Sunset Valley The Meadows End Point

Collected: 09/12/19 10:57 by CLIENT
Received: 09/12/19 14:02 by Kelly Kukowski

Type: Grab | *Matrix*: Drinking Water | *C-O-C #*: C017144

Lab ID# C017144-06

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
General Chemistry											
Nitrate as N (NO3N)	**0.178**	mg/L			0.0200	0.0200	*Austin*	09/16/19 14:10 JLL	SM4500-NO3-F 2011	[CALC]	*NEL*
Nitrite as N	**0.01**	mg/L		0.002	0.002	0.01	*Austin*	09/13/19 08:02 JLL	SM4500 NO2- B 2011	M103376	*NEL*
Nitrate/Nitrite as N	**0.19**	mg/L		0.02	0.02	0.02	*Bryan*	09/16/19 14:10 JKA	SM4500-NO3-F 2011	M103449	*INF*

Sunset Valley The Meadows Mid Point

Collected: 09/12/19 11:05 by CLIENT
Received: 09/12/19 14:02 by Kelly Kukowski

Type: Grab | *Matrix*: Drinking Water | *C-O-C #*: C017144

Lab ID# C017144-05

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
General Chemistry											
Nitrate as N (NO3N)	**0.182**	mg/L			0.0200	0.0200	*Austin*	09/16/19 14:10 JLL	SM4500-NO3-F 2011	[CALC]	*NEL*
Nitrite as N	**<0.01**	mg/L	J (0.006)	0.002	0.002	0.01	*Austin*	09/13/19 08:02 JLL	SM4500 NO2- B 2011	M103377	*NEL*
Nitrate/Nitrite as N	**0.19**	mg/L		0.02	0.02	0.02	*Bryan*	09/16/19 14:10 JKA	SM4500-NO3-F 2011	M103449	*INF*

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Analytical Report

Sunset Valley, City of

Report Printed: **9/19/19** **13:27**

C017144

Sunset Valley The Meadows Entry Point

Collected: 09/12/19 11:11 by CLIENT
Received: 09/12/19 14:02 by Kelly Kukowski

Type: Grab
Matrix: Drinking Water
C-O-C #: C017144

Lab ID# C017144-04

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
General Chemistry											
Nitrate as N (NO3N)	**0.194**	mg/L			0.0200	0.0200	*Austin*	09/16/19 14:10 JLL	SM4500-NO3-F 2011	[CALC]	*NEL*
Nitrite as N	**0.01**	mg/L		0.002	0.002	0.01	*Austin*	09/13/19 08:02 JLL	SM4500 NO2- B 2011	M103376	*NEL*
Nitrate/Nitrite as N	**0.21**	mg/L		0.02	0.02	0.02	*Bryan*	09/16/19 14:10 JKA	SM4500-NO3-F 2011	M103449	*INF*

Explanation of Notes

J Analyte detected below the SQL but above the MDL.

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Analytical Report

Sunset Valley, City of

Report Printed: **9/19/19** **13:27**

C017144

General Chemistry - Quality Control

	Result	Units	Notes	MDL	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	RPD	RPD Limit	Batch	
Nitrate/Nitrite as N - SM4500-NO3-F 2011														*Bryan*
Initial Cal Check	1.17	mg/L				09/16/19 14:10 JKA	1.15		101	90 - 110			1909137	
Blank	<0.02	mg/L		0.02	0.02	09/16/19 14:10 JKA							M103448	
LCS	0.49	mg/L		0.02	0.02	09/16/19 14:10 JKA	0.500		98.9	91.3 - 109			M103448	
LCS Dup	0.51	mg/L		0.02	0.02	09/16/19 14:10 JKA	0.500		101	91.3 - 109	2.58	6.8	M103448	
Matrix Spike	0.81	mg/L		0.02	0.02	09/16/19 14:10 JKA	0.500	0.28	106	94.1 - 111			M103448	
Matrix Spike Dup	0.79	mg/L		0.02	0.02	09/16/19 14:10 JKA	0.500	0.28	103	94.1 - 111	3.63	8.65	M103448	
MRL Check	0.02	mg/L		0.02	0.02	09/16/19 14:10 JKA	0.0200		109	70 - 130			M103448	
Blank	<0.02	mg/L		0.02	0.02	09/16/19 14:10 JKA							M103449	
LCS	0.46	mg/L		0.02	0.02	09/16/19 14:10 JKA	0.500		92.3	91.3 - 109			M103449	
LCS Dup	0.48	mg/L		0.02	0.02	09/16/19 14:10 JKA	0.500		96.9	91.3 - 109	4.87	6.8	M103449	
Matrix Spike	0.55	mg/L		0.02	0.02	09/16/19 14:10 JKA	0.500	0.04	102	94.1 - 111			M103449	
Matrix Spike Dup	0.56	mg/L		0.02	0.02	09/16/19 14:10 JKA	0.500	0.04	104	94.1 - 111	1.22	8.65	M103449	
MRL Check	0.02	mg/L		0.02	0.02	09/16/19 14:10 JKA	0.0200		109	70 - 130			M103449	
Nitrite as N - SM4500 NO2- B 2011														*Austin*
Initial Cal Check	0.07	mg/L				05/29/19 12:06 KT	0.0725		102	90 - 110			1905274	
Blank	<0.01	mg/L		0.002	0.01	09/13/19 08:02 JLL							M103376	
LCS	0.08	mg/L		0.002	0.01	09/13/19 08:02 JLL	0.0800		96.1	90 - 110			M103376	
Matrix Spike	0.08	mg/L		0.002	0.01	09/13/19 08:02 JLL	0.0800	0.008	90.1	70.6 - 117			M103376	
Matrix Spike Dup	0.09	mg/L		0.002	0.01	09/13/19 08:02 JLL	0.0800	0.008	97.2	70.6 - 117	7.51	8.18	M103376	
MRL Check	0.01	mg/L		0.002	0.01	09/13/19 08:02 JLL	0.0100		129	70 - 130			M103376	
Blank	<0.01	mg/L		0.002	0.01	09/13/19 08:02 JLL							M103377	
LCS	0.07	mg/L		0.002	0.01	09/13/19 08:02 JLL	0.0800		93.5	90 - 110			M103377	
LCS Dup	0.08	mg/L		0.002	0.01	09/13/19 08:02 JLL	0.0800		96.5	90 - 110	3.24	8.12	M103377	
Matrix Spike	0.07	mg/L		0.002	0.01	09/13/19 08:02 JLL	0.0800	<0.01	87.3	70.6 - 117			M103377	
Matrix Spike Dup	0.07	mg/L		0.002	0.01	09/13/19 08:02 JLL	0.0800	<0.01	90.8	70.6 - 117	3.95	8.18	M103377	

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Sample Preparation Summary

Sample	Method	Prepared	Lab	Bottle	Initial	Units	Final	Units	External Dilution Factor	Batch
C017144-01										
Nitrate/Nitrite as N	SM4500-NO3-F 2011	9/16/19 12:50 MRB	Bryan	B	10.0	mL	10.0	mL	1	M103448
Nitrite as N	SM4500 NO2- B 2011	9/13/19 8:02 JLL	Austin	A	25.0	mL	25.0	mL	1	M103376
C017144-02										
Nitrate/Nitrite as N	SM4500-NO3-F 2011	9/16/19 12:50 MRB	Bryan	B	10.0	mL	10.0	mL	1	M103448
Nitrite as N	SM4500 NO2- B 2011	9/13/19 8:02 JLL	Austin	A	25.0	mL	25.0	mL	1	M103377
C017144-03										
Nitrate/Nitrite as N	SM4500-NO3-F 2011	9/16/19 12:50 MRB	Bryan	B	10.0	mL	10.0	mL	1	M103448
Nitrite as N	SM4500 NO2- B 2011	9/13/19 8:02 JLL	Austin	A	25.0	mL	25.0	mL	1	M103376
C017144-04										
Nitrate/Nitrite as N	SM4500-NO3-F 2011	9/16/19 12:50 MRB	Bryan	B	10.0	mL	10.0	mL	1	M103449
Nitrite as N	SM4500 NO2- B 2011	9/13/19 8:02 JLL	Austin	A	25.0	mL	25.0	mL	1	M103376
C017144-05										
Nitrate/Nitrite as N	SM4500-NO3-F 2011	9/16/19 12:50 MRB	Bryan	B	10.0	mL	10.0	mL	1	M103449
Nitrite as N	SM4500 NO2- B 2011	9/13/19 8:02 JLL	Austin	A	25.0	mL	25.0	mL	1	M103377
C017144-06										
Nitrate/Nitrite as N	SM4500-NO3-F 2011	9/16/19 12:50 MRB	Bryan	B	10.0	mL	10.0	mL	1	M103449
Nitrite as N	SM4500 NO2- B 2011	9/13/19 8:02 JLL	Austin	A	25.0	mL	25.0	mL	1	M103376

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rte_COC 051118.rpt

Sunset Valley, City of

C-O-C #
C017144

Lab ID	Description	Start Date	Start Time	End Date	End Time	Composite Type	Container List (Checked box indicates bottle arrived in lab)
C017144-01	Sunset Valley 3205 Jones Rd Entry Point	9-12-19	10:28am	- N/A -	- N/A -	Grab	☑ A NO2 0.25LP ☑ B NO3 0.1LP H2SO4
A NO3N DW Calc SM4500 NO3 F [NEL]	A NO2N DW Spec SM4500 NO2 B [NEL]	NO3N + NO2N DW RFA SM4500 NO3 F [INF]					
C017144-02	Sunset Valley 3205 Jones Rd Mid Distribution	9-12-19	10:35am	- N/A -	- N/A -	Grab	☑ A NO2 0.25LP ☑ B NO3 0.1LP H2SO4
A NO2N DW Spec SM4500 NO2 B [NEL]	NO3N + NO2N DW RFA SM4500 NO3 F [INF]	A NO3N DW Calc SM4500 NO3 F [NEL]					
C017144-03	Sunset Valley 3205 Jones Rd End Distribution	9-12-19	10:43	- N/A -	- N/A -	Grab	☑ A NO2 0.25LP ☑ B NO3 0.1LP H2SO4
A NO3N DW Calc SM4500 NO3 F [NEL]	A NO2N DW Spec SM4500 NO2 B [NEL]	NO3N + NO2N DW RFA SM4500 NO3 F [INF]					
C017144-04	Sunset Valley The Meadows Entry Point	9-12-19	11:11	- N/A -	- N/A -	Grab	☑ A NO2 0.25LP ☑ B NO3 0.1LP H2SO4
A NO3N DW Calc SM4500 NO3 F [NEL]	A NO2N DW Spec SM4500 NO2 B [NEL]	NO3N + NO2N DW RFA SM4500 NO3 F [INF]					
C017144-05	Sunset Valley The Meadows Mid Point	9-12-19	11:05	- N/A -	- N/A -	Grab	☑ A NO2 0.25LP ☑ B NO3 0.1LP H2SO4
A NO3N DW Calc SM4500 NO3 F [NEL]	A NO2N DW Spec SM4500 NO2 B [NEL]	NO3N + NO2N DW RFA SM4500 NO3 F [INF]					
C017144-06	Sunset Valley The Meadows End Point	9-12-19	10:57	- N/A -	- N/A -	Grab	☑ A NO2 0.25LP ☐ B NO3 0.1LP H2SO4
A NO3N DW Calc SM4500 NO3 F [NEL]	A NO2N DW Spec SM4500 NO2 B [NEL]	NO3N + NO2N DW RFA SM4500 NO3 F [INF]					

By relinquishing the above samples to ATL, the client agrees to the following terms: Samples will be analyzed by a method that is within ATL's' NELAP fields of accreditation. Analytes requiring a certified method that is not within ATL's fields of accreditation will be subcontracted to a NELAP accredited 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 on this C-O-C. The client approves all method modifications documented by ATL or the subcontract lab. A current list of ATL's NELAP fields of accreditation and other methods are available on request.

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rte_COC 051118.rpt

Sunset Valley, City of

C-O-C # C017144

Comments:

DEFINITIONS:

ATL = Aqua-Tech Laboratories, Inc.

Matrix designations:
NP = Non-Potable, DW = Drinking Water, SL = Solid

Analyses Ordered:
"A" prefix indicates Austin, all others Bryan or Subcontracted, indicated by [SUB]. Name format: Analysis-Matrix-Technology-Method.

[CNR] = No NELAP certification required or available
[INF] = Informational only (not NELAC certified)
[NEL] = NELAP certified parameter
[SUB] = NELAP certified subcontracted parameter

Reagent tracking is available upon request.

CUSTODY TRANSFER:

Sample Info: "X" all that appply

Relinquished by (print & sign) Daniel Coupe	☒ Sampler ☐ Client	Date 9-12-19	Time 2:00pm	☐ Iced / Chilled / Refrigerated ☐ Custody Sealed	
Received by (print and sign)	☐ ATL Field ☐ Client	Date	Time	☐ Received Chilled / Iced ☐ Custody Transfer Unbroken	
Relinquished by (print & sign)	☐ ATL Field ☐ Client	Date	Time	☐ Iced / Chilled / Refrigerated ☐ Custody Sealed	
Received by (print and sign)	☐ ATL Field ☐ Client	Date	Time	☐ Received Chilled / Iced ☐ Custody Transfer Unbroken	

Do not write below this line (Laboratory use only)

SAMPLE RECEIPT SUMMARY FOR WORK ORDER C017144

Lab Comments:

Relinquished by (print and sign) Daniel Coupe	☒ Client ☐ ATL Field	Date 09/12/19	Time 14:02	☒ Iced / Chilled / Refrigerated ☐ Custody Sealed	
Received by (print & sign) Kelly Kukowski	☒ Lab	Date 09/12/19	Time 14:02	☒ Received Chilled / Iced ☒ Custody Transfer Unbroken	

Corrected Temperature,°C: 29.1 Sample condition good? Yes pH Paper ID: 0744948

Thermometer ID: 0715570 Preservation correct? Yes Post-Preservatives: N/A