

JEFF BROWN
MAYOR



DONNA J. JONES
CITY CLERK /TREASURER

CITY OF DEQUEEN
(870) 584-3445

Attention: Yvette Wilkins

Attached is the City of De Queen corrective action report. We are acceptable for our Ammonia and Nitrates, but our Phosphate is not acceptable. We also did 3 quick response tests on our Phosphorus with no success. We have no clue why we are not passing these tests, but starting in November of 2022 we will no longer be doing our Phosphorus test in house. We are sending them to Arkansas Analytical to be tested. If you need more information, please give me a call at 870-582-3799.

Thank you,

Clint Young
Wastewater Superintendent



A Waters Company

Clint Young
City of DeQueen
PO Box 730
De Queen, AR 71832-0730
USA

WP-331  **Final Report**

The WatR logo is a circular emblem with a stylized water drop and a leaf-like shape inside, with a trademark symbol (TM) to its right.

WatR™ Pollution Proficiency Testing

WatR™ Pollution Study

Open Date: 08/15/2022

Close Date: 09/29/2022

Report Issued Date: 10/03/2022



A Waters Company

October 3, 2022

Clint Young
City of DeQueen
PO Box 730
De Queen, AR 71832-0730

Enclosed is your final report for ERA's WP-331 WatR™ Pollution Proficiency Testing (PT) study. Your final report includes an evaluation of all results submitted by your laboratory to ERA.

Data Evaluation Protocols: All analytes in ERA's WP-331 WatR™ Pollution Proficiency Testing study have been evaluated using the following tiered approach. If the analyte is listed in the most current TNI Fields of Proficiency Testing (FoPT) table the evaluation was completed by comparing the reported result to the acceptance limits generated using the criteria contained in the table and the evaluation criteria contained in the 2016 TNI Standard, Volume 3. If the analyte is not included in the TNI FoPT table, the reported result has been evaluated using the procedures outlined in ERA's Standard Operating Procedure for the Generation of Performance Acceptance Limits (SOP 730002268).

Corrective Action Help: As part of your accreditation(s), you may be required to identify the root cause of any "Not Acceptable" results, implement the necessary corrective actions, and then satisfy your PT requirements by participating in a Supplemental (QuiK™ Response) or future ERA PT study. ERA's technical staff is available to help your laboratory resolve any technical issues that may be impairing your PT performance and possibly affecting your routine data quality. Our laboratory and technical staff have many years of collective experience in performing the full range of environmental analyses. As part of our technical support, ERA offers QC samples that can be useful in helping you work through your technical issues.

Thank you for your participation in ERA's WP-331 WatR™ Pollution Proficiency Testing study. If you have any questions, please contact our Proficiency Testing Department at 1-800-372-0122.

Sincerely,

A handwritten signature in black ink, appearing to read "C. Huff", is written over a horizontal line.

Craig Huff
Senior Technical Manager

attachments





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| Report Recipient | Contact/Phone Number | Reporting Type |
|------------------|--|----------------|
| Arkansas | Jonathan Westmoreland / (501) 682-0941 | All Analytes |



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WP-331 Definitions & Study Discussion

Study Dates: 08/15/2022 - 09/29/2022

Report Issued: 10/03/2022

WP Study Definitions

The Reported Value is the value that the laboratory reported to ERA.

The ERA Assigned Values are compliant with the most current TNI Fields of Proficiency Testing (FoPT) table. A parameter not added to the standard is given an Assigned Value of "< PTRL" per the guidelines contained in the 2016 TNI Standard. The assigned values are directly traceable to the commercially prepared starting materials used to manufacture the PT standards.

The Acceptance Limits are established per the criteria contained in the most current TNI FoPT table or ERA's SOP for the Generation of Performance Acceptance Limits™ as applicable.

The Performance Evaluation:

- Acceptable = Reported Value falls within the Acceptance Limits.
- Not Acceptable = Reported Value falls outside the Acceptance Limits.
- No Evaluation = Reported Value cannot be evaluated.
- Not Reported = No Value reported.

The Method Description is the method the laboratory reported to ERA.

WP Study Discussion

ERA's WP-331 WatR™ Pollution Proficiency Testing study has been reviewed by ERA senior management and certified compliant with the requirements of the 2016 TNI Standard and the criteria contained in the most current TNI Fields of Proficiency Testing (FoPT) table.

ERA's WP-331 WatR™ Pollution study standards were examined for any anomalies. A full review of all homogeneity, stability and accuracy verification data was completed. All analytical verification data for all analytes met the acceptance criteria contained in the 2016 TNI Standard and the criteria contained in the most current TNI FoPT table.

All activities associated with this proficiency testing study were performed by Waters/ERA with the exception of those noted below. The following physical samples/products were manufactured for Waters/ERA by a subcontractor:

Microbiology products with the following catalog numbers:
880, 935, 079, 077, 080, 595, 595A, 576, 576A

The data submitted by participating laboratories was also examined for study anomalies. There were no anomalies observed during the statistical review of the data.

ERA's WP-331 WatR™ Pollution study reports shall not be reproduced except in their entirety and not without the permission of the participating laboratories. The report must not be used by the participating laboratories to claim product endorsement by any agency of the U. S. government.

The data contained herein are confidential and intended for your use only.

If you have any questions or concerns regarding your assessment in ERA's WatR™ Pollution Proficiency Testing program, please contact our Proficiency Testing Department at 1-800-372-0122.





A Waters Company

WP-331 Laboratory Exception Report

Client Young
Sewer Superintendent
City of DeQueen
PO Box 730
De Queen, AR 71832-0730
870-642-5231

EPA ID: AR00928
ERA Customer Number: C471801
Report Issued: 10/03/2022
Study Dates: 08/15/2022 - 09/29/2022

Not Acceptable Evaluations

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|--|----------------------|-------|----------------|----------------|-------------------|------------------------|------------------------|
| WP Simple Nutrients (cat# 584, lot# P331-505) | | | | | | | |
| 1870 | ortho-Phosphate as P | mg/L | 5.77 | 3.06 | 2.60 - 3.52 | Not Acceptable | HACH 10209 5th ED 2008 |



All analytes except for 1,1-Biphenyl, 1,2-Diphenylhydrazine, 1,3-Dinitrobenzene, 2,3-Dichloroaniline, Acetophenone, Atrazine, Azobenzene, Benzaldehyde, Caprolactam, n-Decane and n-Octadecane in the Base/Neutrals, catalog # 833, are included in ERA's AZLA accreditation. Lab Code 1539.01.

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Study # : WP-331



Final Report Results For Laboratory City of DeQueen



All analytes except for 1,1-Biphenyl, 1,2-Diphenylhydrazine, 1,3-Dinitrobenzene, 2,3-Dichloroaniline, Acetophenone, Atrazine, Azobenzene, Benzaldehyde, Caprolactam, n-Decane and n-Octadecane in the Base/Neutrals, catalog # 833, are included in ERA's A2LA accreditation. Lab Code 1539.01.

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Study # : WP-331



A Waters Company

Final Evaluation Report

Study: **WP-331**

ERA Customer Number: **C471801**

Laboratory Name: **City of DeQueen**

Inorganic Results



All analytes except for 1,1-Biphenyl, 1,2-Diphenylhydrazine, 1,3-Dinitrobenzene, 2,3-Dichloroaniline, Acetophenone, Atrazine, Azobenzene, Benzaldehyde, Caprolactam, n-Decane and n-Octadecane in the Base/Neutrals, catalog # 833, are included in ERA's A2LA accreditation. Lab Code 1539.01.

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Study # : WP-331



A Waters Company

Clint Young
Sewer Superintendent
City of DeQueen
PO Box 730
De Queen, AR 71832-0730
870-642-5231

EPA ID: AR00928
ERA Customer Number: C471801
Report Issued: 10/03/2022
Study Dates: 08/15/2022 - 09/29/2022

WP-331 Final Evaluation Report

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|--|------------------------|-------|----------------|----------------|-------------------|------------------------|------------------------|---------------|---------|------------|--------------------------|--------------|
| WP Simple Nutrients (cat# 584, lot# P331-505) | | | | | | | | | | | | |
| 1515 | Ammonia as N | mg/L | 17.4 | 16.4 | 13.2 - 19.5 | Acceptable | HACH 10205 5th ED 2008 | 9/14/2022 | 0.470 | 16.6 | 1.70 | |
| 1820 | Nitrate + Nitrite as N | mg/L | | 21.0 | 17.6 - 24.2 | Not Reported | | | | 20.9 | 1.36 | |
| 1810 | Nitrate as N | mg/L | 21.2 | 21.0 | 17.6 - 24.3 | Acceptable | HACH 10205 6th ED 2011 | 9/14/2022 | 0.254 | 20.9 | 1.29 | |
| 1870 | ortho-Phosphate as P | mg/L | 5.77 | 3.06 | 2.60 - 3.52 | Not Acceptable | HACH 10209 5th ED 2008 | 9/14/2022 | 14.8 | 3.12 | 0.179 | |
| 1827 | Total Nitrogen | mg/L | | 37.4 | 21.4 - 53.4 | Not Reported | | | | 34.8 | 5.97 | |



All analytes except for 1,1-Biphenyl, 1,2-Diphenylhydrazine, 1,3-Dinitrobenzene, 2,3-Dichloroaniline, Acetophenone, Atrazine, Azobenzene, Benzaldehyde, Caprolactam, n-Decane and n-Octadecane in the Base/Neutrals, catalog # 833, are included in ERA's A2LA accreditation. Lab Code 1539.01.

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