



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Linda McDonald  
Madison County Health Department  
218 SW Third Avenue  
Madison, Florida 32340

Generated 11/14/2024 1:58:22 PM

## JOB DESCRIPTION

Madison Co HD

## JOB NUMBER

674-11051-1

# Eurofins Madison

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

## Authorization



Generated  
11/14/2024 1:58:22 PM

Authorized for release by  
Amy Lipscomb, Service Center Manager  
[amy.lipscomb@et.eurofinsus.com](mailto:amy.lipscomb@et.eurofinsus.com)  
(850)973-6878



# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Detection Summary . . . . .	6
Client Sample Results . . . . .	7
QC Association Summary . . . . .	8
Lab Chronicle . . . . .	9
Certification Summary . . . . .	10
Method Summary . . . . .	11
Sample Summary . . . . .	12
Chain of Custody . . . . .	13
Receipt Checklists . . . . .	14

## Definitions/Glossary

Client: Madison County Health Department  
Project/Site: Madison Co HD

Job ID: 674-11051-1

### 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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

# Case Narrative

Client: Madison County Health Department  
Project: Madison Co HD

Job ID: 674-11051-1

**Job ID: 674-11051-1**

**Eurofins Madison**

## Job Narrative 674-11051-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

### Receipt

The samples were received on 11/13/2024 12:24 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

### Biology

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

Eurofins Madison

# Detection Summary

Client: Madison County Health Department  
Project/Site: Madison Co HD

Job ID: 674-11051-1

## Client Sample ID: BOUNDARY BEND

Lab Sample ID: 674-11051-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Escherichia coli	323.0		10.0	10.0	MPN/100mL	1			9223B	Total/NA
Coliform, Fecal	345.0		10.0	10.0	MPN/100mL	1			Colilert-18	Total/NA

## Client Sample ID: SR6

Lab Sample ID: 674-11051-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Escherichia coli	201.0		10.0	10.0	MPN/100mL	1			9223B	Total/NA
Coliform, Fecal	426.0		10.0	10.0	MPN/100mL	1			Colilert-18	Total/NA

## Client Sample ID: 150

Lab Sample ID: 674-11051-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Escherichia coli	683.0		10.0	10.0	MPN/100mL	1			9223B	Total/NA
Coliform, Fecal	414.0		10.0	10.0	MPN/100mL	1			Colilert-18	Total/NA

## Client Sample ID: 145

Lab Sample ID: 674-11051-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Escherichia coli	411.0		10.0	10.0	MPN/100mL	1			9223B	Total/NA
Coliform, Fecal	776.0		10.0	10.0	MPN/100mL	1			Colilert-18	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Madison

# Client Sample Results

Client: Madison County Health Department  
 Project/Site: Madison Co HD

Job ID: 674-11051-1

## Client Sample ID: BOUNDARY BEND

Lab Sample ID: 674-11051-1

Date Collected: 11/13/24 10:30

Matrix: Water

Date Received: 11/13/24 12:24

### Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	323.0		10.0	10.0	MPN/100mL			11/13/24 13:11	1

### Method: IDEXX Colilert-18 - Fecal Coliforms

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	345.0		10.0	10.0	MPN/100mL			11/13/24 13:11	1

## Client Sample ID: SR6

Lab Sample ID: 674-11051-2

Date Collected: 11/13/24 11:15

Matrix: Water

Date Received: 11/13/24 12:24

### Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	201.0		10.0	10.0	MPN/100mL			11/13/24 13:11	1

### Method: IDEXX Colilert-18 - Fecal Coliforms

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	426.0		10.0	10.0	MPN/100mL			11/13/24 13:11	1

## Client Sample ID: 150

Lab Sample ID: 674-11051-3

Date Collected: 11/13/24 11:40

Matrix: Water

Date Received: 11/13/24 12:24

### Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	683.0		10.0	10.0	MPN/100mL			11/13/24 13:11	1

### Method: IDEXX Colilert-18 - Fecal Coliforms

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	414.0		10.0	10.0	MPN/100mL			11/13/24 13:11	1

## Client Sample ID: 145

Lab Sample ID: 674-11051-4

Date Collected: 11/13/24 11:53

Matrix: Water

Date Received: 11/13/24 12:24

### Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	411.0		10.0	10.0	MPN/100mL			11/13/24 13:11	1

### Method: IDEXX Colilert-18 - Fecal Coliforms

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	776.0		10.0	10.0	MPN/100mL			11/13/24 13:11	1

# QC Association Summary

Client: Madison County Health Department  
Project/Site: Madison Co HD

Job ID: 674-11051-1

## Biology

### Analysis Batch: 3761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-11051-1	BOUNDARY BEND	Total/NA	Water	Colilert-18	
674-11051-2	SR6	Total/NA	Water	Colilert-18	
674-11051-3	150	Total/NA	Water	Colilert-18	
674-11051-4	145	Total/NA	Water	Colilert-18	

### Analysis Batch: 3763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
674-11051-1	BOUNDARY BEND	Total/NA	Water	9223B	
674-11051-2	SR6	Total/NA	Water	9223B	
674-11051-3	150	Total/NA	Water	9223B	
674-11051-4	145	Total/NA	Water	9223B	



# Lab Chronicle

Client: Madison County Health Department  
Project/Site: Madison Co HD

Job ID: 674-11051-1

## Client Sample ID: BOUNDARY BEND

Lab Sample ID: 674-11051-1

Date Collected: 11/13/24 10:30

Matrix: Water

Date Received: 11/13/24 12:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	3763	SH	EET MAD	11/13/24 13:11
Total/NA	Analysis	Colilert-18		1	3761	SH	EET MAD	11/13/24 13:11

## Client Sample ID: SR6

Lab Sample ID: 674-11051-2

Date Collected: 11/13/24 11:15

Matrix: Water

Date Received: 11/13/24 12:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	3763	SH	EET MAD	11/13/24 13:11
Total/NA	Analysis	Colilert-18		1	3761	SH	EET MAD	11/13/24 13:11

## Client Sample ID: 150

Lab Sample ID: 674-11051-3

Date Collected: 11/13/24 11:40

Matrix: Water

Date Received: 11/13/24 12:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	3763	SH	EET MAD	11/13/24 13:11
Total/NA	Analysis	Colilert-18		1	3761	SH	EET MAD	11/13/24 13:11

## Client Sample ID: 145

Lab Sample ID: 674-11051-4

Date Collected: 11/13/24 11:53

Matrix: Water

Date Received: 11/13/24 12:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	3763	SH	EET MAD	11/13/24 13:11
Total/NA	Analysis	Colilert-18		1	3761	SH	EET MAD	11/13/24 13:11

### Laboratory References:

EET MAD = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878

# Accreditation/Certification Summary

Client: Madison County Health Department  
Project/Site: Madison Co HD

Job ID: 674-11051-1

## Laboratory: Eurofins Madison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E82405	06-30-25

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

# Method Summary

Client: Madison County Health Department  
Project/Site: Madison Co HD

Job ID: 674-11051-1

Method	Method Description	Protocol	Laboratory
9223B	Coliforms, Total, and E.Coll (Colilert - Quanti Tray)	SM	EET MAD
Colilert-18	Fecal Coliforms	IDEXX	EET MAD

**Protocol References:**

IDEXX = IDEXX Laboratories

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

**Laboratory References:**

EET MAD = Eurofins Madison, 812 S.W. Harvey Greene Drive, Madison, FL 32340, TEL (850)973-6878



# Sample Summary

Client: Madison County Health Department  
Project/Site: Madison Co HD

Job ID: 674-11051-1

---

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
674-11051-1	BOUNDARY BEND	Water	11/13/24 10:30	11/13/24 12:24
674-11051-2	SR6	Water	11/13/24 11:15	11/13/24 12:24
674-11051-3	150	Water	11/13/24 11:40	11/13/24 12:24
674-11051-4	145	Water	11/13/24 11:53	11/13/24 12:24

---

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

**Client Information**  
 Client Contact: DOH Madison  
 Company: DOH MADISON  
 Address: 218 SE Third Ave  
 City: Madison  
 State, Zip: FL, 32340  
 Phone: 850-869-0458 / 850-782-2003 / 850-601-6159  
 Email: [USA.Hays@flhealth.gov](mailto:USA.Hays@flhealth.gov)  
 Project Name:  
 Site:



**Sample Identification**  
 Sample #: *Kat & French*  
 Phone: *850-869-0458*  
 Lab PVI:  
 E-Mail:  
 Carrier Tracking No(s):  
 Due Date Requested:  
 TAT Requested (days):  
 PO #:  
 WO #:  
 Project #:  
 SSOW#:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wasteloi, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	e Coll	Fecal	Analysis Requested
Boundary Bend Boat Ramp	11/13/24	10:30					X	X	
SR 6	11/13/24	11:15					X	X	
CR 150	11/13/24	11:40					X	X	
CR 145	11/13/24	11:53					X	X	

**Possible Hazard Identification**  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Radiological  
 Deliverable Requested: I, II, III, IV, Other (specify)

**Empty Kit Relinquished by:**  
 Relinquished by: *Kat & French*  
 Relinquished by:  
 Relinquished by:  
 Date/Time: 11/13/24 12:21  
 Date/Time:  
 Date/Time:  
 Method of Shipment:  
 Received by: *Atyhan Ham*  
 Date/Time: 11/13/24/12:24  
 Company:  
 Received by:  
 Date/Time:  
 Company:  
 Received by:  
 Date/Time:  
 Company:  
 Cooler Temperature(s) °C and Other Remarks:

- Special Instructions/Note:**  
*ONICE 21*
- Total Number of containers**
- A - HCL
  - B - NaOH
  - C - Zn Acetate
  - D - Nitric Acid
  - E - H2SO4
  - F - MeOH
  - G - Amchlor
  - H - Ascorbic Acid
  - I - Ice
  - J - DI Water
  - K - EDTA
  - L - EDTA
  - M - Hexane
  - N - None
  - O - AsNaO2
  - P - Na2O4S
  - Q - Na2SO3
  - R - Na2S2O3
  - S - H2SO4
  - T - TSP Dodecahydrate
  - U - Acetone
  - V - MCAA
  - W - pH 4-5
  - Z - other (specify)
- Other:



## Login Sample Receipt Checklist

Client: Madison County Health Department

Job Number: 674-11051-1

**Login Number: 11051**

**List Number: 1**

**Creator: Lipscomb, Amy**

**List Source: Eurofins Madison**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

