	Completed by PWS (or Ac	mont)													
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		MI	F			TCEQ Lab ID#:	2	8 E Tower Cir Ormond Bch 32174 T-104704184-16-10 Bradley Smith							
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WS Contact: Refer (30)						Laboratory Address;				_		•			
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id sites selected for sampling follow the instruction	s.in the TCEQ Monitoring and	Sample Collectio	n Guldance for Water C	ually		Leade distribute di		Sample Conditions Upon Receipt (1)			licad	Saction	l fa	mbient	and the second
Parameters. This includes, but not finited to the measurement of pH and temperature Immediately upon collection: F restor state and/or indicated and the format for			r samples is a crime pu	nstracie	e file	Date	1. N. H. M. W. W.	Rejection Code (If applicable):		Act	at / Cor			14,350,500	10.8
Ray Cotton Fyfa.			TMWD			1/16/2019	148-441	(Acidified):		The	momet	er ID#	-	T3	37
Cheinrof Custody Jeanquished By (Signature) EMMY MCINAVE Seconded By Courier (Signature)		Deterfilme: Relinquished By Courier (Signature) 01/16/19 02:32 PM Date/Time: Received By Lab (Signature)			Oate/Time: Date/Time:		Laboratory Comments: Relinquished By Date/Time on should not be construed as cha	his form	reflec ustody.	s Custo See Su	idy Sea bcontra	l applic act mar	ation or nifest.	ly and	
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P	PWS Contact:	Jar	cel Hay				***			•		wylie .	T	X	7	5	08	9			
	act Phone #:	115	110-69	14.6						Laborat	tory Contact:	RAY CO	+	Ю	n						
Inhibite	or or Stablizer I	Used (√):	Phosphate		Silica		Calcium ca	rbonate				1 ,									
TR	EATMENT		Alkalinity Dosage Rate:		Inhibitor Do			<u>.</u> <u>.</u>		Laboratory Co	ontact Phone #:	469.62	ها		41	et	25)			
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Tempe	erature and pH	(Y or N):	Laboratory Ap	oproval Form on life	at the TCEQ?	<u> </u>	collection?		1	1			_	_				,		_	
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Budgoi	EWAP	3533	Cours	Budge	1-16-19	10:30 an	8.30	16.8				19031487	21 v	/ v	' '	V	√ ∨		V \	1	Щ
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Document Revised: 2/28/18

Page 1 of 1

(50)	Document No.;	issuing Authority:
. 1	F-DAL-C-001-rev.08	Pace Dallas Quality Office
	Sample Condition Up	on Receipt
	Dallas □Ft Worth	W0#:75101842
		10101042
**************************************		\$\\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Client Name: NTMWD	Project Work or	rder:
Courier: FedEX UPS USPS Client LS	O 🗆 PACE 🗹 Other:	75101842
Tracking #:		
Custody Seal on Cooler/Box: Yes 🗗 No 🗅	Seals Intact: Yes No 🗆	J NA □
Packing Material: Bubble Wrap Bubb	le Bags & Foam D No	one Other
Thermometer Used: 12 - 11 Type of Ice		
Cooler Temp °C: D O (Recorded) TO. 8	(Correction Factor) 0.8	Actual) (Thermal preservation not required)
	be above freezing to 6°C	rectual)
	Yes M No 🗆	11
Chain of Custody Present	- 1	
Chain of Custody filled out	Yes O No 🗆	2
Chain of Custody relinquished	Yes No D	3
Sampler name & signature on COC	Yes a No □	4
Sample received within HT	Yes ♥ No □	5
Short HT analyses (<72 hrs)	Yes □ No th	6
	Yes D No D	7
Rush TAT requested		
Sufficient Volume received	Yes of No □	8
Correct Container used	Yes of No 🗆	9
Pace Container used	Yes □ No o	
Container Intact	Yes 🗷 No 🗀	10
Unpreserved 5035A soil frozen within 48 hrs	Yes □ No □ NA	<u>/</u> 11
Filtered volume received for Dissolved tests	Yes 🗆 No 🗆 NA	9/ 12
Sample labels match COC	117119 Yes of No 0	13
الماد Include date/time/ID/analyses Matrix: المناد		· **
All containers needing preservation have been che	cked Yes 🗆 No 🗀 NA	14a. pH Strip Lot #:-
All found to be in Compliance with EPA recommend	dation Yes □ No □ NA	Original pH: pH<2 p pH>9 pH>12 Neutral D
(includes residual chlorine checks)	• • • • • • • • • • • • • • • • • • • •	Lot# of lodine strip:
Exception: VOA, coliform, O&G	Yes □ No po	Lot# of Lead Acetate strip:
Do containers require preservation at the lab	Yes D No D	14b. Preservation: Lot# and adjusted pH:
		pH<2 p pH>9 pH>12
Are soil samples (volatiles) received in Bulk 🗆 📵	Terracore D EnCore D NAC	15.
Trip Blank present	Yes D No D NA g	g 16.
Trip Blank Custody Seals Intact	Ÿes □ No □ NA 🗡	'
Pace Trip Blank Lot# (if purchased):		# 5
Headspace in VOA (>6mm)	Yes 🗆 No 🗆 NA 🗹	17.
Project sampled in USDA Regulated Area:	Yes D No D	18. List State / V
* ***	11.	-,
Triage Person: Date: 11719 Logi	in Person: / C Date: 17	7/19 Labeling Person: AT Date: 1/7/19
Client Notification/Resolution/Comments:	ap 50	
Person Contacted:	Date:	
Comments/Resolution: PH to be a	hecked at receiving	9 facility
		<u>/</u>
20.000	200	
Brollet Manager Reviews MM	M s	
Project Manager Review:		

Document Name:

Sample Condition Upon Receipt

: 1903148

Printed: 1/16/2019 11:51:00AM

EMBC. : Lead and Copper Rule Address 1101 East Main Project Locale : Mesquite, TEXAS 75149 Project # : LCR Water Quality Parameters Client Contact: Jared Hogue Lab Contact: Kelly Harden jhogue@cityofmesquite.com kharden@ntmwd.com RECEIVING LABORATORY: **SENDING LABORATORY:** North Texas Municipal Water District Pace Analytical Services, Inc. 201 E. Brown St. 400 West Bethany Drive Wylie, TX 75098 Allen, TEXAS 75013-3714 Phone: (972) 442-5405 Phone: (972) 727-1123 Fax: (972) 295-6427 Fax: (972) 727-1175 Accounts Payable Original Invoice To: Corrected Temp. Reception Comments: Copy Report To : Jared Hogue Preservation Check/Adjusted By: °C ΥN Copy Invoice To: Buford Green [bgreen@ntmwd.com] Reagent i.D. Reagent (LIMS #) Type Affected 2 Container I.Ds °C °C Mailing Address: North Texas Municipal Water District H2SO4 3 °C °C HNO3 PO Box 2408 NaOH °C °C Wylie, TEXAS 75098 Element compatible EDD requested. Please contact NTMWD Laboratory Information Technician for Excel/Transfer specifications. Compress and send EDD and PDF files to: ehowland@ntmwd.com and rcotton@ntmwd.com Samples transported from NTMWD to contract laboratory by courier service. Receiving Lab - Lab ID: 75101842-00 Sample ID: 1903148-01 (3535 Barnes Bridge) Type: Grab Matrix: Aqueous; (Water) Comments: Sampled: 2019-01-16 10:30 Jared Hogue - Production Supervisor

Workorder

Analysis [Bid Code] **Expires** Comments 2019-07-15 10:30 Ca Total 200.7 (Sub-Contract PACE) [20171220] 2019-07-15 10:30 Fe Total 200.7 (Sub-Contract PACE) [20171220] 2019-07-15 10:30 Mn Total 200.7 (Sub-Contract PACE) [20171220] 2019-07-15 10:30 Na Total 200.7 (Sub-Contract PACE) [20171220]

Containers Supplied:

Released By

250mL HDPE Unpres (B)

NTMWD LABORATORY SUBCONTRACT ORDER

: City of Mesquite

Client

WO#:75101842

CLIENT: NTMWD

NTMWD \

Received By

SCF-1 10/28/09

Date/Time

Affiliation

Affiliation Date/Time

Page 1 of 2

Printed: 1/16/2019 11:51:00AM

EM/P.C.

NTMWD LABORATORY SUBCONTRACT ORDER

: City of Mesquite

Address : 1101 East Main

Locale : Mesquite, TEXAS 75149 Client Contact: Jared Hogue

Client

jhogue@cityofmesquite.com

Workorder : 1903148

: Lead and Copper Rule Project

: Lead and copper : LCR Water Quality Parameters Project #

Lab Contact: Kelly Harden

kharden@ntmwd.com

Analytes and MAL requirements

Comment: LOQ=0.2 LCL=0.7 UCL=1.3 Ca Total 200.7 (Sub-Contract PACE)

0.20 mg/L Calcium

Fe Total 200.7 (Sub-Contract PACE) Comment: LOQ=0.2 LCL=0.7 UCL=1.3

0.20 mg/L iron

Mn Total 200.7 (Sub-Contract PACE) Comment: LOQ=25 LCL=0.7 UCL=1.3

Manganese 25.00 ug/L

Na Total 200.7 (Sub-Contract PACE) Comment: LOQ=0.2 LCL=0.7 UCL=1.3

Sodium 0.20 mg/L

PM: MLM

Due Date: 01/31/19

CLIENT: NTMWD

NTMWD \

Released By

Affiliation

Date/Time

Received By

Affiliation

Date/Time

SCF-1 10/28/09

Page 2 of 2

North Texas Municipal Water District Subcontract Manifest C:36-290:R:1.1E:01/25/12 Printed: 1/17/2019 7:26 Al

Page: 1 of

From:

North Texas Municipal Water District Laboratory

To:

Pace Analytical Services, Inc.

1

Number of Coolers

1:17:19 8AM Custody Seal Date/Time

LabNumber	Analysis	Due	Comment
1903148-01	Ca Total 200.7 (Sub-Contract PACE)	1/26/2019 15:00	
1903148-01	Fe Total 200.7 (Sub-Contract PACE)	1/26/2019 15:00	
1903148-01	Mn Total 200.7 (Sub-Contract PACE)	1/26/2019 15:00	
1903148-01	Na Total 200.7 (Sub-Contract PACE)	1/26/2019 15:00	
1902169-02	Oil & Grease (Sub-Contract PACE)	1/19/2019 15:00	
1902222-01	Oil & Grease (Sub-Contract PACE)	1/20/2019 15:00	
1902249-01	Oil & Grease (Sub-Contract PACE)	1/21/2019 15:00	

WO#:75101842

PM: MLM

Due Date: 01/31/19

CLIENT: NTMWD

	Relinquished By:	Received By	: 1-17-19
5 my manye	DMILYMCIntire 1:17	19 9:36 Chas Jones	Chro Jones Pace 936
1 I Siui	nature Finited Name	Date/Time Signature	Printed Name
Chris Fines Chris	Jones Pace 1-17-15 11	013 M. Hurand	S (PACE) 1. 17.17 Rage 64 13

PWS ID#: TCEQ Lab ID #: PWS Address: PWS Contact: PWS Contact Phone #: Laboratory Address: Laboratory Contact: Laboratory Contact:									TEV															
Autoratory Name Control Control								WATE																
PYS Cented Price # Laboratory Address Laborato						Comple	eted by PWS (c	r Agent)							Completed by Laboratory	_		_						
TREATMENT Assisting Design Patts Design Patts Design Patts Compliance Sample Collector (1): Precipitative and pH (1 or N): Assisting Assist	PWS Name:								ير.	a			Laboratory Name:											
TREATMENT Assisting Design Patts Design Patts Design Patts Compliance Sample Collector (1): Precipitative and pH (1 or N): Assisting Assist	PWS ID#:						- 2010	NPM	W	5	•		TCEQ Lab ID#						_			_		
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TREATMENT Assisting Design Patts Design Patts Design Patts Compliance Sample Collector (1): Precipitative and pH (1 or N): Assisting Assist	PWS Contact Phon	e #:		<u>Ballan</u>			· ·										_		_			—		
TREATMENT Dosage Rate Inhibitor Dosage Rate Inhibi	Inhibitor or Stabliz	er Used (√):		Phosphate		8	Silica				ate		1											
Sample Cellector (1): In Placific Water System Are temperature and pHT (Y or N): Are temperature and pHT (Y or N): Are temperature and pHT (Y or N): Are temperature and pHT (N or N): Ar	TREATMENT					Inhibito	r Dosage Rate						Labor	atory Contact Phone #										
Sample Point D Sample Point D	Sample Tune (v/)			I Committee												_	_							
Temperature and pN (Y or N): Are temper								•							Parameters Requested: Analyses are	requ	uired f	for the	param	eters				
Laborator Approved From on the attractions Sample Collection						1									these parameters should also be ana	lyzed	depr	ending	on wh	ich is	in			
Sample Collection Facility ID (e.g. DSTVPCP, EWOP) Facility TD (e.g. DSTVPCP, EWOP) Sample Location Date (MMCDYY) HeHMAU) PH Temp (°C) Date (MMCDYY) Time - 24 hr (MMCDYY) HeHMAU) PH Temp (°C) Date (MMCDYY)										Were temperatu	re and pH meas	ured in th	e field within 15 minutes	of sample	1		U	130.						
PH Temp (C) Date (MMDDYY) Las Sample ID Date (MMDDYY) Date (MMDDYY							Collection			Field Measurem	ents	2	1	T		5	ெ	F	≘ কি	1	ि	র ভি	Ta	<u> </u>
PH Temp (C) Date (MMDDYY) Las Sample ID Date (MMDDYY) Date (MMDDYY									eplacement		eplacement?	Original Sample			Alkalinity (19;	Calcium (19	Chloride (10	Conductor lardness (191	Iron (102	ganese (103	Sodium (10: Sulfate (10:	TDS (193	O-Phospha Silica (1049	
acknowledge that information on this form is two and correct and that selected for samplery lieber the restrictions in the TCEQ Mentioning and Sample Collection Guidance for Water Quality Parameters, Tale Richael, but no lemberate the immediately upon collection, Failefulation of this form or tampering with water analysis in a crime puralisation. Samples conditions Upon Received (1) Samples received unpreserved? Loed Ambient	DS01, PBC0001)	EWQP)	_			+			_	pН	Temp (°C)	<u> </u>	ID#		Lab Sample ID		Ш	Ш	止	L	Mar			
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Samples received unpreserved? Iced Ambient			<u></u>			ļ			\dashv			$oxed{oxed}$												
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Samples received unpreserved? Iced Ambient	I not south doe that before		<u> </u>														П	.			11			
Name of Authorized PWS Representative (Print) Ray Cotton NTMWD I/16/2019 Date/Time Clariful Signature) Date/Time Signature) Received By Courier (Signature) Date/Time Date/Time Date/Time Date/Time Date/Time Signature) Date/Time Date/Time Date/Time Signature Date/Time Signature Date/Time Signature Signature Date/Time Signature Signatu	Parameters. This include	but not limited to the	measurement	of pH and temperature	r sampling follow the instruction: re immediately upon collection.	is in the TCE Falsification	Q Monitoring and of this form or tar	Sample Collect opening with wa	ction Gu ater san	uidance for Water C mples is a crime pur	uatity ishable						二			_	=	<u> </u>		
Ray Cotton Thermometer ID #: Chain of Custody Reinquished By (Signature) Chain of Custody Reinquished By (Signature) Date/Time O1/16/19 02:32 PM Date/Time O1/16/19 02:32 PM Received By Courser (Signature) Date/Time Should not be construed as change of custody. See Subcontract manifest.	DEADER STATE ALL DESCRIPTIONS	RUMBE / LINKING PRIDELL	COR LINES LA	1801AC 37 301									Ta .			7					Ц′	mbient	<u> </u>	
Chain of Custody Chain of Cus				-													B:							
101/16/19 02:32 PM Date/Time CEO 20070 (Rev 12/2017)	700				NIN	MWD ————			1/16/2019		(Acidified)		ŀ	Therm	ometei	r ID#	E.		-					
101/16/19 02:32 PM Date/Time CEO 20070 (Rev 12/2017)	Relinquished By (Signatu	re)				Date/Time	0	Reingue	shed Ru	Courier (Sinnalize				Date/lime			\Box				\bot			
Date/Time Received By Lab (Signature) Date/Time Should not be construed as change of custody. See Subcontract manifest CEO 20079 (Rev 12/2017)		01/16/19 0		/19 02:32 PM							Date/Time:	Relinquished By Date/Time on th	s for	rm rei	flects	Custod	y Seal	l applir	ation	only ar	nd			
CEQ 20679 (Rev 12/2017) hecked If inhibitors containing phosphate or silica are used, then				•	Received	d By Lai	b (Signature)				Date/Time	snould not be construed as change of custody. See Subcontract manifest.												
	TCEQ 20679 (Rev 12/20 checked * If inhibito	17)	nhate or edi-	a are need than							<u>-</u>					_	_							

CI	nain of Custody	WHEN PROPERTY OF THE PERSONS ASSESSED.				NATURAL PROPERTY.	With the State of							
	Samples were sent d	irectly to th	ne Subcontracti	ng Laboratory	<i>/</i> .									Abandical
								. Need	_	Yes	No	3377343	,	
	rkorder: 75101842 Wo	rkorder N	ame: 1903148		uite		Own	er Red	ceived	Date:	1/17/2019		Requested B	y: 1/31/2019
-			Subcontra								Requested	d Analysis		
Pac 400 Suit Alle	issa McCullough e Analytical Dallas West Bethany Drive e 190 n, TX 75013 ne (972)727-1123		8 Eas Ormoi	Analytical Ormot t Tower Circle nd Beach, FL e (386)672-566	32174		eserved Cor	itainers	Ca,Fe,Mn,Na					
Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Uhpreserved								LAB USE ONLY
1	1903148-01 (3535 BarnesBridge)	PS	1/16/2019 10:30	75101842001	Drinking	1			X					
2														
3														
4					-			1						
5			L											
Tran	sfers Released By		Date/Time	Received I	Rv			Date/1	Fi			Con	nments	
2 3	Haj pu	Ey	1-21-191	7:00 Fed	00B0		ace o	01-21-1	19/13:0	130				
Coc	ler Temperature on Recei	pt U·0	°C Cus	tody Seal	Y or N		Rec	eived	on Ice	Y or	N	Sar	nples 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.

PWS 0570014 AC 20190116 WQP Analysis Report.PDF

Document Name:
Sample Condition Upon Receipt Form
Document No.:
F-FL-C-007 rev. 13

AC 20190116 WQP Analysis Report.PDF

May 30, 2018
Issuing Authority:
Pace Florida Quality Office

Pace Analytical Florida Laboratory

CUR)

	Project #
Project	Manager:
	2000

PM: BTS

Due Date: 01/29/19

Date and Initials of person:

Project Manager:	CLIENT: PACDAL		Examining contents:
Client:			Label: Deliver:
		,	pH:
Thermometer Used: 13	37 Date: 0/22	/ 19 Time:	30_ Initials: JRA
State of Origin:		projects, all containers verif	ied to ≤6 °C
Cooler #1 Temp. °C (Visua	al) + 2 (Correction Factor)	Actual)	Samples on ice, cooling process has begun
Cooler #2 Temp.°C(Visua	al)(Correction Factor)	(Actual)	Samples on ice, cooling process has begun
Cooler #3 Temp.°C(Visua	al)(Correction Factor)	(Actual)	Samples on ice, cooling process has begun
Cooler #4 Temp.°C(Visua	al)(Correction Factor)	(Actual)	Samples on ice, cooling process has begun
Cooler #5 Temp.°C(Visua	al)(Correction Factor)	(Actual)	Samples on ice, cooling process has begur
Cooler #6 Temp.°C(Visua	al)(Correction Factor)	(Actual)	Samples on ice, cooling process has begur
Shipping Method:	USPS Client Control of Control of Client Control of Control of Client Control of Control of Client Con	d Overnight Ground	☐ Other ☐ International Priority ☐ Unknown
	,		
Custody Seal on Cooler/Box Presen	, ,	intact: Yes No	Ice: (Wet)Blue Dry None
Packing Material: Bubble Wrap	☐ Bubble Bags ☐ None ☐ C	Other	
Samples shorted to lab (If Yes, com	plete) Shorted Date:	Shorte	ed Time: Qty:
		Comments:	
Chain of Custody Present	✓Yes □ No □N/A		
Chain of Custody Filled Out	ÁYes □ No □N/A		
Relinquished Signature & Sampler Na	me COC ØYes □ No □N/A		
Samples Arrived within Hold Time	✓Yes □ No □N/A	1 1	
Rush TAT requested on COC	□Yes ☑ No □N/A	1/31/19	
Sufficient Volume	DYes □ No □N/A	1 1	
Correct Containers Used	ØYes □ No □N/A		
Containers Intact	ØŶes □ No □N/A		
Sample Labels match COC (sample IDs & collection)	-∕∆Yes □ No □N/A	95	
All containers needing acid/base preservat checked.	ion have been		Preservation Information:
All Containers needing preservation are for compliance with EPA recommendation:		Preservative: Lot #/Trace # Date: () () () Initials:	22.19 Time: 12.20
Headspace in VOA Vials? (>6mm):	□Yes □ No ØN/A	-	
Trip Blank Present:	□Yes □ No ZN/A		
Client Notification/ Resolution: Person Contacted: Comments/ Resolution (use back fo	r additional comments):	Date/Time:	
Project Manager Review			Date:



January 31, 2019

Brooke Noack North Texas Municipal Water District PO Box 2408 Wylie, TX 75098

RE: Project: 1903148/City of Mesquite

Pace Project No.: 75101842

Dear Brooke Noack:

Enclosed are the analytical results for sample(s) received by the laboratory on January 17, 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,

Mehon Mc Cullough

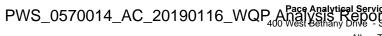
Melissa McCullough

(972)727-1123 Project Manager

Enclosures

cc: Ed Howland, North Texas Municipal Water District Jim Shirley, North Texas Municipal Water District







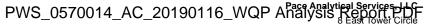
Allen, TX 75013 (972)727-1123

SAMPLE SUMMARY

Project: 1903148/City of Mesquite

Pace Project No.: 75101842

Lab ID	Sample ID	Matrix	Date Collected	Date Received
75101842001	1903148-01 (3535 BarnesBridge)	Drinking Water	01/16/19 10:30	01/17/19 16:13





Ormond Beach, FL 32174 (386)672-5668

January 25, 2019

Melissa.McCullough Pace Analytical Dallas 400 West Bethany Drive Suite 190 Allen, TX 75013

RE: Project: 75101842 1903148/City of Mesqu

Pace Project No.: 35443439

Dear Melissa.McCullough:

Enclosed are the analytical results for sample(s) received by the laboratory on January 22, 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

Bodles Smith

Enclosures





PWS_0570014_AC_20190116_WQP Analysis Report PDF

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CERTIFICATIONS

Project: 75101842 1903148/City of Mesqu

Pace Project No.: 35443439

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174

Alabama Certification #: 41320

Colorado Certification: FL NELAC Reciprocity

Connecticut Certification #: PH-0216 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



PWS_0570014_AC_20190116_WQP Analysis Report PLE

Ormond Beach, FL 32174 (386)672-5668

SAMPLE SUMMARY

Project: 75101842 1903148/City of Mesqu

Pace Project No.: 35443439

Lab ID	Sample ID	Matrix	Date Collected	Date Received
75101842001	1903148-01 (3535 BarnesBridge)	Drinking Water	01/16/19 11:30	01/22/19 11:30



PWS_0570014_AC_20190116_WQP Analysis Report PLICE

Ormond Beach, FL 32174 (386)672-5668

SAMPLE ANALYTE COUNT

Project: 75101842 1903148/City of Mesqu

Pace Project No.: 35443439

Lab ID	Sample ID	Method	Analysts	Analytes Reported
75101842001	1903148-01 (3535 BarnesBridge)	EPA 200.7	LEC	4



PWS_0570014_AC_20190116_WQP Analysis Repower Pure PWS_0570014_AC_20190116_WQP Analysis Repower Pure PWS_0570014_AC_20190116_WQP Analysis Repower PWS_0570014_AC_20190116_AC_2019016_AC_2019016_AC_2019016_AC_2019016_AC_2019016_AC_2

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ANALYTICAL RESULTS

Project: 75101842 1903148/City of Mesqu

Pace Project No.: 35443439

Date: 01/25/2019 12:27 PM

Sample: 1903148-01 (3535 Lab ID: 75101842001 Collected: 01/16/19 11:30 Received: 01/22/19 11:30 Matrix: Drinking Water BarnesBridge) Report Limit MDL DF **Parameters** Results Units Prepared Analyzed CAS No. Qual Analytical Method: EPA 200.7 200.7 MET ICP, DW No Prep 57.6 Calcium mg/L 0.65 0.20 01/24/19 15:48 7440-70-2 Iron ND mg/L 0.12 0.039 1 01/24/19 15:48 7439-89-6 Manganese 0.0056 mg/L 0.0050 0.0012 1 01/24/19 15:48 7439-96-5 01/24/19 15:48 7440-23-5 Sodium 52.5 0.59 mg/L 2.2 1



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QUALITY CONTROL DATA

Project: 75101842 1903148/City of Mesqu

Pace Project No.: 35443439

QC Batch: 510294 Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7 Analysis Description: 200.7 MET No Prep Drinking Water

Associated Lab Samples: 75101842001

METHOD BLANK: 2755117 Matrix: Water

2755110

Associated Lab Samples: 75101842001

LABORATORY CONTROL CAMPLE

Date: 01/25/2019 12:27 PM

		Blank	Reporting			
Parameter	Units	Result	Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND ND	0.50	0.064	01/24/19 15:37	
Iron	mg/L	ND	0.040	0.0092	01/24/19 15:37	
Manganese	mg/L	ND	0.0050	0.00042	01/24/19 15:37	
Sodium	mg/L	ND	2.0	0.27	01/24/19 15:37	

LABORATORY CONTROL SAMPLE:	2/55118	Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Calcium	mg/L	12.5	12.4	99	85-115	
Iron	mg/L	2.5	2.5	99	85-115	
Manganese	mg/L	0.25	0.25	98	85-115	
Sodium	ma/L	12.5	12.3	99	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2755119 2755120												
		75101842001	MS Spike	MSD Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD		Qual
Calcium	mg/L	57.6	12.5	12.5	68.2	68.6	85	88	70-130	0	20	
Iron	mg/L	ND	2.5	2.5	2.5	2.5	98	98	70-130	0	20	
Manganese	mg/L	0.0056	0.25	0.25	0.25	0.25	97	97	70-130	0	20	
Sodium	mg/L	52.5	12.5	12.5	64.6	64.3	96	94	70-130	0	20	

MATRIX SPIKE & MATRIX SPIR	KE DUPLIC	ATE: 27551:	21		2755122							
			MS	MSD								
		75101873010	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Calcium	mg/L	42.7	12.5	12.5	54.2	54.4	92	94	70-130	0	20	
Iron	mg/L	ND	2.5	2.5	2.5	2.5	99	98	70-130	1	20	
Manganese	mg/L	ND	0.25	0.25	0.25	0.25	98	98	70-130	1	20	
Sodium	mg/L	16.6	12.5	12.5	28.7	28.8	97	98	70-130	0	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.



PWS_0570014_AC_20190116_WQP Analysis Report Public Public

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QUALIFIERS

Project: 75101842 1903148/City of Mesqu

Pace Project No.: 35443439

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.

Date: 01/25/2019 12:27 PM



Ormond Beach, FL 32174 (386)672-5668

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 75101842 1903148/City of Mesqu

Pace Project No.: 35443439

Date: 01/25/2019 12:27 PM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
75101842001	1903148-01 (3535 BarnesBridge)	EPA 200.7	510294		