

March 8, 2023

Arkansas Department of Environmental Quality
Attn. Enforcement Section
5301 Northshore Drive
North Little Rock, AR 72118-5317

Re: NPDES Permit No: AR0034002

AFIN 63-00065

City of Bryant Wastewater
1019 S.W. 2nd St.
Bryant, AR 72022

The City of Bryant Wastewater Treatment Facility, is in compliance with the permit limit for Total Residual Chlorine.

If you have any questions regarding this matter, please contact me at 501 943 0469.

Gregg Asher
City of Bryant
Wastewater Treatment Manager

Chlorine

Standard Methods 4500-Cl G2000

Collection

Date/Time 2/21/2023 11:00

Analyst GAA

Flow gpm 2600

DPD Reagent Time

1101

Calibration

Maintenance

Time 1104

Analysis

Time 1105

Chlorine Residual mg/l
<0.01

CWA - Non-Potable Water
FINAL Performance Evaluation Report
NSI Laboratory Proficiency Testing Program
Study DMRQA-42 - Shipped: 04/15/2022 - Closed: 07/15/2022 - Reports Printed On: 07/23/2022
Participant USEPA Labcode: AR00978

Study Designed and Coordinated by:
NSI Lab Solutions
7212 ACC Blvd., Raleigh, NC 27617
ANAB Certificate#: AP-1693-1
1-800-234-7837

This evaluation report is being submitted to:

City of Bryant
Attention: Gregg Asher
1019 SW 2nd ST
Bryant, AR, 72022

LabCode and Accreditation Information:

Send Results to: State Only
EPA Lab Code: AR00978
State Lab Code: ARKANSAS (AR)
Primary Agency: AR -- Arkansas DEQPenny Semberski
5301 Northshore Drive
North Little Rock, AR 72118-5317
Reports to: AR

Participant Information

NSI Lab Code: N05774
Permittee Code: AR0034002

This report was submitted by Gregg Asher, Manager
City of Bryant
1019 SW 2nd ST
Bryant, AR, 72022

Please contact Mark Hammersla at NSI Lab Solutions if you have any questions about this report.
(800) 234-7837 - mark.hammersla@nsilabsolutions.com

This PT report may contain data not covered under ANAB Accreditation. Such data is noted by an asterisk.

PEI-033 Total Residual Chlorine - City of Bryant - NSI Lab Solutions/DMRQA-42

TNI	Analyte	TNI	Method	Reported	Study	Assigned		Standard	EPA ₁	Acceptance		Analysis	Analyst's
Analyte		Method Code	Description	Value	Mean	Value	Units	Deviation	Code ₁	Limits	Evaluation	Date	Name
1940	Total Residual Chlorine	n/a	SM4500CLG200	1.81	1.84	2.06	mg/L	0.288	AR00978	1.52 to 2.41	ACCEPT.	7/8/22	Gregg Asher
1945	Residual Free Chlorine	-- Not Reported --											

PEI-035 pH - City of Bryant - NSI Lab Solutions/DMRQA-42

TNI	Analyte	TNI	Method	Reported	Study	Assigned		Standard	EPA ₁	Acceptance		Analysis	Analyst's
Analyte		Method Code	Description	Value	Mean	Value	Units	Deviation	Code ₁	Limits	Evaluation	Date	Name
1900	pH	n/a	SM4500H+B200	6.04	5.96	5.93	units	0.272	AR00978	5.73 to 6.13	ACCEPT.	7/8/22	Gregg Asher

Assigned Values

All assigned values are established in a manner compliant with the current TNI FOT for Non-Potable Water. With the exception of TDS and Specific Conductance assigned values are equal to the analytically verified gravimetric true value of the PT sample. For TDS and Specific Conductance, the assigned value is set at the robust study mean.

Accuracy/Traceability/Uncertainty

All assigned values are analytically verified for formulation accuracy prior to shipment. A total of 10 randomly chosen samples are taken from the production run and analyzed against NIST SRMs or CRMs. Traceability to SI is established through microbalance calibration with NIST traceable test masses. The expanded uncertainty at 95% CI with K=2 of each assigned value is available upon request and is typically <0.50%.

Batch Homogeneity

Each individual PT sample batch is thoroughly mixed in production and guaranteed to be homogeneous. Homogeneity is verified analytically according to in-house SOP.

Stability

Each analyte has been verified stable through the end of the PT study by either long term monitoring or study closing stability testing.

Acceptance Limits

Acceptance limits are set according to current TNI limits. Where no limits are set by TNI, limits are set to ± 3 standard deviations around the study mean after outlier correction.

Accredited Analytes

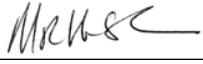
All analytes are included under our ISO 17043/TNI scope of accreditation (Certificate #: AP-1693-1) unless otherwise noted with an asterisk (*).

PT Study Summary

To view a summary of the PT study results, please see Study Summary Report available in our PT Datalink at www.nsilabsolutions.com.

* The study mean and standard deviation are presented after outlier correction and are based upon pooled reported results without consideration for analytical technology.

1 If present, the EPA Code of the lab that actually performed the analysis for this analyte.

Reviewed/Approved By: 
Mark Hammersla, President

Date: 07/23/2022

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Should you disagree with any element of this PT report, please submit your complaint to nsi@nsilabsolutions.com. Include the study number, your contact information, NSI Labcode, and the nature of your disagreement. An NSI Lab Solutions representative will contact you within 48 hours.