

Completed by PWS (or Agent)						Completed by Laboratory																			
PWS Name:	Gap Water (Aqua Texas)							Laboratory Name:																	
PWS ID#:	TX 2210023							TCEQ Lab ID #:	Pace Analytical Services 8 E Tower Cir Ormond Bch 32474 T-104704184-16-10 Bradley Smith 386-676-4805																
PWS Address:	9450 Silver Creek, Ft. Worth, TX 76108							Laboratory Address:																	
PWS Contact:	Steve Blackhurst							Laboratory Contact:																	
PWS Contact Phone #:	972-750-6954							Laboratory Contact #:																	
Inhibitor or Stabilizer Used (✓):	☒ Phosphate		☐ Silica		☐ Calcium carbonate																				
TREATMENT	Alkalinity Dosage Rate:	Inhibitor Dosage Rate:		2.0 ppm			Laboratory Contact Phone #:																		
Sample Information																									
Sample Type (✓):	☒ Compliance		☐ Non-compliance																						
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		Sample Collection		Field Measurements		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	100 Elm St.		Date (MMDDYY)	Time - 24 hr (HHMM)	pH	Temp (°C)				75110505-001			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DS01	DSTWQP	125 Ricardo Ln.		06/18/19	11:17	7.0	22.1				I -002			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DS01	DSTWQP	550 Maxwell St.		06/18/19	12:22	6.97	25.4				I -003			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
														✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
														✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
														✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
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 (✓) ☒ Samples received unpreserved? ☒ Iced ☐ Ambient											
Name of Authorized PWS Representative (Print)				Signature		Organization		Date		Rejection Code (if applicable):				Actual / Corrected sample temperature: 4.6/4.7											
Steve Blackhurst				[Signature]		Ind. Contractor		06/18/19		Date & Time of Sample Preservation (Acidified): 6/19/19 1750				Thermometer ID #: T353											
Chain of Custody														Laboratory Comments: Samples transported via FedEx 6/18 - 6/19 tracking number 102133750736 *ADB 7/8/19											
Relinquished By (Signature) [Signature]				Date/Time: 06/18/19 17:37		Relinquished By Courier (Signature) Fed EX				Date/Time: 06/18/19 17:37															
Received By Courier (Signature) Fed EX				Date/Time: 06/18/19 17:37		Received By Lab (Signature) BBB/Pace (signature on Pace COC)				Date/Time: 6/19/19 9:40 AM *															

WO#: 35476431



35476431

Contracting Laboratory.

State Of Origin: TX

Cert. Needed: ☒ Yes ☐ No

Owner Received Date: 6/19/2019 Results Requested By: 6/28/2019



Workorder: 75110505 Workorder Name: 2210023GAP WATER WQP

Report To		Subcontract To		Requested Analysis																
Leslie Underwood Pace Analytical Dallas 400 West Bethany Drive Suite 190 Allen, TX 75013 Phone (972)727-1123		Pace Analytical Ormond Beach 8 East Tower Circle Ormond Beach, FL 32174 Phone (386)672-5668																		
Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Unpreserved	Preserved Containers				Alkalinity, Conductivity	Ca,Fe,Mn,Na	Chloride, Sulfate	Ortho-Phosphate	TDS	Total Hardness	LAB USE ONLY			
1	PBCU001 EWQP 100 ELM ST	PS	6/18/2019 11:17	75110505001	Drinking	1					X	X	X	X	X	X				
2	DS01 DSTWQP 125 RICARDO LN	PS	6/18/2019 12:01	75110505002	Drinking	1					X	X	X	X	X	X				
3	DS01 DSTWQP 550 MAXWELL ST	PS	6/18/2019 12:22	75110505003	Drinking	1					X	X	X	X	X	X				
4																				
5																				
Transfers						Released By		Date/Time		Received By		Date/Time		Comments						
1										BBX/Pace		6/19/19 940		WQP samples. Please complete Water Quality Parameters form and return to PM						
2																				
3																				
Cooler Temperature on Receipt 3.9 °C				Custody Seal Y or N				Received on Ice Y or N				Samples Intact Y or N								

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.
This chain of custody is considered complete as is since this information is available in the owner laboratory.

	Document Name: PWS_2210023 AC_20190618 WOP Analysis Report.PDF	Document Release:
	Sample Condition Upon Receipt Form	May 30, 2018
	Document No.: F-FL-C-007 rev. 13	Issuing Authority: Pace Florida Quality Office

WO#: 35476431

(SCUR)

Project # PM: BTS **Due Date:** 06/27/19
Project Manager: CLIENT: PACDAL
Client:

Date and Initials of person:
Examining contents: _____
Label: _____
Deliver: _____
pH: _____

Thermometer Used: T353 **Date:** 6-19-19 **Time:** 1053 **Initials:** BBB

State of Origin:

☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp. °C 3.9 (Visual) +1.1 (Correction Factor) 34.6 (Actual)
Cooler #2 Temp. °C 4.6 (Visual) +1.1 (Correction Factor) 4.7 (Actual)
Cooler #3 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)
Cooler #4 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)
Cooler #5 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)
Cooler #6 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)

☐ Samples on ice, cooling process has begun
☐ Samples on ice, cooling process has begun
☐ Samples on ice, cooling process has begun
☐ Samples on ice, cooling process has begun
☐ Samples on ice, cooling process has begun
☐ Samples on ice, cooling process has begun

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other _____
Shipping Method: ☐ First Overnight ☐ Priority Overnight ☐ Standard Overnight ☐ Ground ☐ International Priority
☐ Other _____

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking # 1021 3375 0736

Custody Seal on Cooler/Box Present: ☐ Yes ☐ No **Seals intact:** ☐ Yes ☐ No **Ice:** Wet Blue Dry None

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other _____

Samples shorted to lab (If Yes, complete) **Shorted Date:** _____ **Shorted Time:** _____ **Qty:** _____

Comments:

Chain of Custody Present	☒ Yes ☐ No ☐ N/A	Preservation Information: Preservative: <u>HNO3</u> Lot #/Trace #: <u>85931</u> Date: <u>6/19/19</u> Time: <u>1750</u> Initials: <u>BBB</u>
Chain of Custody Filled Out	☒ Yes ☐ No ☐ N/A	
Relinquished Signature & Sampler Name COC	☐ Yes ☒ No ☐ N/A	
Samples Arrived within Hold Time	☒ Yes ☐ No ☐ N/A	
Rush TAT requested on COC	☐ Yes ☒ No ☐ N/A	
Sufficient Volume	☒ Yes ☐ No ☐ N/A	
Correct Containers Used	☒ Yes ☐ No ☐ N/A	
Containers Intact	☒ Yes ☐ No ☐ N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☐ Yes ☐ No ☐ N/A	
All containers needing acid/base preservation have been checked.	☒ Yes ☐ No ☐ N/A	
All Containers needing preservation are found to be in compliance with EPA recommendation:	☐ Yes ☒ No ☐ N/A	
Exceptions: VOA, Coliform, TOC, O&G, Carbamates		
Headspace in VOA Vials? (>6mm):	☐ Yes ☐ No ☒ N/A	
Trip Blank Present:	☐ Yes ☐ No ☒ N/A	

Client Notification/ Resolution:

Person Contacted: _____ **Date/Time:** _____

Comments/ Resolution (use back for additional comments):

Project Manager Review: _____

Date: _____ **Page 20 of 20**

July 08, 2019

Steve Blackhurst
Aqua Texas - Fort Worth
Silvercreek Rd
Fort Worth, TX 76108

RE: Project: TX2210023GAP WATER WQP
Pace Project No.: 75110505

Dear Steve Blackhurst:

Enclosed are the analytical results for sample(s) received by the laboratory on June 19, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amy Bryant for
Leslie Underwood

(972)727-1123
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: TX2210023GAP WATER WQP

Pace Project No.: 75110505

Lab ID	Sample ID	Matrix	Date Collected	Date Received
75110505001	PBCU001 EWQP 100 ELM ST	Drinking Water	06/18/19 11:17	06/19/19 10:53
75110505002	DS01 DSTWQP 125 RICARDO LN	Drinking Water	06/18/19 12:01	06/19/19 10:53
75110505003	DS01 DSTWQP 550 MAXWELL ST	Drinking Water	06/18/19 12:22	06/19/19 10:53

REPORT OF LABORATORY ANALYSIS

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July 01, 2019

Leslie Underwood
Pace Analytical-Dallas TX
400 W. Bethany Drive
Suite 190
Allen, TX 75013

RE: Project: 75110505 TX2210023GAP WATER
Pace Project No.: 35476431

Dear Leslie Underwood:

Enclosed are the analytical results for sample(s) received by the laboratory on June 19, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Brad Smith

(386) 672-5668
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 75110505 TX2210023GAP WATER

Pace Project No.: 35476431

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Arizona Certification# AZ0819
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
New Hampshire Certification #: 2958
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: 75110505 TX2210023GAP WATER

Pace Project No.: 35476431

Lab ID	Sample ID	Matrix	Date Collected	Date Received
75110505001	PBCU001 EWQP 100 ELM ST	Drinking Water	06/18/19 12:17	06/19/19 09:40
75110505002	DS01 DSTWQP 125 RICARDO LN	Drinking Water	06/18/19 13:01	06/19/19 09:40
75110505003	DS01 DSTWQP 550 MAXWELL ST	Drinking Water	06/18/19 13:22	06/19/19 09:40



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SAMPLE ANALYTE COUNT

Project: 75110505 TX2210023GAP WATER

Pace Project No.: 35476431

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
75110505001	PBCU001 EWQP 100 ELM ST	EPA 200.7	KPP, LEC	5	PASI-O
		SM 2320B	AGS	1	PASI-O
		SM 2510B	MAJ	1	PASI-O
		SM 2540C	MRS	1	PASI-O
		EPA 300.0	ALD	2	PASI-O
		EPA 365.1	KAW	1	PASI-O
75110505002	DS01 DSTWQP 125 RICARDO LN	EPA 200.7	KPP, LEC	5	PASI-O
		SM 2320B	AGS	1	PASI-O
		SM 2510B	MAJ	1	PASI-O
		SM 2540C	MRS	1	PASI-O
		EPA 300.0	ALD	2	PASI-O
		EPA 365.1	KAW	1	PASI-O
75110505003	DS01 DSTWQP 550 MAXWELL ST	EPA 200.7	KPP, LEC	5	PASI-O
		SM 2320B	AGS	1	PASI-O
		SM 2510B	MAJ	1	PASI-O
		SM 2540C	MRS	1	PASI-O
		EPA 300.0	ALD	2	PASI-O
		EPA 365.1	KAW	1	PASI-O



REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 75110505 TX2210023GAP WATER

Pace Project No.: 35476431

Sample: PBCU001 EWQP 100 ELM ST		Lab ID: 75110505001	Collected: 06/18/19 12:17	Received: 06/19/19 09:40	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP, DW No Prep		Analytical Method: EPA 200.7						
Calcium	157000	ug/L	3250	5		06/27/19 15:38	7440-70-2	
Iron	ND	ug/L	120	1		06/25/19 17:40	7439-89-6	
Manganese	ND	ug/L	5.0	1		06/25/19 17:40	7439-96-5	
Sodium	137000	ug/L	2250	1		06/25/19 17:40	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	772000	ug/L	18400	5		06/27/19 15:38		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	651	mg/L	5.0	1		06/27/19 18:15		
2510B Specific Conductance		Analytical Method: SM 2510B						
Specific Conductance @ 25C	2120	umhos/cm	2.0	1		06/27/19 10:12		
2540C Total Dissolved Solids		Analytical Method: SM 2540C						
Total Dissolved Solids	1300	mg/L	20.0	1		06/20/19 16:57		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0						
Chloride	266	mg/L	50.0	10		06/28/19 19:59	16887-00-6	
Sulfate	206	mg/L	50.0	10		06/28/19 19:59	14808-79-8	
365.1 Orthophosphate as P		Analytical Method: EPA 365.1						
Orthophosphate as P	0.050	mg/L	0.0040	1		06/24/19 08:43		H1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 75110505 TX2210023GAP WATER

Pace Project No.: 35476431

Sample: DS01 DSTWQP 125 RICARDO LN		Lab ID: 75110505002	Collected: 06/18/19 13:01	Received: 06/19/19 09:40	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP, DW No Prep		Analytical Method: EPA 200.7						
Calcium	173000	ug/L	3250	5		06/27/19 15:41	7440-70-2	
Iron	ND	ug/L	120	1		06/25/19 17:43	7439-89-6	
Manganese	ND	ug/L	5.0	1		06/25/19 17:43	7439-96-5	
Sodium	152000	ug/L	2250	1		06/25/19 17:43	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B)	877000	ug/L	18400	5		06/27/19 15:41		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	760	mg/L	5.0	1		06/28/19 08:37		
2510B Specific Conductance		Analytical Method: SM 2510B						
Specific Conductance @ 25C	2140	umhos/cm	2.0	1		06/27/19 10:15		
2540C Total Dissolved Solids		Analytical Method: SM 2540C						
Total Dissolved Solids	1280	mg/L	20.0	1		06/20/19 16:57		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0						
Chloride	287	mg/L	50.0	10		06/28/19 20:21	16887-00-6	
Sulfate	221	mg/L	50.0	10		06/28/19 20:21	14808-79-8	
365.1 Orthophosphate as P		Analytical Method: EPA 365.1						
Orthophosphate as P	0.058	mg/L	0.0040	1		06/24/19 08:46		H1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 75110505 TX2210023GAP WATER

Pace Project No.: 35476431

Sample: DS01 DSTWQP 550 MAXWELL ST		Lab ID: 75110505003	Collected: 06/18/19 13:22	Received: 06/19/19 09:40	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP, DW No Prep		Analytical Method: EPA 200.7						
Calcium	160000	ug/L	3250	5		06/27/19 15:45	7440-70-2	
Iron	ND	ug/L	120	1		06/25/19 17:47	7439-89-6	
Manganese	ND	ug/L	5.0	1		06/25/19 17:47	7439-96-5	
Sodium	155000	ug/L	2250	1		06/25/19 17:47	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B)	815000	ug/L	18400	5		06/27/19 15:45		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	193	mg/L	5.0	1		06/28/19 08:43		
2510B Specific Conductance		Analytical Method: SM 2510B						
Specific Conductance @ 25C	823	umhos/cm	2.0	1		06/27/19 10:16		
2540C Total Dissolved Solids		Analytical Method: SM 2540C						
Total Dissolved Solids	466	mg/L	5.0	1		06/20/19 16:57		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0						
Chloride	103	mg/L	10.0	2		06/28/19 20:44	16887-00-6	
Sulfate	76.9	mg/L	10.0	2		06/28/19 20:44	14808-79-8	
365.1 Orthophosphate as P		Analytical Method: EPA 365.1						
Orthophosphate as P	0.031	mg/L	0.0040	1		06/24/19 08:48		H1

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 75110505 TX2210023GAP WATER

Pace Project No.: 35476431

QC Batch: 549161 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 MET No Prep Drinking Water
Associated Lab Samples: 75110505001, 75110505002, 75110505003

METHOD BLANK: 2976969 Matrix: Water

Associated Lab Samples: 75110505001, 75110505002, 75110505003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Calcium	ug/L	ND	500	06/25/19 18:00	
Iron	ug/L	ND	40.0	06/25/19 18:00	
Manganese	ug/L	ND	5.0	06/25/19 18:00	
Sodium	ug/L	ND	2000	06/25/19 18:00	
Tot Hardness asCaCO3 (SM 2340B	ug/L	ND	3310	06/25/19 18:00	

LABORATORY CONTROL SAMPLE: 2976970

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	ug/L	12500	12200	98	85-115	
Iron	ug/L	2500	2440	98	85-115	
Manganese	ug/L	250	242	97	85-115	
Sodium	ug/L	12500	12200	97	85-115	
Tot Hardness asCaCO3 (SM 2340B	ug/L	82700	79500	96	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2976965 2976966

Parameter	Units	30300507001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	ug/L	70.1 mg/L	12500	12500	92500	87400	179	138	70-130	6	20	M1
Iron	ug/L	ND	2500	2500	2030	1900	79	74	70-130	7	20	
Manganese	ug/L	0.047 mg/L	250	250	289	271	97	90	70-130	7	20	
Sodium	ug/L	116 mg/L	12500	12500	162000	154000	366	303	70-130	5	20	M1
Tot Hardness asCaCO3 (SM 2340B	ug/L	226 mg/L	82700	82700	384000	362000	191	165	70-130	6	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2976967 2976968

Parameter	Units	92433303003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	ug/L	ND	12500	12500	12100	13500	92	103	70-130	10	20	
Iron	ug/L	ND	2500	2500	2230	2500	89	100	70-130	11	20	
Manganese	ug/L	ND	250	250	225	263	90	105	70-130	15	20	
Sodium	ug/L	13.9 mg/L	12500	12500	25200	26500	91	101	70-130	5	20	
Tot Hardness asCaCO3 (SM 2340B	ug/L	ND	82700	82700	78400	87000	92	102	70-130	10	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: 75110505 TX2210023GAP WATER

Pace Project No.: 35476431

QC Batch: 549856 Analysis Method: SM 2320B
QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
Associated Lab Samples: 75110505001, 75110505002, 75110505003

METHOD BLANK: 2980983 Matrix: Water

Associated Lab Samples: 75110505001, 75110505002, 75110505003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	ND	5.0	06/27/19 16:53	

LABORATORY CONTROL SAMPLE: 2980984

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	259	258	100	90-110	

SAMPLE DUPLICATE: 2980985

Parameter	Units	35476327001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	974	1670	53	20	D6

SAMPLE DUPLICATE: 2980986

Parameter	Units	35476648003 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	24.8	25.0	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 75110505 TX2210023GAP WATER

Pace Project No.: 35476431

QC Batch: 549669 Analysis Method: SM 2510B
QC Batch Method: SM 2510B Analysis Description: 2510B Specific Conductance
Associated Lab Samples: 75110505001, 75110505002, 75110505003

METHOD BLANK: 2979981 Matrix: Water

Associated Lab Samples: 75110505001, 75110505002, 75110505003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Specific Conductance @ 25C	umhos/cm	ND	2.0	06/27/19 09:23	

LABORATORY CONTROL SAMPLE: 2979982

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Specific Conductance @ 25C	umhos/cm	1410	1430	101	95-105	

SAMPLE DUPLICATE: 2979983

Parameter	Units	35475637001 Result	Dup Result	RPD	Max RPD	Qualifiers
Specific Conductance @ 25C	umhos/cm	756	759	0	20	

SAMPLE DUPLICATE: 2979984

Parameter	Units	35475589001 Result	Dup Result	RPD	Max RPD	Qualifiers
Specific Conductance @ 25C	umhos/cm	1200	1170	2	20	

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QUALITY CONTROL DATA

Project: 75110505 TX2210023GAP WATER

Pace Project No.: 35476431

QC Batch: 548076 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 75110505001, 75110505002, 75110505003

METHOD BLANK: 2970312 Matrix: Water

Associated Lab Samples: 75110505001, 75110505002, 75110505003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	5.0	06/20/19 16:56	

LABORATORY CONTROL SAMPLE: 2970313

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	310	103	90-110	

SAMPLE DUPLICATE: 2970314

Parameter	Units	20108725001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	463	464	0	5	

SAMPLE DUPLICATE: 2970315

Parameter	Units	35476373004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	554	561	1	5	

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QUALITY CONTROL DATA

Project: 75110505 TX2210023GAP WATER

Pace Project No.: 35476431

QC Batch: 550142 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 75110505001, 75110505002, 75110505003

METHOD BLANK: 2982732 Matrix: Water

Associated Lab Samples: 75110505001, 75110505002, 75110505003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	5.0	06/28/19 17:46	
Sulfate	mg/L	ND	5.0	06/28/19 17:46	

LABORATORY CONTROL SAMPLE: 2982733

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.6	99	90-110	
Sulfate	mg/L	50	48.5	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2986110 2986111

Parameter	Units	35475516001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	2.5U	50	50	45.4	50.2	88	97	90-110	10	20	M1
Sulfate	mg/L	2.5U	50	50	44.4	49.2	87	96	90-110	10	20	M1

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QUALITY CONTROL DATA

Project: 75110505 TX2210023GAP WATER

Pace Project No.: 35476431

QC Batch: 548639 Analysis Method: EPA 365.1
QC Batch Method: EPA 365.1 Analysis Description: 365.1 Orthophosphate as P
Associated Lab Samples: 75110505001, 75110505002, 75110505003

METHOD BLANK: 2974490 Matrix: Water

Associated Lab Samples: 75110505001, 75110505002, 75110505003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Orthophosphate as P	mg/L	ND	0.0040	06/24/19 08:41	

LABORATORY CONTROL SAMPLE: 2974491

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Orthophosphate as P	mg/L	0.1	0.099	99	90-110	

MATRIX SPIKE SAMPLE: 2974493

Parameter	Units	75110505001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Orthophosphate as P	mg/L	0.050	0.1	0.16	105	90-110	H1

SAMPLE DUPLICATE: 2974492

Parameter	Units	75110505001 Result	Dup Result	RPD	Max RPD	Qualifiers
Orthophosphate as P	mg/L	0.050	0.052	4	20	H1

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QUALIFIERS

Project: 75110505 TX2210023GAP WATER

Pace Project No.: 35476431

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-O Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

[REDACTED] outside the EPA method holding time.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 75110505 TX2210023GAP WATER

Pace Project No.: 35476431

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
75110505001	PBCU001 EWQP 100 ELM ST	EPA 200.7	549161		
75110505002	DS01 DSTWQP 125 RICARDO LN	EPA 200.7	549161		
75110505003	DS01 DSTWQP 550 MAXWELL ST	EPA 200.7	549161		
75110505001	PBCU001 EWQP 100 ELM ST	SM 2320B	549856		
75110505002	DS01 DSTWQP 125 RICARDO LN	SM 2320B	549856		
75110505003	DS01 DSTWQP 550 MAXWELL ST	SM 2320B	549856		
75110505001	PBCU001 EWQP 100 ELM ST	SM 2510B	549669		
75110505002	DS01 DSTWQP 125 RICARDO LN	SM 2510B	549669		
75110505003	DS01 DSTWQP 550 MAXWELL ST	SM 2510B	549669		
75110505001	PBCU001 EWQP 100 ELM ST	SM 2540C	548076		
75110505002	DS01 DSTWQP 125 RICARDO LN	SM 2540C	548076		
75110505003	DS01 DSTWQP 550 MAXWELL ST	SM 2540C	548076		
75110505001	PBCU001 EWQP 100 ELM ST	EPA 300.0	550142		
75110505002	DS01 DSTWQP 125 RICARDO LN	EPA 300.0	550142		
75110505003	DS01 DSTWQP 550 MAXWELL ST	EPA 300.0	550142		
75110505001	PBCU001 EWQP 100 ELM ST	EPA 365.1	548639		
75110505002	DS01 DSTWQP 125 RICARDO LN	EPA 365.1	548639		
75110505003	DS01 DSTWQP 550 MAXWELL ST	EPA 365.1	548639		



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