

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Cedar Falls  
704 Enterprise Drive  
Cedar Falls, IA 50613  
Tel: (319)277-2401

TestAmerica Job ID: 310-110561-1  
Client Project/Site: Quarterly Testing

For:  
City of Moline  
2800 48th Avenue  
Moline, Illinois 61265-2121

Attn: Rob Barnard

*Linda Cmelik*

Authorized for release by:  
8/2/2017 10:04:22 AM

Linda Cmelik, Project Manager II  
(319)277-2401  
[linda.cmelik@testamericainc.com](mailto:linda.cmelik@testamericainc.com)

### LINKS

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The  
Expert**

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[www.testamericainc.com](http://www.testamericainc.com)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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# Case Narrative

TestAmerica Job ID: 310-110561-1

Client: City of Moline  
Project/Site: Quarterly Testing

**Job ID: 310-110561-1**

**Laboratory: TestAmerica Cedar Falls**

## Narrative

**Job Narrative**  
**310-110561-1**

## Comments

No additional comments.

## Receipt

The samples were received on 7/25/2017 9:10 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 0.7° C and 1.0° C.

## HPLC/IC

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

## General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.



# Sample Summary

Client: City of Moline  
Project/Site: Quarterly Testing

TestAmerica Job ID: 310-110561-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-110561-1	R1	Water	07/24/17 08:35	07/25/17 09:10
310-110561-2	R2	Water	07/24/17 09:00	07/25/17 09:10
310-110561-3	R3	Water	07/24/17 09:30	07/25/17 09:10
310-110561-4	R4	Water	07/24/17 09:45	07/25/17 09:10
310-110561-5	M1	Water	07/24/17 11:45	07/25/17 09:10
310-110561-6	M2	Water	07/24/17 11:30	07/25/17 09:10
310-110561-7	M3	Water	07/24/17 10:55	07/25/17 09:10
310-110561-8	M4	Water	07/24/17 11:05	07/25/17 09:10

# Client Sample Results

Client: City of Moline  
Project/Site: Quarterly Testing

TestAmerica Job ID: 310-110561-1



## Client Sample ID: R1

Date Collected: 07/24/17 08:35  
Date Received: 07/25/17 09:10

## Lab Sample ID: 310-110561-1

Matrix: Water

### Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Chloride	34.0		10.0		mg/L		07/26/17 10:55	10	SAD

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Oil & Grease	<5.1		5.1		mg/L		07/28/17 07:00	1	PEL
Nitrogen, Kjeldahl	<1.00		1.00		mg/L		08/01/17 11:55	1	MDK
Total Phosphorus as P	0.336		0.100		mg/L		08/01/17 20:00	1	JMH
Total Suspended Solids	10.0		2.50		mg/L		07/25/17 10:40	1	SAS
Nitrate Nitrite as N	1.04		0.250		mg/L		07/25/17 16:28	1	MLU
Analyte	Result	Qualifier	RL	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrogen, Total	1.04		1.00		mg/L		07/27/17 08:49	1	LBB

## Client Sample ID: R2

Date Collected: 07/24/17 09:00  
Date Received: 07/25/17 09:10

## Lab Sample ID: 310-110561-2

Matrix: Water

### Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Chloride	30.3		10.0		mg/L		07/26/17 11:10	10	SAD

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Oil & Grease	<5.0		5.0		mg/L		07/28/17 10:30	1	PEL
Nitrogen, Kjeldahl	3.25		1.00		mg/L		08/01/17 12:02	1	MDK
Total Phosphorus as P	0.647		0.100		mg/L		08/01/17 20:01	1	JMH
Total Suspended Solids	23.0		1.88		mg/L		07/25/17 10:40	1	SAS
Nitrate Nitrite as N	1.55		0.250		mg/L		07/25/17 16:31	1	MLU
Analyte	Result	Qualifier	RL	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrogen, Total	4.80		1.00		mg/L		07/27/17 08:49	1	LBB

## Client Sample ID: R3

Date Collected: 07/24/17 09:30  
Date Received: 07/25/17 09:10

## Lab Sample ID: 310-110561-3

Matrix: Water

### Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Chloride	20.7		10.0		mg/L		07/26/17 11:25	10	SAD

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Oil & Grease	<5.0		5.0		mg/L		07/28/17 07:00	1	PEL
Nitrogen, Kjeldahl	1.01		1.00		mg/L		08/01/17 12:03	1	MDK
Total Phosphorus as P	0.285		0.100		mg/L		08/01/17 20:02	1	JMH
Total Suspended Solids	18.5		2.50		mg/L		07/25/17 10:40	1	SAS
Nitrate Nitrite as N	2.59		0.500		mg/L		07/25/17 16:34	1	MLU
Analyte	Result	Qualifier	RL	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrogen, Total	3.60		1.00		mg/L		07/27/17 08:49	1	LBB

TestAmerica Cedar Falls

# Client Sample Results

Client: City of Moline  
Project/Site: Quarterly Testing

TestAmerica Job ID: 310-110561-1

## Client Sample ID: R4

Date Collected: 07/24/17 09:45  
Date Received: 07/25/17 09:10

## Lab Sample ID: 310-110561-4

Matrix: Water

### Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Chloride	320		10.0		mg/L		07/26/17 11:39	10	SAD

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Oil & Grease	<5.6		5.6		mg/L		07/28/17 07:00	1	PEL
Nitrogen, Kjeldahl	<1.00		1.00		mg/L		08/01/17 12:04	1	MDK
Total Phosphorus as P	0.155		0.100		mg/L		08/01/17 20:03	1	JMH
Total Suspended Solids	3.25		1.88		mg/L		07/25/17 10:40	1	SAS
Nitrate Nitrite as N	0.826		0.250		mg/L		07/25/17 16:37	1	MLU
Analyte	Result	Qualifier	RL	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrogen, Total	<1.00		1.00		mg/L		07/27/17 08:49	1	LBB

## Client Sample ID: M1

Date Collected: 07/24/17 11:45  
Date Received: 07/25/17 09:10

## Lab Sample ID: 310-110561-5

Matrix: Water

### Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Chloride	12.9		10.0		mg/L		07/26/17 11:54	10	SAD

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Oil & Grease	<4.9		4.9		mg/L		07/28/17 07:00	1	PEL
Nitrogen, Kjeldahl	1.64		1.00		mg/L		08/01/17 12:05	1	MDK
Total Phosphorus as P	0.434		0.100		mg/L		08/01/17 20:11	1	JMH
Total Suspended Solids	161		7.50		mg/L		07/25/17 10:40	1	SAS
Nitrate Nitrite as N	1.56		0.500		mg/L		07/25/17 16:40	1	MLU
Analyte	Result	Qualifier	RL	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrogen, Total	3.20		1.00		mg/L		07/27/17 08:49	1	LBB

## Client Sample ID: M2

Date Collected: 07/24/17 11:30  
Date Received: 07/25/17 09:10

## Lab Sample ID: 310-110561-6

Matrix: Water

### Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Chloride	159		10.0		mg/L		07/26/17 12:09	10	SAD

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Oil & Grease	<5.1		5.1		mg/L		07/28/17 07:00	1	PEL
Nitrogen, Kjeldahl	<1.00		1.00		mg/L		08/01/17 12:05	1	MDK
Total Phosphorus as P	0.147		0.100		mg/L		08/01/17 20:13	1	JMH
Total Suspended Solids	3.50		1.88		mg/L		07/25/17 10:40	1	SAS
Nitrate Nitrite as N	1.07		0.250		mg/L		07/25/17 16:43	1	MLU
Analyte	Result	Qualifier	RL	RL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrogen, Total	1.07		1.00		mg/L		07/27/17 08:49	1	LBB

TestAmerica Cedar Falls



# Client Sample Results

Client: City of Moline  
Project/Site: Quarterly Testing

TestAmerica Job ID: 310-110561-1



## Client Sample ID: M3

## Lab Sample ID: 310-110561-7

Date Collected: 07/24/17 10:55

Matrix: Water

Date Received: 07/25/17 09:10

### Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Chloride	16.2		10.0		mg/L		07/26/17 12:23	10	SAD

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Oil & Grease	<5.0		5.0		mg/L		07/28/17 07:00	1	PEL
Nitrogen, Kjeldahl	<1.00		1.00		mg/L		08/01/17 12:06	1	MDK
Total Phosphorus as P	0.251		0.100		mg/L		08/01/17 20:14	1	JMH
Total Suspended Solids	67.6		6.67		mg/L		07/25/17 10:40	1	SAS
Nitrate Nitrite as N	1.65		0.250		mg/L		07/25/17 16:45	1	MLU

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrogen, Total	1.65		1.00		mg/L		07/27/17 08:49	1	LBB

## Client Sample ID: M4

## Lab Sample ID: 310-110561-8

Date Collected: 07/24/17 11:05

Matrix: Water

Date Received: 07/25/17 09:10

### Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Chloride	115		10.0		mg/L		07/26/17 12:38	10	SAD

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Oil & Grease	<5.2		5.2		mg/L		07/28/17 07:00	1	PEL
Nitrogen, Kjeldahl	<1.00		1.00		mg/L		08/01/17 12:07	1	MDK
Total Phosphorus as P	0.163		0.100		mg/L		08/01/17 20:15	1	JMH
Total Suspended Solids	2.00		1.88		mg/L		07/25/17 10:40	1	SAS
Nitrate Nitrite as N	2.09		0.500		mg/L		07/25/17 16:54	1	MLU

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Nitrogen, Total	2.09		1.00		mg/L		07/27/17 08:49	1	LBB

## Accreditation/Certification and Definitions Summary

Client: City of Moline  
Project/Site: Quarterly Testing

TestAmerica Job ID: 310-110561-1

### Laboratory: TestAmerica Cedar Falls

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	200024	11-29-17

The following analytes are included in this report, but accreditation/certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
I-3765-85		Water	Total Suspended Solids
Total Nitrogen		Water	Nitrogen, Total

### Glossary

**Abbreviation**      These commonly used abbreviations may or may not be present in this report.

□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

## Method Summary

Client: City of Moline  
Project/Site: Quarterly Testing

TestAmerica Job ID: 310-110561-1

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	TAL CF
1664A	HEM and SGT-HEM	1664A	TAL CF
351.2	Nitrogen, Total Kjeldahl	MCAWW	TAL CF
365.1	Phosphorus, Total	EPA	TAL CF
I-3765-85	Residue, Non-filterable (TSS)	USGS	TAL CF
SM 4500 NO3E	Nitrogen, Nitrate	SM	TAL CF
Total Nitrogen	Nitrogen, Total	EPA	TAL CF

### Protocol References:

1664A = EPA-821-98-002

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

USGS = "Methods For Analysis Of Water And Fluvial Sediments", USGS, 1989

### Laboratory References:

TAL CF = TestAmerica Cedar Falls, 704 Enterprise Drive, Cedar Falls, IA 50613, TEL (319)277-2401

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## Cooler/Sample Receipt and Temperature Record

<b>Client Information</b>	
Client: % Moline	
City/State: Moline IL	Project: Quarterly Testing
<b>Receipt Information</b>	
Date/Time Received: 07.25.17 9:10	Received By: GL
Delivery Type: <input checked="" type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> FedEx Ground <input type="checkbox"/> US Mail <input type="checkbox"/> Spee-Dee <input type="checkbox"/> TA Courier <input type="checkbox"/> TA Field Services <input type="checkbox"/> Client Drop-off <input type="checkbox"/> Other:	
<b>Condition of Cooler/Containers</b>	
Sample(s) received in Cooler?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes: Cooler ID: QC-3
Multiple Coolers?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes: Cooler # 1 of 2
Cooler Custody Seals Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes: Cooler custody seals intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Sample Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes: Sample custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No
Trip Blank Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes: Which VOA samples are in cooler? ↓
<b>Temperature Record</b>	
Coolant: <input checked="" type="checkbox"/> Wet ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> Dry ice <input type="checkbox"/> Other: NONE	
Thermometer ID: G	Correction Factor (°C): -0.1
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature	
Uncorrected Temp (°C): 1.1	Corrected Temp (°C): 1.0
• Sample Container Temperature	
Sample ID(s) & bottle type used:	CONTAINER 1 CONTAINER 2
Uncorrected Temp (°C): TEMP 1 TEMP 2	Corrected Temp (°C): TEMP 1 TEMP 2
<b>Exceptions Noted</b>	
1) If temperature exceeds criteria, was sample(s) received same day of sampling? <input type="checkbox"/> Yes <input type="checkbox"/> No	
a) If yes: Is there evidence that the chilling process began? <input type="checkbox"/> Yes <input type="checkbox"/> No	
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles?) <input type="checkbox"/> Yes <input type="checkbox"/> No	
NOTE: If yes, contact PM before proceeding. If no, proceed with login	
<b>Additional Comments</b>	

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## Cooler/Sample Receipt and Temperature Log Form

<b>Client Information</b>	
Client: % Moline	
City/State: Moline IL	Project: Quarterly Testing
<b>Receipt Information</b>	
Date/Time Received: 07.25.17 9:10	Received By: GL
Delivery Type: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> FedEx Ground <input type="checkbox"/> US Mail <input type="checkbox"/> Spee-Dee <input type="checkbox"/> TA Courier <input type="checkbox"/> TA Field Services <input type="checkbox"/> Client Drop-off <input type="checkbox"/> Other:	
<b>Condition of Cooler/Containers</b>	
Sample(s) received in Cooler?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes: Cooler ID: QC-4
Multiple Coolers?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes: Cooler # 2 of 2
Cooler Custody Seals Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes: Cooler custody seals intact? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Sample Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes: Sample custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No
Trip Blank Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes: Which VOA samples are in cooler? ↓
<b>Temperature Record</b>	
Coolant: <input checked="" type="checkbox"/> Wet ice <input type="checkbox"/> Blue ice <input type="checkbox"/> Dry ice <input type="checkbox"/> Other: <input type="checkbox"/> NONE	
Thermometer ID: G	Correction Factor (°C): -0.1
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature	
Uncorrected Temp (°C): 0.8	Corrected Temp (°C): 0.7
• Sample Container Temperature	
Sample ID(s) & bottle type used:	CONTAINER 1 CONTAINER 2
Uncorrected Temp (°C): TEMP 1 TEMP 2	Corrected Temp (°C): TEMP 1 TEMP 2
<b>Exceptions Noted</b>	
1) If temperature exceeds criteria, was sample(s) received same day of sampling? <input type="checkbox"/> Yes <input type="checkbox"/> No	
a) If yes: Is there evidence that the chilling process began? <input type="checkbox"/> Yes <input type="checkbox"/> No	
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles?) <input type="checkbox"/> Yes <input type="checkbox"/> No	
NOTE: If yes, contact PM before proceeding. If no, proceed with login	
<b>Additional Comments</b>	

GL 7/25

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Temperature readings: \_\_\_\_\_

<u>Client Sample ID</u>	<u>Lab ID</u>	<u>Container Type</u>	<u>Container</u>	<u>Preservative</u>	<u>Lot #</u>
			<u>pH</u>	<u>Added (mls)</u>	
R1	310-110561-A-1	Plastic 250ml - with Sulfuric Acid	<2	_____	_____
R1	310-110561-C-1	Amber Glass 1 liter - Sulfuric Acid	_____	_____	_____
R1	310-110561-D-1	Amber Glass 1 liter - Sulfuric Acid	_____	_____	_____
R2	310-110561-A-2	Plastic 250ml - with Sulfuric Acid	<2	_____	_____
R2	310-110561-C-2	Amber Glass 1 liter - Sulfuric Acid	_____	_____	_____
R2	310-110561-D-2	Amber Glass 1 liter - Sulfuric Acid	_____	_____	_____
R3	310-110561-A-3	Plastic 250ml - with Sulfuric Acid	<2	_____	_____
R3	310-110561-C-3	Amber Glass 1 liter - Sulfuric Acid	_____	_____	_____
R3	310-110561-D-3	Amber Glass 1 liter - Sulfuric Acid	_____	_____	_____
R4	310-110561-A-4	Plastic 250ml - with Sulfuric Acid	<2	_____	_____
R4	310-110561-C-4	Amber Glass 1 liter - Sulfuric Acid	_____	_____	_____
R4	310-110561-D-4	Amber Glass 1 liter - Sulfuric Acid	_____	_____	_____
M1	310-110561-A-5	Plastic 250ml - with Sulfuric Acid	<2	_____	_____
M1	310-110561-C-5	Amber Glass 1 liter - Sulfuric Acid	_____	_____	_____
M1	310-110561-D-5	Amber Glass 1 liter - Sulfuric Acid	_____	_____	_____
M2	310-110561-A-6	Plastic 250ml - with Sulfuric Acid	<2	_____	_____
M2	310-110561-C-6	Amber Glass 1 liter - Sulfuric Acid	_____	_____	_____
M2	310-110561-D-6	Amber Glass 1 liter - Sulfuric Acid	_____	_____	_____
M3	310-110561-A-7	Plastic 250ml - with Sulfuric Acid	<2	_____	_____
M3	310-110561-C-7	Amber Glass 1 liter - Sulfuric Acid	_____	_____	_____
M3	310-110561-D-7	Amber Glass 1 liter - Sulfuric Acid	_____	_____	_____
M4	310-110561-A-8	Plastic 250ml - with Sulfuric Acid	<2	_____	_____
M4	310-110561-C-8	Amber Glass 1 liter - Sulfuric Acid	_____	_____	_____
M4	310-110561-D-8	Amber Glass 1 liter - Sulfuric Acid	_____	_____	_____

Moline Engineering Stormwater  
Fecal Coliform

QUARTERLY SAMPLING

TEST PERFORMED BY CITY OF MOLINE WWTP LABORATORY  
EPA LAB I.D.# IL01054

Erica Williams

Date July 24, 2017 Run by MA Incubator Temp. 44.5°  
 Time 1:00 P.M. Read by MA Control 0  
 Sample Basin Location: Rock River / Mississippi

Sample	CL <sub>2</sub> Residual.	Sample Size	Count	Recorded as	Sample	CL <sub>2</sub> Residual.	Sample Size	Count	Recorded as
R1 8:35 A.M.	mg/l	1 ml	11	1,427 /100ml	R4 9:45 A.M.	mg/l	1 ml	3	336 /100ml
		10 ml	146				10 ml	34	
R2 9:00 A.M.	mg/l	1 ml	4	536 /100ml		mg/l	ml		/100ml
		10 ml	55				ml		
R3 9:30 A.M.	mg/l	1 ml	18	2,173 /100ml	Positive Primary #2	mg/l	1 ml	TNTC	TNTC /100ml
		10 ml	221				10 ml	TNTC	

Whenever possible, record counts that fall between 20 and 60.  
 EXAMPLE: If the 1-ml count is 3 and the 10-ml count is 45, you must record the 45 count as 450/100-ml.  
 If counts do not fall between 20 and 60, use formula in the written procedure;

$$\text{Calculated Count} = \frac{\text{Sum of plate counts}}{\text{Sum of sample mls used}} \times 100$$

If result is less than 10 count/100ml record as <10

Moline Engineering Stormwater  
Fecal Coliform

QUARTERLY SAMPLING

TEST PERFORMED BY CITY OF MOLINE WWTP LABORATORY  
EPA LAB I.D.# IL01054

Erica Williams

Date JULY 24 2017 Run by MA Incubator Temp. 44.5  
Time 1:00 P.M. Read by MA Control 0

Sample Basin Location: Rock River / Mississippi

Sample	CL <sub>2</sub> Residual.	Sample Size	Count	Recorded as	Sample	CL <sub>2</sub> Residual.	Sample Size	Count	Recorded as
M 1 11:45 A.M.	mg/l	1 ml	3	764 /100ml	M 4 11:05 A.M.	mg/l	1 ml	7	700 /100ml
		10 ml	81				10 ml	70	
M 2 11:30 A.M.	mg/l	1 ml	6	382 /100ml		mg/l	ml		/100ml
		10 ml	36				ml		
M 3 10:55 A.M.	mg/l	1 ml	0	64 /100ml	Positive Primary # 2	mg/l	1 ml	TNTC	TNTC /100ml
		10 ml	7				10 ml	TNTC	

Whenever possible, record counts that fall between 20 and 60.

EXAMPLE: If the 1-ml count is 3 and the 10-ml count is 45, you must record the 45 count as 450/100-ml.  
If counts do not fall between 20 and 60, use formula in the written procedure;

$$\text{Calculated Count} = \frac{\text{Sum of plate counts}}{\text{Sum of sample mls used}} \times 100$$

If result is less than 10 count/100ml record as <10