

Mail & Email information for report date:

6/19/19 13:56

C007756

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@aquatechlabs.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

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



AUSTIN OFFICE

7500 Hwy 71 W, Suite 105
Austin, TX 78735
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 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.



TCEQ DW Lab ID TX 239

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.

corp@aquatechlabs.com

www.aquatechlabs.com

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Analytical Report

Sunset Valley, City of

Report Printed:

6/19/19 13:56

C007756

Sunset Valley Hwy 290 Entry Point		Collected: 06/13/19 11:45 by CLIENT Received: 06/13/19 14:31 by Kelly Kukowski						Type	Matrix		C-O-C #
Lab ID#	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
General Chemistry											
Nitrate as N (NO3N)	0.448	mg/L			0.0200	0.0200	Austin	06/14/19 11:45 MSA	SM4500-NO3-F 2011	[CALC] NEL	
Nitrite as N	<0.01	mg/L	J (0.008)	0.002	0.002	0.01	Austin	06/14/19 11:05 MSA	SM4500 NO2- B 2011	M099733 NEL	
Nitrate/Nitrite as N	0.46	mg/L		0.02	0.02	0.02	Bryan	06/14/19 11:45 MRB	SM4500-NO3-F 2011	M099710 INF	
Sunset Valley Hwy 290 End Distribution		Collected: 06/13/19 11:55 by CLIENT Received: 06/13/19 14:31 by Kelly Kukowski						Type	Matrix		C-O-C #
Lab ID#	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
General Chemistry											
Nitrate as N (NO3N)	0.435	mg/L			0.0200	0.0200	Austin	06/14/19 11:45 MSA	SM4500-NO3-F 2011	[CALC] NEL	
Nitrite as N	0.03	mg/L		0.002	0.002	0.01	Austin	06/14/19 11:05 MSA	SM4500 NO2- B 2011	M099733 NEL	
Nitrate/Nitrite as N	0.46	mg/L		0.02	0.02	0.02	Bryan	06/14/19 11:45 MRB	SM4500-NO3-F 2011	M099710 INF	
Sunset Valley 1200 Home Depot Blvd Entry Point		Collected: 06/13/19 13:30 by CLIENT Received: 06/13/19 14:31 by Kelly Kukowski						Type	Matrix		C-O-C #
Lab ID#	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
General Chemistry											
Nitrate as N (NO3N)	0.465	mg/L			0.0200	0.0200	Austin	06/14/19 11:45 MSA	SM4500-NO3-F 2011	[CALC] NEL	
Nitrite as N	0.02	mg/L		0.002	0.002	0.01	Austin	06/14/19 11:05 MSA	SM4500 NO2- B 2011	M099733 NEL	
Nitrate/Nitrite as N	0.48	mg/L		0.02	0.02	0.02	Bryan	06/14/19 11:45 MRB	SM4500-NO3-F 2011	M099710 INF	
Sunset Valley 1200 Home Depot Blvd End Point		Collected: 06/13/19 13:45 by CLIENT Received: 06/13/19 14:31 by Kelly Kukowski						Type	Matrix		C-O-C #
Lab ID#	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
General Chemistry											
Nitrate as N (NO3N)	0.425	mg/L			0.0200	0.0200	Austin	06/14/19 11:45 MSA	SM4500-NO3-F 2011	[CALC] NEL	
Nitrite as N	0.02	mg/L		0.002	0.002	0.01	Austin	06/14/19 11:05 MSA	SM4500 NO2- B 2011	M099733 NEL	
Nitrate/Nitrite as N	0.44	mg/L		0.02	0.02	0.02	Bryan	06/14/19 11:45 MRB	SM4500-NO3-F 2011	M099710 INF	
Sunset Valley Oakdale Entry Point		Collected: 06/13/19 14:00 by CLIENT Received: 06/13/19 14:31 by Kelly Kukowski						Type	Matrix		C-O-C #
Lab ID#	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
General Chemistry											
Nitrate as N (NO3N)	0.404	mg/L			0.0200	0.0200	Austin	06/14/19 11:45 MSA	SM4500-NO3-F 2011	[CALC] NEL	
Nitrite as N	0.01	mg/L		0.002	0.002	0.01	Austin	06/14/19 11:05 MSA	SM4500 NO2- B 2011	M099733 NEL	
Nitrate/Nitrite as N	0.41	mg/L		0.02	0.02	0.02	Bryan	06/14/19 11:45 MRB	SM4500-NO3-F 2011	M099710 INF	

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Analytical Report

Sunset Valley, City of

Report Printed:

6/19/19 13:56

C007756

Sunset Valley Oakdale Mid Point		Collected: 06/13/19 14:05 by CLIENT Received: 06/13/19 14:31 by Kelly Kukowski						Type	Matrix		C-O-C #
Lab ID#	C007756-06	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch
General Chemistry											
	Nitrate as N (NO3N)	0.440	mg/L			0.0200	0.0200	Austin	06/14/19 11:45 MSA	SM4500-NO3-F 2011	[CALC] NEL
	Nitrite as N	0.03	mg/L		0.002	0.002	0.01	Austin	06/14/19 11:05 MSA	SM4500 NO2- B 2011	M099733 NEL
	Nitrate/Nitrite as N	0.47	mg/L		0.02	0.02	0.02	Bryan	06/14/19 11:45 MRB	SM4500-NO3-F 2011	M099710 INF

Sunset Valley Oakdale End Point		Collected: 06/13/19 14:10 by CLIENT Received: 06/13/19 14:31 by Kelly Kukowski						Type	Matrix		C-O-C #
Lab ID#	C007756-07	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch
General Chemistry											
	Nitrate as N (NO3N)	0.434	mg/L			0.0200	0.0200	Austin	06/14/19 11:45 MSA	SM4500-NO3-F 2011	[CALC] NEL
	Nitrite as N	0.04	mg/L		0.002	0.002	0.01	Austin	06/14/19 11:05 MSA	SM4500 NO2- B 2011	M099733 NEL
	Nitrate/Nitrite as N	0.48	mg/L		0.02	0.02	0.02	Bryan	06/14/19 11:45 MRB	SM4500-NO3-F 2011	M099710 INF

Explanation of Notes

J Analyte detected below the SQL but above the MDL.

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													
<i>Bryan</i>													
Initial Cal Check	2.39	mg/L			06/14/19 11:45 MRB	2.30		104	85 - 115			1906128	
Blank	<0.02	mg/L	0.02	0.02	06/14/19 11:45 MRB							M099710	
LCS	1.97	mg/L	0.02	0.02	06/14/19 11:45 MRB	2.00		98.5	91.3 - 109			M099710	
LCS Dup	1.97	mg/L	0.02	0.02	06/14/19 11:45 MRB	2.00		98.6	91.3 - 109	0.129	6.8	M099710	
Matrix Spike	2.52	mg/L	0.02	0.02	06/14/19 11:45 MRB	2.00	0.46	103	94.1 - 111			M099710	
Matrix Spike Dup	2.55	mg/L	0.02	0.02	06/14/19 11:45 MRB	2.00	0.46	104	94.1 - 111	1.24	8.65	M099710	
MRL Check	0.02	mg/L	0.02	0.02	06/14/19 11:45 MRB	0.0200		99.3	70 - 130			M099710	
Nitrite as N - SM4500 NO2- B 2011													
<i>Austin</i>													
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	06/14/19 11:05 MSA							M099733	
LCS	0.08	mg/L	0.002	0.01	06/14/19 11:05 MSA	0.0800		99.6	90 - 110			M099733	
LCS Dup	0.08	mg/L	0.002	0.01	06/14/19 11:05 MSA	0.0800		100	90 - 110	0.879	6.92	M099733	
Matrix Spike	0.09	mg/L	0.002	0.01	06/14/19 11:05 MSA	0.0800	0.008	102	67.6 - 110			M099733	
Matrix Spike Dup	0.09	mg/L	0.002	0.01	06/14/19 11:05 MSA	0.0800	0.008	104	67.6 - 110	1.28	6.23	M099733	
MRL Check	<0.01	mg/L			06/14/19 11:05 MSA	0.0100		93.4	70 - 130			M099733	

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Analytical Report

Sunset Valley, City of

Report Printed:

6/19/19 13:56

C007756

Sample Preparation Summary

Sample	Method	Prepared	Lab	Bottle	Initial	Units	Final	Units	External Dilution Factor	Batch
C007756-01										
Nitrate/Nitrite as N	SM4500-NO3-F 2011	6/14/19 9:26 MRB	Bryan	B	10.0	mL	10.0	mL	1	M099710
Nitrite as N	SM4500 NO2- B 2011	6/14/19 11:05 MSA	Austin	A	25.0	mL	25.0	mL	1	M099733
C007756-02										
Nitrate/Nitrite as N	SM4500-NO3-F 2011	6/14/19 9:26 MRB	Bryan	B	10.0	mL	10.0	mL	1	M099710
Nitrite as N	SM4500 NO2- B 2011	6/14/19 11:05 MSA	Austin	A	25.0	mL	25.0	mL	1	M099733
C007756-03										
Nitrate/Nitrite as N	SM4500-NO3-F 2011	6/14/19 9:26 MRB	Bryan	B	10.0	mL	10.0	mL	1	M099710
Nitrite as N	SM4500 NO2- B 2011	6/14/19 11:05 MSA	Austin	A	25.0	mL	25.0	mL	1	M099733
C007756-04										
Nitrate/Nitrite as N	SM4500-NO3-F 2011	6/14/19 9:26 MRB	Bryan	B	10.0	mL	10.0	mL	1	M099710
Nitrite as N	SM4500 NO2- B 2011	6/14/19 11:05 MSA	Austin	A	25.0	mL	25.0	mL	1	M099733
C007756-05										
Nitrate/Nitrite as N	SM4500-NO3-F 2011	6/14/19 9:26 MRB	Bryan	B	10.0	mL	10.0	mL	1	M099710
Nitrite as N	SM4500 NO2- B 2011	6/14/19 11:05 MSA	Austin	A	25.0	mL	25.0	mL	1	M099733
C007756-06										
Nitrate/Nitrite as N	SM4500-NO3-F 2011	6/14/19 9:26 MRB	Bryan	B	10.0	mL	10.0	mL	1	M099710
Nitrite as N	SM4500 NO2- B 2011	6/14/19 11:05 MSA	Austin	A	25.0	mL	25.0	mL	1	M099733
C007756-07										
Nitrate/Nitrite as N	SM4500-NO3-F 2011	6/14/19 9:26 MRB	Bryan	B	10.0	mL	10.0	mL	1	M099710
Nitrite as N	SM4500 NO2- B 2011	6/14/19 11:05 MSA	Austin	A	25.0	mL	25.0	mL	1	M099733



Lab ID	Description	Date	Start Time	Date	End Time	Composite Type	Container List (Checked box indicates bottle arrived in lab)
C007756-01	Sunset Valley Hwy 290 Entry Point	6/13/19	11:45 am	- N/A -	- N/A -	Grab	<input checked="" type="checkbox"/> A NO2 0.25LP
	A NO3N DW Calc SM4500 NO3 F [NEL] NO3N + NO2N DW RFA SM4500 NO3 F [INF] A NO2N DW Spec SM4500 NO2 B [NEL]						<input type="checkbox"/> B NO3 0.1LP H2SO4
C007756-02	Sunset Valley Hwy 290 End Distribution	6-13-19	11:55 am	- N/A -	- N/A -	Grab	<input checked="" type="checkbox"/> A NO2 0.25LP
	A NO2N DW Spec SM4500 NO2 B [NEL] NO3N + NO2N DW RFA SM4500 NO3 F [INF] A NO3N DW Calc SM4500 NO3 F [NEL]						<input checked="" type="checkbox"/> B NO3 0.1LP H2SO4
C007756-03	Sunset Valley 1200 Home Depot Blvd Entry Point	6-13-19	1:30 pm	- N/A -	- N/A -	Grab	<input checked="" type="checkbox"/> A NO2 0.25LP
	A NO3N DW Calc SM4500 NO3 F [NEL] NO3N + NO2N DW RFA SM4500 NO3 F [INF] A NO2N DW Spec SM4500 NO2 B [NEL]						<input checked="" type="checkbox"/> B NO3 0.1LP H2SO4
C007756-04	Sunset Valley 1200 Home Depot Blvd End Point	6-13-19	1:45 pm	- N/A -	- N/A -	Grab	<input checked="" type="checkbox"/> A NO2 0.25LP
	A NO2N DW Spec SM4500 NO2 B [NEL] A NO3N DW Calc SM4500 NO3 F [NEL] NO3N + NO2N DW RFA SM4500 NO3 F [INF]						<input checked="" type="checkbox"/> B NO3 0.1LP H2SO4
C007756-05	Sunset Valley Oakdale Entry Point	6-13-19	2:00 pm	- N/A -	- N/A -	Grab	<input type="checkbox"/> A NO2 0.25LP
	A NO2N DW Spec SM4500 NO2 B [NEL] A NO3N DW Calc SM4500 NO3 F [NEL] NO3N + NO2N DW RFA SM4500 NO3 F [INF]						<input checked="" type="checkbox"/> B NO3 0.1LP H2SO4
C007756-06	Sunset Valley Oakdale Mid Point	6-13-19	2:05 pm	- N/A -	- N/A -	Grab	<input checked="" type="checkbox"/> A NO2 0.25LP
	A NO2N DW Spec SM4500 NO2 B [NEL] A NO3N DW Calc SM4500 NO3 F [NEL] NO3N + NO2N DW RFA SM4500 NO3 F [INF]						<input checked="" type="checkbox"/> B NO3 0.1LP H2SO4
C007756-07	Sunset Valley Oakdale End Point	6-13-19	2:10 pm	- N/A -	- N/A -	Grab	<input checked="" type="checkbox"/> A NO2 0.25LP
	A NO3N DW Calc SM4500 NO3 F [NEL] NO3N + NO2N DW RFA SM4500 NO3 F [INF] A NO2N DW Spec SM4500 NO2 B [NEL]						<input checked="" type="checkbox"/> B NO3 0.1LP H2SO4

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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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 apply	
Relinquished by (print & sign) <i>Daniel C. Loupe</i>	<input checked="" type="checkbox"/> Sampler <input type="checkbox"/> Client	Date <i>6-13-19</i>	Time <i>2:30 pm</i>	<input type="checkbox"/> Iced / Chilled / Refrigerated <input type="checkbox"/> Custody Sealed	
Received by (print and sign)	<input type="checkbox"/> ATL Field <input type="checkbox"/> Client	Date	Time	<input type="checkbox"/> Received Chilled / Iced <input type="checkbox"/> Custody Transfer Unbroken	
Relinquished by (print & sign) <i>MF</i>	<input type="checkbox"/> ATL Field <input type="checkbox"/> Client	Date	Time	<input type="checkbox"/> Iced / Chilled / Refrigerated <input type="checkbox"/> Custody Sealed	
Received by (print and sign)	<input type="checkbox"/> ATL Field <input type="checkbox"/> Client	Date	Time	<input type="checkbox"/> Received Chilled / Iced <input type="checkbox"/> Custody Transfer Unbroken	

Do not write below this line (Laboratory use only)

printing error 4/6

Time <i>14:31</i>	<input type="checkbox"/> Iced / Chilled / Refrigerated <input type="checkbox"/> Custody Sealed
Time <i>14:31</i>	<input checked="" type="checkbox"/> Received Chilled / Iced <input type="checkbox"/> Custody Transfer Unbroken

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C007757⁶
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SAMPLE RECEIPT SUMMARY FOR WORK ORDER C007757⁶

* (2) wrong # 417

Lab Comments:

Relinquished by (print and sign) <i>Daniel Coupe</i>	Daniel Coupe	<input type="checkbox"/> Client	Date	Time	<input type="checkbox"/> Iced / Chilled / Refrigerated
		<input type="checkbox"/> ATL Field	06/13/19	14:31	<input type="checkbox"/> Custody Sealed
Received by (print & sign) <i>KK</i>	Kelly Kukowski	<input checked="" type="checkbox"/> Lab	Date	Time	<input checked="" type="checkbox"/> Received Chilled / Iced
			06/13/19	14:31	<input checked="" type="checkbox"/> Custody Transfer Unbroken

Corrected Temperature, °C: 25.6
Thermometer ID: 0715570

Sample condition good? Yes
Preservation correct? Yes

pH Paper ID: 0721941
Post-Preservatives: N/A