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# PREPARED FOR

**ANALYTICAL REPORT** 

Attn: Gina Roys Clayton County Recycling 11645 Echo Avenue PO BOX 861 Monona, Iowa 52159

Generated 11/30/2023 8:00:23 PM

# **JOB DESCRIPTION**

110623 AM

# **JOB NUMBER**

310-269480-1

Eurofins Cedar Falls 3019 Venture Way Cedar Falls IA 50613

# **Eurofins Cedar Falls**

### **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 North Central, LLC Project Manager.

# **Authorization**

Generated 11/30/2023 8:00:23 PM

Authorized for release by
Brian Graettinger, Business Unit Manager
Brian.Graettinger@et.eurofinsus.com
Designee for
Matthew Hummel, Braiget Manager I

Matthew Hummel, Project Manager I Matthew.Hummel@et.eurofinsus.com (319)595-2010 Client: Clayton County Recycling Project/Site: 110623 AM

Laboratory Job ID: 310-269480-1

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### **Case Narrative**

Client: Clayton County Recycling

Project/Site: 110623 AM

Job ID: 310-269480-1

Job ID: 310-269480-1

**Laboratory: Eurofins Cedar Falls** 

Narrative

Job Narrative 310-269480-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample 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 sample was received on 11/13/2023 8:40 AM. Unless otherwise noted below, the sample arrived in good condition. The temperature of the cooler at receipt time was 20.2°C

### **Receipt Exceptions**

The following sample was received at the laboratory outside the required temperature criteria: 110623 AM (310-269480-1). There was no cooling media present in the cooler. The client has been contacted regarding this issue and the laboratory was instructed to proceed with analysis.

### **PCBs**

Method 8082A: Tumbled in plastic due to matrix. 110623 AM (310-269480-1)

Method 8082A: Due to the matrix, the initial volume(s) used for the following sample deviated from the standard procedure: 110623 AM (310-269480-1). The reporting limits (RLs) have been adjusted proportionately.

Method 8082A: Surrogate recovery for the following sample was outside control limits: 110623 AM (310-269480-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8082A: The following sample was diluted due to the nature of the sample matrix: 110623 AM (310-269480-1). Elevated reporting limits (RLs) are provided.

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

### Metals

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

### **General Chemistry**

Method D92: The following sample was collected in an improper container: 110623 AM (310-269480-1). The client was contacted regarding this issue, and the laboratory was instructed to proceed with analysis.

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

# **Sample Summary**

Client: Clayton County Recycling

Project/Site: 110623 AM

Job ID: 310-269480-1

 Lab Sample ID
 Client Sample ID
 Matrix
 Collected
 Received

 310-269480-1
 110623 AM
 Solid
 11/06/23 00:00
 11/13/23 08:40

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Job ID: 310-269480-1

Client: Clayton County Recycling

Project/Site: 110623 AM

Analyte

Analyte

pH (SW846 9045D)

Client Sample ID: 110623 AM Lab Sample ID: 310-269480-1 Date Collected: 11/06/23 00:00

Matrix: Solid

Analyzed

Analyzed

11/14/23 21:06

Dil Fac

Dil Fac

Date Received: 11/13/23 08:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<4.00		4.00		ug/L		11/16/23 08:02	11/27/23 21:26	1
PCB-1221	<4.00		4.00		ug/L		11/16/23 08:02	11/27/23 21:26	1
PCB-1232	<4.00		4.00		ug/L		11/16/23 08:02	11/27/23 21:26	1
PCB-1242	<4.00		4.00		ug/L		11/16/23 08:02	11/27/23 21:26	1
PCB-1248	<4.00		4.00		ug/L		11/16/23 08:02	11/27/23 21:26	1
PCB-1254	<4.00		4.00		ug/L		11/16/23 08:02	11/27/23 21:26	1
PCB-1260	<4.00		4.00		ug/L		11/16/23 08:02	11/27/23 21:26	1
PCB-1268	<4.00		4.00		ug/L		11/16/23 08:02	11/27/23 21:26	1
Polychlorinated biphenyls, Total	<4.00		4.00		ug/L		11/16/23 08:02	11/27/23 21:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	38		11 - 122				11/16/23 08:02	11/27/23 21:26	1
Tetrachloro-m-xylene	64		23 - 123				11/16/23 08:02	11/27/23 21:26	1

<0.100		0.100		mg/L		11/16/23 10:40	11/17/23 13:27	1
0.890		0.200		mg/L		11/16/23 10:40	11/17/23 13:27	1
0.188		0.0200		mg/L		11/16/23 10:40	11/17/23 13:27	1
0.0560		0.0200		mg/L		11/16/23 10:40	11/17/23 13:27	1
2.41		0.100		mg/L		11/16/23 10:40	11/17/23 13:27	1
<0.100		0.100		mg/L		11/16/23 10:40	11/17/23 13:27	1
<0.0500		0.0500		mg/L		11/16/23 10:40	11/17/23 13:27	1
Result < 0.00200	Qualifier		MDL	Unit mg/L	_ <u>D</u>	Prepared 11/17/23 12:09	Analyzed 11/20/23 12:28	Dil Fac
Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
4990		500		BTU/lb			11/26/23 11:20	1
		65.0		Degrees F			11/15/23 17:06	
	0.188 0.0560 2.41 <0.100 <0.0500  ary (CVAA) - TCLF Result <0.00200  Result	0.188 0.0560 2.41 <0.100 <0.0500  ary (CVAA) - TCLP Result <0.00200  Result Qualifier	0.188         0.0200           0.0560         0.0200           2.41         0.100           <0.100	0.188         0.0200           0.0560         0.0200           2.41         0.100           <0.100	0.188         0.0200         mg/L           0.0560         0.0200         mg/L           2.41         0.100         mg/L           <0.100         0.100         mg/L           <0.0500         0.0500         mg/L           Iry (CVAA) - TCLP         Result Qualifier         RL         MDL Unit mg/L           <0.00200	0.188         0.0200         mg/L           0.0560         0.0200         mg/L           2.41         0.100         mg/L           <0.100         0.100         mg/L           <0.0500         0.0500         mg/L           Iry (CVAA) - TCLP         Result Qualifier         RL MDL Unit D         MDL	0.188         0.0200         mg/L         11/16/23 10:40           0.0560         0.0200         mg/L         11/16/23 10:40           2.41         0.100         mg/L         11/16/23 10:40           <0.100         0.100         mg/L         11/16/23 10:40           <0.0500         0.0500         mg/L         11/16/23 10:40           Iry (CVAA) - TCLP         Result Qualifier         RL         MDL Unit         D         Prepared           <0.00200         0.00200         mg/L         11/17/23 12:09    Result Qualifier RL RL Unit D Prepared	0.188         0.0200         mg/L         11/16/23 10:40         11/17/23 13:27           0.0560         0.0200         mg/L         11/16/23 10:40         11/17/23 13:27           2.41         0.100         mg/L         11/16/23 10:40         11/17/23 13:27           <0.100         0.100         mg/L         11/16/23 10:40         11/17/23 13:27           <0.0500         0.0500         mg/L         11/16/23 10:40         11/17/23 13:27           Iry (CVAA) - TCLP         Result Qualifier         RL         MDL Unit         D         Prepared         Analyzed           <0.00200         0.00200         mg/L         11/17/23 12:09         11/20/23 12:28

RL

MDL Unit

RL Unit

SU

D

Prepared

Prepared

Client Sample ID: 110623 AM Lab Sample ID: 310-269480-1 Date Collected: 11/06/23 00:00 **Matrix: Solid** Date Received: 11/13/23 08:40 Percent Solids: 89.9

RL

1.0

Result Qualifier

8.2 HF

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0838		0.0838		mg/Kg	<del></del>	11/21/23 12:29	11/28/23 14:23	1
PCB-1221	<0.0838		0.0838		mg/Kg	₩	11/21/23 12:29	11/28/23 14:23	1
PCB-1232	<0.0838		0.0838		mg/Kg	₽	11/21/23 12:29	11/28/23 14:23	1
PCB-1242	0.645		0.168		mg/Kg	.⇔	11/21/23 12:29	11/28/23 16:17	2
PCB-1248	<0.0838		0.0838		mg/Kg	₽	11/21/23 12:29	11/28/23 14:23	1
PCB-1254	<0.0838		0.0838		mg/Kg	₽	11/21/23 12:29	11/28/23 14:23	1
PCB-1260	<0.0838		0.0838		mg/Kg	₩	11/21/23 12:29	11/28/23 14:23	1
PCB-1268	<0.0838		0.0838		mg/Kg	₽	11/21/23 12:29	11/28/23 14:23	1

**Eurofins Cedar Falls** 

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# **Client Sample Results**

Client: Clayton County Recycling Job ID: 310-269480-1

Project/Site: 110623 AM

Halogens, Extractable Organic

(SW846 9023)

Client Sample ID: 110623 AM Lab Sample ID: 310-269480-1

Date Collected: 11/06/23 00:00 Matrix: Solid Date Received: 11/13/23 08:40

Percent Solids: 89.9

11/30/23 09:29

Surrogate  DCB Decachlorobiphenyl (Surr)  Tetrachloro-m-xylene		Qualifier S1- S1-	Limits 10 - 149 10 - 147			Prepared 11/21/23 12:29 11/21/23 12:29	Analyzed 11/28/23 14:23 11/28/23 14:23	<b>Dil Fac</b> 1
General Chemistry Analyte	Result	Qualifier	RL	MDL Uni	t D	Prepared	Analyzed	Dil Fac

556

562

mg/Kg

11/28/23 10:00

### **Lab Chronicle**

Client: Clayton County Recycling

Job ID: 310-269480-1

Project/Site: 110623 AM

Client Sample ID: 110623 AM

Analysis

Analysis

D240-87

D92

Date Collected: 11/06/23 00:00 Date Received: 11/13/23 08:40 Lab Sample ID: 310-269480-1

Matrix: Solid

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor **Number Analyst** Lab or Analyzed 11/15/23 15:30 - 11/16/23 07:00 1 TCLP Leach 1311 406175 HSP8 EET CF 406197 **TCLP** Prep 3510C Y6AF EET CF 11/16/23 08:02 **TCLP** Analysis 8082A 1 407100 BW2O EET CF 11/27/23 21:26 **TCLP** Leach 1311 406185 HSP8 EET CF 11/15/23 15:30 - 11/16/23 07:00 1 **TCLP** Prep 3010A 406241 KCK5 EET CF 11/16/23 10:40 6010D TCLP Analysis 406455 ZRI4 EET CF 11/17/23 13:27 1 **TCLP** Leach 1311 406185 HSP8 EET CF 11/15/23 15:30 - 11/16/23 07:00 1 TCLP 7470A 406420 NFT2 EET CF 11/17/23 12:09 Prep **TCLP** 7470A 406628 NFT2 EET CF 11/20/23 12:28 Analysis EET CF Soluble Leach DI Leach 405999 D7CP 11/14/23 17:46 9045D 406006 D7CP EET CF Soluble Analysis 11/14/23 21:06

Client Sample ID: 110623 AM Lab Sample ID: 310-269480-1

1

132479 PSC

406141 ENB7

**EET HOU** 

EET CF

11/26/23 11:20

11/15/23 17:06

Date Collected: 11/06/23 00:00 Matrix: Solid
Date Received: 11/13/23 08:40 Percent Solids: 89.9

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	3550B			406780	DZK8	EET CF	11/21/23 12:29
Total/NA	Analysis	8082A		1	407136	BW2O	EET CF	11/28/23 14:23
Total/NA	Prep	3550B			406780	DZK8	EET CF	11/21/23 12:29
Total/NA	Analysis	8082A		2	407136	BW2O	EET CF	11/28/23 16:17
Total/NA	Prep	9023			132743	ADL	EET HOU	11/28/23 10:00
Total/NA	Analysis	9023		1	133110	ADL	EET HOU	11/30/23 09:29

This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

### **Laboratory References:**

Total/NA

Total/NA

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

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### **Definitions/Glossary**

Client: Clayton County Recycling

Job ID: 310-269480-1

Project/Site: 110623 AM

**Qualifiers** 

GC Semi VOA

Qualifier Description

S1- Surrogate recovery exceeds control limits, low biased.

**General Chemistry** 

HF Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

**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

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# **Accreditation/Certification Summary**

Client: Clayton County Recycling
Project/Site: 110623 AM
Job ID: 310-269480-1

### **Laboratory: Eurofins Cedar Falls**

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	<b>Expiration Date</b>
Colorado	Petroleum Storage Tank Program	IA100001 (OR)	09-29-24
Georgia	State	IA100001 (OR)	09-29-24
Illinois	NELAP	200024	11-30-24
lowa	State	007	12-01-23
Kansas	NELAP	E-10341	01-31-24
Minnesota	NELAP	019-999-319	12-31-23
Minnesota (Petrofund)	State	3349	01-18-24
North Dakota	State	R-186	09-29-24
Oregon	NELAP	IA100001	09-29-24

### **Laboratory: Eurofins Houston**

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-03-24
Florida	NELAP	E871002	06-30-24
Louisiana (All)	NELAP	03054	06-30-24
Oklahoma	NELAP	1306	08-31-24
Oklahoma	State	2023-139	08-31-24
Texas	NELAP	T104704215-23-53	06-30-24
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26

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### **Method Summary**

Client: Clayton County Recycling

Project/Site: 110623 AM

Method **Method Description** Protocol Laboratory 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography SW846 EET CF Metals (ICP) 6010D SW846 EET CF 7470A Mercury (CVAA) SW846 EET CF 9023 Organic Halides, Extractable (EOX) SW846 **EET HOU** 9045D рΗ SW846 EET CF D240-87 Heat of Combustion ASTM **EET HOU** D92 Flashpoint ASTM EET CF **TCLP Extraction** SW846 EET CF 1311 3010A Preparation, Total Metals SW846 EET CF Liquid-Liquid Extraction (Separatory Funnel) 3510C SW846 EET CF 3550B Ultrasonic Extraction SW846 EET CF 7470A Preparation, Mercury SW846 EET CF 9023 Preparation, EOX SW846 **EET HOU** 

### Protocol References:

DI Leach

ASTM = ASTM International

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

### Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401 EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Deionized Water Leaching Procedure

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Job ID: 310-269480-1

EET CF

ASTM

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# Environment Testing America



# Cooler/Sample Receipt and Temperature Log Form

	and the first that the said with the
Client: Clayton County Recy	cling
City/State:	Project:
Receipt Information Antique Control of the Control	TO DESCRIPTION OF THE PROPERTY CONTRACTOR
Date/Time DATE TIME 11-13-23 US-10	Received By: MY
Delivery Type: ☑ UPS ☐ FedEx	☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☐ Lab Courier ☐ Lab Field Services	•
Condition of Cooler/Containers	是一位。我们是有一种的一种,但是一种一种一种一种
Sample(s) received in Cooler? Yes 🔀 No	If yes: Cooler ID:
Multiple Coolers?	If yes: Cooler # of
Cooler Custody Seals Present? Yes Y No	If yes: Cooler custody seals intact?  Yes
Sample Custody Seals Present? Yes No No	If yes: Sample custody seals intact? Yes
Trip Blank Present?	If yes: Which VOA samples are in cooler? ↓
Temperature Record Management Access to the Control of the Control	d. Tanga ( ) 通知的。 的 "d" 在"对"的"自然是可能的。他是他们
Coolant:	
Thermometer ID:	Correction Factor (°C):
Temp Blank Temperature - If no temp blank, or temp blank t	emperature above criteria, proceed to Sample Container. Temperature
Uncorrected Temp (°C):	0 1 1 7 (00)
i i i i	Corrected Temp (°C):
Sample Container Temperature 第次写真的是 1880 字子。	A DARK SLAMBER TO WHO WE THEN SET THE STATE OF
Sample Container Temperature	, , , ,
Container(s) used:  Uncorrected Temp	A DARK SLAMBER TO WIND DE TREE LEFT LEE
Container(s) used:  Container(s) used:  Uncorrected Temp (°C):  CONTAINER 1 Plash c Bag  20. 2	A DARK SLAMBER TO WIND DE TREE LEFT LEE
Container(s) used:  Container(s) used:  Uncorrected Temp (°C):  Corrected Temp (°C):  Corrected Temp (°C):	CONTAINER 2
Sample Container Temperature  Container(s) used:  Uncorrected Temp (°C):  Corrected Temp (°C):  Corrected Temp (°C):  Exceptions Noted	CONTAINER 2
Container(s) used:  Container(s) used:  Uncorrected Temp (°C):  Corrected Temp (°C):  Corrected Temp (°C):  Do D  Exceptions Noted  1) If temperature exceeds criteria, was sample(s) rec	CONTAINER 2  Served same day of sampling? Yes No
Sample Container Temperature  Container(s) used:  Uncorrected Temp (°C):  Corrected Temp (°C):  Corrected Temp (°C):  Exceptions Noted	CONTAINER 2  Served same day of sampling? Yes No
Container(s) used:  Container(s) used:  Uncorrected Temp (°C):  Corrected Temp (°C):  Corrected Temp (°C):  Do . 2  Exceptions Noted  1) If temperature exceeds criteria, was sample(s) recapility and in the chilling process.	CONTAINER 2  eived same day of sampling? Yes No Sess began? Yes No Sess began? Yes No Sess began? Sess Session No Sess Session No Se
Container(s) used:  Container(s) used:  Uncorrected Temp (°C):  Corrected Temp (°C):  Corrected Temp (°C):  Do. D  Exceptions Noted  1) If temperature exceeds criteria, was sample(s) recapility and the chilling process.  2) If temperature is <0°C, are there obvious signs the (e.g., bulging septa, broken/cracked bottles, froze	eived same day of sampling? Yes No ess began? Yes No at the integrity of sample containers is compromised? In solid?)
Container(s) used:  Container(s) used:  Uncorrected Temp (°C):  Corrected Temp (°C):  Corrected Temp (°C):  Do. D  Exceptions Noted  1) If temperature exceeds criteria, was sample(s) recapility and the chilling process.  2) If temperature is <0°C, are there obvious signs the	eived same day of sampling? Yes No ess began? Yes No at the integrity of sample containers is compromised? In solid? Yes No eeed with login
Container(s) used:  Container(s) used:  Uncorrected Temp (°C):  Corrected Temp (°C):  Corrected Temp (°C):  Do D  Exceptions Noted  1) If temperature exceeds criteria, was sample(s) recapility and the chilling process.  2) If temperature is <0°C, are there obvious signs the (e.g., bulging septa, broken/cracked bottles, frozen	eived same day of sampling? Yes No ess began? Yes No at the integrity of sample containers is compromised? In solid? Yes No eeed with login
Container(s) used:  Container(s) used:  Uncorrected Temp (°C):  Corrected Temp (°C):  Corrected Temp (°C):  Do D  Exceptions Noted  1) If temperature exceeds criteria, was sample(s) recapility and the chilling process.  2) If temperature is <0°C, are there obvious signs the (e.g., bulging septa, broken/cracked bottles, frozen	eived same day of sampling? Yes No ess began? Yes No at the integrity of sample containers is compromised? In solid? Yes No eeed with login
Container(s) used:  Container(s) used:  Uncorrected Temp (°C):  Corrected Temp (°C):  Corrected Temp (°C):  Do D  Exceptions Noted  1) If temperature exceeds criteria, was sample(s) recapility and the chilling process.  2) If temperature is <0°C, are there obvious signs the (e.g., bulging septa, broken/cracked bottles, frozen	eived same day of sampling? Yes No ess began? Yes No at the integrity of sample containers is compromised? In solid? Yes No eeed with login

Document: CED-P-SAM-FRM45521

Revision, 26 Date: 27 Jan 2022

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11/30/2023

Eurofins Cedar Falls 3019 Venture Way Cedar Falls, IA 50613 Phone: 319-277-2401 Fax: 319-277-2425

# **Chain of Custody Record**

& eurofins | Env ronment Testing

Client Information (Sub Contract Lab)				Hummel, Matthew R	Matthey	בֿג כג								310-67400.1		1
	Phone:			E-Maii:			Per la		State	State of Origin:				Page:		
Company: Eurofins Environment Testing South Centr				Accre	ditations f	Accreditations Required (See note)	see note):		ţ		)	)		Job #:		
Address: 4145 Greenbriar Dr	Due Date Requested: 11/28/2023	";   	, <u> </u>	_			Analy	lysis Re	Requested	8				ğ	s: M Hexane	
City: Stafford	TAT Requested (days):	s);				_	-	$\exists$		{		$\dashv$		B NaOH C Zn Acetate	N None O AsNaO2	
State, Zip: TX, 77477				<u> </u>										Nitric Acid NaHSO4	R Na2S2O3	
Phone: 281-240-4200(Tel)	PO #			o)										Amehior Ascorbic Acid		
Email:	WO#.			_	, (UN)					_	_		8	loe Di Water	V MCAA	
Project Name. 110623 AM	Project #: 31001320				B 07 9								talner	L EDA	Y Trizma Z other (specify)	_
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Sample Identification Client ID (Lab ID)	Sample Date	Sample (C	(C=Comp, o=ration, o=Air)	Fleid F	Perfori 9023/90	D240_8							Total N	Special Inst	Special Instructions/Note:	3
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110523 AM (310-269480-1)	11/6/23	Central	Solid	ā	×	×	-			-		├-				14 o
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												-				
Note. Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not ourrently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC aboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC.	Testing North Central, we for analysis/tests/in ral, LLC attention imm	LLC places the c natrix being analy, ediately. If all rec	wnership of methozed, the samples rulested accreditation	id, analyte & nust be shipp ons are curre	accreditati ed back to nt to date,	ion complia the Eurofi return the	ance upon ins Environ signed Ch	our subco ment Test ain of Cus	ntract labo ling North lody attes	oratories. Central, I	This san LC laborid compli	nple ship ratory or ance to	ment i other i	s forwarded under chain nstructions will be provi is Environment Testing	in-of-custody. If the ided. Any changes to North Central, LLC.	
Possible Hazard Identification Unconfirmed					Sample. Re	le Disposal ( A fo Return To Client	I ( A fee Client	may be	Dispos	assessed if san Disposal By Lab	amples	□ are	Arch	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)  Return To Client Disposal By Lab Archive For Mon	nonth) Months	
Deliverable Requested: I II III IV Other (specify)	Primary Deliverable Rank:	ole Rank: 1			pecial l	Special Instructions/QC		Requirements:	ents							
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Relinquished by:	Date/Time:	i ,	Company	Ŋ	Receiv	Received/by:					Date/Time:				Company	
Custody Seals Intact: Custody Seal No.  A Yes A No					Coole	Cooler Temperature(s) °C		and Other Remarks:	Remarks:			Ì	ļ			
																•

Ver. 06/08/2021

# **Login Sample Receipt Checklist**

Client: Clayton County Recycling

Job Number: 310-269480-1

SDG Number:

Login Number: 269480 List Source: Eurofins Cedar Falls

List Number: 1 Creator: Yang, Mary E

Cleator. Tang, wary E	
Question	Answer Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td>	N/A
The cooler's custody seal, if present, is intact.	N/A
Sample custody seals, if present, are intact.	N/A
The cooler or samples do not appear to have been compromised or tampered with.	True
Samples were received on ice.	False
Cooler Temperature is acceptable.	False
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.	N/A

# **Login Sample Receipt Checklist**

Client: Clayton County Recycling

Job Number: 310-269480-1

SDG Number:

Login Number: 269480 **List Source: Eurofins Houston** List Number: 2

List Creation: 11/14/23 12:05 PM

Creator: Baker, Jeremiah

Question	Answer	Comment
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	True	

<6mm (1/4").

# PREPARED FOR

**ANALYTICAL REPORT** 

Attn: Gina Roys Clayton County Recycling 11645 Echo Avenue PO BOX 861 Monona, Iowa 52159

Generated 11/30/2023 8:04:34 PM

# **JOB DESCRIPTION**

110623 PM

# **JOB NUMBER**

310-269481-1

Eurofins Cedar Falls 3019 Venture Way Cedar Falls IA 50613

# **Eurofins Cedar Falls**

### **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 North Central, LLC Project Manager.

# **Authorization**

Generated 11/30/2023 8:04:34 PM

Authorized for release by Brian Graettinger, Business Unit Manager Brian.Graettinger@et.eurofinsus.com Designee for Matthew Hummel, Project Manager I

Matthew.Hummel@et.eurofinsus.com (319)595-2010 Client: Clayton County Recycling Project/Site: 110623 PM

Laboratory Job ID: 310-269481-1

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Chronicle	8
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### **Case Narrative**

Client: Clayton County Recycling

Project/Site: 110623 PM

Job ID: 310-269481-1

Job ID: 310-269481-1

**Laboratory: Eurofins Cedar Falls** 

Narrative

Job Narrative 310-269481-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample 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 sample was received on 11/13/2023 8:40 AM. Unless otherwise noted below, the sample arrived in good condition. The temperature of the cooler at receipt time was 20.2°C

### **Receipt Exceptions**

The following sample was received at the laboratory outside the required temperature criteria: 110623 PM (310-269481-1). There was no cooling media present in the cooler. The client has been contacted regarding this issue and the laboratory was instructed to proceed with analysis.

### **PCBs**

Method 8082A: Tumbled in plastic due to matrix. 110623 PM (310-269481-1)

Method 8082A: Due to the matrix, the initial volume(s) used for the following sample deviated from the standard procedure: 110623 PM (310-269481-1). The reporting limits (RLs) have been adjusted proportionately.

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

### Metals

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

### **General Chemistry**

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

Eurofins Cedar Falls 11/30/2023

# **Sample Summary**

Client: Clayton County Recycling

Project/Site: 110623 PM

Job ID: 310-269481-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-269481-1	110623 PM	Solid	11/06/23 00:00	11/13/23 08:40

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Job ID: 310-269481-1

Client: Clayton County Recycling Project/Site: 110623 PM

Client Sample ID: 110623 PM

Lab Sample ID: 310-269481-1 Date Collected: 11/06/23 00:00

Matrix: Solid

Date Received: 11/13/23 08:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<4.00		4.00		ug/L		11/16/23 09:57	11/27/23 21:39	1
PCB-1221	<4.00		4.00		ug/L		11/16/23 09:57	11/27/23 21:39	1
PCB-1232	<4.00		4.00		ug/L		11/16/23 09:57	11/27/23 21:39	1
PCB-1242	<4.00		4.00		ug/L		11/16/23 09:57	11/27/23 21:39	1
PCB-1248	<4.00		4.00		ug/L		11/16/23 09:57	11/27/23 21:39	1
PCB-1254	<4.00		4.00		ug/L		11/16/23 09:57	11/27/23 21:39	1
PCB-1260	<4.00		4.00		ug/L		11/16/23 09:57	11/27/23 21:39	1
PCB-1268	<4.00		4.00		ug/L		11/16/23 09:57	11/27/23 21:39	1
Polychlorinated biphenyls, Total	<4.00		4.00		ug/L		11/16/23 09:57	11/27/23 21:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	46		11 - 122				11/16/23 09:57	11/27/23 21:39	1
Tetrachloro-m-xylene	55		23 - 123				11/16/23 09:57	11/27/23 21:39	1

Method: SW846 6010D - Met	als (ICP) - TCLP								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.100		0.100		mg/L		11/16/23 10:40	11/17/23 13:29	1
Barium	0.524		0.200		mg/L		11/16/23 10:40	11/17/23 13:29	1
Cadmium	0.0630		0.0200		mg/L		11/16/23 10:40	11/17/23 13:29	1
Chromium	0.0308		0.0200		mg/L		11/16/23 10:40	11/17/23 13:29	1
Lead	1.69		0.100		mg/L		11/16/23 10:40	11/17/23 13:29	1
Selenium	<0.100		0.100		mg/L		11/16/23 10:40	11/17/23 13:29	1
Silver	<0.0500		0.0500		mg/L		11/16/23 10:40	11/17/23 13:29	1
	cury (CVAA) - TCLF								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00200		0.00200		mg/L		11/17/23 12:09	11/20/23 12:30	1

General Chemistry							
Analyte	Result Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
BTU (ASTM D240-87)	6830	500	BTU/lb			11/26/23 11:20	1
Flashpoint (ASTM D92)	>200	65.0	Degrees F			11/21/23 16:41	1

Analyte		Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.3 H	IF	1.0	SU			11/14/23 21:07	1

Lab Sample ID: 310-269481-1 Client Sample ID: 110623 PM Date Collected: 11/06/23 00:00 Matrix: Solid Date Received: 11/13/23 08:40 Percent Solids: 96.6

Analyte	Result C	Qualifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0518	0.0518		mg/Kg	<del>-</del>	11/21/23 12:29	11/28/23 14:39	1
PCB-1221	<0.0518	0.0518		mg/Kg	₽	11/21/23 12:29	11/28/23 14:39	1
PCB-1232	<0.0518	0.0518		mg/Kg	₽	11/21/23 12:29	11/28/23 14:39	1
PCB-1242	3.26	1.04		mg/Kg	₽	11/21/23 12:29	11/29/23 11:26	20
PCB-1248	<0.0518	0.0518		mg/Kg	₽	11/21/23 12:29	11/28/23 14:39	1
PCB-1254	<0.0518	0.0518		mg/Kg	₽	11/21/23 12:29	11/28/23 14:39	1
PCB-1260	<0.0518	0.0518		mg/Kg	₽	11/21/23 12:29	11/28/23 14:39	1
PCB-1268	<0.0518	0.0518		mg/Kg	₩	11/21/23 12:29	11/28/23 14:39	1

**Eurofins Cedar Falls** 

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# **Client Sample Results**

Client: Clayton County Recycling Job ID: 310-269481-1

Project/Site: 110623 PM

Halogens, Extractable Organic

(SW846 9023)

Client Sample ID: 110623 PM Lab Sample ID: 310-269481-1

Date Collected: 11/06/23 00:00 Matrix: Solid Date Received: 11/13/23 08:40

Percent Solids: 96.6

11/30/23 09:29

11/28/23 10:00

Surrogate  DCB Decachlorobiphenyl (Surr)  Tetrachloro-m-xylene	%Recovery 88 41	Limits 10 - 149 10 - 147		<b>Prepared</b> 11/21/23 12:29 11/21/23 12:29	Analyzed 11/28/23 14:39 11/28/23 14:39	<b>Dil Fac</b> 1
General Chemistry	Result Qualif	ier RL	MDL Unit	D Prepared	Analyzed	Dil Fac

517

mg/Kg

### **Lab Chronicle**

Client: Clayton County Recycling Job ID: 310-269481-1

Project/Site: 110623 PM

Client Sample ID: 110623 PM

Date Collected: 11/06/23 00:00 Date Received: 11/13/23 08:40

Lab Sample ID: 310-269481-1

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
TCLP	Leach	1311			406175	HSP8	EET CF	11/15/23 15:30 - 11/16/23 07:00 1
TCLP	Prep	3510C			406197	Y6AF	EET CF	11/16/23 09:57
TCLP	Analysis	8082A		1	407100	BW2O	EET CF	11/27/23 21:39
TCLP	Leach	1311			406185	HSP8	EET CF	11/15/23 15:30 - 11/16/23 07:00 1
TCLP	Prep	3010A			406241	KCK5	EET CF	11/16/23 10:40
TCLP	Analysis	6010D		1	406455	ZRI4	EET CF	11/17/23 13:29
TCLP	Leach	1311			406185	HSP8	EET CF	11/15/23 15:30 - 11/16/23 07:00 1
TCLP	Prep	7470A			406420	NFT2	EET CF	11/17/23 12:09
TCLP	Analysis	7470A		1	406628	NFT2	EET CF	11/20/23 12:30
Soluble	Leach	DI Leach			405999	D7CP	EET CF	11/14/23 17:46
Soluble	Analysis	9045D		1	406006	D7CP	EET CF	11/14/23 21:07
Total/NA	Analysis	D240-87		1	132479	PSC	EET HOU	11/26/23 11:20
Total/NA	Analysis	D92		1	406828	ENB7	EET CF	11/21/23 16:41

Client Sample ID: 110623 PM

Date Collected: 11/06/23 00:00

Date Received: 11/13/23 08:40

Lab Sample ID: 310-269481-1

**Matrix: Solid** Percent Solids: 96.6

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	3550B			406780	DZK8	EET CF	11/21/23 12:29
Total/NA	Analysis	8082A		20	407290	BW2O	EET CF	11/29/23 11:26
Total/NA	Prep	3550B			406780	DZK8	EET CF	11/21/23 12:29
Total/NA	Analysis	8082A		1	407136	BW2O	EET CF	11/28/23 14:39
Total/NA	Prep	9023			132743	ADL	EET HOU	11/28/23 10:00
Total/NA	Analysis	9023		1	133110	ADL	EET HOU	11/30/23 09:29

This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

### **Laboratory References:**

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

**Eurofins Cedar Falls** 

11/30/2023

### **Definitions/Glossary**

Client: Clayton County Recycling

Job ID: 310-269481-1

Project/Site: 110623 PM

### **Qualifiers**

### **General Chemistry**

HF Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

## **Glossary**

DLC

e result is reported on a dry weight basis
ence)
or additional Initial metals/anion analysis of the sample
r

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)

Decision Level 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

**Eurofins Cedar Falls** 

11/30/2023

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# **Accreditation/Certification Summary**

Client: Clayton County Recycling
Project/Site: 110623 PM
Job ID: 310-269481-1

### **Laboratory: Eurofins Cedar Falls**

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	<b>Expiration Date</b>
Colorado	Petroleum Storage Tank Program	IA100001 (OR)	09-29-24
Georgia	State	IA100001 (OR)	09-29-24
Illinois	NELAP	200024	11-30-24
lowa	State	007	12-01-23
Kansas	NELAP	E-10341	01-31-24
Minnesota	NELAP	019-999-319	12-31-23
Minnesota (Petrofund)	State	3349	01-18-24
North Dakota	State	R-186	09-29-24
Oregon	NELAP	IA100001	09-29-24

### **Laboratory: Eurofins Houston**

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-03-24
Florida	NELAP	E871002	06-30-24
Louisiana (All)	NELAP	03054	06-30-24
Oklahoma	NELAP	1306	08-31-24
Oklahoma	State	2023-139	08-31-24
Texas	NELAP	T104704215-23-53	06-30-24
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26

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### **Method Summary**

Client: Clayton County Recycling

Project/Site: 110623 PM

Method **Method Description** Protocol Laboratory 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography SW846 EET CF Metals (ICP) 6010D SW846 EET CF 7470A Mercury (CVAA) SW846 EET CF 9023 Organic Halides, Extractable (EOX) SW846 **EET HOU** 9045D рΗ SW846 EET CF D240-87 Heat of Combustion ASTM **EET HOU** D92 Flashpoint ASTM EET CF **TCLP Extraction** SW846 EET CF 1311 3010A Preparation, Total Metals SW846 EET CF Liquid-Liquid Extraction (Separatory Funnel) 3510C SW846 EET CF 3550B Ultrasonic Extraction SW846 EET CF 7470A Preparation, Mercury SW846 EET CF 9023 Preparation, EOX SW846 **EET HOU** 

### Protocol References:

DI Leach

ASTM = ASTM International

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

### Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Deionized Water Leaching Procedure

Job ID: 310-269481-1

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EET CF

ASTM

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# Environment Testing America



# Cooler/Sample Receipt and Temperature Log Form

Client information 社会的企业,不是一个企业的企业,在企业的企业,在企业的企业,在企业的企业。	Fallston Baradi
Client: Clayton Country Recycle no	
City/State: CITY Project:	
Receipt Information and the second se	st-decorate and the
Date/Time Received: DATE 11-13-23 TIME 40 Received By: MY	
Dellivery Type: ☑ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail	☐ Spee-Dee
☐ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_	
Condition of Cooler/Containers	<b>中部,图片中国</b> 中心
Sample(s) received in Cooler?	
Multiple Coolers?	
Cooler Custody Seals Present? Yes Mo If yes: Cooler custody seals intac No	t? Yes
Sample Custody Seals Present?  Yes Mo If yes: Sample custody seals inta	ct? Yes
Trip Blank Present?	n cooler? 🗼
Temperature Record 即應定要失文。需要是理想要兩個問題情報。如何言意,可能描述了那一种。對於學學學能	的。 1. 1
Coolant: Wet ice Blue ice Dry ice Other:	Z NONE
Thermometer ID: Correction Factor (°C):	
Temp Blank Temperature all ho temp blank, or temp blank temperature above criteria, proceed to Sample	Container Temperature
Uncorrected Temp (°C):  Corrected Temp (°C):	
Sample Container Temperature	和民國國際公司和公康
Container(s) used: CONTAINER 1 Plastic Bag  CONTAINER 2	
Uncorrected Temp 20.2	
Corrected Temp (°C): 20. →	
IEXCEPTIONS NOTED TO A SECRET	<b>阿拉斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯</b>
1) If temperature exceeds criteria, was sample(s) received same day of sampling?	es 🗌 No
	es 🗌 No
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers in (e.g., bulging septa, broken/cracked bottles, frozen solid?)	
Note: If yes, contact PM before proceeding. If no, proceed with login	
"Additional Comments 於學習過度學說。而是問題的意義,而是思想的人類的意思。	<b>阿斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯</b>
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Document: CED-P-SAM-FRM45521 Revision: 26

Date: 27 Jan 2022

11/30/2023

# **Chain of Custody Record**

COO No.	🤃 eurofins
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ł	En ronment Testing 2023
	nent
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	(20/2022 (20/2022
1	/30/2023

TX, 77477 TX, 77	Eurofins Cedar Falls 3019 Venture Way Cedar Falls   IA 50613 Phone: 319-277-2401 Fax: 319-277-2425  Client Information (Sub Contract Lab) Client Contact Shipping/Receiving Company: Eurofins Environment Testing South Centr Address: 4145 Greenbriar Dr Clay: Stafford	Chair Sampler  Phone:  Due Date Requested: 11/28/2023  TAT Requested (days):	Chain of Custody Record  Lab PM: Hummel, Metthy E-Mair Matthew, Humm Accrediation lays):	Record  Lab PM: Hummel, Matthew R E-Mail: Matthew:Hummel@e Accreditations Req		Record  Lab PM: Hummel, Matthew R  E-Mail: Accreditations Required (See note):  Analysis
Sample Date Time (C=Company)  Sample Date Time (C=Company)  Preservation, Code: X X X 10-269481-1)  11/5/23 Central Solid X X X 10-269481-1  11/5/23 Central Solid X X X X 10-269481-1  11/5/24 Central Solid X X X X X 10-269481-1  11/5/24 Central Solid X X X X X 10-269481-1  11/5/24 Central Solid	(Tel)	TAT Requested (days):  PO #:  PO #:  Project #:  31001320  SSOW#:	Sample	d Filtered Sample (Yes or No): form MS/MSD (Yes or No): /9023_Prep EOX	)_87_NP	naly:
ince laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation complisity of oes not currently maintain accreditation in the State of Origin listed above for analytis/stasts/matrix being analyted, the samples must be shipped back to the Eurofination strong status should be brought to Eurofina Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the filter formation of the Requested accreditations are current to date, return the filter formation of the Requested accreditations are current to date, return the filter formation of the Requested accreditations are current to date, return the filter filter formation of the Requested accreditations are current to date, return the filter filter formation of the Requested accreditations are current to date, return the filter filter formation of the Requested accreditations are current to date, return the filter filter formation of the Region of the	3 PM (310-269481-1)	<del> -  - {- }</del>	Preserva	×	×	
Primary Deliverable Rank: 1  Pate: Time:  Date: Time:  Date: Time:  Date: Time:  Date: Company  Company					++++	
ible Hazard Identification    Sample Disposa   Sample Di	Since laboratory accreditations are subject to change, Eurofins Environ atory does not currently maintain accreditation in the State of Origin liste distance in the State of Origin liste distance status should be brought to Eurofins Environment Testing North	ent Testing North Central, LLC pla sbove for analysis/tests/matrix bei	cas the ownership of method, and analyzed, the samples must if all requested accreditations a	inalyle & accreditation to the shipped back to the accurrent to date, in	on compliance the Eurofins eturn the sig	e upon or Environna ned Chai
Primary Deliverable Rank: 1    Date:   Date:   Tin     Date:   Company     Date:   Com	Possible Hazard Identification Unconfirmed			Sample D	Visposal (	A fee may be assessed if samples are retained longer than 1 month)
Inquished by Date: Time: Company Date: Time: Company Date: Company	Deliverable Requested: I II III, IV Other (specify)	Primary Deliverable Rar	<b>长</b> 1	Special In:	structions	s/QC Requirements
Date/Time: Company  Date/Time: Company	Relinquished by	776			of py:	
	Relinquished by			Receive	1 5 m	emud

# **Login Sample Receipt Checklist**

Client: Clayton County Recycling

Job Number: 310-269481-1

Login Number: 269481 List Source: Eurofins Cedar Falls

List Number: 1 Creator: Yang, Mary E

Creator: Yang, Mary E		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	False	
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.	N/A	

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# **Login Sample Receipt Checklist**

Client: Clayton County Recycling Job Number: 310-269481-1

Login Number: 269481 List Source: Eurofins Houston
List Number: 2 List Creation: 11/14/23 12:05 PM

Creator: Baker, Jeremiah

Question	Answer	Comment
		Common
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	True	

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<6mm (1/4").

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# PREPARED FOR

**ANALYTICAL REPORT** 

Attn: Gina Roys Clayton County Recycling 11645 Echo Avenue PO BOX 861 Monona, Iowa 52159

Generated 11/30/2023 8:07:57 PM

# **JOB DESCRIPTION**

110823 PM

# **JOB NUMBER**

310-269482-1

Eurofins Cedar Falls 3019 Venture Way Cedar Falls IA 50613

# **Eurofins Cedar Falls**

### **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 North Central, LLC Project Manager.

# **Authorization**

Generated 11/30/2023 8:07:57 PM

Authorized for release by Brian Graettinger, Business Unit Manager Brian.Graettinger@et.eurofinsus.com Designee for

Matthew Hummel, Project Manager I Matthew.Hummel@et.eurofinsus.com (319)595-2010

Client: Clayton County Recycling Project/Site: 110823 PM

Laboratory Job ID: 310-269482-1

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### **Case Narrative**

Client: Clayton County Recycling

Project/Site: 110823 PM

Job ID: 310-269482-1

Job ID: 310-269482-1

**Laboratory: Eurofins Cedar Falls** 

Narrative

Job Narrative 310-269482-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample 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 sample was received on 11/13/2023 8:40 AM. Unless otherwise noted below, the sample arrived in good condition. The temperature of the cooler at receipt time was 20.2°C

### **Receipt Exceptions**

The following sample was received at the laboratory outside the required temperature criteria: 110823 PM (310-269482-1). There was no cooling media present in the cooler. The client has been contacted regarding this issue and the laboratory was instructed to proceed with analysis.

### **PCBs**

Method 8082A: Tumbled in plastic due to matrix. 110823 PM (310-269482-1)

Method 8082A: Due to the matrix, the initial volume(s) used for the following sample deviated from the standard procedure: 110823 PM (310-269482-1). The reporting limits (RLs) have been adjusted proportionately.

Method 8082A: Surrogate recovery for the following sample was outside control limits: 110823 PM (310-269482-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

### Metals

Method 6010D: The following sample(s) was diluted due to the presence of an interferent. 110823 PM (310-269482-1). Elevated reporting limits (RLs) are provided.

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

### **General Chemistry**

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

Eurofins Cedar Falls 11/30/2023

# **Sample Summary**

Client: Clayton County Recycling

Project/Site: 110823 PM

Job ID: 310-269482-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-269482-1	110823 PM	Solid	11/08/23 00:00	11/13/23 08:40

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Job ID: 310-269482-1

Client: Clayton County Recycling Project/Site: 110823 PM

Client Sample ID: 110823 PM

Lab Sample ID: 310-269482-1 Date Collected: 11/08/23 00:00

Matrix: Solid

Date Received: 11/13/23 08:40

Selenium

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<4.00		4.00		ug/L		11/16/23 09:57	11/28/23 16:01	1
PCB-1221	<4.00		4.00		ug/L		11/16/23 09:57	11/28/23 16:01	1
PCB-1232	<4.00		4.00		ug/L		11/16/23 09:57	11/28/23 16:01	1
PCB-1242	<4.00		4.00		ug/L		11/16/23 09:57	11/28/23 16:01	1
PCB-1248	<4.00		4.00		ug/L		11/16/23 09:57	11/28/23 16:01	1
PCB-1254	<4.00		4.00		ug/L		11/16/23 09:57	11/28/23 16:01	1
PCB-1260	<4.00		4.00		ug/L		11/16/23 09:57	11/28/23 16:01	1
PCB-1268	<4.00		4.00		ug/L		11/16/23 09:57	11/28/23 16:01	1
Polychlorinated biphenyls, Total	<4.00		4.00		ug/L		11/16/23 09:57	11/28/23 16:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	47		11 - 122				11/16/23 09:57	11/28/23 16:01	1
Tetrachloro-m-xylene	44		23 - 123				11/16/23 09:57	11/28/23 16:01	1
-									
Method: SW846 6010D - Metals	s (ICP) - TCLP								
Method: SW846 6010D - Metals Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	• •	Qualifier		MDL	Unit mg/L	<u>D</u>	Prepared 11/16/23 10:40	Analyzed 11/17/23 13:51	Dil Fac
Analyte	Result	Qualifier		MDL		<u>D</u>			2
Analyte Arsenic Barium	Result   <0.200	Qualifier	0.200	MDL	mg/L	<u>D</u>	11/16/23 10:40	11/17/23 13:51	2
Analyte Arsenic	Result   <0.200   0.542	Qualifier	0.200 0.400	MDL	mg/L mg/L	<u>D</u>	11/16/23 10:40 11/16/23 10:40	11/17/23 13:51 11/17/23 13:51	

Silver -	<0.100		0.100		mg/L		11/16/23 10:40	11/17/23 13:51	2
- Method: SW846 7470A - Mercury	(CVAA) - TCLI	•							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00200		0.00200		mg/L		11/17/23 12:09	11/20/23 12:33	1
General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
BTU (ASTM D240-87)	<500		500		BTU/lb			11/26/23 11:20	1
Flashpoint (ASTM D92)	>200		65.0		Degrees F			11/21/23 16:41	1
General Chemistry - Soluble									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.1	HF	1.0		SU			11/14/23 21:13	1

0.200

mg/L

11/16/23 10:40

11/17/23 13:51

<0.200

Client Sample ID: 110823 PM Lab Sample ID: 310-269482-1 Date Collected: 11/08/23 00:00 Matrix: Solid Date Received: 11/13/23 08:40 Percent Solids: 92.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.105		0.105		mg/Kg	<del></del>	11/21/23 12:29	11/28/23 14:56	1
PCB-1221	<0.105		0.105		mg/Kg	₩	11/21/23 12:29	11/28/23 14:56	1
PCB-1232	<0.105		0.105		mg/Kg	₩	11/21/23 12:29	11/28/23 14:56	1
PCB-1242	8.93		2.10		mg/Kg	₽	11/21/23 12:29	11/29/23 11:39	20
PCB-1248	<0.105		0.105		mg/Kg	₩	11/21/23 12:29	11/28/23 14:56	1
PCB-1254	<0.105		0.105		mg/Kg	₩	11/21/23 12:29	11/28/23 14:56	1
PCB-1260	<0.105		0.105		mg/Kg	₽	11/21/23 12:29	11/28/23 14:56	1
PCB-1268	<0.105		0.105		mg/Kg	⇔	11/21/23 12:29	11/28/23 14:56	1

**Eurofins Cedar Falls** 

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11/30/2023

# **Client Sample Results**

Client: Clayton County Recycling Job ID: 310-269482-1

Project/Site: 110823 PM

Client Sample ID: 110823 PM Lab Sample ID: 310-269482-1

Date Collected: 11/08/23 00:00 Matrix: Solid Date Received: 11/13/23 08:40

Percent Solids: 92.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	1315	S1+	10 - 149	11/21/23 12:29	11/28/23 14:56	1
Tetrachloro-m-xylene	57		10 - 147	11/21/23 12:29	11/28/23 14:56	1
Conoral Chamiatry						

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Extractable Organic	<541		541		mg/Kg	<u></u>	11/28/23 10:00	11/30/23 09:29	1
(SW846 9023)									

## **Lab Chronicle**

Client: Clayton County Recycling

Job ID: 310-269482-1

Project/Site: 110823 PM

Client Sample ID: 110823 PM

Date Collected: 11/08/23 00:00 Date Received: 11/13/23 08:40 Lab Sample ID: 310-269482-1

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
TCLP	Leach	1311			406175	HSP8	EET CF	11/15/23 15:30 - 11/16/23 07:00 <sup>1</sup>
TCLP	Prep	3510C			406197	Y6AF	EET CF	11/16/23 09:57
TCLP	Analysis	8082A		1	407136	BW2O	EET CF	11/28/23 16:01
TCLP	Leach	1311			406185	HSP8	EET CF	11/15/23 15:30 - 11/16/23 07:00 1
TCLP	Prep	3010A			406241	KCK5	EET CF	11/16/23 10:40
TCLP	Analysis	6010D		2	406455	ZRI4	EET CF	11/17/23 13:51
TCLP	Leach	1311			406185	HSP8	EET CF	11/15/23 15:30 - 11/16/23 07:00 1
TCLP	Prep	7470A			406420	NFT2	EET CF	11/17/23 12:09
TCLP	Analysis	7470A		1	406628	NFT2	EET CF	11/20/23 12:33
Soluble	Leach	DI Leach			405999	D7CP	EET CF	11/14/23 17:46
Soluble	Analysis	9045D		1	406006	D7CP	EET CF	11/14/23 21:13
Total/NA	Analysis	D240-87		1	132479	PSC	EET HOU	11/26/23 11:20
Total/NA	Analysis	D92		1	406828	ENB7	EET CF	11/21/23 16:41

Client Sample ID: 110823 PM

Date Collected: 11/08/23 00:00

Date Received: 11/13/23 08:40

Lab Sample ID: 310-269482-1

Matrix: Solid Percent Solids: 92.5

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	3550B			406780	DZK8	EET CF	11/21/23 12:29
Total/NA	Analysis	8082A		20	407290	BW2O	EET CF	11/29/23 11:39
Total/NA	Prep	3550B			406780	DZK8	EET CF	11/21/23 12:29
Total/NA	Analysis	8082A		1	407136	BW2O	EET CF	11/28/23 14:56
Total/NA	Prep	9023			132743	ADL	EET HOU	11/28/23 10:00
Total/NA	Analysis	9023		1	133110	ADL	EET HOU	11/30/23 09:29

This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

#### **Laboratory References:**

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

**Eurofins Cedar Falls** 

## **Definitions/Glossary**

Client: Clayton County Recycling

Job ID: 310-269482-1

Project/Site: 110823 PM

#### **Qualifiers**

### **GC Semi VOA**

S1+ Surrogate recovery exceeds control limits, high biased.

#### **General Chemistry**

HF Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

## **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

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# **Accreditation/Certification Summary**

Client: Clayton County Recycling
Project/Site: 110823 PM
Job ID: 310-269482-1

## **Laboratory: Eurofins Cedar Falls**

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	<b>Expiration Date</b>
Colorado	Petroleum Storage Tank Program	IA100001 (OR)	09-29-24
Georgia	State	IA100001 (OR)	09-29-24
Illinois	NELAP	200024	11-30-24
lowa	State	007	12-01-23
Kansas	NELAP	E-10341	01-31-24
Minnesota	NELAP	019-999-319	12-31-23
Minnesota (Petrofund)	State	3349	01-18-24
North Dakota	State	R-186	09-29-24
Oregon	NELAP	IA100001	09-29-24

## **Laboratory: Eurofins Houston**

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-03-24
Florida	NELAP	E871002	06-30-24
Louisiana (All)	NELAP	03054	06-30-24
Oklahoma	NELAP	1306	08-31-24
Oklahoma	State	2023-139	08-31-24
Texas	NELAP	T104704215-23-53	06-30-24
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26

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## **Method Summary**

Client: Clayton County Recycling

Project/Site: 110823 PM

Method **Method Description** Protocol Laboratory 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography SW846 EET CF Metals (ICP) 6010D SW846 EET CF 7470A Mercury (CVAA) SW846 EET CF 9023 Organic Halides, Extractable (EOX) SW846 **EET HOU** 9045D рΗ SW846 EET CF D240-87 Heat of Combustion ASTM **EET HOU** D92 Flashpoint ASTM EET CF **TCLP Extraction** SW846 EET CF 1311 3010A Preparation, Total Metals SW846 EET CF Liquid-Liquid Extraction (Separatory Funnel) 3510C SW846 EET CF 3550B Ultrasonic Extraction SW846 EET CF 7470A Preparation, Mercury SW846 EET CF 9023 Preparation, EOX SW846 **EET HOU** 

#### Protocol References:

DI Leach

ASTM = ASTM International

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Deionized Water Leaching Procedure

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Job ID: 310-269482-1

EET CF

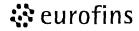
ASTM

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# **Environment Testing** America



# Cooler/Sample Receipt and Temperature Lug Form

Survivore to the Section of the Sect
Clent Information to the control of
Client: Clayton County Recycling
City/State: CITY Project:
Receipt Information (大)
Date/Time DATE TIME 10 Received By: MY
Delivery Type: ☑ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-De
☐ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:
Condition of Cooler/Containers。 高語學家 第14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Sample(s) received in Cooler?
Multiple Coolers?
Cooler Custody Seals Present?  Yes Mo If yes: Cooler custody seals intact?  Yes  No
Sample Custody Seals Present? ☐ Yes   ☑ No    If yes: Sample custody seals intact? ☐ Yes ☐ ☐ No
Trip Blank Present? Yes Y No If yes: Which VOA samples are in cooler? ↓
Temperature Record 開始的理學不同意認識是影響的影響的影響。由于自己的影響。所以不過過過學學學學學學學學學學學學學學學學學學學學學學學學學學學學學學學學學學
Coolant: Wet ice Blue ice Dry ice Other: V NONE
Thermometer ID: \( \text{ Correction Factor (°C): } \(  \)
Thermometer ID:  Correction Factor (°C):
Thermometer ID:  Correction Factor (°C):  Temp Blank Temperature if ho temp blank or temp blank temperature above criteria, proceed to Sample Container Temperature  Uncorrected Temp (°C):  Corrected Temp (°C):
Thermometer ID:  Correction Factor (°C):  Temp Blank Temperature II ho temp blank; or temp blank temperature above criteria, proceed to Sample Container Temperature  Uncorrected Temp (°C):  Corrected Temp (°C):  Container Temperature  CONTAINER 1  CONTAINER 2
Thermometer ID:  Temp Blank Temperature in ho temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature  Uncorrected Temp (°C):  Container Temperature  Container 1  Container 1  Container 2
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Eurofinspoagge Falls of 16

Document: CED-P-SAM-FRM45521

Revision: 26 Date: 27 Jan 2022

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11/30/2023

# **Chain of Custody Record**

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Environment Testing

Eurofins Cedar Falls												C	Y	ř															
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laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/lesis/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC alboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compilance to Eurofins Environment Testing North Central, LLC.	oove for analysis/lests ntral, LLC attention im	matrix being a mediately If a	naiyzed, the sa I requested acc	mples must be xeditations are	shippe curren	d back	to the	Eurofi I the	ns En signe	vironn d Cha	nentT in of (	ustoc	Nort y afte	sting	to sa	ig col	abora mplia	tory o	E S	er ing	Envi	) SUO	고 기술 기술	sting s	Nort	T Ce	마 라 의	CTC.	. 9
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Ver 06/08/2021

# **Login Sample Receipt Checklist**

Client: Clayton County Recycling

Job Number: 310-269482-1

Login Number: 269482 List Source: Eurofins Cedar Falls

List Number: 1 Creator: Yang, Mary E

Creator: Yang, Mary E		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	False	
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.	N/A	

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# **Login Sample Receipt Checklist**

Client: Clayton County Recycling Job Number: 310-269482-1

List Source: Eurofins Houston
List Number: 2
List Creation: 11/14/23 12:05 PM

Creator: Baker, Jeremiah

Question	Answer	Comment
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	True	

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