



8100 National Dr. - Little Rock, AR 72209  
501-455-3233 Fax 501-455-6118

12 February 2025

Josh Weaver  
Wynne Water Utilities  
121 East Merriman  
Wynne, AR 72396

Project: Lagoon Discharge Sample  
Project Number: February 2025  
SDG Number: 2502083

Enclosed are the results of analyses for samples received by the laboratory on 05-Feb-25 14:50. If you have any questions concerning this report, please feel free to contact me.

Sample Receipt Information:

Custody Seals	✓
Containers Correct	✓
COC/Labels Agree	✓
Received On Ice	✓
Temperature on Receipt	1.0°C

Sincerely,

A handwritten signature in blue ink that reads "Norma James".

---

Norma James  
Technical Director

*This document is intended only for the use of the person(s) to whom it is expressly addressed. This document may contain information that is confidential and legally privileged. If you are not the intended recipient, you are notified that any disclosure, distribution, or copying of this document is strictly prohibited. If you have received this document in error, please destroy.*

12 February 2025

Josh Weaver  
Wynne Water Utilities  
121 East Merriman  
Wynne, AR 72396  
Project: Lagoon Discharge Sample  
Project Number: February 2025  
Date Received: 05-Feb-25 14:50



## CASE NARRATIVE

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Sample Delivery Group – 2502083

**One OR more of the qualifiers described below may appear in this report. Qualifiers in RED apply to this SDG (Sample Delivery Group).**

### FECAL COLIFORM QUALIFIERS:

<u>Qualifier</u>	<u>Description</u>
FC	The sample result is actually GREATER THAN the 2420 MPN/100 mL. The sample growth exceeded the limit of the procedure.
TNTC	Too Numerous to Count

12 February 2025

Josh Weaver  
Wynne Water Utilities  
121 East Merriman  
Wynne, AR 72396  
Project: Lagoon Discharge Sample  
Project Number: February 2025  
Date Received: 05-Feb-25 14:50



## ANALYTICAL RESULTS

Lab Number:		2502083-01					
Sample Name:		Lagoon Discharge Grab (Wynne)					
Date/Time Collected:		2/5/25 10:00					
Sample Matrix:		Water					
<u>Wet Chemistry</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>	
Ammonia as N	mg/L	11.9		2/7/25 8:05	B502104	SM 4500-NH3 B,D,C-2021/EPA 250.1	
Fecal Coliforms	MPN/100 mL	TNTC	FC, TNTC	2/5/25 15:35	B502101	IDEXX Colilert-18	
TSS	mg/L	18.5		2/6/25 16:35	B502075	SM 2540 D-2015	
CBOD	mg/L	10.4		2/7/25 6:45	B502102	SM 5210B-2016	

## ANALYTICAL RESULTS

Lab Number:		2502083-02					
Sample Name:		Lagoon Discharge Field Analysis (AR Analytical)					
Date/Time Collected:		2/5/25 11:30					
Sample Matrix:		Water					
<u>Field Analyses</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>	
Dissolved Oxygen	mg/L	10.2		2/5/25 11:30	B502145	SM 4500-O G-2011	
pH	S.U.	7.95		2/5/25 11:30	B502143	SM 4500-H+ B-2011	
Temperature	°C	12.8		2/5/25 11:30	B502144	SM 2550B-2000	

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Wynne, AR 72396  
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Date Received: 05-Feb-25 14:50



## QUALITY CONTROL RESULTS

### Wet Chemistry -- Batch: B502075 (Water)

Prepared: 06-Feb-25 16:35 By: MH -- Analyzed: 06-Feb-25 16:35 By: MH

<u>Analyte</u>	<u>BLK</u>	<u>LCS / LCSD</u>	<u>MS / MSD</u>	<u>Dup</u>	<u>RPD</u>	<u>Qualifiers</u>
TSS	<1.00 mg/L	92.0% / 93.0%	NA / NA		1.08%	

### Wet Chemistry -- Batch: B502101 (Water)

Prepared: 05-Feb-25 15:35 By: KJ -- Analyzed: 05-Feb-25 15:35 By: KJ

<u>Analyte</u>	<u>BLK</u>	<u>LCS / LCSD</u>	<u>MS / MSD</u>	<u>Dup</u>	<u>RPD</u>	<u>Qualifiers</u>
Fecal Coliforms	<1 MPN/100 mL	NA / NA	NA / NA	19 MPN/100 mL	41.5%	

### Wet Chemistry -- Batch: B502102 (Water)

Prepared: 07-Feb-25 06:45 By: CGF -- Analyzed: 07-Feb-25 06:45 By: CGF

<u>Analyte</u>	<u>BLK</u>	<u>LCS / LCSD</u>	<u>MS / MSD</u>	<u>Dup</u>	<u>RPD</u>	<u>Qualifiers</u>
CBOD	<2.00 mg/L	126% / 130%	NA / NA		3.22%	

### Wet Chemistry -- Batch: B502104 (Water)

Prepared: 07-Feb-25 08:05 By: KJ -- Analyzed: 07-Feb-25 08:05 By: KJ

<u>Analyte</u>	<u>BLK</u>	<u>LCS / LCSD</u>	<u>MS / MSD</u>	<u>Dup</u>	<u>RPD</u>	<u>Qualifiers</u>
Ammonia as N	<0.500 mg/L	97.1% / NA	103% / 102%		0.684%	

### Field Analyses -- Batch: B502143 (Water)

Prepared: 05-Feb-25 08:31 By: MH -- Analyzed: 05-Feb-25 08:31 By: MH

<u>Analyte</u>	<u>BLK</u>	<u>LCS / LCSD</u>	<u>MS / MSD</u>	<u>Dup</u>	<u>RPD</u>	<u>Qualifiers</u>
pH (Field)	NA	100% / 100%	NA / NA		0.00%	

### Field Analyses -- Batch: B502144 (Water)

Prepared: 05-Feb-25 13:40 By: MH -- Analyzed: 05-Feb-25 13:40 By: MH

<u>Analyte</u>	<u>BLK</u>	<u>LCS / LCSD</u>	<u>MS / MSD</u>	<u>Dup</u>	<u>RPD</u>	<u>Qualifiers</u>
Temperature (Field)	NA	NA / NA	NA / NA	17.9 °C	1.12%	

### Field Analyses -- Batch: B502145 (Water)

Prepared: 05-Feb-25 13:40 By: MH -- Analyzed: 05-Feb-25 13:40 By: MH

<u>Analyte</u>	<u>BLK</u>	<u>LCS / LCSD</u>	<u>MS / MSD</u>	<u>Dup</u>	<u>RPD</u>	<u>Qualifiers</u>
Dissolved Oxygen (Field)	NA	NA / NA	NA / NA	5.84 mg/L	0.853%	

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**Date Received: 05-Feb-25 14:50**



---

**QUALIFIER(S)**

\*FC: The sample result is actually GREATER THAN 2420 MPN/100mL. The sample growth exceeded the limit of the procedure.

\*TNTC: Too Numerous To Count

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All Analysis performed according to EPA approved methodology when available :

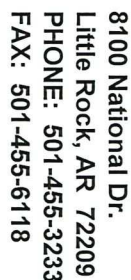
SW 846, Revised December, 1996; EPA 600/4-79-020, Revised March, 1983; Standard Methods.

Instrument calibration and quality control samples performed at or above frequency specified in analytical method.

A handwritten signature in blue ink, reading "Norma James", is positioned above a horizontal line.

Reviewed by:

Norma James  
Technical Director



# CHAIN OF CUSTODY RECORD

[illegible]



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501-455-3233 Fax 501-455-6118

18 February 2025

Josh Weaver  
Wynne Water Utilities  
121 East Merriman  
Wynne, AR 72396

Project: Lagoon Discharge Sample  
Project Number: February 2025  
SDG Number: 2502247

Enclosed are the results of analyses for samples received by the laboratory on 12-Feb-25 15:00. If you have any questions concerning this report, please feel free to contact me.

Sample Receipt Information:

Custody Seals	✓
Containers Correct	✓
COC/Labels Agree	✓
Received On Ice	✓
Temperature on Receipt	1.0°C

Sincerely,

A handwritten signature in blue ink that reads "Norma James".

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Norma James  
Technical Director

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18 February 2025

Josh Weaver  
Wynne Water Utilities  
121 East Merriman  
Wynne, AR 72396  
Project: Lagoon Discharge Sample  
Project Number: February 2025  
Date Received: 12-Feb-25 15:00



## CASE NARRATIVE

---

Sample Delivery Group – 2502247

**One OR more of the qualifiers described below may appear in this report. Qualifiers in RED apply to this SDG (Sample Delivery Group).**

### FECAL COLIFORM QUALIFIERS:

<u>Qualifier</u>	<u>Description</u>
FC	The sample result is actually GREATER THAN the 2420 MPN/100 mL. The sample growth exceeded the limit of the procedure.
TNTC	Too Numerous to Count



18 February 2025

Josh Weaver  
Wynne Water Utilities  
121 East Merriman  
Wynne, AR 72396  
Project: Lagoon Discharge Sample  
Project Number: February 2025  
Date Received: 12-Feb-25 15:00



## ANALYTICAL RESULTS

Lab Number:		2502247-01					
Sample Name:		Lagoon Discharge Grab (Wynne)					
Date/Time Collected:		2/12/25 10:00					
Sample Matrix:		Water					
<u>Wet Chemistry</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>	
Ammonia as N	mg/L	12.9		2/14/25 7:57	B502268	SM 4500-NH3 B,D,C-2021/EPA 2500 1	
Fecal Coliforms	MPN/100 mL	TNTC	FC, TNTC	2/12/25 15:40	B502264	IDEXX Colilert-18	
TSS	mg/L	17.5		2/14/25 9:15	B502263	SM 2540 D-2015	
CBOD	mg/L	9.16		2/13/25 7:10	B502235	SM 5210B-2016	

## ANALYTICAL RESULTS

Lab Number:		2502247-02					
Sample Name:		Lagoon Discharge Field Analysis (AR Analytical)					
Date/Time Collected:		2/12/25 11:46					
Sample Matrix:		Water					
<u>Field Analyses</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>	
Dissolved Oxygen	mg/L	10.6		2/12/25 11:46	B502304	SM 4500-O G-2011	
pH	S.U.	7.71		2/12/25 11:46	B502300	SM 4500-H+ B-2011	
Temperature	°C	14.1		2/12/25 11:46	B502303	SM 2550B-2000	

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Wynne, AR 72396  
Project: Lagoon Discharge Sample  
Project Number: February 2025  
Date Received: 12-Feb-25 15:00



## QUALITY CONTROL RESULTS

### Wet Chemistry -- Batch: B502235 (Water)

Prepared: 13-Feb-25 07:10 By: CGF -- Analyzed: 13-Feb-25 07:10 By: CGF

<u>Analyte</u>	<u>BLK</u>	<u>LCS / LCSD</u>	<u>MS / MSD</u>	<u>Dup</u>	<u>RPD</u>	<u>Qualifiers</u>
CBOD	<2.00 mg/L	120% / 125%	NA / NA		3.84%	

### Wet Chemistry -- Batch: B502263 (Water)

Prepared: 14-Feb-25 09:15 By: MH -- Analyzed: 14-Feb-25 09:15 By: MH

<u>Analyte</u>	<u>BLK</u>	<u>LCS / LCSD</u>	<u>MS / MSD</u>	<u>Dup</u>	<u>RPD</u>	<u>Qualifiers</u>
TSS	<1.00 mg/L	91.0% / 95.0%	NA / NA		4.30%	

### Wet Chemistry -- Batch: B502264 (Water)

Prepared: 12-Feb-25 15:40 By: KJ -- Analyzed: 12-Feb-25 15:40 By: KJ

<u>Analyte</u>	<u>BLK</u>	<u>LCS / LCSD</u>	<u>MS / MSD</u>	<u>Dup</u>	<u>RPD</u>	<u>Qualifiers</u>
Fecal Coliforms	<1 MPN/100 mL	NA / NA	NA / NA	1 MPN/100 mL	0.00%	

### Wet Chemistry -- Batch: B502268 (Water)

Prepared: 14-Feb-25 07:57 By: KJ -- Analyzed: 14-Feb-25 07:57 By: KJ

<u>Analyte</u>	<u>BLK</u>	<u>LCS / LCSD</u>	<u>MS / MSD</u>	<u>Dup</u>	<u>RPD</u>	<u>Qualifiers</u>
Ammonia as N	<0.500 mg/L	106% / NA	110% / 109%		0.650%	

### Field Analyses -- Batch: B502300 (Water)

Prepared: 12-Feb-25 08:40 By: MH -- Analyzed: 12-Feb-25 08:40 By: MH

<u>Analyte</u>	<u>BLK</u>	<u>LCS / LCSD</u>	<u>MS / MSD</u>	<u>Dup</u>	<u>RPD</u>	<u>Qualifiers</u>
pH (Field)	NA	100% / 100%	NA / NA		0.00%	

### Field Analyses -- Batch: B502303 (Water)

Prepared: 12-Feb-25 13:50 By: MH -- Analyzed: 12-Feb-25 13:50 By: MH

<u>Analyte</u>	<u>BLK</u>	<u>LCS / LCSD</u>	<u>MS / MSD</u>	<u>Dup</u>	<u>RPD</u>	<u>Qualifiers</u>
Temperature (Field)	NA	NA / NA	NA / NA	17.0 °C	0.587%	

### Field Analyses -- Batch: B502304 (Water)

Prepared: 12-Feb-25 13:50 By: MH -- Analyzed: 12-Feb-25 13:50 By: MH

<u>Analyte</u>	<u>BLK</u>	<u>LCS / LCSD</u>	<u>MS / MSD</u>	<u>Dup</u>	<u>RPD</u>	<u>Qualifiers</u>
Dissolved Oxygen (Field)	NA	NA / NA	NA / NA	6.88 mg/L	1.46%	

18 February 2025

**Josh Weaver**  
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**121 East Merriman**  
**Wynne, AR 72396**  
**Project: Lagoon Discharge Sample**  
**Project Number: February 2025**  
**Date Received: 12-Feb-25 15:00**



---

**QUALIFIER(S)**

\*FC: The sample result is actually GREATER THAN 2420 MPN/100mL. The sample growth exceeded the limit of the procedure.

\*TNTC: Too Numerous To Count

---

All Analysis performed according to EPA approved methodology when available :

SW 846, Revised December, 1996; EPA 600/4-79-020, Revised March, 1983; Standard Methods.

Instrument calibration and quality control samples performed at or above frequency specified in analytical method.

A handwritten signature in blue ink, reading "Norma James", is positioned above a horizontal line.

Reviewed by:

Norma James  
Technical Director



8100 National Dr.  
Little Rock, AR 72209  
PHONE: 501-455-3233  
FAX: 501-455-6118

# CHAIN OF CUSTODY RECORD

CLIENT INFORMATION			Project Description			Turnaround Time		Preservation Codes:											
Wynne Water Utilities			Lagoon Discharge Sample			1 Day (100%)		1. Cool, 6 Degrees Centigrade						4. Thiosulfate for Dechlorination					
121 East Merriman			Weekly Sample			2 Day (50%)		2. Sulfuric Acid (H <sub>2</sub> SO <sub>4</sub> ), pH < 2						5. Hydrochloric Acid(HCl)					
Wynne, AR 72396			Reporting Information			3 Day (25%)		3. Nitric Acid (HNO <sub>3</sub> ), pH < 2						6. Sodium Hydroxide (NaOH), pH > 12					
			Telephone: 870-238-2751			5 Day (Routine)		TEST PARAMETERS										Bottle Type Code	
Attn: Josh Weaver			Fax: 870-238-2044			Preservative Code:		1	1	1,2	1,4						G = Glass; P = Plastic		
			Email: jweaver.wwu@gmail.com			Bottle Type:		P	P	P	P						V = Septum; A = Amber		
Sampler(s) Signature:			Sampler(s) Printed: Josh Weaver					Field (pH, D.O., Temperature)		CBOD, TSS		Ammonia		Fecal Coliform		Arkansas Analytical Work Order Number: 2502247			
Field Number	SAMPLE COLLECTION		Grab	Comp	Number of Bottles	Sample Matrix	SAMPLE IDENTIFICATION/ DESCRIPTION												
	2/12	10AM	X		3	Water	Lagoon Discharge Grab (Wynne)			X	X	X					01		
	2/12/25	1146	X		0	Water	Lagoon Discharge Field Analysis (AR Analytical)		X								02		
ONSITE MEASUREMENTS by Arkansas Analytical -- DATE: 2/12/25																			
		Sample		Duplicate		QC		QC Duplicate		Field Calibration Record -- DATE: 2/12/25									
		pH (S.U.)		7.71		7.79		7.01		7.01		pH / Time		D.O.		Chlorine			
		Time		1146		1150		839		840									
		Temperature (°C)		14.1		14.0		19.8		19.8		4		Time		QC Time			
		Time		1146		1150		839		840		7		842		1			
		Dissolved Oxygen (mg/L)		1065		1075		924		9092		10		835		2			
		Time		1146		1150		842		842									
1. Relinquished by: (Signature)			Date/Time			2. Received by: (Signature)			SAMPLE CONDITION UPON RECEIPT IN LAB					REMARKS / SAMPLE COMMENTS					
			2/12						1. CUSTODY SEALS: <input checked="" type="checkbox"/> Yes ___ No										
									2. CONTAINERS CORRECT: ___ Yes ___ No										
									3. COC/LABELS AGREE: ___ Yes ___ No										
3. Relinquished by: (Signature)			Date/Time			4. Received by lab: (Signature)			4. RECEIVED ON ICE: ___ Yes ___ No										
			1500 2/12/25			Iami Nelson			5. TEMPERATURE ON RECEIPT: 1 °C										
									6. TEMPERATURE GUN ID: HHT# 5										
FOR COMPLETION BY LAB ONLY																			



8100 National Dr. - Little Rock, AR 72209  
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27 February 2025

Josh Weaver  
Wynne Water Utilities  
121 East Merriman  
Wynne, AR 72396

Project: Lagoon Discharge Sample  
Project Number: February 2025  
SDG Number: 2502409

Enclosed are the results of analyses for samples received by the laboratory on 20-Feb-25 14:40. If you have any questions concerning this report, please feel free to contact me.

Sample Receipt Information:

Custody Seals	✓
Containers Correct	✓
COC/Labels Agree	✓
Received On Ice	✓
Temperature on Receipt	2.0°C

Sincerely,

A handwritten signature in blue ink that reads "Norma James".

---

Norma James  
Technical Director

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27 February 2025

Josh Weaver  
Wynne Water Utilities  
121 East Merriman  
Wynne, AR 72396  
Project: Lagoon Discharge Sample  
Project Number: February 2025  
Date Received: 20-Feb-25 14:40



## CASE NARRATIVE

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Sample Delivery Group – 2502409

**One OR more of the qualifiers described below may appear in this report. Qualifiers in RED apply to this SDG (Sample Delivery Group).**

### FECAL COLIFORM QUALIFIERS:

<u>Qualifier</u>	<u>Description</u>
FC	The sample result is actually GREATER THAN the 2420 MPN/100 mL. The sample growth exceeded the limit of the procedure.
TNTC	Too Numerous to Count

27 February 2025

Josh Weaver  
Wynne Water Utilities  
121 East Merriman  
Wynne, AR 72396  
Project: Lagoon Discharge Sample  
Project Number: February 2025  
Date Received: 20-Feb-25 14:40



## ANALYTICAL RESULTS

Lab Number:		2502409-01					
Sample Name:		Lagoon Discharge Grab (Wynne)					
Date/Time Collected:		2/20/25 10:30					
Sample Matrix:		Water					
<u>Wet Chemistry</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>	
Ammonia as N	mg/L	10.3		2/21/25 7:48	B502394	SM 4500-NH3 B,D,C-2021/EPA 250.1	
Fecal Coliforms	MPN/100 mL	TNTC	FC, TNTC	2/20/25 15:45	B502404	IDEXX Colilert-18	
TSS	mg/L	16.5		2/24/25 10:05	B502431	SM 2540 D-2015	
CBOD	mg/L	6.16		2/21/25 6:55	B502396	SM 5210B-2016	

## ANALYTICAL RESULTS

Lab Number:		2502409-02					
Sample Name:		Lagoon Discharge Field Analysis (AR Analytical)					
Date/Time Collected:		2/20/25 12:24					
Sample Matrix:		Water					
<u>Field Analyses</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>	
Dissolved Oxygen	mg/L	11.3		2/20/25 12:24	B502421	SM 4500-O G-2011	
pH	S.U.	7.82		2/20/25 12:24	B502419	SM 4500-H+ B-2011	
Temperature	°C	4.9		2/20/25 12:24	B502420	SM 2550B-2000	

27 February 2025

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121 East Merriman  
Wynne, AR 72396  
Project: Lagoon Discharge Sample  
Project Number: February 2025  
Date Received: 20-Feb-25 14:40



## QUALITY CONTROL RESULTS

### Wet Chemistry -- Batch: B502394 (Water)

Prepared: 21-Feb-25 07:48 By: KJ -- Analyzed: 21-Feb-25 07:48 By: KJ

<u>Analyte</u>	<u>BLK</u>	<u>LCS / LCSD</u>	<u>MS / MSD</u>	<u>Dup</u>	<u>RPD</u>	<u>Qualifiers</u>
Ammonia as N	<0.500 mg/L	104% / NA	109% / 105%		3.34%	

### Wet Chemistry -- Batch: B502396 (Water)

Prepared: 21-Feb-25 06:55 By: CGF -- Analyzed: 21-Feb-25 06:55 By: CGF

<u>Analyte</u>	<u>BLK</u>	<u>LCS / LCSD</u>	<u>MS / MSD</u>	<u>Dup</u>	<u>RPD</u>	<u>Qualifiers</u>
CBOD	<2.00 mg/L	117% / 119%	NA / NA		1.25%	

### Wet Chemistry -- Batch: B502404 (Water)

Prepared: 20-Feb-25 15:45 By: KJ -- Analyzed: 20-Feb-25 15:45 By: KJ

<u>Analyte</u>	<u>BLK</u>	<u>LCS / LCSD</u>	<u>MS / MSD</u>	<u>Dup</u>	<u>RPD</u>	<u>Qualifiers</u>
Fecal Coliforms	<1 MPN/100 mL	NA / NA	NA / NA	ND MPN/100 mL	200%	

### Field Analyses -- Batch: B502419 (Water)

Prepared: 20-Feb-25 08:47 By: MH -- Analyzed: 20-Feb-25 08:47 By: MH

<u>Analyte</u>	<u>BLK</u>	<u>LCS / LCSD</u>	<u>MS / MSD</u>	<u>Dup</u>	<u>RPD</u>	<u>Qualifiers</u>
pH (Field)	NA	101% / 101%	NA / NA		0.00%	

### Field Analyses -- Batch: B502420 (Water)

Prepared: 20-Feb-25 14:25 By: MH -- Analyzed: 20-Feb-25 14:25 By: MH

<u>Analyte</u>	<u>BLK</u>	<u>LCS / LCSD</u>	<u>MS / MSD</u>	<u>Dup</u>	<u>RPD</u>	<u>Qualifiers</u>
Temperature (Field)	NA	NA / NA	NA / NA	10.7 °C	1.85%	

### Field Analyses -- Batch: B502421 (Water)

Prepared: 20-Feb-25 14:25 By: MH -- Analyzed: 20-Feb-25 14:25 By: MH

<u>Analyte</u>	<u>BLK</u>	<u>LCS / LCSD</u>	<u>MS / MSD</u>	<u>Dup</u>	<u>RPD</u>	<u>Qualifiers</u>
Dissolved Oxygen (Field)	NA	NA / NA	NA / NA	8.19 mg/L	1.21%	

### Wet Chemistry -- Batch: B502431 (Water)

Prepared: 24-Feb-25 10:05 By: MH -- Analyzed: 24-Feb-25 10:05 By: MH

<u>Analyte</u>	<u>BLK</u>	<u>LCS / LCSD</u>	<u>MS / MSD</u>	<u>Dup</u>	<u>RPD</u>	<u>Qualifiers</u>
TSS	<1.00 mg/L	88.0% / 94.0%	NA / NA		6.59%	



27 February 2025

**Josh Weaver**  
**Wynne Water Utilities**  
**121 East Merriman**  
**Wynne, AR 72396**  
**Project: Lagoon Discharge Sample**  
**Project Number: February 2025**  
**Date Received: 20-Feb-25 14:40**



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**QUALIFIER(S)**

\*FC: The sample result is actually GREATER THAN 2420 MPN/100mL. The sample growth exceeded the limit of the procedure.  
\*TNTC: Too Numerous To Count

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All Analysis performed according to EPA approved methodology when available :  
SW 846, Revised December, 1996; EPA 600/4-79-020, Revised March, 1983; Standard Methods.  
Instrument calibration and quality control samples performed at or above frequency specified in analytical method.

A handwritten signature in blue ink, reading "Norma James", is positioned above a horizontal line.

Reviewed by:

Norma James  
Technical Director



8100 National Dr.  
Little Rock, AR 72209  
PHONE: 501-455-3233  
FAX: 501-455-6118

# CHAIN OF CUSTODY RECORD

CLIENT INFORMATION			Project Description			Turnaround Time		Preservation Codes:											
Wynne Water Utilities			Lagoon Discharge Sample			1 Day (100%)		1. Cool, 6 Degrees Centigrade					4. Thiosulfate for Dechlorination						
121 East Merriman			Weekly Sample			2 Day (50%)		2. Sulfuric Acid (H <sub>2</sub> SO <sub>4</sub> ), pH < 2					5. Hydrochloric Acid(HCl)						
Wynne, AR 72396			Reporting Information			3 Day (25%)		3. Nitric Acid (HNO <sub>3</sub> ), pH < 2					6. Sodium Hydroxide (NaOH), pH > 12						
Attn: Josh Weaver			Telephone: 870-238-2751			5 Day (Routine)		TEST PARAMETERS										Bottle Type Code	
			Fax: 870-238-2044			Preservative Code:		1	1	1,2	1,4						G = Glass; P = Plastic		
			Email: jweaver.wyu@gmail.com			Bottle Type:		P	P	P	P						V = Septum; A = Amber		
Sampler(s) Signature:			Sampler(s) Printed: Josh Weaver						Arkansas Analytical Work Order Number: 2502409										
Field Number	SAMPLE COLLECTION		Grab	Comp	Number of Bottles	Sample Matrix	SAMPLE IDENTIFICATION/ DESCRIPTION		Field (pH, D.O., Temperature)	CBOD, TSS	Ammonia	Fecal Coliform							
	2/20	1030	X		3	Water	Lagoon Discharge Grab (Wynne)			X	X	X					01		
	2/20/25	1224	X		0	Water	Lagoon Discharge Field Analysis (AR Analytical)		X								02		
ONSITE MEASUREMENTS by Arkansas Analytical -- DATE: 2/20/25																			
		Sample	Duplicate	QC	QC Duplicate	Field Calibration Record -- DATE: 2/20/25													
pH (S.U.)		782	789	706	706	pH / Time		D.O.		Chlorine									
Time		1224	1229	847	849	4		Time		QC		Time							
Temperature (°C)		4.9	4.8	19.8	19.7	7		840		1									
Time		1224	1229	847	849	10		Slope		2									
Dissolved Oxygen (mg/L)		1132	1144	917	9092														
Time		1224	1229	840	841														
1. Relinquished by: (Signature)			Date/Time			2. Received by: (Signature)			SAMPLE CONDITION UPON RECEIPT IN LAB					REMARKS / SAMPLE COMMENTS					
			2/20						1. CUSTODY SEALS: <input checked="" type="checkbox"/> Yes ___ No										
									2. CONTAINERS CORRECT: <input checked="" type="checkbox"/> Yes ___ No										
									3. COC/LABELS AGREE: <input checked="" type="checkbox"/> Yes ___ No										
3. Relinquished by: (Signature)			Date/Time			4. Received by lab: (Signature)			4. RECEIVED ON ICE: <input checked="" type="checkbox"/> Yes ___ No										
			1/4/0			Jami Nelson			5. TEMPERATURE ON RECEIPT: 2 °C										
			2/20/25						6. TEMPERATURE GUN ID: HHT# 5										
Revision 3 1/4/16																			



8100 National Dr. - Little Rock, AR 72209  
501-455-3233 Fax 501-455-6118

05 March 2025

Josh Weaver  
Wynne Water Utilities  
121 East Merriman  
Wynne, AR 72396

Project: Lagoon Discharge Sample  
Project Number: February 2025  
SDG Number: 2502539

Enclosed are the results of analyses for samples received by the laboratory on 26-Feb-25 15:45. If you have any questions concerning this report, please feel free to contact me.

Sample Receipt Information:

Custody Seals	✓
Containers Correct	✓
COC/Labels Agree	✓
Received On Ice	✓
Temperature on Receipt	3.0°C

Sincerely,

A handwritten signature in blue ink that reads "Norma James".

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Norma James  
Technical Director

*This document is intended only for the use of the person(s) to whom it is expressly addressed. This document may contain information that is confidential and legally privileged. If you are not the intended recipient, you are notified that any disclosure, distribution, or copying of this document is strictly prohibited. If you have received this document in error, please destroy.*

05 March 2025

Josh Weaver  
Wynne Water Utilities  
121 East Merriman  
Wynne, AR 72396  
Project: Lagoon Discharge Sample  
Project Number: February 2025  
Date Received: 26-Feb-25 15:45



## CASE NARRATIVE

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Sample Delivery Group – 2502539

**One OR more of the qualifiers described below may appear in this report. Qualifiers in RED apply to this SDG (Sample Delivery Group).**

### FECAL COLIFORM QUALIFIERS:

<u>Qualifier</u>	<u>Description</u>
FC	The sample result is actually GREATER THAN the 2420 MPN/100 mL. The sample growth exceeded the limit of the procedure.
TNTC	Too Numerous to Count

05 March 2025

Josh Weaver  
Wynne Water Utilities  
121 East Merriman  
Wynne, AR 72396  
Project: Lagoon Discharge Sample  
Project Number: February 2025  
Date Received: 26-Feb-25 15:45



## ANALYTICAL RESULTS

Lab Number:		2502539-01					
Sample Name:		Lagoon Discharge Grab (Wynne)					
Date/Time Collected:		2/26/25 11:30					
Sample Matrix:		Water					
<u>Wet Chemistry</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>	
Ammonia as N	mg/L	8.60		3/3/25 13:31	B503007	SM 4500-NH3 B,D,C-2021/EPA 250.1	
Fecal Coliforms	MPN/100 mL	TNTC	FC, TNTC	2/26/25 16:00	B502523	IDEXX Colilert-18	
TSS	mg/L	34.8		2/27/25 16:15	B502509	SM 2540 D-2015	
CBOD	mg/L	11.7		2/27/25 6:50	B502510	SM 5210B-2016	

## ANALYTICAL RESULTS

Lab Number:		2502539-02					
Sample Name:		Lagoon Discharge Field Analysis (AR Analytical)					
Date/Time Collected:		2/26/25 11:21					
Sample Matrix:		Water					
<u>Field Analyses</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>	
Dissolved Oxygen	mg/L	12.8		2/26/25 11:21	B502560	SM 4500-O G-2011	
pH	S.U.	8.53		2/26/25 11:21	B502558	SM 4500-H+ B-2011	
Temperature	°C	14.9		2/26/25 11:21	B502559	SM 2550B-2000	

05 March 2025

Josh Weaver  
Wynne Water Utilities  
121 East Merriman  
Wynne, AR 72396  
Project: Lagoon Discharge Sample  
Project Number: February 2025  
Date Received: 26-Feb-25 15:45



## QUALITY CONTROL RESULTS

### Wet Chemistry -- Batch: B502509 (Water)

Prepared: 27-Feb-25 16:15 By: MH -- Analyzed: 27-Feb-25 16:15 By: MH

<u>Analyte</u>	<u>BLK</u>	<u>LCS / LCSD</u>	<u>MS / MSD</u>	<u>Dup</u>	<u>RPD</u>	<u>Qualifiers</u>
TSS	<1.00 mg/L	93.0% / 96.0%	NA / NA		3.17%	

### Wet Chemistry -- Batch: B502510 (Water)

Prepared: 27-Feb-25 06:45 By: CGF -- Analyzed: 27-Feb-25 06:45 By: CGF

<u>Analyte</u>	<u>BLK</u>	<u>LCS / LCSD</u>	<u>MS / MSD</u>	<u>Dup</u>	<u>RPD</u>	<u>Qualifiers</u>
CBOD	<2.00 mg/L	129% / 128%	NA / NA		1.14%	

### Wet Chemistry -- Batch: B502523 (Water)

Prepared: 26-Feb-25 15:30 By: KJ -- Analyzed: 26-Feb-25 15:30 By: KJ

<u>Analyte</u>	<u>BLK</u>	<u>LCS / LCSD</u>	<u>MS / MSD</u>	<u>Dup</u>	<u>RPD</u>	<u>Qualifiers</u>
Fecal Coliforms	<1 MPN/100 mL	NA / NA	NA / NA	1 MPN/100 mL	102%	

### Field Analyses -- Batch: B502558 (Water)

Prepared: 26-Feb-25 07:58 By: MH -- Analyzed: 26-Feb-25 07:58 By: MH

<u>Analyte</u>	<u>BLK</u>	<u>LCS / LCSD</u>	<u>MS / MSD</u>	<u>Dup</u>	<u>RPD</u>	<u>Qualifiers</u>
pH (Field)	NA	101% / 101%	NA / NA		0.00%	

### Field Analyses -- Batch: B502559 (Water)

Prepared: 26-Feb-25 14:29 By: MH -- Analyzed: 26-Feb-25 14:29 By: MH

<u>Analyte</u>	<u>BLK</u>	<u>LCS / LCSD</u>	<u>MS / MSD</u>	<u>Dup</u>	<u>RPD</u>	<u>Qualifiers</u>
Temperature (Field)	NA	NA / NA	NA / NA	19.9 °C	1.01%	

### Field Analyses -- Batch: B502560 (Water)

Prepared: 26-Feb-25 14:29 By: MH -- Analyzed: 26-Feb-25 14:29 By: MH

<u>Analyte</u>	<u>BLK</u>	<u>LCS / LCSD</u>	<u>MS / MSD</u>	<u>Dup</u>	<u>RPD</u>	<u>Qualifiers</u>
Dissolved Oxygen (Field)	NA	NA / NA	NA / NA	4.70 mg/L	2.31%	

### Wet Chemistry -- Batch: B503007 (Water)

Prepared: 03-Mar-25 08:47 By: KJ -- Analyzed: 03-Mar-25 08:47 By: KJ

<u>Analyte</u>	<u>BLK</u>	<u>LCS / LCSD</u>	<u>MS / MSD</u>	<u>Dup</u>	<u>RPD</u>	<u>Qualifiers</u>
Ammonia as N	<0.500 mg/L	97.8% / NA	101% / 100%		0.191%	

05 March 2025

**Josh Weaver**  
**Wynne Water Utilities**  
**121 East Merriman**  
**Wynne, AR 72396**  
**Project: Lagoon Discharge Sample**  
**Project Number: February 2025**  
**Date Received: 26-Feb-25 15:45**



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**QUALIFIER(S)**

\*FC: The sample result is actually GREATER THAN 2420 MPN/100mL. The sample growth exceeded the limit of the procedure.  
\*TNTC: Too Numerous To Count

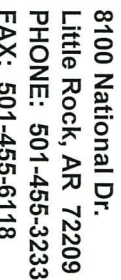
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All Analysis performed according to EPA approved methodology when available :  
SW 846, Revised December, 1996; EPA 600/4-79-020, Revised March, 1983; Standard Methods.  
Instrument calibration and quality control samples performed at or above frequency specified in analytical method.



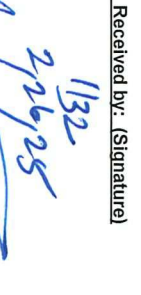

A handwritten signature in blue ink, reading "Norma James", is positioned above a horizontal line.

Reviewed by: \_\_\_\_\_  
Norma James  
Technical Director





# CHAIN OF CUSTODY RECORD

CLIENT INFORMATION				Project Description				Turnaround Time				Preservation Codes:							
Wynne Water Utilities				Lagoon Discharge Sample				1 Day (100%)				1. Cool, 6 Degrees Centigrade							
121 East Merriman				Weekly Sample				2 Day (50%)				2. Sulfuric Acid (H <sub>2</sub> SO <sub>4</sub> ), pH < 2							
Wynne, AR 72396				Reporting Information				3 Day (25%)				3. Nitric Acid (HNO <sub>3</sub> ), pH < 2							
Attn: Josh Weaver				Telephone: 870-238-2751				5 Day (Routine)				TEST PARAMETERS							
				Fax: 870-238-2044				Preservative Code:				Bottle Type Code							
				Email: jweaver.wvu@gmail.com				Bottle Type:				G = Glass; P = Plastic V = Septum; A = Amber							
Sampler(s) Signature: 				Sampler(s) Printed: Josh Weaver				Field (pH, D.O., Temperature)				Arkansas Analytical Work Order Number: 25025300							
Field Number		SAMPLE COLLECTION Dates/Time/s		Grab	Comp	Number of Bottles	Sample Matrix	SAMPLE IDENTIFICATION/ DESCRIPTION		CBOD, TSS		Ammonia		Fecal Coliform					
		2/26		11:30	X		3	Water	Lagoon Discharge Grab (Wynne)	X	X	X	X						
		2/26/25		11:21	X		0	Water	Lagoon Discharge Field Analysis (AR Analytical)	X									
ONSITE MEASUREMENTS by Arkansas Analytical -- DATE: 2/26/25																			
								Sample	Duplicate	QC	QC Duplicate	Field Calibration Record -- DATE: 2/26/25							
								pH (S.U.)	853	842	704	704	pH / Time		D.O.	Chlorine			
								Time	11:21	11:25	757	758	Time		Time	QC Time			
								Temperature (°C)	14.9	14.8	17.4	17.2	Time		Time	QC Time			
								Time	11:21	11:25	757	758	Time		Time	QC Time			
								Dissolved Oxygen (mg/L)	12.83	12.74	857	874	Time		Time	QC Time			
								Time	11:21	11:25	714	715	Time		Time	QC Time			
1. Relinquished by: (Signature)				Date/Time				2. Received by: (Signature)				SAMPLE CONDITION UPON RECEIPT IN LAB				REMARKS / SAMPLE COMMENTS			
				2/26								1. CUSTODY SEALS: Yes ___ No <input checked="" type="checkbox"/>							
												2. CONTAINERS CORRECT: Yes ___ No <input checked="" type="checkbox"/>							
												3. COC/LABELS AGREE: Yes ___ No <input checked="" type="checkbox"/>							
3. Relinquished by: (Signature)				Date/Time				4. Received by lab: (Signature)				4. RECEIVED ON ICE: Yes ___ No <input checked="" type="checkbox"/>							
				1:54 PM 2/26/25				Nelson				5. TEMPERATURE ON RECEIPT: 3°C							
												6. TEMPERATURE GUN ID: HHT#							
FOR COMPLETION BY LAB ONLY																			