

Mail & Email information for report date:

3/19/19 12:52

C000004

We at ATL appreciate your business and thank you for allowing us to partner in servicing your environmental needs.

Call or email us today at samplingbryan@aqua-techlabs.com for more information or to set up an event.

Sincerely,
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

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AUSTIN OFFICE

7500 Hwy 71 W, Suite 105

Austin, TX 78735

Phone: (512) 301-9559

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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.



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@aqua-techlabs.com

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Analytical Report

Sunset Valley, City of

Report Printed:

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C000004

Sunset Valley 1200 Home Depot Blvd Entry Point		Collected: 03/14/19 13:27 by CLIENT Received: 03/14/19 14:39 by Kelly Kukowski					Type	Matrix		C-O-C #
Lab ID#	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch
C000004-03									Drinking Water	C000004
General Chemistry										
Nitrate as N (NO3N)	0.479	mg/L			0.0500	0.0500	Austin	03/18/19 12:05 KT	SM4500-NO3-F 2011	[CALC] NEL
Nitrite as N	<0.01	mg/L	J (0.006)	0.001	0.001	0.01	Austin	03/15/19 11:22 KT	SM4500 NO2- B 2011	M096218 NEL
Nitrate/Nitrite as N	0.49	mg/L		0.02	0.02	0.05	Bryan	03/18/19 12:05 MRB	SM4500-NO3-F 2011	M096272 INF
Sunset Valley 1200 Home Depot Blvd End Point		Collected: 03/14/19 13:31 by CLIENT Received: 03/14/19 14:39 by Kelly Kukowski					Type	Matrix		C-O-C #
Lab ID#	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch
C000004-04									Drinking Water	C000004
General Chemistry										
Nitrate as N (NO3N)	0.452	mg/L			0.0500	0.0500	Austin	03/18/19 12:05 KT	SM4500-NO3-F 2011	[CALC] NEL
Nitrite as N	0.01	mg/L		0.001	0.001	0.01	Austin	03/15/19 11:22 KT	SM4500 NO2- B 2011	M096218 NEL
Nitrate/Nitrite as N	0.47	mg/L		0.02	0.02	0.05	Bryan	03/18/19 12:05 MRB	SM4500-NO3-F 2011	M096272 INF
Sunset Valley Oakdale End Point		Collected: 03/14/19 13:37 by CLIENT Received: 03/14/19 14:39 by Kelly Kukowski					Type	Matrix		C-O-C #
Lab ID#	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch
C000004-07									Drinking Water	C000004
General Chemistry										
Nitrate as N (NO3N)	0.435	mg/L			0.0500	0.0500	Austin	03/18/19 12:05 KT	SM4500-NO3-F 2011	[CALC] NEL
Nitrite as N	<0.01	mg/L	J (0.009)	0.001	0.001	0.01	Austin	03/15/19 11:22 KT	SM4500 NO2- B 2011	M096218 NEL
Nitrate/Nitrite as N	0.44	mg/L		0.02	0.02	0.05	Bryan	03/18/19 12:05 MRB	SM4500-NO3-F 2011	M096272 INF
Sunset Valley Oakdale Mid Point		Collected: 03/14/19 13:42 by CLIENT Received: 03/14/19 14:39 by Kelly Kukowski					Type	Matrix		C-O-C #
Lab ID#	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch
C000004-06									Drinking Water	C000004
General Chemistry										
Nitrate as N (NO3N)	0.441	mg/L			0.0500	0.0500	Austin	03/18/19 12:05 KT	SM4500-NO3-F 2011	[CALC] NEL
Nitrite as N	0.04	mg/L		0.001	0.001	0.01	Austin	03/15/19 11:22 KT	SM4500 NO2- B 2011	M096218 NEL
Nitrate/Nitrite as N	0.48	mg/L		0.02	0.02	0.05	Bryan	03/18/19 12:05 MRB	SM4500-NO3-F 2011	M096272 INF
Sunset Valley Oakdale Entry Point		Collected: 03/14/19 13:45 by CLIENT Received: 03/14/19 14:39 by Kelly Kukowski					Type	Matrix		C-O-C #
Lab ID#	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch
C000004-05									Drinking Water	C000004
General Chemistry										
Nitrate as N (NO3N)	0.459	mg/L			0.0500	0.0500	Austin	03/18/19 12:05 KT	SM4500-NO3-F 2011	[CALC] NEL
Nitrite as N	<0.01	mg/L	J (0.006)	0.001	0.001	0.01	Austin	03/15/19 11:22 KT	SM4500 NO2- B 2011	M096218 NEL
Nitrate/Nitrite as N	0.47	mg/L		0.02	0.02	0.05	Bryan	03/18/19 12:05 MRB	SM4500-NO3-F 2011	M096272 INF

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Analytical Report

Sunset Valley, City of

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C000004

Sunset Valley Hwy 290 Entry Point		Collected: 03/14/19 14:16 by CLIENT Received: 03/14/19 14:39 by Kelly Kukowski						Type	Matrix		C-O-C #
Lab ID#	C000004-01	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch
General Chemistry											
Nitrate as N (NO3N)	0.537	mg/L				0.0500	0.0500	Austin	03/18/19 12:05 KT	SM4500-NO3-F 2011	[CALC] NEL
Nitrite as N	<0.01	mg/L		J (0.007)	0.001	0.001	0.01	Austin	03/15/19 11:22 KT	SM4500 NO2- B 2011	M096218 NEL
Nitrate/Nitrite as N	0.54	mg/L			0.02	0.02	0.05	Bryan	03/18/19 12:05 MRB	SM4500-NO3-F 2011	M096272 INF

Sunset Valley Hwy 290 End Distribution		Collected: 03/14/19 14:20 by CLIENT Received: 03/14/19 14:39 by Kelly Kukowski						Type	Matrix		C-O-C #
Lab ID#	C000004-02	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch
General Chemistry											
Nitrate as N (NO3N)	0.447	mg/L				0.0500	0.0500	Austin	03/18/19 12:05 KT	SM4500-NO3-F 2011	[CALC] NEL
Nitrite as N	<0.01	mg/L		J (0.008)	0.001	0.001	0.01	Austin	03/15/19 11:22 KT	SM4500 NO2- B 2011	M096218 NEL
Nitrate/Nitrite as N	0.46	mg/L			0.02	0.02	0.05	Bryan	03/18/19 12:05 MRB	SM4500-NO3-F 2011	M096272 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												Bryan	
Initial Cal Check	2.34	mg/L			03/18/19 12:05 MRB	2.30		102	85 - 115			1903144	
Blank	<0.05	mg/L	0.02	0.05	03/18/19 12:05 MRB							M096272	
LCS	1.94	mg/L	0.02	0.05	03/18/19 12:05 MRB	2.00		97.0	91.3 - 109			M096272	
LCS Dup	2.04	mg/L	0.02	0.05	03/18/19 12:05 MRB	2.00		102	91.3 - 109	5.22	6.8	M096272	
Matrix Spike	2.56	mg/L	0.02	0.05	03/18/19 12:05 MRB	2.00	0.49	104	94.1 - 111			M096272	
Matrix Spike	3.13	mg/L	0.02	0.05	03/18/19 12:05 MRB	2.00	0.91	111	94.1 - 111			M096272	
Matrix Spike Dup	2.58	mg/L	0.02	0.05	03/18/19 12:05 MRB	2.00	0.49	105	94.1 - 111	1.09	8.65	M096272	
Matrix Spike Dup	3.13	mg/L	0.02	0.05	03/18/19 12:05 MRB	2.00	0.91	111	94.1 - 111	0.0857	8.65	M096272	
MRL Check	<0.05	mg/L	J (0.02)	0.02	0.05	03/18/19 12:05 MRB	0.0200	99.1	70 - 130			M096272	
Nitrite as N - SM4500 NO2- B 2011												Austin	
Initial Cal Check	0.05	mg/L			03/15/19 11:22 KT	0.0484		109	90 - 110			1903132	
Blank	<0.01	mg/L	J (0.002)	0.001	0.01	03/15/19 11:22 KT						M096218	
LCS	0.05	mg/L		0.001	0.01	03/15/19 11:22 KT	0.0484	105	90 - 110			M096218	
Matrix Spike	0.04	mg/L		0.001	0.01	03/15/19 11:22 KT	0.0484	0.006	77.1	25.9 - 160		M096218	
Matrix Spike Dup	0.04	mg/L		0.001	0.01	03/15/19 11:22 KT	0.0484	0.006	73.4	25.9 - 160	4.88	8.68	M096218
MRL Check	0.01	mg/L		0.001	0.01	03/15/19 11:22 KT	0.0100	115	50 - 150			M096218	

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Analytical Report

Sunset Valley, City of

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Sample Preparation Summary

Sample	Method	Prepared	Lab	Bottle	Initial	Units	Final	Units	External Dilution Factor	Batch
C000004-01										
Nitrate/Nitrite as N	SM4500-NO3-F 2011	3/18/19 8:57 MRB	Bryan	B	10.0	mL	10.0	mL	1	M096272
Nitrite as N	SM4500 NO2- B 2011	3/15/19 11:22 KT	Austin	A	25.0	mL	25.0	mL	1	M096218
C000004-02										
Nitrate/Nitrite as N	SM4500-NO3-F 2011	3/18/19 8:57 MRB	Bryan	B	10.0	mL	10.0	mL	1	M096272
Nitrite as N	SM4500 NO2- B 2011	3/15/19 11:22 KT	Austin	A	25.0	mL	25.0	mL	1	M096218
C000004-03										
Nitrate/Nitrite as N	SM4500-NO3-F 2011	3/18/19 8:57 MRB	Bryan	B	10.0	mL	10.0	mL	1	M096272
Nitrite as N	SM4500 NO2- B 2011	3/15/19 11:22 KT	Austin	A	25.0	mL	25.0	mL	1	M096218
C000004-04										
Nitrate/Nitrite as N	SM4500-NO3-F 2011	3/18/19 8:57 MRB	Bryan	B	10.0	mL	10.0	mL	1	M096272
Nitrite as N	SM4500 NO2- B 2011	3/15/19 11:22 KT	Austin	A	25.0	mL	25.0	mL	1	M096218
C000004-05										
Nitrate/Nitrite as N	SM4500-NO3-F 2011	3/18/19 8:57 MRB	Bryan	B	10.0	mL	10.0	mL	1	M096272
Nitrite as N	SM4500 NO2- B 2011	3/15/19 11:22 KT	Austin	A	25.0	mL	25.0	mL	1	M096218
C000004-06										
Nitrate/Nitrite as N	SM4500-NO3-F 2011	3/18/19 8:57 MRB	Bryan	B	10.0	mL	10.0	mL	1	M096272
Nitrite as N	SM4500 NO2- B 2011	3/15/19 11:22 KT	Austin	A	25.0	mL	25.0	mL	1	M096218
C000004-07										
Nitrate/Nitrite as N	SM4500-NO3-F 2011	3/18/19 8:57 MRB	Bryan	B	10.0	mL	10.0	mL	1	M096272
Nitrite as N	SM4500 NO2- B 2011	3/15/19 11:22 KT	Austin	A	25.0	mL	25.0	mL	1	M096218



Lab ID	Description	Start		End		Composite Type	Container List (Checked box indicates bottle arrived in lab)	
		Date	Time	Date	Time			
C000004-01	Sunset Valley Hwy 290 Entry Point	3-14-19	2:06pm	- 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
C000004-02	Sunset Valley Hwy 290 End Distribution	3-14-19	2:20pm	- 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
C000004-03	Sunset Valley 1200 Home Depot Blvd Entry Point	3-14-19	1:27pm	- 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
C000004-04	Sunset Valley 1200 Home Depot Blvd End Point	3-14-19	1:31pm	- 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
C000004-05	Sunset Valley Oakdale Entry Point	3-14-19	1:45pm	- 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
C000004-06	Sunset Valley Oakdale Mid Point	3-14-19	1:42pm	- 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
C000004-07	Sunset Valley Oakdale End Point	3-14-19	1:37pm	- 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

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.



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 Coupe</i>	<input checked="" type="checkbox"/> Sampler <input type="checkbox"/> Client	Date <i>3-14-19</i>	Time <i>2:38</i>	<input checked="" 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	
<hr/>					
Relinquished by (print & sign) <i>MFC</i>	<input checked="" 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)

SAMPLE RECEIPT SUMMARY FOR WORK ORDER C000004

Lab Comments:

Relinquished by (print and sign) <i>Daniel Coupe</i>	Daniel Coupe	<input type="checkbox"/> Client <input type="checkbox"/> ATL Field	Date <i>03/14/19</i>	Time <i>14:39</i>	<input type="checkbox"/> Iced / Chilled / Refrigerated <input type="checkbox"/> Custody Sealed
Received by (print & sign) <i>Kelly Kukowski</i>	Kelly Kukowski	<input checked="" type="checkbox"/> Lab	Date <i>03/14/19</i>	Time <i>14:39</i>	<input checked="" type="checkbox"/> Received Chilled / Iced <input checked="" type="checkbox"/> Custody Transfer Unbroken

Corrected Temperature, °C: 19.7
Thermometer ID: 0715570

Sample condition good? Yes
Preservation correct? Yes

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