

USEPA DMR-QA 44

NPDES PERMITTEE DATA REPORT FORM



Due October 25, 2024

USEPANPDES IN0031119

Permit #:

Permit Ext:

Permittee Name: Shorewood Forest

Facility Address: 425 Utility Dr

City: Valparaiso

State: IN

Postal Code: 46385

Phone Number:

Fax Number:

E-mail address: bgertzen@utilityservicescorp.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: Bob Gertzen

Title:

Authorized Representative

Signature:

Bob Gertzen

Date Signed:

10 / 19 / 2024

Mailing Address: 425 Utility Dr

(enter only if different from address above)

10525 US-30, Bldg. 12

City: Valparaiso

State: IN

Postal Code: 46385

Phone Number:

E-mail address: bgertzen@utilityservicescorp.com

Please make corrections in boxes above

United States
ENVIRONMENTAL PROTECTION AGENCY
Laboratory Performance Evaluation
Laboratory DMR-QA Evaluation Study 44
USEPA NPDES Permit #: IN0031119 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		
Utility Services	10525 US-30 Bldg. 12 Wanatah, IN 46390	IN01090	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<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: Shorewood Forest

Permit Number: IN0031119

EPA Lab Code: IN01090

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 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"/>
Solids Total Suspended Solids Total Dissolved Solids at 180°C Total Solids at 105°C				
Simple Nutrients Ammonia as N SM 4500-NH3 F-2011 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 SM 4500-P E-2011	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nitrite Nitrite as N				

Permittee Name: Shorewood Forest

Permit Number: IN0031119

EPA Lab Code: IN01090

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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COD				
SM 5220 D-2011	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TOC				
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				

Permittee Name: Shorewood Forest

Permit Number: IN0031119

EPA Lab Code: IN01090

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)	
<u>Turbidity</u>				
Turbidity				
<u>Total Cyanide</u>				
Cyanide, total				
Amenable Cyanide				
Available Cyanide				
<u>Total Phenolics (4-AAP)</u>				
Phenolics, total				
<u>Total Residual Chlorine</u>				
Free Residual Chlorine				
Total Residual Chlorine				
SM 4500-CL I-2000	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Low-Level Total Residual Chlorine</u>				
LowLevel Total Residual Chlorine				
<u>WasteWatR™ Coliform MicrobE™</u>				
Total Coliforms (MF)				
Fecal Coliforms (MF)				
E.coli (MF)				
Total Coliform (MPN-Multiple Well)				
SM 9223 B (Colilert Quanti-Tray)-2004	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fecal Coliform (MPN-Multiple Well)				
E.coli (MPN-Multiple Well)				
SM 9223 B (Colilert Quanti-Tray)-2004	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>WasteWatR™ Coliform MicrobE™ - SM 9221</u>				
Total Coliform (MPN-Multiple Tube)				
Fecal Coliform (MPN-Multiple Tube)				
E.coli (MPN-Multiple Tube)				

Bob Gertzen, Utility Services

Print Name

Bob Gertzen Authorized Representative
Signature Title

10/19/2024

Date

Use a separate checklist for EACH lab used



A Waters Company

Bob Gertzen
Shorewood Forest
425 Utility Dr
Valparaiso, IN 46385
USA

DMR-QA 44  **Final Report**

DMR-QA Proficiency Testing

NPDES Permit: IN0031119

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

Bob Gertzen
Shorewood Forest
425 Utility Dr
Valparaiso, IN 46385

Enclosed is your final report for ERA's DMR-QA44 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-QA44 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-QA44 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", with a horizontal line extending to the right.

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 #: **IN0031119**
Laboratory Name: **Shorewood Forest**

Inorganic Results



DMR-QA 44 Final Report



A Waters Company

NPDES Permit #: IN0031119
 Permit Holder: Bob Gertzen
 Shorewood Forest
 425 Utility Dr
 Valparaiso, IN 46385

ERA Customer Number: S051233
 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 pH (cat# 577, lot# Q044-977)</i>											
1900	pH	S.U.	Acceptable	6.52	6.49	6.29 - 6.69	SM 4500-H+ B-2011 2011	6.52	0.0593	IN01090	DMRQA44
<i>DMRQA Solids Concentrate (cat# 4030, lot# Q044-4032)</i>											
1960	Total Suspended Solids	mg/L	Acceptable	91	92.9	76.6 - 103	SM 2540 D-2011 2011	89.1	3.83	IN01090	DMRQA44
<i>DMRQA Simple Nutrients (cat# 584, lot# Q044-505)</i>											
1515	Ammonia as N	mg/L	Acceptable	20.4	17.4	14.0 - 20.6	SM 4500-NH3 F-2011 2011	17.6	1.26	IN01090	DMRQA44
<i>DMRQA Complex Nutrients (cat# 579, lot# Q044-525)</i>											
1910	Total phosphorus as P	mg/L	Acceptable	8.66	8.67	7.23 - 10.0	SM 4500-P E-2011 2011	8.55	0.429	IN01090	DMRQA44
<i>DMRQA Demand (cat# 578, lot# Q044-516)</i>											
1555	CBOD	mg/L	Acceptable	19.97	29.1	12.1 - 46.2	SM 5210 B-2011 2011	31.4	8.00	IN01090	DMRQA44
1565	COD	mg/L	Acceptable	51	51.5	34.6 - 66.1	SM 5220 D-2011 2011	52.2	7.32	IN01090	DMRQA44
<i>DMRQA Total Residual Chlorine (cat# 587, lot# Q044-501)</i>											
1940	Total Residual Chlorine	mg/L	Acceptable	2.12	2.18	1.60 - 2.55	SM 4500-CL I-2000 2000	2.02	0.161	IN01090	DMRQA44





Study: **DMR-QA 44**
NPDES Permit #: **IN0031119**
Laboratory Name: **Shorewood Forest**

Microbiology Results



DMR-QA 44 Final Report



A Waters Company

NPDES Permit #: IN0031119
 Permit Holder: Bob Gertzen
 Shorewood Forest
 425 Utility Dr
 Valparaiso, IN 46385

ERA Customer Number: S051233
 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>											
2500	Total Coliform (MPN-Multiple Well)	MPN/100mL	Acceptable	201.4	181	83.7 - 392	SM 9223 B (Coliort Quanti-Tray)-2004 2004	181	51.4	IN01090	DMRQA44
2525	E.coli (MPN-Multiple Well)	MPN/100mL	Acceptable	201.4	190	94.4 - 383	SM 9223 B (Coliort Quanti-Tray)-2004 2004	190	48.1	IN01090	DMRQA44





10525 US-30, Bldg. 12
Wanatah, IN 46390
Ph: (219) 759-0193
www.utilityservicescorp.com

March 26, 2025

Maggie Kroeger
Wastewater Facilities Inspector/
DMR-QA Coordinator
Office of Water Quality, IDEM

RE: Letter of Corrective Action, DMRQA-44

NPDES Permit Number: Several, see attached list

The intent of this letter is to inform you of the corrective action taken by Utility Services Laboratory (EPA ID IN01090) for field pH and chlorine DMRQA-44 testing, where operators Derek Gertzen, Bill England, Matt Brown, Greg Warry, Ken Oviatt, Kent Morphis, and Eric Schane performed a quick turn study. Results of ERA QuiK Response Proficiency Testing Project # 020725A are attached.

A handwritten signature in black ink that reads "Elizabeth Lock".

Elizabeth Lock
Lab Manager, Utility Services



A Waters Company

Elizabeth Lock
Utility Services
10525 US-30
Bldg. 12
Wanatah, IN 46390
USA

071125N



Final Report

QuiKTM Response Proficiency Testing



A Waters Company

August 6, 2025

Elizabeth Lock
Utility Services
10525 US-30
Bldg. 12
Wanatah, IN 46390

Enclosed is your final report for ERA's QuiK™ Response program. Your final report includes an evaluation of all results submitted by your laboratory to ERA. The assigned value(s) and acceptance limits were not available to your laboratory at or before the time of reporting.

All analytes in ERA's QuiK™ Response program are evaluated using the following tiered approach. If the analyte is listed in the most current TNI Fields of Proficiency Testing (FoPT) tables the evaluation was completed by comparing the reported result to the acceptance limits generated using the criteria contained in the tables and the evaluation criteria contained in the 2016 TNI Standard, Volume 3. If the analyte is not included in the TNI FoPT tables, 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). All analytes are included in ERA's A2LA accreditation, certification number 1539.01.

The Study Dates listed for each standard in the report are the project ship date (open date) and the date the data was submitted for evaluation (close date). Please note there may be different close dates for different standards within a project.

All activities associated with this QuiK™ Response project were performed by Waters/ERA with the exception of these samples/products which were manufactured for Waters/ERA by a subcontractor: Microbiology products with the following catalog numbers; 081, 084, 085, 078, 078A, 083, 083A and Volatiles in Gas Cylinder, catalog number 1100.

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 the quality of your routine data.

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

If you are using this report for DMRQA Corrective Action, please note the following: permittees must submit a copy of this report to your DMR-QA Coordinator, along with your corrective action documentation. Contract Laboratories should send a copy of this report to your permittees upon receipt.

Thank you for your participation in ERA's QuiK™ Response program. 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 "Emily Devers".

Emily Devers
Quality Assurance Manager

cc: Project File Number 071125N





A Waters Company

Report Recipient	Contact/Phone Number	Reporting Type
No Recipients Selected		



A Waters Company

071125N Laboratory Exception Report

Elizabeth Lock
Lab Manager
Utility Services
10525 US-30
Bldg. 12
Wanatah, IN 46390
(219) 759-0193

EPA ID: IN01090
ERA Customer Number: U776014

Not Acceptable Evaluations

TNI Analyte Code	Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description
<i>WP Low-Level Total Residual Chlorine (cat# 917, lot# 071125N) - 1 Study Dates: 07/11/25 - 08/06/25</i>							
1940	LowLevel Total Residual Chlorine	µg/L	310	79.0	19.0 - 139	Not Acceptable	SM 4500-Cl-G-2011 2011
<i>WP Low-Level Total Residual Chlorine (cat# 917, lot# 071125N) - 4 Study Dates: 07/11/25 - 08/06/25</i>							
1940	LowLevel Total Residual Chlorine	µg/L	470	131	71.0 - 191	Not Acceptable	SM 4500-Cl-G-2011 2011
<i>WP Low-Level Total Residual Chlorine (cat# 917, lot# 071125N) - 6 Study Dates: 07/11/25 - 08/06/25</i>							
1940	LowLevel Total Residual Chlorine	µg/L	620	180	120 - 240	Not Acceptable	SM 4500-Cl-G-2011 2011



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.





Final Report Results For Laboratory Utility Services



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.

16341 Table Mountain Pkwy • Golden, CO 80403 • 800.372.0122 • 303.431.8454 • fax 303.421.0159 • www.eraqc.com



Project # : 071125N



Final Evaluation Report

Project Number: **071125N**

ERA Customer Number: **U776014**

Laboratory Name: **Utility Services**

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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Project # : 071125N



071125N Final Evaluation Report

A Waters Company

Elizabeth Lock
Lab Manager
Utility Services
10525 U S-30
Bldg. 12
Wanatah, IN 46390
(219) 759-0193

EPA ID:
ERA Customer Number:

IN01090
U776014

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 pH (cat# 977, lot# 071125N) - 11 Study Dates: 07/11/2025 - 08/06/2025												
1900	pH	S.U.	6.7	6.60	6.40 - 6.80	Acceptable	SM 4500-H+B-2011 2011	7/24/2025	2.12	6.61	0.0439	Bill England
WP pH (cat# 977, lot# 071125N) - 12 Study Dates: 07/11/2025 - 08/06/2025												
1900	pH	S.U.	8.4	8.43	8.23 - 8.63	Acceptable	SM 4500-H+B-2011 2011	7/24/2025	-0.224	8.42	0.0817	Ken Oviatt
WP pH (cat# 977, lot# 071125N) - 13 Study Dates: 07/11/2025 - 08/06/2025												
1900	pH	S.U.	6.85	6.96	6.76 - 7.16	Acceptable	SM 4500-H+B-2011 2011	7/24/2025	-2.52	6.97	0.0471	Matt Garlach
WP pH (cat# 977, lot# 071125N) - 14 Study Dates: 07/11/2025 - 08/06/2025												
1900	pH	S.U.	8.7	8.70	8.50 - 8.90	Acceptable	SM 4500-H+B-2011 2011	7/24/2025	0.246	8.67	0.104	Kent Morphis
WP pH (cat# 977, lot# 071125N) - 15 Study Dates: 07/11/2025 - 08/06/2025												
1900	pH	S.U.	7.5	7.67	7.47 - 7.87	Acceptable	SM 4500-H+B-2011 2011	7/24/2025	-3.28	7.69	0.0577	Derek Gertzen
WP pH (cat# 977, lot# 071125N) - 16 Study Dates: 07/11/2025 - 08/06/2025												
1900	pH	S.U.	6.6	6.60	6.40 - 6.80	Acceptable	SM 4500-H+B-2011 2011	7/24/2025	-0.145	6.61	0.0417	Eric Schane
WP pH (cat# 977, lot# 071125N) - 17 Study Dates: 07/11/2025 - 08/06/2025												
1900	pH	S.U.	7.36	7.36	7.16 - 7.56	Acceptable	SM 4500-H+B-2011 2011	7/23/2025	-0.338	7.38	0.0555	Matt Brown
WP pH (cat# 977, lot# 071125N) - 18 Study Dates: 07/11/2025 - 08/06/2025												
1900	pH	S.U.	7.53	7.49	7.29 - 7.69	Acceptable	SM 4500-H+B-2011 2011	7/24/2025	-0.295	7.55	0.0802	Greg Bass
WP pH (cat# 977, lot# 071125N) - 19 Study Dates: 07/11/2025 - 08/06/2025												
1900	pH	S.U.	7.57	7.56	7.36 - 7.76	Acceptable	SM 4500-H+B-2011 2011	7/23/2025	-0.328	7.59	0.0602	Greg Warry
WP pH (cat# 977, lot# 071125N) - 20 Study Dates: 07/11/2025 - 08/06/2025												
1900	pH	S.U.	8.27	8.26	8.06 - 8.46	Acceptable	SM 4500-H+B-2011 2011	7/24/2025	0.315	8.24	0.0989	Greg Davison



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.





071125N Final Evaluation Report

A Waters Company

Elizabeth Lock
Lab Manager
Utility Services
10525 U S-30
Bldg. 12
Wanatah, IN 46390
(219) 759-0193

EPA ID:
ERA Customer Number:

IN01090
U776014

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 Low-Level Total Residual Chlorine (cat# 917, lot# 071125N) - 1 Study Dates: 07/11/2025 - 08/06/2025												
1940	Low Level Total Residual Chlorine	µg/L	310	79.0	19.0 - 139	Not Acceptable	SM 4500-Cl G-2011.2011	7/24/2025	16.9	78.8	13.7	Bill England
WP Low-Level Total Residual Chlorine (cat# 917, lot# 071125N) - 2 Study Dates: 07/11/2025 - 08/06/2025												
1940	Low Level Total Residual Chlorine	µg/L	150	165	105 - 225	Acceptable	SM 4500-Cl G-2011.2011	7/24/2025	-0.722	164	20.1	Ken Oviatt
WP Low-Level Total Residual Chlorine (cat# 917, lot# 071125N) - 3 Study Dates: 07/11/2025 - 08/06/2025												
1940	Low Level Total Residual Chlorine	µg/L	210	198	138 - 258	Acceptable	SM 4500-Cl G-2011.2011	7/24/2025	0.690	193	24.3	Matt Garlach
WP Low-Level Total Residual Chlorine (cat# 917, lot# 071125N) - 4 Study Dates: 07/11/2025 - 08/06/2025												
1940	Low Level Total Residual Chlorine	µg/L	470	131	71.0 - 191	Not Acceptable	SM 4500-Cl G-2011.2011	7/24/2025	16.8	129	20.2	Kent Morphis
WP Low-Level Total Residual Chlorine (cat# 917, lot# 071125N) - 5 Study Dates: 07/11/2025 - 08/06/2025												
1940	Low Level Total Residual Chlorine	µg/L	160	143	83.0 - 203	Acceptable	SM 4500-Cl G-2011.2011	7/24/2025	1.05	140	19.3	Derek Gertzen
WP Low-Level Total Residual Chlorine (cat# 917, lot# 071125N) - 6 Study Dates: 07/11/2025 - 08/06/2025												
1940	Low Level Total Residual Chlorine	µg/L	620	180	120 - 240	Not Acceptable	SM 4500-Cl G-2011.2011	7/24/2025		200	0.00	Eric Schane
WP Low-Level Total Residual Chlorine (cat# 917, lot# 071125N) - 7 Study Dates: 07/11/2025 - 08/06/2025												
1940	Low Level Total Residual Chlorine	µg/L	61	72.3	12.3 - 132	Acceptable	SM 4500-Cl G-2011.2011	7/23/2025	-1.10	74.0	11.8	Matt Brown
WP Low-Level Total Residual Chlorine (cat# 917, lot# 071125N) - 8 Study Dates: 07/11/2025 - 08/06/2025												
1940	Low Level Total Residual Chlorine	µg/L	175	196	138 - 258	Acceptable	SM 4500-Cl G-2011.2011	7/24/2025	-1.28	195	15.6	Greg Bass
WP Low-Level Total Residual Chlorine (cat# 917, lot# 071125N) - 9 Study Dates: 07/11/2025 - 08/06/2025												
1940	Low Level Total Residual Chlorine	µg/L	45	69.8	9.80 - 130	Acceptable	SM 4500-Cl G-2011.2011	7/23/2025	-2.30	72.7	12.0	Greg Warry
WP Low-Level Total Residual Chlorine (cat# 917, lot# 071125N) - 10 Study Dates: 07/11/2025 - 08/06/2025												
1940	Low Level Total Residual Chlorine	µg/L	52	85.3	25.3 - 145	Acceptable	SM 4500-Cl G-2011.2011	7/24/2025	-3.52	92.0	11.3	Greg Davison



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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Elizabeth Lock
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020725A



Final Report

QuiKTM Response Proficiency Testing



A Waters Company

March 18, 2025

Elizabeth Lock
Utility Services
10525 US-30
Bldg. 12
Wanatah, IN 46390

Enclosed is your final report for ERA's QuiK™Response program. Your final report includes an evaluation of all results submitted by your laboratory to ERA. The assigned value(s) and acceptance limits were not available to your laboratory at or before the time of reporting.

All analytes in ERA's QuiK™Response program are evaluated using the following tiered approach. If the analyte is listed in the most current TNI Fields of Proficiency Testing (FoPT) tables the evaluation was completed by comparing the reported result to the acceptance limits generated using the criteria contained in the tables and the evaluation criteria contained in the 2016 TNI Standard, Volume 3. If the analyte is not included in the TNI FoPT tables, 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). All analytes are included in ERA's A2LA accreditation, certification number 1539.01.

The Study Dates listed for each standard in the report are the project ship date (open date) and the date the data was submitted for evaluation (close date). Please note there may be different close dates for different standards within a project.

All activities associated with this QuiK™Response project were performed by Waters/ERA with the exception of these samples/products which were manufactured for Waters/ERA by a subcontractor: Microbiology products with the following catalog numbers; 081, 084, 085, 078, 078A, 083, 083A and Volatiles in Gas Cylinder, catalog number 1100.

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 the quality of your routine data.

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

If you are using this report for DMRQA Corrective Action, please note the following: permittees must submit a copy of this report to your DMR-QA Coordinator, along with your corrective action documentation. Contract Laboratories should send a copy of this report to your permittees upon receipt.

Thank you for your participation in ERA's QuiK™Response program. 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 "Craig Huff".

Craig Huff
Senior Technical Manager

cc: Project File Number 020725A





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Report Recipient	Contact/Phone Number	Reporting Type
No Recipients Selected		



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020725A Laboratory Exception Report

Elizabeth Lock
Lab Manager
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(219) 759-0193

EPA ID: IN01090
ERA Customer Number: U776014

Not Acceptable Evaluations

There were no Not Acceptable evaluations for this study.



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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Project # : 020725A



Final Report Results For Laboratory Utility Services



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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Project# : 020725A



Final Evaluation Report

Project Number: **020725A**

ERA Customer Number: **U776014**

Laboratory Name: **Utility Services**

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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Project# : 020725A





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020725A Final Evaluation Report

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(219) 759-0193

EPA ID:
ERA Customer Number:

IN01090
U776014

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
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WP pH (cat# 977, lot# 020725A) - 1 Study Dates: 02/07/2025 - 03/18/2025

1900	pH	S.U.	6.22	6.21	6.01 - 6.41	Acceptable	SM 4500-H+B-2011.2011	3/10/2025	0.0844	6.22	0.0497	
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WP pH (cat# 977, lot# 020725A) - 2 Study Dates: 02/07/2025 - 03/18/2025

1900	pH	S.U.	7.29	7.27	7.07 - 7.47	Acceptable	SM 4500-H+B-2011.2011	3/10/2025	0.0939	7.29	0.0503	
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WP pH (cat# 977, lot# 020725A) - 3 Study Dates: 02/07/2025 - 03/18/2025

1900	pH	S.U.	7.16	7.15	6.95 - 7.35	Acceptable	SM 4500-H+B-2011.2011	3/10/2025	-0.686	7.20	0.0570	
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WP Low-Level Total Residual Chlorine (cat# 917, lot# 020725A) - 1 Study Dates: 02/07/2025 - 03/18/2025

1940	Low Level Total Residual Chlorine	µg/L	171	155	95.0 - 215	Acceptable	SM 4500-Cl G-2011.2011	3/17/2025	0.777	156	19.7	
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WP Low-Level Total Residual Chlorine (cat# 917, lot# 020725A) - 2 Study Dates: 02/07/2025 - 03/18/2025

1940	Low Level Total Residual Chlorine	µg/L	214	185	125 - 245	Acceptable	SM 4500-Cl G-2011.2011	3/17/2025	1.30	189	19.0	
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WP Low-Level Total Residual Chlorine (cat# 917, lot# 020725A) - 3 Study Dates: 02/07/2025 - 03/18/2025

1940	Low Level Total Residual Chlorine	µg/L	109	102	42.0 - 162	Acceptable	SM 4500-Cl G-2011.2011	3/17/2025	0.295	104	16.6	
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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.

