



Advanced Analytical Solutions

Your laboratory evaluation solution

The Benchmark Performance Audit

Setting the Standard for Single-Blind Performance Evaluation



The DMR-QA Performance Audit

DMR-QA 42

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DMR-QA Series

Nashville AR Wastewater Treatment Plant

US EPA Identification # AR21776

This Report was prepared by:

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TNI PT Provider Code: TNIPTP19 A2LA Certificate Number: 2952.01

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Any questions about this report or its contents should be directed to us at the numbers provided above.

Participating Laboratory Information:

Name of Signatory:	Signatory Title:	Phone # of Signatory:	US EPA Identification #:	Home State Identification #
Mr. Kevin Funderburk	Lab Tech	(870) 845-4522	AR21776	

Date Samples Shipped:	Faxed Data Received On:	Original Data Received On:	Date Study Closed:	client #
26 April 2022	13 July 2022		15 July 2022	002181

As directed by our client, copies of this report, either hard copy or electronic, will be sent to the federal, state or corporate entities listed below.

Arkansas-ADEQ

This report was prepared for the exclusive use of:

Nashville AR City Hall

DMR-QA 42

Client #002181

Summary Report Prepared For
Nashville AR Wastewater Treatment Plant
426 North Main Street
Nashville, Arkansas 71852-2009

Study Open Date: 15 April 2022

Study Close Date: 15 July 2022

Original Print Date: 08-01-2022

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The DMR-QA Performance Audit

Introductions, Definitions and Comments

Thank you for participating in the BenchMark Performance Audit. This program was designed to evaluate your laboratory's performance against TNI specified criteria. All results in this report relate only to the items calibrated and tested. This report shall not be reproduced except in full without written approval of Advanced Analytical Solutions. This report may not be used by the client in any way to claim product endorsement by any agency of the U.S. Government or any state agency. We will make every effort possible to assure the confidentiality of these results. Every effort has been made to assure that the laboratory information has been entered correctly. However, should you find a discrepancy, please notify us immediately and we will make any corrections necessary. The following definitions and information are provided to allow for a clearer understanding of terms used in this report.

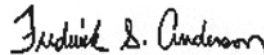
- TNI code:** Provides the TNI analyte code as taken from the most recent FOPTesting documents. If no code is listed then this analyte is not part of the TNI program.
- Analyte:** Provides the name of the Analyte under test.
- Lot Number:** Provides the lot number for each parameter.
- Units:** Provides the unit of measure used for a particular parameter. To this end the following abbreviations are used: mg is used for milligrams, ug for micrograms, l for liter, kg for kilogram, S.U. for specific units and NTU for turbidity units.
- Reported Value:** Provides the results given by the facility under test.
- Study Mean:** Provides the statistically calculated mean of all reporting laboratories after any outliers have been removed.
- Standard Deviation:** Provides the statistically calculated standard deviation of all reporting laboratories after any outliers have been removed.
- Assigned Value:** Provides the value of the sample based on the actual composition or the gravimetric value.
- Acceptance Limits:** Provides the calculated acceptance ranges based on the current TNI FOPT tables.
- Method Description:** Provides the method used by the facility under test.
- Method Code:** Provides space for the method codes as as provided by TNI.
- Analysis Date:** Provides the analysis date given by the facility under test.
- Performance Evaluation:** Provides a rated review of how your facility performed using the following criteria:
 - Acceptable:** Reported value fell within the acceptance and warning limits specified.
 - Not Acceptable:** Reported value fell outside the acceptance limits specified.
 - No Evaluation:** Reported value contained non numeric characters and could not be evaluated.
 - Not Reported** Samples were submitted, but no results were reported for this parameter.

All analytes on this report are included on our scope of accreditation by our PTPA unless the analyte is identified with an asterisk (*).

Study Discussion: There were no pertinent unusual details to report for this study.

Our primary goal is always your satisfaction. That is why we have the 100% customer satisfaction guarantee. Therefore, I would greatly appreciate any comments that you have on our program. We are here to serve you and we appreciate your business.

Respectively Submitted: 08-01-2022



Frederick S. Anderson, Managing Partner

This report is scored by the criteria in the TNI V3 2016 standard instead of by the criteria in TNI V3 2009 standard to which the Proficiency testing Provider is accredited. This is a planned change and is endorsed by the TNI Proficiency Testing Program Executive Committee for transition to the TNI V3 2016 standard.

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US EPA Identification # AR21776

Performance Evaluation Summary Report

TNI Code	Analyte	Lot #	Units	Reported Value	Study Mean	Standard Deviation	Assigned Value	Acceptance Limits	Method Description	Method Code	Analysis Date	Performance Evaluation
Fecal Coliform/Total Coliform/E. Coli Count, BenchMark, WP (catalog # WP0400)												
2500	Total Coliform (MF)	D1170	CFU/100ml	24.00	51.4	2.93	209	2.03 - 1300	SM 9222 D		11-Jul-22	Acceptable
Demands, BenchMark WP (catalog # WP3000)												
1530	5-day BOD	D1186	mg/l	108.50	113	13.2	106	57.1 - 155	SM 5210 B		13-Jul-22	Acceptable
Dissolved Oxygen, BenchMark, WP (catalog # WP3200)												
1880	Dissolved Oxygen	D1187	mg/l	10.80	10.8	0.84	10.7	8.26 - 13.3	SM 4500-O G		08-Jul-22	Acceptable
pH, BenchMark, WP (catalog # WP5500)												
1900	pH	D1194	S.U.	8.10	7.88	0.23	8	7.8 - 8.2	SM 4500-H		08-Jul-22	Acceptable
Solids, BenchMark, WP (catalog # WP5600)												
1960	Non-Filterable Residue [TSS]	D1195A	mg/l	25.00	31.8	2.58	33.3	24 - 39.5	SM 2540 D		11-Jul-22	Acceptable

Study Open Date: 15 April 2022

Study Close Date: 15 July 2022

Original Print Date: 08-01-2022