

USEPA DMR-QA 44

NPDES PERMITTEE DATA REPORT FORM



ERA

A Waters Company

Due October 25, 2024

USEPA NPDES IN0056839

Permit #:

Permit Ext:

Permittee Name: South Central Junior-Senior High School

Facility Address: 1829 E Spring St

Suite 106

City: New Albany

State: IN

Postal Code: 47150

Phone Number: 502-379-2358

Fax Number:

E-mail address: jamburncc@yahoo.com

Optional: If WP study was used, list PT provider name:

Optional: WP study number(s):

For DMRQA-44, conducted in 2024, the Permittee ensured that their laboratory(s) performing the required analyses:

Received PT Samples

Yes No

Submitted Complete and Accurate Data by August 30, 2024

Yes No

Received a Graded Report by September 27, 2024

Yes No

Each reported value was produced from a single analytical run using the analytical system that routinely performs these analyses to produce compliance monitoring data under our NPDES permit.

Yes No

Neither I nor any of my subordinates compared our results with results from independent analyses conducted by us or any other laboratory before we reported our results to U.S. EPA.

Yes No

Certification by Permit Holder or Authorized Representative

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name of Certifying Official: J. Michael Amburn

Title: Laboratory Manager

Signature: *J. Michael Amburn*

Date Signed: 10/24/24

Mailing Address: 1829 E Spring St

(enter only if different from address above)

Suite 106

City: New Albany

State: IN

Postal Code: 47150

Phone Number: 502-379-2358

E-mail address: jamburncc@yahoo.com

ENVIRONMENTAL PROTECTION AGENCY

Laboratory Performance Evaluation
Laboratory DMR-QA Evaluation Study 44

USEPA NPDES Permit #: IN0056839

Permit Ext:

Identification of all CHEM, MICRO and TOX laboratories who did analyses for this permit							
Name of Laboratory	Address of Laboratory	U.S. EPA Lab Code	Lab Analysis			Lab Type*	State-certified Lab**
			Check box(es) that apply				
			CHEM	MICRO	TOX		
Aqua Utility Services	1829 East Spring Street Suite 106 New Albany, IN 47150	IN01094	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	O	<input type="checkbox"/>

* Lab Types: C = Commercial F = Federal G = Local Government I = Industrial O = Other S = State

** See Footnote 2 on DMRQA-44, Frequently Asked Questions page

Permittee Name: South Central Junior-Senior High School

Permit Number: IN0056839

EPA Lab Code: IN01094

Chemistry/Microbiology Analyte Checklist DMRQA Study 44

Analyte Test / Method	Test Required	Laboratory's Graded Result		Analyte determined by state-certified lab
		Acceptable	Not Acceptable (Corrective Action Required)	
Minerals Alkalinity as CaCO3 Chloride Conductivity at 25°C Fluoride Potassium Sodium Sulfate Total Dissolved Solids at 180°C Total Solids at 105°C				
Hardness Total Suspended Solids Calcium Magnesium Calcium Hardness as CaCO3 Total Hardness as CaCO3				
pH pH SM 4500-H+ B-2011	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Settleable Solids Settleable Solids				
Solids Concentrate Total Suspended Solids Total Dissolved Solids at 180°C Total Solids at 105°C				
Solids Total Suspended Solids SM 2540 D-2011 Total Dissolved Solids at 180°C Total Solids at 105°C	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Simple Nutrients Ammonia as N HACH 10205 Nitrate + Nitrite as N Nitrate as N ortho-Phosphate as P Total Nitrogen	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Complex Nutrients Total Kjeldahl Nitrogen Total phosphorus as P				
Nitrite Nitrite as N				

Permittee Name: South Central Junior-Senior High School

Permit Number: IN0056839

EPA Lab Code: IN01094

Chemistry/Microbiology Analyte Checklist

DMRQA Study 44

Analyte Test / Method	Test Required	Laboratory's Graded Result		Analyte determined by state-certified lab
		Acceptable	Not Acceptable (Corrective Action Required)	
Demand BOD CBOD SM 5210 B-2011 COD TOC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Oil & Grease Concentrate n-Hexane Extractable Material(O&G) (Grav)				
Oil & Grease n-Hexane Extractable Material(O&G) (Grav) n-Hexane Extractable Material(O&G) (IR)				
Trace Metals Aluminum Antimony Arsenic Barium Beryllium Boron Cadmium Chromium Cobalt Copper Iron Lead Manganese Molybdenum Nickel Selenium Silver Strontium Thallium Vanadium Zinc				
Mercury Mercury				
Low-Level Mercury Low Level Mercury				
Hexavalent Chromium Hexavalent Chromium				
Turbidity Turbidity				

Permittee Name: South Central Junior-Senior High School

Permit Number: IN0056839

EPA Lab Code: IN01094

Chemistry/Microbiology Analyte Checklist

DMRQA Study 44

Analyte Test / Method	Test Required	Laboratory's Graded Result		Analyte determined by state-certified lab
		Acceptable	Not Acceptable (Corrective Action Required)	
Total Cyanide Cyanide, total Amenable Cyanide Available Cyanide				
Total Phenolics (4-AAP) Phenolics, total				
Total Residual Chlorine Free Residual Chlorine Total Residual Chlorine SM 4500-Cl G-2000	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Low-Level Total Residual Chlorine Low Level Total Residual Chlorine				
WasteWatR™ Coliform MicrobE™ Total Coliforms (MF) Fecal Coliforms (MF) E.coli (MF) Total Coliform (MPN-Multiple Well) Fecal Coliform (MPN-Multiple Well) E.coli (MPN-Multiple Well) SM 9223 B (Colilert)-2004	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
WasteWatR™ Coliform MicrobE™ - SM 9221 Total Coliform (MPN-Multiple Tube) Fecal Coliform (MPN-Multiple Tube) E.coli (MPN-Multiple Tube)				

J. Michael Amburn
Print Name

10-24-24
Date

J. Michael Amburn / Laboratory Manager
Signature/Title

Use a separate checklist for EACH lab used



A Waters Company

J. Michael Amburn
South Central Junior-Senior High School
1829 E Spring St
Suite 106
New Albany, IN 47150
USA

DMR-QA 44



Final Report

DMR-QA Proficiency Testing

NPDES Permit: IN0056839

DMR-QA Study

Open Date: 05/17/2024

Close Date: 08/30/2024

Report Issued Date: 09/27/2024



A Waters Company

September 27, 2024

J. Michael Amburn
South Central Junior-Senior High School
1829 E Spring St
Suite 106
New Albany, IN 47150

Enclosed is your final report for ERA's DMR-QA 44 Proficiency Testing study. Please note that reports were sent on your behalf to your state or regional DMR-QA coordinator. As the permit holder, you are required to review and sign the attached EPA forms and checklists and forward them to your DMR-QA coordinator by October 25, 2024. Your coordinator's contact information is provided below.

All analytes in ERA's DMR-QA 44 Proficiency Testing study have been evaluated by comparing the reported result to the acceptance limits generated using the criteria contained in the most current TNI Non-Potable Water and Whole Effluent Toxicity Testing-Non Potable Water Fields of Proficiency Testing (FoPT) tables.

If you have any "Not Acceptable" evaluations for the DMR-QA 44 study, a letter of corrective action and an order form for the required remedial samples are attached for your convenience. If you have a "Not Acceptable" evaluation, but there is not an order form or a list of standards for your in-house or outside laboratories, ERA recommends that you contact your DMR-QA coordinator for their corrective action requirements, if any.

Thank you for your participation in ERA's DMR-QA 44 Proficiency Testing study. If you have any questions, please contact the Proficiency Testing Department at 1-800-372-0122 or interlabgroup@eraqc.com.

Your DMR-QA coordinator is:

Indiana DEM/OWQ
Maggie Kroeger
100 North Senate Avenue
MC 65-42, IGCN N1255
Indianapolis, IN 46204-2251
Phone: 219-246-6148
DMRQA@idem.in.gov

Sincerely,

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

Craig Huff
Senior Technical Manager

attachments





DMR-QA 44 Definitions & Study Discussion

Study Dates: 05/17/2024 - 08/30/2024

Report Issued: 09/27/2024

DMRQA 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.

DMRQA Study Discussion

ERA's DMR-QA 44 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 DMR-QA 44 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 analytes are included in ERA's A2LA accreditation, certification number 1539.01.

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 DMR-QA 44 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 DMRQA Proficiency Testing program, please contact our Proficiency Testing Department at 1-800-372-0122 or interlabgroup@eraqc.com.



Study: **DMR-QA 44**
NPDES Permit #: **IN0056839**
Laboratory Name: **South Central Junior-Senior High School**

Inorganic Results





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DMR-QA 44 Final Report

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 Laboratory Manager
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 1829 E Spring St
 Suite 106
 New Albany, IN 47150
 502-379-2358

ERA Customer Number:
 Report Issued:
 Study Dates:

S804445
 09/27/2024
 05/17/2024 - 08/30/2024

TNI Analyte Code	Analyte	Units	Performance Evaluation	Reported Value	Assigned Value	Acceptance Limits	Method Description	Study Mean	Study Standard Deviation	USEPA Lab Code	Study
DMRQA pH (cat# 577, lot# Q044-977)											
1900	pH	S.U.	Acceptable	6.45	6.49	6.29 - 6.69	SM 4500-H+ B-2011 2011	6.52	0.0593	IN01094	DMRQA44
DMRQA Solids (cat# 241, lot# Q044-499)											
1960	Total Suspended Solids	mg/L	Acceptable	49.0	49.3	38.2 - 56.5	SM 2540 D-2011 2011	48.5	3.11	IN01094	DMRQA44
DMRQA Simple Nutrients (cat# 584, lot# Q044-505)											
1515	Ammonia as N	mg/L	Acceptable	17.5	17.4	14.0 - 20.6	HACH 10205 5th ED 2008	17.6	1.26	IN01094	DMRQA44
DMRQA Demand (cat# 578, lot# Q044-516)											
1555	CBOD	mg/L	Acceptable	40.0	29.1	12.1 - 46.2	SM 5210 B-2011 2011	31.4	8.00	IN01094	DMRQA44
DMRQA Total Residual Chlorine (cat# 587, lot# Q044-501)											
1940	Total Residual Chlorine	mg/L	Acceptable	2.07	2.18	1.60 - 2.55	SM 4500-Cl G-2000 2000	2.02	0.161	IN01094	DMRQA44





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Study: **DMR-QA 44**

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Microbiology Results





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DMR-QA 44 Final Report

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ERA Customer Number: S804445
 Report Issued: 09/27/2024
 Study Dates: 05/17/2024 - 08/30/2024

TNI Analyte Code	Analyte	Units	Performance Evaluation	Reported Value	Assigned Value	Acceptance Limits	Method Description	Study Mean	Study Standard Deviation	USEPA Lab Code	Study
<i>DMRQA WasteWatR™ Coliform MicrobE™ (cat# 576, lot# Q044-083)</i>											
2525	E.coli(MPN-Multiple Well)	MPN/100mL	Acceptable	209.8	190	94.4 - 383	SM 8223 B (Collet)-2004-2004	190	48.1	IN01094	DMRQA44

