



1702 East Central Avenue Suite 10  
Bentonville, AR 72712  
479-271-7996 phone  
479-271-8394 fax

# Analytical Report

07/09/19 12:29

Client: Town and Country Services  
89 Underwood road  
Bigelow AR, 72016

Work Order: 19F0109  
Project Name: Water Samples  
Project Number: Water Samples

Attn: Al Drinkwater

Date Received: 06/28/19

Sample ID	Laboratory ID	Date and Time Sampled	Sampled By	Sample Type
B Yard Solid	19F0109-01	06/27/19 16:40	Joe Brooks	Grab
B Yard Sludge	19F0109-02	06/27/19 16:40	Joe Brooks	Grab
Bowen Yard	19F0109-03	06/28/19 09:20	Joe Brooks	Grab
Bowen N Fence	19F0109-04	06/28/19 09:20	Joe Brooks	Grab

**Comments:**

Samples were received into laboratory at a temperature of 19.20 °C

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at (479)271-7996. Any opinions, if expressed, are outside the scope of the laboratory's accreditation.

This report and any attachment(s) contains information from Environmental Testing Group, Inc ("ETG"), and is confidential and privileged. The information is intended for the use of the individual or entity named above. If you are not the intended recipient, be aware that any review, disclosure, printing, copying, distribution, retransmission, dissemination or other use of the information and/or contents of this message is prohibited. If you receive this message in error, please contact the sender immediately and delete any and all copies of this message from your computer(s).

These results relate only to the items tested. Estimated uncertainty is available upon request. This report has been electronically signed. Results are reported on a wet weight basis unless otherwise noted.

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David D'Amico  
Laboratory Director



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## Environmental Testing Group

### Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Q	Units	PQL	Dil Factor	Analyzed Date/Time	Analyst	Method	Batch
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**19F0109-01 (Solid) Sampled: 06/27/19 16:40**

**Client Sample Name: B Yard Solid**

Ammonia as N	217		mg/kg dry	46	5	07/04/19 11:35	MBM	EPA 350.1	1907022
Phosphorus, Total as P	1650		"	231	25	07/02/19 14:40	MBM	EPA 365.1	1907008

**19F0109-02 (Solid) Sampled: 06/27/19 16:40**

**Client Sample Name: B Yard Sludge**

Ammonia as N	223		mg/kg dry	43	5	07/04/19 11:35	MBM	EPA 350.1	1907022
Phosphorus, Total as P	2840		"	216	25	07/02/19 14:40	MBM	EPA 365.1	1907008

### Physical Parameters by APHA/ASTM/EPA Methods

Analyte	Result	Q	Units	PQL	Dil Factor	Analyzed Date/Time	Analyst	Method	Batch
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**19F0109-01 (Solid) Sampled: 06/27/19 16:40**

**Client Sample Name: B Yard Solid**

Total Solids	64.6		% by Weight	0.0500	1	07/01/19 13:40	MBM	SM2540B	1907001
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**19F0109-02 (Solid) Sampled: 06/27/19 16:40**

**Client Sample Name: B Yard Sludge**

Total Solids	13.7		% by Weight	0.0500	1	07/01/19 13:40	MBM	SM2540B	1907001
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### Microbiological Parameters by APHA Standard Methods

Analyte	Result	Q	Units	PQL	Dil Factor	Analyzed Date/Time	Analyst	Method	Batch
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**19F0109-01 (Solid) Sampled: 06/27/19 16:40**

**Client Sample Name: B Yard Solid**

Fecal Coliforms	1920000		MPN/g	9520	100	06/28/19 13:40	MBM	SM 9223B	1907029
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**19F0109-02 (Solid) Sampled: 06/27/19 16:40**

**Client Sample Name: B Yard Sludge**

Fecal Coliforms	543000		MPN/g	9310	100	06/28/19 13:40	MBM	SM 9223B	1907029
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**19F0109-03 (Water) Sampled: 06/28/19 09:20**

**Client Sample Name: Bowen Yard**

Fecal Coliforms	7620		MPN/100 ml	100	100	06/28/19 13:40	MBM	SM 9223B	1906097
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Attn: Al Drinkwater

Date Received: 06/28/19

## Environmental Testing Group

### Microbiological Parameters by APHA Standard Methods

Analyte	Result	Q	Units	PQL	Dil Factor	Analyzed Date/Time	Analyst	Method	Batch
<b>19F0109-04 (Water) Sampled: 06/28/19 09:20</b>					<b>Client Sample Name: Bowen N Fence</b>				
Fecal Coliforms	6630		MPN/100 ml	100	100	06/28/19 13:40	MBM	SM 9223B	1906097



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Date Received: 06/28/19

## Chemistry Parameters by APHA/EPA Methods - Quality Control Environmental Testing Group

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1907008 - Wet Prep</b>										
<b>Blank (1907008-BLK1)</b> Prepared & Analyzed: 07/02/19										
Phosphorus, Total as P	ND	0.100	mg/kg wet							
<b>LCS (1907008-BS1)</b> Prepared & Analyzed: 07/02/19										
Phosphorus, Total as P	1.060	0.100	mg/kg wet	1.00		106	89.8-110			
<b>LCS Dup (1907008-BSD1)</b> Prepared & Analyzed: 07/02/19										
Phosphorus, Total as P	1.050	0.100	mg/kg wet	1.00		105	89.8-110	0.948	3.09	
<b>Matrix Spike (1907008-MS1)</b> Source: 19F0109-01 Prepared & Analyzed: 07/02/19										
Phosphorus, Total as P	3110	231	mg/kg dry	1790	1653	81.6	90-110			M2
<b>Matrix Spike Dup (1907008-MSD1)</b> Source: 19F0109-01 Prepared & Analyzed: 07/02/19										
Phosphorus, Total as P	3442	231	mg/kg dry	1790	1653	100	90-110	10.1	7.45	M2
<b>Batch 1907022 - Wet Prep</b>										
<b>Blank (1907022-BLK1)</b> Prepared & Analyzed: 07/04/19										
Ammonia as N	ND	0.1	mg/kg wet							
<b>LCS (1907022-BS1)</b> Prepared & Analyzed: 07/04/19										
Ammonia as N	4.690	0.1	mg/kg wet	5.00		93.8	90-110			
<b>LCS Dup (1907022-BSD1)</b> Prepared & Analyzed: 07/04/19										
Ammonia as N	4.780	0.1	mg/kg wet	5.00		95.6	90-110	1.90	10	
<b>Matrix Spike (1907022-MS1)</b> Source: 19F0109-02 Prepared & Analyzed: 07/04/19										
Ammonia as N	2.030		mg/L	2.00	0.07070	98.0	90-110			



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## Chemistry Parameters by APHA/EPA Methods - Quality Control Environmental Testing Group

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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### Batch 1907022 - Wet Prep

#### Matrix Spike Dup (1907022-MSD1)

Source: 19F0109-02

Prepared & Analyzed: 07/04/19

Ammonia as N	1.950		mg/L	2.00	0.07070	94.0	90-110		10	
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## Physical Parameters by APHA/ASTM/EPA Methods - Quality Control Environmental Testing Group

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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### Batch 1907001 - Wet Prep

#### Blank (1907001-BLK1)

Prepared & Analyzed: 07/01/19

Total Solids ND 0.0500 % by Weight

#### Duplicate (1907001-DUP1)

Source: 19F0109-02

Prepared & Analyzed: 07/01/19

Total Solids 13.1 0.0500 % by Weight 13.7 4.48 20

### Notes and Definitions

M2 The MS and/or MSD outside Laboratory historical or method prescribed limits due to sample matrix interference.

ND Analyte NOT DETECTED at PQL ug/L Micrograms/Liter (PPB)

PQL Practical Quantitation Limit ug/Kg Micrograms/Kilogram (PPB)

mg/L Milligrams/Liter (PPM) dry Sample results reported on a dry weight basis

mg/Kg Milligrams/Kilogram (PPM)



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### CERTIFICATIONS

#### Certified Analyses included in this Report

Analysis	Certifications
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Ammonia as N	ADEQ
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Phosphorus, Total as P	ADEQ,NELAP
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Fecal Coliforms	ADEQ
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Total Solids	ADEQ,NELAP
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The laboratory at Environmental Testing Group Inc. operates under the following certifications and accreditations:

The accredited report results were obtained in compliance with 2009 TNI standards unless otherwise noted. For a complete list of accredited analytes, please contact your project manager.

Code	Description	Number	Expires
ADEQ	State of Arkansas	04-0574/09-071-0	10/19/2019
NELAP	FL DOH	E871035	06/30/2019



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### CHAIN OF CUSTODY RECORD

<b>CLIENT INFORMATION</b> Town & Country Services AI Drinkwater 89 Underwood Road Bigelow, AR 72016		<b>Reporting Information</b> Project Name: Water Samples E-Mail: alford_drinkwater@yahoo.com Telephone: 479-422-4826 Fax: 479-422-4826 Bill to / P.O.#:	
<b>Customer Number:</b> 1375-TCS <b>Project Manager:</b> AI Drinkwater		<b>Bottle Type:</b> A) 1 Liter Poly B) 500 mL Poly C) 250 mL Poly D) 1 L Amber Glass E) 330 mL Amber Glass F) 100 mL Snap Cap G) 43 mL VOA H) 1 L W/M Glass J) Half Gallon Poly	
<b>Preservative Code:</b>		<b>Preservation Codes:</b> 1. Cool, 6 Degrees Centigrade 2. Non-preserved 3. Sulfuric Acid (H <sub>2</sub> SO <sub>4</sub> ), pH < 2 4. Nitric Acid (HNO <sub>3</sub> ), pH < 2 5. Thiosulfate for Dechlorination 6. Hydrochloric Acid (HCl) 7. Sodium Hydroxide (NaOH), pH > 12 8. H <sub>3</sub> PO <sub>4</sub> Phosphoric Acid	

LAB ID #	SAMPLE COLLECTION Dates	Times	Grab	Comp	Number of Bottles	Sample Matrix	S-Solid	W-Water	SAMPLE IDENTIFICATION - DESCRIPTION	Fecal	Ammonia, Tot P	BOD	TEST PARAMETERS	REMARKS / COMMENTS
BP	6/27	4:30	X		1	W			Bowen Bend	✓				
Y Solid	6/27	4:40	X		1	W			B Yard Solid	✓				
Y Solid	6/27	4:40	X		1	W			B Yard Sludge	✓				
BY	6/28	9:20			1	W			Bowen Yard	✓				
NF	6/28	9:20			1	W			Bowen N Fence	✓				

**19F0109-01 A**  
 B Yard Solid  
 Solid-Work Order Label  
 Sampled: 06/27/19 16:40  
 Town and Country Services

1. Relinquished by: (Signature) 	Date/Time 6/28/19	2. Received by: (Signature) 	3. Relinquished by: (Signature) 	Date/Time 6/28/19	4. Received by lab: (Signature) 
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**SAMPLE CONDITION UPON RECEIPT IN LAB**

1. CUSTODY SEALS: Yes  No   
 2. CONTAINERS CORRECT: Yes  No   
 3. COC LABELS AGREE: Yes  No   
 4. PRESERVATION CONFIRMED: Yes  No   
 5. RECEIVED ON ICE: Yes  No   
 6. TEMPERATURE UPON RECEIPT: 18°C

**FOR COMPLETION BY LAB ONLY**

**REMARKS / COMMENTS**

InstaClek Jumbo  
 H1613 pH Paper  
 1K Temperature Gun #6  
 UPS

Receipt of samples by Environmental Testing Group, Inc. acknowledges acceptance of Standard Terms and Conditions (available upon request).