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Project
954700

COM4-A

City of Commerce/WastewaterPlt
Timothy Jones
1119 Alamo St.
Commerce, TX 75428-2601

Printed 02/24/2021 18:22

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COM4-A

City of Commerce/WastewaterPlt
 Timothy Jones
 1119 Alamo St.
 Commerce, TX 75428-2601

Project
954700

Printed: 02/24/2021

Results

Sample Results

1963717								Received:	02/23/2021	
Drinking Water	Collected by: A MOORE	City of Commerce/Was		PO:						
	Taken: 02/23/2021	08:30:00								
SM 4500-CI G-2011		Prepared:	02/23/2021	08:30:00	Analyzed	02/23/2021	08:30:00	Cli		
NELAC	Parameter	Results	Units	RL	Flags	CAS	Bottle			
	Chlorine Residual (Onsite/TC)	0.25	mg/L	0.1						
SM 9223 B (Colilert-18)-97		Prepared:	939028	02/24/2021	12:56:00	Analyzed	939028	02/24/2021	12:56:00	ZCS
NELAC	Parameter	Results	Units	RL	Flags	CAS	Bottle			
	Total Coliform Colilert 18	NEGATIVE	in 100 mL				01			
SM 9223 B (Colilert-18)-97		Prepared:	939029	02/24/2021	12:56:00	Analyzed	939029	02/24/2021	12:56:00	ZCS
NELAC	Parameter	Results	Units	RL	Flags	CAS	Bottle			
	E-coli Colilert-18	NEGATIVE	in 100 mL				01			

1963718								Received:	02/23/2021	
Drinking Water	Collected by: A MOORE	City of Commerce/Was		PO:						
	Taken: 02/23/2021	08:44:00								
SM 4500-CI G-2011		Prepared:	02/23/2021	08:44:00	Analyzed	02/23/2021	08:44:00	Cli		
NELAC	Parameter	Results	Units	RL	Flags	CAS	Bottle			
	Chlorine Residual (Onsite/TC)	0.28	mg/L	0.1						
SM 9223 B (Colilert-18)-97		Prepared:	939028	02/24/2021	12:56:00	Analyzed	939028	02/24/2021	12:56:00	ZCS
NELAC	Parameter	Results	Units	RL	Flags	CAS	Bottle			
	Total Coliform Colilert 18	NEGATIVE	in 100 mL				01			



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Printed: 02/24/2021

1963718

Received: 02/23/2021

Drinking Water Collected by: A MOORE City of Commerce/Was
 Taken: 02/23/2021 08:44:00

PO:

SM 9223 B (Colilert-18)-97 Prepared: 939029 02/24/2021 12:56:00 Analyzed 939029 02/24/2021 12:56:00 ZCS

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC E-coli Colilert-18	NEGATIVE	in 100 mL				01

1963719

Received: 02/23/2021

Drinking Water Collected by: A MOORE City of Commerce/Was
 Taken: 02/23/2021 08:52:00

PO:

SM 4500-CI G-2011 Prepared: 02/23/2021 08:52:00 Analyzed 02/23/2021 08:52:00 Cli

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Chlorine Residual (Onsite/TC)	0.9	mg/L	0.1			

SM 9223 B (Colilert-18)-97 Prepared: 939028 02/24/2021 12:56:00 Analyzed 939028 02/24/2021 12:56:00 ZCS

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Total Coliform Colilert 18	NEGATIVE	in 100 mL				01

SM 9223 B (Colilert-18)-97 Prepared: 939029 02/24/2021 12:56:00 Analyzed 939029 02/24/2021 12:56:00 ZCS

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC E-coli Colilert-18	NEGATIVE	in 100 mL				01

1963720

Received: 02/23/2021

Drinking Water Collected by: A MOORE City of Commerce/Was
 Taken: 02/23/2021 09:40:00

PO:

SM 4500-CI G-2011 Prepared: 02/23/2021 09:40:00 Analyzed 02/23/2021 09:40:00 Cli

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Chlorine Residual (Onsite/TC)	1.7	mg/L	0.1			



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NELAP-accredited #T104704201-20-17

COM4-A

City of Commerce/WastewaterPlt
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 Commerce, TX 75428-2601

Project
954700

Printed: 02/24/2021

1963720

Received: 02/23/2021

Drinking Water
 Collected by: A MOORE
 Taken: 02/23/2021
 City of Commerce/Was
 09:40:00

PO:

SM 9223 B (Colilert-18)-97 Prepared: 939028 02/24/2021 12:56:00 Analyzed 939028 02/24/2021 12:56:00 ZCS

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Total Coliform Colilert 18	NEGATIVE	in 100 mL				01

SM 9223 B (Colilert-18)-97 Prepared: 939029 02/24/2021 12:56:00 Analyzed 939029 02/24/2021 12:56:00 ZCS

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC E-coli Colilert-18	NEGATIVE	in 100 mL				01

1963721

Received: 02/23/2021

Drinking Water
 Collected by: A MOORE
 Taken: 02/23/2021
 City of Commerce/Was
 09:22:00

PO:

SM 4500-Cl G-2011 Prepared: 02/23/2021 09:22:00 Analyzed 02/23/2021 09:22:00 Cli

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Chlorine Residual (Onsite/TC)	0.57	mg/L	0.1			

SM 9223 B (Colilert-18)-97 Prepared: 939028 02/24/2021 12:56:00 Analyzed 939028 02/24/2021 12:56:00 ZCS

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Total Coliform Colilert 18	NEGATIVE	in 100 mL				01

SM 9223 B (Colilert-18)-97 Prepared: 939029 02/24/2021 12:56:00 Analyzed 939029 02/24/2021 12:56:00 ZCS

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC E-coli Colilert-18	NEGATIVE	in 100 mL				01

Sample Preparation



COM4-A

City of Commerce/WastewaterPlt
 Timothy Jones
 1119 Alamo St.
 Commerce, TX 75428-2601

Project
954700

Printed: 02/24/2021

1963717 [REDACTED]

Received: 02/23/2021

02/23/2021

Prepared: 02/23/2021 08:30:00 Analyzed 02/23/2021 08:30:00 Cli

z **Chlorine Residual Type** **FREE** **mg/L**
 Prepared: 02/23/2021 14:00:00 Analyzed 02/23/2021 14:00:00 ZCS

NELAC **Micro Lab Cl2 Check** **Negative**
 Prepared: 02/24/2021 17:26:26 Calculated 02/24/2021 17:26:26 CAL

z **Environmental Fee (per Project)** **Verified**
 SM 9223 B (Colilert-18)-97 Prepared: 939027 02/23/2021 16:55:00 Analyzed 939027 02/23/2021 16:55:00 ZCS

NELAC **TC / E.coli Set Started** **STARTED** 01

1963718 [REDACTED]

Received: 02/23/2021

02/23/2021

Prepared: 02/23/2021 08:44:00 Analyzed 02/23/2021 08:44:00 Cli

z **Chlorine Residual Type** **FREE** **mg/L**
 Prepared: 02/23/2021 14:00:00 Analyzed 02/23/2021 14:00:00 ZCS

NELAC **Micro Lab Cl2 Check** **Negative**
 SM 9223 B (Colilert-18)-97 Prepared: 939027 02/23/2021 16:55:00 Analyzed 939027 02/23/2021 16:55:00 ZCS

NELAC **TC / E.coli Set Started** **STARTED** 01



COM4-A

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Project
954700

Printed: 02/24/2021

1963719 [REDACTED]

Received: 02/23/2021

02/23/2021

Prepared: 02/23/2021 08:52:00 Analyzed 02/23/2021 08:52:00 Cli

z **Chlorine Residual Type** **FREE** **mg/L**
 Prepared: 02/23/2021 14:00:00 Analyzed 02/23/2021 14:00:00 ZCS

NELAC **Micro Lab Cl2 Check** **Negative**

SM 9223 B (Colilert-18)-97 Prepared: 939027 02/23/2021 16:55:00 Analyzed 939027 02/23/2021 16:55:00 ZCS

NELAC **TC / E.coli Set Started** **STARTED** 01

1963720 [REDACTED]

Received: 02/23/2021

02/23/2021

Prepared: 02/23/2021 09:40:00 Analyzed 02/23/2021 09:40:00 Cli

z **Chlorine Residual Type** **FREE** **mg/L**
 Prepared: 02/23/2021 14:00:00 Analyzed 02/23/2021 14:00:00 ZCS

NELAC **Micro Lab Cl2 Check** **Negative**

SM 9223 B (Colilert-18)-97 Prepared: 939027 02/23/2021 16:55:00 Analyzed 939027 02/23/2021 16:55:00 ZCS

NELAC **TC / E.coli Set Started** **STARTED** 01



COM4-A

City of Commerce/WastewaterPlt
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Printed: 02/24/2021

1963721

Received: 02/23/2021

02/23/2021

Prepared: 02/23/2021 09:22:00 Analyzed 02/23/2021 09:22:00 Cli

Chlorine Residual Type

FREE mg/L

Prepared: 02/23/2021 14:00:00 Analyzed 02/23/2021 14:00:00 ZCS

Micro Lab Cl2 Check

Negative

SM 9223 B (Colilert-18)-97

Prepared: 939027 02/23/2021 16:55:00 Analyzed 939027 02/23/2021 16:55:00 ZCS

TC / E.coli Set Started

STARTED

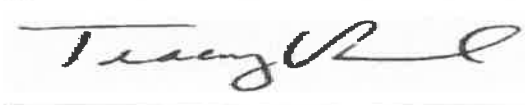
01

Qualifiers:

We report results on an As Received or wet basis unless marked Dry Weight. Unless otherwise noted, testing was performed at Ana-labs corporate laboratory that holds the following Federal and State certificates: EPA Lab Number TX00063, US Department of Agriculture Soil Import Permit P330-17-00117, Texas Commission on Environmental Quality Commercial Drinking Water Lab Approval (Lab ID: TX219), Texas Commission on Environmental Quality NELAP T104704201-20-17, Louisiana Department of Environmental Quality Laboratory Certification (NELAP, LELAP) #02008, Louisiana Department of Health and Hospitals Drinking Water (NELAP) Certificate No LA026, Oklahoma Department of Environmental Quality TNI Laboratory Accreditation Program Certificate No. 2018-126, Arkansas Department of Environmental Quality Certification #18-068-0. The Accredited column designates accreditation by N -- NELAC, or z -- not covered under NELAC scope of accreditation.

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of Ana-Lab Corp. Unless otherwise specified, these test results meet the requirements of NELAC.

RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.



Tracey W Varvel, MS, Quality Manager



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NELAP-accredited #T104704201-20-17

Quality Control

COM4-A

City of Commerce/WastewaterPlt
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Project
954700

Printed 02/24/2021

Analytical Set **939028**

SM 9223 B (Colilert-18)-97

Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
P. aeruginosa	939027	NEGATIVE	NEGATIVE	in 100 mL	-	-	122044362
Standard E. coli	939027	POSITIVE	POSITIVE	in 100 mL	-	-	122044364
Standard K. varicola	939027	POSITIVE	POSITIVE	in 100 mL	-	-	122044363

Analytical Set **939029**

SM 9223 B (Colilert-18)-97

Standard

<u>Parameter</u>	<u>Sample</u>	<u>Reading</u>	<u>Known</u>	<u>Units</u>	<u>Recover%</u>	<u>Limits%</u>	<u>File</u>
P. aeruginosa	939027	NEGATIVE	NEGATIVE	in 100 mL	-	-	122044507
Standard E. coli	939027	POSITIVE	POSITIVE	in 100 mL	-	-	122044509
Standard K. varicola	939027	NEGATIVE	NEGATIVE	in 100 mL	-	-	122044508

* Out RPD is Relative Percent Difference: $\text{abs}(r_1 - r_2) / \text{mean}(r_1, r_2) * 100\%$

Recover% is Recovery Percent: $\text{result} / \text{known} * 100\%$

