

Chaparral Laboratories, Inc.



861 State Hwy 19 P.O. Box 1622 Huntsville, TX 77342-1622 www.chaparrallabs.com Phone: 936-291-1881 Fax: 936-295-1731

Certificate of Analysis

Aqua Pure

Attn: Shannon Marsh P.O. Box 279

New Waverly, TX 77358

Customer ID: AQPURE Sample ID: 18110493

Date Received: 11/14/2018 **Date Reported:** 12/07/2018

Project: Cottonwood Park PWS **Location:** Harris County, TX

Analytical Results

Collection Point: EWQP Date/Time Collected: 11/14/2018 09:01

Sample Type: Grab Collector: Shannon Marsh

Site Address: 11202 Cora St

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	Date/Time	<u>Analyst</u>	Bottle	Method	<u>QC ID</u>	<u>Acrd</u>
Alkalinity	201.9	mg/L CaCO3	11/17/2018 13:41	MHE	-01	SM 2320 B	QC1811291	WQP
Calcium	65.8	mg/L	12/03/2018 08:48	MHE	-01	SM 3111 B	QC1812014	
Conductivity	525.0	umho/cm	11/17/2018 10:48	MHE	-01	SM 2510 B	QC1811292	WQP
pH	6.9	SU	11/14/2018 09:01	JFL	-01	SM 4500-H+B	QC1811214	Field
Temperature	14.3	°C	11/14/2018 09:01	JFL	-01	SM 2550 B	QC1811216	Field

Collection Point: DSTWQP Date/Time Collected: 11/14/2018 09:03

Sample Type: Grab Collector: Shannon Marsh

Site Address: 11208 Cora St

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	Date/Time	Analyst	Bottle	Method	<u>QC ID</u>	<u>Acrd</u>
Alkalinity	197.9	mg/L CaCO3	11/17/2018 13:41	MHE	-02	SM 2320 B	QC1811291	WQP
Calcium	65.9	mg/L	12/03/2018 08:48	MHE	-02	SM 3111 B	QC1812014	
Conductivity	526.0	umho/cm	11/17/2018 10:48	MHE	-02	SM 2510 B	QC1811292	WQP
pH	6.8	SU	11/14/2018 09:03	JFL	-02	SM 4500-H+B	QC1811214	Field
Temperature	14.3	°C	11/14/2018 09:03	JFL	-02	SM 2550 B	QC1811216	Field

		Quality Control			
<u>QC ID</u>	<u>Param</u>	QC Type	Result	<u>Units</u>	Flag
QC1811214	pН	RPD	0	%	
QC1811216	Temperature	RPD	0	%	



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 Aqua Pure
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QC1811291 Alkalinity

		Duplicate %RPD	0	%
		LCS	100	%
		Method Blank	<10.0	mg/L CaCO3
QC1811292	Conductivity			
		Duplicate %RPD	0.2	%
		Duplicate %RPD	0	%
		LCS	101.5	%
		Method Blank	<10.0	umho/cm
QC1812014	Calcium			
		Duplicate %RPD	0	%
		Duplicate %RPD	5.4	%
		LCS	106.7	%
		Method Blank	<1.0	mg/L
		MS %R	113.7	%
		MS %R	91	%
		MSD %R	92.5	%

MSD %R

The analytical results in this Certificate of Analysis relate only to the samples tested. This Certificate of Analysis, with its corresponding Chain of Custody, completes the data package. This data package may not be reproduced, except in full, without the written approval of Chaparral Laboratories, Inc. Chaparral Laboratories, Inc NELAP accredited certification #T104704204. (<) = Result was below quantitation limits. (>) = Result was above quantitation limits. Samples analyzed for Oxygen Uptake Rate are diluted to <2% total solids for analysis. Results reported as mg/kg, %, or CFU/g/TS are calculated on a dry weight basis, unless otherwise noted. Precision Criteria for Fecal Coliform, Escherichia coli and Enterococci analyses are calculated according to SM 9020 B 8.5.b. Acceptable = meets Precision Criteria; Unacceptable = does not meet Precision Criteria.

Approved by David H. Veinotte Laboratory Director

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Relinquished By (Signature) Received By Courier (Signature)	Chain of Custody Chapter of Pus Thorn And Chapteral Labs	Name of Authorized PWS Representative (Print) Signature Organization Date	Parameters. This includes, but not limited to the measurement of phil 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)	adiomethodo tha information on the form is true and consistent and the second of the s				DS01 DSTWQP 11208 Cora St 11-14-18 90 6.8 14.3	PBCU001 EWQP 11202 Cora St 11-14-16 9:01 6.9 143	Time - 24 hr (HHMM) pH Temp (°C) RC Origin	Sample Collection Field Measurements	Temperature and pH (Y or N): Are temperature and pH included on the sampling entity's Were temperature and pH measured in the field within 15 minutes of sample collection?		Sample Type (√): ✓ Compliance Non-compliance	Rate: Sample Information	TREATMENT Dosage Inhibitor Dosage Rate: Labo	Inhibitor or Stablizer Used (1): Phosphate Silica Calcium carbonate	PWS Contact Phone #: 936-344-8017	PWS Contact: Shannon Marsh	PWS Address: P.O. Box 279, New Waverly, TX 77358	PWS ID#: TX 1010283	PWS Name: Cottonwood Park Water System	Completed by PWS (or Agent)	WATER QUALITY PARAMETER MONITORING FORM 20679
Date/Time:	81-14-18	Date	ng with water samples is a crime punishab								nt?	asured in the field within 15 minutes of sam	AB ID AL			Laboratory Contact Phone		Laboratory Conta	raporatory Auditess		TCEQ Lab ID #:	Laboratory Name:		ER QUALITY PARAMETER MONITORING FORM 20679
Laboratory Comments:	Date & Time of Sample Preservation (Accined): 11 12 12 18 Thermometer ID #: 2	Rejection Code (if applicable): Actual / Corrected Sample temperature: 3,	Samples received unpreserved?		< < < < < < < < < < < < < < < < < < <	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	T 02 VVVVVVVVV	1810403-01 12101081	Alkalinity (192 Calcium (1915 Chloride (1017 Conductivity (194 Hardness (191 Iron (1028) Manganese (1955) Sulfate (1055)	() (7) (1064) (5) (032)	Je use.	these parameters should also b	Parameters Requested: Analyses are required for the parameters		ne 936-291-1881		Laboratory Contact: David Veinotte	Huntsville, TX 77342	P.O. Box 1622	#: T104704204	Chaparral Laboratories, Inc.	Completed by Laboratory	