


TCEQ 20870 (Rev 12/2017)

Page 9 of 19

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY WATER QUALITY PARAMETER MONITORING FORM 20679																						
Completed by PWS (or Agent)										Completed by Laboratory												
PWS Name: <i>Ct. of Mesquite</i>					Laboratory Name: <i>North Texas Municipal Water District</i>																	
PWS ID#: <i>TX 0570014</i>					TCEQ Lab ID #: <i>48175</i>																	
PWS Address: <i>1101 East Main St. Mesquite Tx 75149</i>					Laboratory Address: <i>201 East Brown St. Wylie TX 75089</i>																	
PWS Contact: <i>Jared Hogue</i>																						
PWS Contact Phone #: <i>972-210-6946</i>					Laboratory Contact: <i>Ray Cotton</i>																	
Inhibitor or Stabilizer Used (✓): Phosphate <input type="checkbox"/> Silica <input type="checkbox"/> Calcium carbonate <input type="checkbox"/>																						
TREATMENT		Alkalinity Dosage Rate:		Inhibitor Dosage Rate:		Laboratory Contact Phone #: <i>469-626-4605</i>																
Sample Information										Parameters Requested: Analyses are required for the parameters checked. * If inhibitors containing phosphate or silica are used, then these parameters should also be analyzed depending on which is in use.												
Sample Type (✓):		Compliance <input checked="" type="checkbox"/> Non-compliance <input type="checkbox"/>																				
Sample Collector (✓):		Public Water System <input checked="" type="checkbox"/> Accredited Lab <input type="checkbox"/> 3rd Party Contractor --> LAB ID <input type="checkbox"/> AL <input type="checkbox"/>																				
Temperature and pH (Y or N): <input checked="" type="checkbox"/> Are temperature and pH included on the sampling entity's Laboratory Approval Form on file at the TCEQ? <input checked="" type="checkbox"/> Were temperature and pH measured in the field within 15 minutes of sample collection? <input checked="" type="checkbox"/>																						
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)	Sulfate (1052)	Sulfate (1055)	TDS (1930)	O-Phosphate (1044)*	Silica (1049)*
			Date (MMDDYY)	Time - 24 hr (HHMM)	pH	Temp (°C)																
<i>PBCU001</i>	<i>EWQP</i>	<i>3535 Barros Bridge</i>	<i>1-16-19</i>	<i>10:30am</i>	<i>8.20</i>	<i>16.8</i>				<i>1903148-01</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
											<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
											<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
											<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
											<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
											<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
											<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
											<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
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 (✓)												
Name of Authorized PWS Representative (Print)					Signature			Organization		Date		<input checked="" type="checkbox"/> Samples received unpreserved?		<input checked="" type="checkbox"/> Iced		Ambient						
<i>Jared Hogue</i>					<i>Jared Hogue</i>			<i>Ct. of Mesquite</i>		<i>1-16-19</i>		Rejection Code (if applicable):		Actual / Corrected sample temperature:		<i>9.4 / 10.4</i>						
Date & Time of Sample Preservation (Acidified):					Thermometer ID #:																	
Chain of Custody																						
Relinquished By (Signature)			Date/Time:		Relinquished By Courier (Signature)			Date/Time:		Laboratory Comments:												
<i>Jared Hogue</i>			<i>1-16-19 10:35am</i>		<i>Eco Sosa</i>			<i>1-16-19 11:09am</i>		<i>Temp OIA</i>												
Received By Courier (Signature)			Date/Time:		Received By Lab (Signature)			Date/Time:														
<i>Eco Sosa</i>			<i>1-16-19 10:35am</i>		<i>Ray Cotton</i>			<i>1-16-19 11:09am</i>														

21: Sorrells

	Document Name: Sample Condition Upon Receipt	Document Revised: 2/28/18 Page 1 of 1
	Document No.: F-DAL-C-001-rev.08	Issuing Authority: Pace Dallas Quality Office

Sample Condition Upon Receipt

☒ Dallas ☐ Ft Worth

WO#: 75101842

Client Name: NTMWD Project Work order: _____Courier: FedEX ☐ UPS ☐ USPS ☐ Client ☐ LSO ☐ PACE ☒ Other: _____

Tracking #: _____

Custody Seal on Cooler/Box: Yes ☒ No ☐ Seals Intact: Yes ☒ No ☐ NA ☐Packing Material: Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Other ☐Thermometer Used: 12-11 Type of Ice: Wet ☒ Blue ☐ None ☐ Sample Received on ice, cooling process has begun ☒Cooler Temp °C: 0.0 (Recorded) +0.8 (Correction Factor) 0.8 (Actual) ☐ (Thermal preservation not required)

Temp should be above freezing to 6°C

Chain of Custody Present	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	1
Chain of Custody filled out	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	2
Chain of Custody relinquished	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	3
Sampler name & signature on COC	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	4
Sample received within HT	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	5
Short HT analyses (<72 hrs)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	6
Rush TAT requested	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	7
Sufficient Volume received	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	8
Correct Container used	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	9
Pace Container used	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Container Intact	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	10
Unpreserved 5035A soil frozen within 48 hrs	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/>	11
Filtered volume received for Dissolved tests	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/>	12
Sample labels match COC	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	13
Include date/time/ID/analyses	Matrix: <u>AE 1/17/19</u> <u>NTMWD</u>	
All containers needing preservation have been checked	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/>	14a. pH Strip Lot #: _____
All found to be in Compliance with EPA recommendation (includes residual chlorine checks)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/>	Original pH: pH<2 <input type="checkbox"/> pH>9 <input type="checkbox"/> pH>12 <input type="checkbox"/> Neutral <input type="checkbox"/>
Exception: VOA, coliform, O&G	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Lot# of Iodine strip: _____
Do containers require preservation at the lab	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Lot# of Lead Acetate strip: _____
Are soil samples (volatiles) received in Bulk <input type="checkbox"/> Terracore <input type="checkbox"/> EnCore <input type="checkbox"/> NA <input checked="" type="checkbox"/>		14b. Preservation: _____ Lot# and adjusted pH: _____
		pH<2 <input type="checkbox"/> pH>9 <input type="checkbox"/> pH>12 <input type="checkbox"/>
Trip Blank present	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/>	15.
Trip Blank Custody Seals Intact	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/>	16.
Pace Trip Blank Lot# (if purchased):		
Headspace in VOA (>6mm)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/>	17.
Project sampled in USDA Regulated Area:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	18. List State <u>TX</u>

 Triage Person: ph Date: 1/17/19 Login Person: AE Date: 1/17/19 Labeling Person: AE Date: 1/17/19

Client Notification/Resolution/Comments:

Person Contacted: _____ Date: _____

Comments/Resolution: pH to be checked at receiving facilityProject Manager Review: mm

NTMWD LABORATORY SUBCONTRACT ORDER

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

Client : City of Mesquite
 Address : 1101 East Main
 Locale : Mesquite, TEXAS 75149
 Client Contact: Jared Hogue
 jhogue@cityofmesquite.com

Workorder : 1903148
 Project : Lead and Copper Rule
 Project # : LCR Water Quality Parameters
 Lab Contact: Kelly Harden
 kharden@ntmwd.com

EM/R.C.

SENDING LABORATORY:

North Texas Municipal Water District
 201 E. Brown St.
 Wylie, TX 75098
 Phone: (972) 442-5405
 Fax: (972) 295-6427

RECEIVING LABORATORY:

Pace Analytical Services, Inc.
 400 West Bethany Drive
 Allen, TEXAS 75013-3714
 Phone : (972) 727-1123
 Fax: (972) 727-1175

Original Invoice To: Accounts Payable
 Copy Report To : Jared Hogue
 Copy Invoice To : Buford Green [bgreen@ntmwd.com]
 Mailing Address: North Texas Municipal Water District
 PO Box 2408
 Wylie, TEXAS 75098

Reception Comments:

Reagent I.D. (LIMS #)	Reagent Type	Affected Container I.D.s	Cooler I.D. (#)	Container I.D. (##@)	Observed Temp.	Corrected Temp.	(circle) On Ice	Infrared I.D. (#)
Preservation Check/Adjusted By: _____			1		°C	°C	Y N	
H2SO4			2		°C	°C	Y N	
HNO3			3		°C	°C	Y N	
NaOH			4		°C	°C	Y N	

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.

Sample ID: 1903148-01 (3535 Barnes Bridge)

Receiving Lab - Lab ID: 75101842-001

Type: Grab Matrix: Aqueous; (Water)

Comments:

Sampled: 2019-01-16 10:30

Jared Hogue - Production Supervisor

Analysis [Bid Code]**Expires****Comments**

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]

2019-07-15 10:30

Containers Supplied:

250mL HDPE Unpres (B)

WO#: 75101842

PM: MLM

Due Date: 01/31/19

CLIENT: NTMWD

Emily McIntire

NTMWD 1/17/19 8am

M. Hernandez

PACE

1/17/19 10:11

Released By

Affiliation

Date/Time

Received By

Affiliation

Date/Time

Released By

Affiliation

Date/Time

Received By

Affiliation

Date/Time

SCF-1 10/28/09

Page 1 of 2

Page 4 of 19

NTMWD LABORATORY SUBCONTRACT ORDER

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

Client : City of Mesquite
 Address : 1101 East Main
 Locale : Mesquite, TEXAS 75149
 Client Contact: Jared Hogue
 jhogue@cityofmesquite.com

Workorder : 1903148
 Project : Lead and Copper Rule
 Project # : LCR Water Quality Parameters
 Lab Contact: Kelly Harden
 kharden@ntmwd.com

Em/PC

Analytes and MAL requirements**Ca Total 200.7 (Sub-Contract PACE)**

Comment: LOQ=0.2 LCL=0.7 UCL=1.3

Calcium 0.20 mg/L

Fe Total 200.7 (Sub-Contract PACE)

Comment: LOQ=0.2 LCL=0.7 UCL=1.3

iron 0.20 mg/L

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

WO#: 75101842

PM: MLM

Due Date: 01/31/19

CLIENT: NTMWD

Emily McIntire

Released By

NTMWD

Affiliation

1/17/19 8am

Date/Time

Alyssa Emery / Pac

Received By

1/17/19 1613

Affiliation

Date/Time

Released By

Affiliation

Date/Time

Received By

Affiliation

Date/Time

SCF-1 10/28/09

Page 2 of 2

Page 5 of 19

North Texas Municipal Water District
Subcontract Manifest
C:36-290:R:1.1E:01/25/12

Printed: 1/17/2019 7:26 AM
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

Emily McIntire Emily McIntire 1-17-19 9:36
 Signature Printed Name Date/Time
 Chris Jones Chris Jones Pace 1-17-19 1613
 Signature Printed Name
 M. Hernandez (PACE) 1-17-19 1613
 Page 6 of 13

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY WATER QUALITY PARAMETER MONITORING FORM 20679																																									
Completed by PWS (or Agent)										Completed by Laboratory																															
PWS Name:										Laboratory Name:																															
PWS ID#:										TCEQ Lab ID #:																															
PWS Address:										Laboratory Address:																															
PWS Contact:																																									
PWS Contact Phone #:										Laboratory Contact:																															
Inhibitor or Stabilizer Used (✓):		Phosphate		Silica		Calcium carbonate			Laboratory Contact Phone #:																																
TREATMENT		Alkalinity Dosage Rate:		Inhibitor Dosage Rate:																																					
Sample Type (✓):					Sample Information					Parameters Requested: Analyses are required for the parameters these parameters should also be analyzed depending on which is in use.																															
Sample Collector (✓):					Compliance																																				
Temperature and pH (Y or N):					Non-compliance																																				
					Public Water System																																				
					Accredited Lab					3rd Party Contractor --> LAB ID																															
					Were 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		Hardness (1915)		Iron (1028)		Manganese (1032)		Sodium (1052)		Sulfate (1055)		TDS (1930)		O-Phosphate		Silica (1049)	
				1903148-01		Date (MMDDYY)		Time - 24 hr (HHMM)				pH		Temp (°C)																											

Chain of Custody

☐ Samples were sent directly to the Subcontracting Laboratory.

Cert. Needed: ☒ Yes

☐ No

Owner Received Date:

1/17/2019


Results Requested By: 1/31/2019

Workorder: 75101842

Workorder Name: 1903148/City of Mesquite

[illegible]

***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:	Document Revised:
	Sample Condition Upon Receipt Form	May 30, 2018
	Document No.: F-FL-C-007 rev. 13	Issuing Authority: Pace Florida Quality Office

WO# : 35443439**(CUR)**

Project #
Project Manager:
Client:

PM: BTS
CLIENT: PACDAL

Due Date: 01/29/19**Date and Initials of person:****Examining contents:****Label:** KBI**Deliver:****pH:**Thermometer Used: T337Date: 1/22/19Time: 1130Initials: JRA

State of Origin:

☐ For WV projects, all containers verified to $\leq 6^{\circ}\text{C}$ Cooler #1 Temp. °C 0.0 (Visual) +0.2 (Correction Factor) 0.8 (Actual)

Cooler #2 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (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 begunCourier: ☒ 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 ☐ UnknownTracking # 4713.1142.0182Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☐ No Ice: Wet Blue Dry NonePacking Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ None ☐ Other _____

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

Comments:

Chain of Custody Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>1/31/19</u>
Chain of Custody Filled Out	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Relinquished Signature & Sampler Name COC	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples Arrived within Hold Time	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Rush TAT requested on COC	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Sufficient Volume	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Correct Containers Used	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Sample Labels match COC (sample IDs & date/time of collection)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
All containers needing acid/base preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
All Containers needing preservation are found to be in compliance with EPA recommendation:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Exceptions: VOA, Coliform, TOC, O&G, Carbamates		
Headspace in VOA Vials? (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

Client Notification/ Resolution:

Person Contacted: _____

Date/Time: _____

Comments/ Resolution (use back for additional comments):

Project Manager Review: _____

Date: _____

January 31, 2019

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

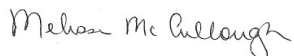
RE: Project: 1903148/City of Mesquite
Pace Project No.: 75101842

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,



Melissa McCullough

(972)727-1123
Project Manager

Enclosures

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



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

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

Enclosures



REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.

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

REPORT OF LABORATORY ANALYSIS

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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

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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

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ANALYTICAL RESULTS

Project: 75101842 1903148/City of Mesqu

Pace Project No.: 35443439

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

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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
Associated Lab Samples: 75101842001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	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: 2755118

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% 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	mg/L	12.5	12.3	99	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2755119 2755120

Parameter	Units	75101842001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max 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 SPIKE DUPLICATE: 2755121 2755122

Parameter	Units	75101873010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max 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.

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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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 75101842 1903148/City of Mesqu

Pace Project No.: 35443439

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

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