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PREPARED FOR

ANALYTICAL REPORT

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

Generated 3/10/2025 6:58:28 PM

JOB DESCRIPTION

021125 AM

JOB NUMBER

310-300543-1

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 3/10/2025 6:58:28 PM

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

Hannah Dietz, Project Manager I Hannah.Dietz@et.eurofinsus.com (319)277-2401 Client: Clayton County Recycling Project/Site: 021125 AM

Laboratory Job ID: 310-300543-1

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Case Narrative

Client: Clayton County Recycling

Project: 021125 AM

Job ID: 310-300543-1 Eurofins Cedar Falls

Job Narrative 310-300543-1

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 sample was received on 2/19/2025 9:35 AM. Unless otherwise noted below, the sample arrived in good condition.

CBs

Method 8082A - TCLP: The following sample was diluted due to the nature of the sample matrix: 021125 AM (310-300543-1). 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

Method 6010D - TCLP: The low level continuing calibration verification (CCVL) associated with batch 310-447411 recovered above the upper control limit for Silver. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 6010D - TCLP: The following sample(s) was diluted due to the presence of an interferent. 021125 AM (310-300543-1). 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

Job ID: 310-300543-1

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Sample Summary

Client: Clayton County Recycling

Project/Site: 021125 AM

Job ID: 310-300543-1

Lab Camada ID	01:t 0t- ID	M - Anto-	0-1141	Deschool
Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-300543-1	021125 AM	Solid	02/11/25 00:00	02/19/25 09:35

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Client Sample ID: 021125 AM

Date Collected: 02/11/25 00:00 Date Received: 02/19/25 09:35

General Chemistry - Soluble

Lab Sample ID: 310-300543-1

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.00359		0.00359		mg/L		02/20/25 12:25	03/03/25 15:19	2
PCB-1221	< 0.00359		0.00359		mg/L		02/20/25 12:25	03/03/25 15:19	2
PCB-1232	< 0.00359		0.00359		mg/L		02/20/25 12:25	03/03/25 15:19	2
PCB-1242	< 0.00359		0.00359		mg/L		02/20/25 12:25	03/03/25 15:19	2
PCB-1248	< 0.00359		0.00359		mg/L		02/20/25 12:25	03/03/25 15:19	2
PCB-1254	< 0.00359		0.00359		mg/L		02/20/25 12:25	03/03/25 15:19	2
PCB-1260	< 0.00359		0.00359		mg/L		02/20/25 12:25	03/03/25 15:19	2
PCB-1268	< 0.00359		0.00359		mg/L		02/20/25 12:25	03/03/25 15:19	2
Polychlorinated biphenyls, Total	<0.00359		0.00359		mg/L		02/20/25 12:25	03/03/25 15:19	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	97		11 - 122				02/20/25 12:25	03/03/25 15:19	2
Tetrachloro-m-xylene (Surr)	61		23 - 123				02/20/25 12:25	03/03/25 15:19	2

Tetrachloro-m-xylene (Surr) -	61		23 - 123				02/20/25 12:25	03/03/25 15:19	2
- Method: SW846 6010D - Meta	ls (ICP) - TCLP								
Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.500		0.500		mg/L		02/21/25 08:45	02/24/25 16:25	5
Barium	<1.00		1.00		mg/L		02/21/25 08:45	02/24/25 16:25	5
Cadmium	0.125		0.100		mg/L		02/21/25 08:45	02/24/25 16:25	5
Chromium	<0.100		0.100		mg/L		02/21/25 08:45	02/24/25 16:25	5
Lead	<0.500		0.500		mg/L		02/21/25 08:45	02/24/25 16:25	5
Selenium	<0.500		0.500		mg/L		02/21/25 08:45	02/24/25 16:25	5
Silver	<0.250	^3+	0.250		mg/L		02/21/25 08:45	02/24/25 16:25	5
Method: SW846 7470A - Merc	ury (CVAA) - TCLI	P							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00200		0.00200		mg/L		02/21/25 09:09	02/21/25 13:35	1
General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
BTU (ASTM D240-87)	<500		500		BTU/lb			03/08/25 06:28	1
Flashpoint (ASTM D92)	>202		65.0		Degrees F			02/26/25 15:43	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.7	HF	1.0		SU			02/25/25 11:49	1
Client Sample ID: 021125 AM							Lab Samp	ole ID: 310-30	0543-1

Date Collected: 02/11/25 00:00 **Matrix: Solid** Date Received: 02/19/25 09:35 Percent Solids: 79.1

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Extractable Organic	2180		608		mg/Kg	<u></u>	03/01/25 07:35	03/01/25 12:00	1
(SW846 9023)									

Lab Chronicle

Client: Clayton County Recycling

Job ID: 310-300543-1

Project/Site: 021125 AM

Client Sample ID: 021125 AM

Date Collected: 02/11/25 00:00

Date Received: 02/19/25 09:35

Lab Sample ID: 310-300543-1

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
TCLP	Leach	1311			447187	U8FK	EET CF	02/19/25 15:40 - 02/20/25 07:00 1
TCLP	Prep	3511			447264	AYK7	EET CF	02/20/25 12:25
TCLP	Analysis	8082A		2	447834	BW2O	EET CF	03/03/25 15:19
TCLP	Leach	1311			447187	U8FK	EET CF	02/19/25 15:40 - 02/20/25 07:00 ¹
TCLP	Prep	3010A			447223	F5MW	EET CF	02/21/25 08:45
TCLP	Analysis	6010D		5	447411	ZRI4	EET CF	02/24/25 16:25
TCLP	Leach	1311			447187	U8FK	EET CF	02/19/25 15:40 - 02/20/25 07:00 ¹
TCLP	Prep	7470A			447224	F5MW	EET CF	02/21/25 09:09
TCLP	Analysis	7470A		1	447339	F5MW	EET CF	02/21/25 13:35
Soluble	Leach	DI Leach			447452	T5AC	EET CF	02/25/25 10:21
Soluble	Analysis	9045D		1	447471	T5AC	EET CF	02/25/25 11:49
Total/NA	Analysis	D240-87		1	221211	PSC	EET HOU	03/08/25 06:28
Total/NA	Analysis	D92		1	447595	WZC8	EET CF	02/26/25 15:43

Client Sample ID: 021125 AM

Date Collected: 02/11/25 00:00

Date Received: 02/19/25 09:35

Lab Sample ID: 310-300543-1

Matrix: Solid Percent Solids: 79.1

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	9023			219731	PSC	EET HOU	03/01/25 07:35
Total/NA	Analysis	9023		1	219764	YG	EET HOU	03/01/25 12:00

¹ 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

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Definitions/Glossary

Client: Clayton County Recycling Job ID: 310-300543-1

Project/Site: 021125 AM

Qualifiers

Metals

Qualifier **Qualifier Description**

Reporting Limit Check Standard is outside acceptance limits, high biased

General Chemistry

Qualifier **Qualifier Description**

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.
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₩ 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 Contains No Free Liquid CNF

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)

Estimated Detection Limit (Dioxin) EDL LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

EPA recommended "Maximum Contaminant Level" MCL MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit MLMinimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

Not Detected at the reporting limit (or MDL or EDL if shown) ND

NEG Negative / Absent POS Positive / Present Practical Quantitation Limit POI

PRES Presumptive **Quality Control** QC

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

Accreditation/Certification Summary

Client: Clayton County Recycling

Job ID: 310-300543-1

Project/Site: 021125 AM

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	Expiration Date
Colorado	Petroleum Storage Tank Program	IA100001 (OR)	09-29-25
Georgia	State	IA100001 (OR)	09-29-25
Illinois	NELAP	200024	11-30-25
lowa	State	007	12-01-25
Kansas	NELAP	E-10341	01-31-26
Minnesota	NELAP	019-999-319	12-31-25
Minnesota (Petrofund)	State	3349	01-18-26
North Dakota	State	R-186	09-29-24 *
Oregon	NELAP	IA100001	09-29-25

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	08-04-25
Florida	NELAP	E871002	06-30-25
Louisiana (All)	NELAP	03054	12-20-25
Oklahoma	NELAP	1306	08-31-25
Texas	NELAP	T104704215	07-01-26
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26

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^{*} Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Cedar Falls

Method Summary

Client: Clayton County Recycling

Project/Site: 021125 AM

Job ID: 310-300543-1

Method	Method Description	Protocol	Laboratory
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET CF
6010D	Metals (ICP)	SW846	EET CF
7470A	Mercury (CVAA)	SW846	EET CF
9023	Organic Halides, Extractable (EOX)	SW846	EET HOU
9045D	pH	SW846	EET CF
D240-87	Heat of Combustion	ASTM	EET HOU
D92	Flashpoint	ASTM	EET CF
1311	TCLP Extraction	SW846	EET CF
8010A	Preparation, Total Metals	SW846	EET CF
3511	Microextraction of Organic Compounds	SW846	EET CF
7470A	Preparation, Mercury	SW846	EET CF
9023	Preparation, EOX	SW846	EET HOU
DI Leach	Deionized Water Leaching Procedure	ASTM	EET CF

Protocol References:

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 6

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Environment Testing America



Cooler/Sample Receipt and Temperature Log Form

Client information	
Clien: layton Courty	
City/State: STATE	Project.
Receipt Information	
Date/Time PATE 92X 0435	Received By:
Delivery Type: 💢 UPS 🔲 FedEx	☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☐ Lab Courier ☐ Lab Field Services	Client Drop-off Other:
Condition of Cooler/Containers	
Sample(s) received in Cooler?	If yes: Cooler ID:
Multiple Coolers?	If yes: Cooler # of
Cooler Custody Seals Present? Yes No	If yes: Cooler custody seals intact? Yes
Sample Custody Seals Present? Yes No	If yes: Sample custody seals intact?☐ Yes ☐
Trip Blank Present?	If yes: Which VOA samples are in cooler? ↓
Temperature Record	
Coolant: Wet ice Blue ice Dry ice	OtherNONE
Thermometer ID ⁻	Correction Factor (°C):
• Temp Blank Temperature – If no temp blank, or temp blank te	mperature above criteria, proceed to Sample Container Temperature
Uncorrected Temp (°C):	Corrected Temp (°C)·
Sample Container Temperature CONTAINED 1	CONTAINED 2
Container(s) used:	CONTAINER 2
Uncorrected Temp (°C)·	
Corrected Temp (°C):	
P N-1-1	
Exceptions Noted	
If temperature exceeds criteria, was sample(s) rece a) If yes: Is there evidence that the chilling process	
If temperature exceeds criteria, was sample(s) rece a) If yes: Is there evidence that the chilling process.	ss began?
If temperature exceeds criteria, was sample(s) rece a) If yes: Is there evidence that the chilling proces If temperature is <0°C, are there obvious signs that	t the integrity of sample containers is compromised?
 If temperature exceeds criteria, was sample(s) receal life yes: Is there evidence that the chilling process. If temperature is <0°C, are there obvious signs that (e.g., bulging septa, broken/cracked bottles, frozen) 	t the integrity of sample containers is compromised?
1) If temperature exceeds criteria, was sample(s) receable a) If yes: Is there evidence that the chilling process 2) If temperature is <0°C, are there obvious signs that (e.g., bulging septa, broken/cracked bottles, frozen Note If yes, contact PM before proceeding. If no, process.	t the integrity of sample containers is compromised?
1) If temperature exceeds criteria, was sample(s) receable a) If yes: Is there evidence that the chilling process 2) If temperature is <0°C, are there obvious signs that (e.g., bulging septa, broken/cracked bottles, frozen Note If yes, contact PM before proceeding. If no, process.	t the integrity of sample containers is compromised?

Document CED-P-SAM-FRM45521 Revision 26 Date 27 Jan 2022

General temperature criteria is 0 to 6°C Bacteria temperature criteria is 0 to 10°C

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3/10/2025

Chain of Custody Record

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Lab PM: Carrier Tracking No(s): Dietz. Hannah E M/A Carrier Tracking No(s): N/A Analysis Requested X X X X Analysis Requested See no(s): Time: Received by Carrier Tracking No(s): Carrier Tracking No(s): N/A Analysis Requested Analysis Requested Analysis Requested Carrier Tracking No(s): N/A Analysis Requested		Relinquished by:	Reinquished by:	Reindustre by.	Empty Kit Relinquished by	Deliverable Requested: I II IV Other (specify)	Unconfirmed	aboratory does not currently maintain accreditation in the State of Origin liste socreditation status should be brought to Eurofins Environment Testing North	ote: Since laboratory accreditations are subject to change. Eurofins Environt					AND THE RESIDENCE OF THE PROPERTY OF THE PROPE		021125 AM (310-300543-1)		Sample Identification Client ID (Lab ID)	N/A	O21125 AM	N/A	281-240-4200(Tel)	State, Zip: 17X, 77477	City: Stafford	4145 Greenbriar Dr	Europany: Europany: Address: A	Shipping/Receiving	Client Information (Sub Contract Lab)	Euronns Cedar Falls 3019 Venture Way Cedar Falls, IA 50613 Phone: 319-277-2401 Fax: 319-277-2425
Chain of Custody Record Just Part		Date/Time;	Date/Time:	Date/Time:		Primary Delive		d above for analysis/tes Central LLC attention	nent Testing North Cer							2/11/25	\bigvee_{λ}	Sample Date	N/A	Project #: 31001320	N/A #	N/A #		TAT Requested	3/4/2025		N/A	N/A	
Of Custody Record Lab PAI:				152	Date:	erable Rank:		its/matrix being immediately. If	itral LLC places		-	+				Centrai	X								sted:				Chain
Company Recoved by Company C				N,		3		analyzed, the sai requested ac	the ownership							ရ	Preserva	Sample Type (C=comp, G=grab)						<i>A</i>					of Cus
Received by Recei		Company	Company	Company				amples must be cereditations an	of method, ana							Solid	tion Code:	Matrix (wawater S=solid, Camerbalol, BTaTassue, Asalr									Har	Diet	tody F
Analysis Requested Analys					Time:	Spe	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	shipped to	lyne & accr	1		1					X			-	-	0)				Accredita N/A	nah.Diet	z, Hanna	(eco
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Carrier Tracking No(s): Carrier Tracking No(s): COC No: 310-80665.1 Fage: Page 1 of 1 Loo #: Page 2 of 1 Loo #: Page 2 of 1 Loo #: Page 300-343-1 Preservation Common out subcombact laboratories. This sample shipment is forwarded under Environment Testing North Central, LC abstratory or other instructions will be pred Chain of Custody attesting to said compliance to Suronine Environment its forwarded under Environment its said compliance to Suronine Environment its forwarded under Environment its said compliance to Suronine Environment its forwarded under Environment its forw	•	/\{ /\{	ş.	β		uctions	posal (Eurofins	ineliano	1	1	1			7	1								\exists		uired (Se	rofinsu		
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GCC No: 310-80665.1 Page: Page 1 of 1 Job # 310-300543-1 Preservation C This sample shipment is forwarded under LLC laboratory or other instructions will be said compliance to Eurofine Environment 7e. Samples are retained longer than Lab Archive For Date/Time: Date/Time:					Method		sed if	Central sting to s	oratories		_	-			 _	1											of Origin	er Tracki	NEW.
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Stafford State, Zip: TX, 77477

Euronns Carisbad

1089 N Canal St.

Chain of Custody Record

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Carlsbad, NM 88220 Phone: 575-988-3199 Fax: 575-988-3199 Note; Since laboratory accreditations are subject to change, Eurofine Environment Testing South 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 currently maintain accreditation in the State of Origin isted above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC. PH 07 (890-7691-1) Project Name: POKER LAKE UNIT 30 281-240-4200(Tel) 4145 Greenbriar Dr Client Information (Sub Contract Lab) Sample Identification - Client ID (Lab ID) Deliverable Requested: I II III, IV Other (specify) Possible Hazard Identification urofins Environment Testing South Centr Custody Seals Intact

A Yes A No slinguished by: hpping/Receiving noty Kit Relinquished by 19 BS 154 H Custody Seal No. Date/Time:
Date/Time: Project #: 89000093 Phone N/A # <u>×</u> Date/Time: Š TAT Requested (days) Primary Deliverable Rank: 2 2/18/25 Date: Mountain Sample Time 09:40 Š (C=Comp, Omesticon, G=grab) | BT=Tiasue, Analy) Sample Type Preservation Code: **(**) Company Company Company Matrix Solid Kramer Jessica E-Mail: Jessica, Kramer@et eurofinsus.com
Accreditations Required (See note): Time: Field Filtered Sample (Yes or No) NELAP Texas Perform MS/MSD (Yes or No) Special Instructions/QC Requirements Received by: Cooler Température(s) °C and Other Remarks: Received by: Received by: TX_1006/TX_1005_S_Prep Standard List Return To Client Analysis Requested Disposal By Lab New Mexico State of Origin: Method of Shipment یک Date/Time: P37-47.2 Total Number of containers 111 COC No: 890-4603.1 Page: Page 1 of 1 90-7691-1 Special Instructions/Note: Ver- 10/10/2024 Company Company Months

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Chain of Custody Record

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M.

Eurofins Denver 4955 Yarrow Street Arvada, CO 80002 Phone: 303-736-0100 Fax: 303-431-7171 Client Information (Sub Contract Lab) Client Contact Shipping/Receiving Company: Eurofins Environment Testing South Centr Address: 4145/Greenbriar Dr Stafford State, Zip: Stafford State, Zip: TX, 77477	er ate Reques 2025	Chain of Custody Record Lab PM: Collins, Janice : E-Mail: Janice Collins@ Accrediation N/A says): N/A	stody Rec	Record Las PA: Collins, Janice S E-Mail: Janice Collins@et eurofinsus.com Accreditations Required (See note): N/A Analy	<u> </u>	27 Para	Carrier Tracking No(s): N/A State of Origin: W/yoming Requested
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Chain of Custody Record

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Client Contact Shipping/Receiving	Phone: N/A			E-Mai Janice.Collins@et.eurofinsus.com	s@et.eurof	insus.com	W. ets	State of Origin: Wyoming			Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr				Accredita N/A	Accreditations Required (See note): N/A	(See note):		j			Job#: 280-203176-1
Address: 4145 Greenbriar Dr	Due Date Requested: 3/24/2025	:				Analys	is Requested	sted			Preservation Codes:
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State, Zip: TX, 77477				Ž.							
Phone: 281-240-4200(Tel)	N/A)							
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lient Information (Sub Contract Lab)	Sampler N/A			Collins, Janice	es		Carrier Tracking No(s): N/A	g No(s):	COC No: 280-734936,1	936.1
Client Contact Shipping/Receiving	Phone: N/A			E-Mail: Janice.Collins	E-Mail: Janice.Collins@et.eurofinsus.com	s.com	State of Origin: Wyoming		Page: Page 1 of 1	of 1
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Login Sample Receipt Checklist

Client: Clayton County Recycling

Job Number: 310-300543-1

Login Number: 300543 List Source: Eurofins Cedar Falls

List Number: 1

Creator: Homolar, Dana J

Creator: Homolar, Dana J		
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.	N/A	
Cooler Temperature is recorded.	N/A	
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: 310-300543-1

Login Number: 300543 List Source: Eurofins Houston
List Number: 2 List Creation: 02/20/25 01:12 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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<6mm (1/4").

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/10/2025 7:10:03 PM

JOB DESCRIPTION

021125 PM

JOB NUMBER

310-300544-1

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 3/10/2025 7:10:03 PM

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

Hannah Dietz, Project Manager I <u>Hannah.Dietz@et.eurofinsus.com</u> (319)277-2401 Client: Clayton County Recycling Project/Site: 021125 PM

Laboratory Job ID: 310-300544-1

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Method Summary	10
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Case Narrative

Client: Clayton County Recycling

Project: 021125 PM

Job ID: 310-300544-1 **Eurofins Cedar Falls**

> Job Narrative 310-300544-1

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 sample was received on 2/19/2025 9:53 AM. Unless otherwise noted below, the sample arrived in good condition.

Method 8082A - TCLP: The surrogate recovery for the blank associated with preparation batch 310-447187 and 310-447264 and analytical batch 310-447252 was outside the upper control limits.

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

Method 6010D - TCLP: The low level continuing calibration verification (CCVL) associated with batch 310-447411 recovered above the upper control limit for Silver. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 6010D - TCLP: The following sample(s) was diluted due to the presence of an interferent. 021125 PM (310-300544-1). 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

3/10/2025

Page 4 of 14

Job ID: 310-300544-1

Sample Summary

Client: Clayton County Recycling

Project/Site: 021125 PM

Job ID: 310-300544-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-300544-1	021125 PM	Solid	02/11/25 00:00	02/19/25 09:53

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Job ID: 310-300544-1

Client: Clayton County Recycling Project/Site: 021125 PM

Client Sample ID: 021125 PM

Lab Sample ID: 310-300544-1

Matrix: Solid

Date Collected: 02/11/25 00:00 Date Received: 02/19/25 09:53

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.00182		0.00182		mg/L		02/20/25 12:25	02/20/25 16:29	1
PCB-1221	<0.00182		0.00182		mg/L		02/20/25 12:25	02/20/25 16:29	1
PCB-1232	<0.00182		0.00182		mg/L		02/20/25 12:25	02/20/25 16:29	1
PCB-1242	<0.00182		0.00182		mg/L		02/20/25 12:25	02/20/25 16:29	1
PCB-1248	<0.00182		0.00182		mg/L		02/20/25 12:25	02/20/25 16:29	1
PCB-1254	<0.00182		0.00182		mg/L		02/20/25 12:25	02/20/25 16:29	1
PCB-1260	<0.00182		0.00182		mg/L		02/20/25 12:25	02/20/25 16:29	1
PCB-1268	<0.00182		0.00182		mg/L		02/20/25 12:25	02/20/25 16:29	1
Polychlorinated biphenyls, Total	<0.00182		0.00182		mg/L		02/20/25 12:25	02/20/25 16:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)			11 - 122				02/20/25 12:25	02/20/25 16:29	1
Tetrachloro-m-xylene (Surr)	101		23 - 123				02/20/25 12:25	02/20/25 16:29	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.200		0.200		mg/L		02/21/25 08:45	02/24/25 16:27	2
Barium	<0.400		0.400		mg/L		02/21/25 08:45	02/24/25 16:27	2
Cadmium	0.0864		0.0400		mg/L		02/21/25 08:45	02/24/25 16:27	2
Chromium	0.0479		0.0400		mg/L		02/21/25 08:45	02/24/25 16:27	2
Lead	<0.200		0.200		mg/L		02/21/25 08:45	02/24/25 16:27	2
			0.000		mg/L		02/21/25 08:45	02/24/25 16:27	2
Selenium	<0.200		0.200		g/ =		02/2 1/20 001.10		
Selenium Silver Method: SW846 7470A - Mere	<0.100		0.100		mg/L		02/21/25 08:45	02/24/25 16:27	
Silver Method: SW846 7470A - Merc	<0.100	•	0.100	MDI	mg/L		02/21/25 08:45	02/24/25 16:27	2
Silver Method: SW846 7470A - Mero Analyte	<0.100 Cury (CVAA) - TCLF Result		0.100	MDL	mg/L Unit	<u>D</u>	02/21/25 08:45 Prepared	02/24/25 16:27 Analyzed	2 Dil Fac
Silver Method: SW846 7470A - Merc	<0.100	•	0.100	MDL	mg/L	<u>D</u>	02/21/25 08:45	02/24/25 16:27	2
Silver Method: SW846 7470A - Mero Analyte	<0.100 Cury (CVAA) - TCLF Result	•	0.100	MDL	mg/L Unit	<u>D</u>	02/21/25 08:45 Prepared	02/24/25 16:27 Analyzed	2
Method: SW846 7470A - Mero Analyte Mercury	<0.100 CUTY (CVAA) - TCLF	•	0.100	MDL RL	mg/L Unit	<u>D</u>	02/21/25 08:45 Prepared	02/24/25 16:27 Analyzed	2
Method: SW846 7470A - Merc Analyte Mercury General Chemistry	<0.100 CUTY (CVAA) - TCLF	Qualifier	0.100 RL 0.00200		mg/L Unit mg/L		02/21/25 08:45 Prepared 02/21/25 09:09	02/24/25 16:27 Analyzed 02/21/25 13:38	Dil Fac

Analyte	Result	Qualifier	RL	RL	Unit	D)	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8	HF	1.0		SU				02/25/25 11:53	1
Client Sample ID: 021125 PM								Lab Samp	le ID: 310-30	0544-1

Date Collected: 02/11/25 00:00 Matrix: Solid
Date Received: 02/19/25 09:53 Percent Solids: 90.2

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Extractable Organic	3240		533		mg/Kg	<u></u>	03/01/25 07:35	03/01/25 12:27	1
_(SW846 9023)									

Eurofins Cedar Falls

Lab Chronicle

Client: Clayton County Recycling Job ID: 310-300544-1

Project/Site: 021125 PM

Client Sample ID: 021125 PM

Date Collected: 02/11/25 00:00 Date Received: 02/19/25 09:53 Lab Sample ID: 310-300544-1

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
TCLP	Leach	1311			447187	U8FK	EET CF	02/19/25 15:40 - 02/20/25 07:00 1
TCLP	Prep	3511			447264	AYK7	EET CF	02/20/25 12:25
TCLP	Analysis	8082A		1	447252	BW2O	EET CF	02/20/25 16:29
TCLP	Leach	1311			447187	U8FK	EET CF	02/19/25 15:40 - 02/20/25 07:00 1
TCLP	Prep	3010A			447223	F5MW	EET CF	02/21/25 08:45
TCLP	Analysis	6010D		2	447411	ZRI4	EET CF	02/24/25 16:27
TCLP	Leach	1311			447187	U8FK	EET CF	02/19/25 15:40 - 02/20/25 07:00 1
TCLP	Prep	7470A			447224	F5MW	EET CF	02/21/25 09:09
TCLP	Analysis	7470A		1	447339	F5MW	EET CF	02/21/25 13:38
Soluble	Leach	DI Leach			447452	T5AC	EET CF	02/25/25 10:21
Soluble	Analysis	9045D		1	447471	T5AC	EET CF	02/25/25 11:53
Total/NA	Analysis	D240-87		1	221211	PSC	EET HOU	03/08/25 06:28
Total/NA	Analysis	D92		1	447595	WZC8	EET CF	02/26/25 15:43

Client Sample ID: 021125 PM

Date Collected: 02/11/25 00:00 Date Received: 02/19/25 09:53 Lab Sample ID: 310-300544-1

Matrix: Solid Percent Solids: 90.2

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	9023			219731	PSC	EET HOU	03/01/25 07:35
Total/NA	Analysis	9023		1	219764	YG	EET HOU	03/01/25 12:27

¹ 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

3/10/2025

Definitions/Glossary

Client: Clayton County Recycling

Job ID: 310-300544-1

Project/Site: 021125 PM

Qualifiers

Metals

Qualifier Description

^3+ Reporting Limit Check Standard is outside acceptance 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 Job ID: 310-300544-1 Project/Site: 021125 PM

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	Expiration Date
Colorado	Petroleum Storage Tank Program	IA100001 (OR)	09-29-25
Georgia	State	IA100001 (OR)	09-29-25
Illinois	NELAP	200024	11-30-25
lowa	State	007	12-01-25
Kansas	NELAP	E-10341	01-31-26
Minnesota	NELAP	019-999-319	12-31-25
Minnesota (Petrofund)	State	3349	01-18-26
North Dakota	State	R-186	09-29-24 *
Oregon	NELAP	IA100001	09-29-25

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	sas DEQ State		08-04-25	
Florida	NELAP	E871002	06-30-25	
Louisiana (All)	NELAP	03054	12-20-25	
Oklahoma	NELAP	1306	08-31-25	
Texas	NELAP	T104704215	07-01-26	
Texas	TCEQ Water Supply	T104704215	12-28-25	
USDA	US Federal Programs	525-23-79-79507	03-20-26	

 $^{\star} \ \text{Accreditation/Certification renewal pending - accreditation/certification considered valid}.$

Method Summary

Client: Clayton County Recycling

Project/Site: 021125 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 Microextraction of Organic Compounds 3511 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: 310-300544-1

EET CF

ASTM

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Environment Testing America



Cooler/Sample Receipt and Temperature Log Form

Client normation	1			
Client layton County				
City/State. Mound STATE	Project:			
Receipt Information	``			
Date/Time Received: DATE 925 DE 35	Received By:			
Delivery Type: 🛛 UPS 🔲 FedEx	☐ FedEx Ground ☐ US Mail ☐ Spee-Dee			
☐ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other				
Condition of Cooler/Containers				
Sample(s) received in Cooler?	If yes: Cooler ID.			
Multiple Coolers? Yes X No	If yes: Cooler # of			
Cooler Custody Seals Present? Yes You If yes: Cooler custody seals intact? Yes				
Sample Custody Seals Present? Yes No	If yes: Sample custody seals intact?☐ Yes ☐			
Trip Blank Present?	If yes: Which VOA samples are in cooler? ↓			
Temperature Record				
Coolant.	rice Other:NONE			
Thermometer ID [*]	Correction Factor (°C):			
• Temp Blank Temperature – If no temp blank, or temp blan	nk temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C):	Corrected Temp (°C):			
Sample Container Temperature				
Container(s) used.	CONTAINER 2			
Uncorrected Temp (°C):				
Corrected Temp (°C):				
Exceptions Noted ** ***	}			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? Yes No a) If yes: Is there evidence that the chilling process began? Yes 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, frozen solid?)				
Note. If yes, contact PM before proceeding. If no, proceed with login				
Additional Comments (1)				
•				
I				

Document CED-P-SAM-FRM45521 Revision 26 Date: 27 Jan 2022

General temperature criteria is 0 to 6°C Bacteria temperature criteria is 0 to 10°C

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Qi aldunas Page 12 of

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3/10/2025

Shipped Via: -Received for TestAmerica by:

Login Sample Receipt Checklist

Client: Clayton County Recycling

Job Number: 310-300544-1

Login Number: 300544 List Source: Eurofins Cedar Falls

List Number: 1

Creator: Homolar, Dana J

Cleator. Holifolal, Dalla 3			
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.	N/A		
Cooler Temperature is recorded.	N/A		
COC is present.	True		
COC is filled out in ink and legible.	True		
COC is filled out with all pertinent information.	True		
ls 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: 310-300544-1

Login Number: 300544
List Source: Eurofins Houston
List Number: 2
List Creation: 02/20/25 01:12 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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<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 3/10/2025 7:17:13 PM

JOB DESCRIPTION

021225 PM

JOB NUMBER

310-300547-1

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 3/10/2025 7:17:13 PM

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

Hannah.Dietz@et.eurofinsus.com (319)277-2401 Client: Clayton County Recycling Project/Site: 021225 PM

Laboratory Job ID: 310-300547-1

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Case Narrative

Client: Clayton County Recycling

Project: 021225 PM

Job ID: 310-300547-1 **Eurofins Cedar Falls**

> Job Narrative 310-300547-1

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 sample was received on 2/19/2025 9:35 AM. Unless otherwise noted below, the sample arrived in good condition.

Method 8082A - TCLP: The surrogate recovery for the blank associated with preparation batch 310-447187 and 310-447264 and analytical batch 310-447252 was outside the upper control limits.

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

Method 6010D - TCLP: The low level continuing calibration verification (CCVL) associated with batch 310-447411 recovered above the upper control limit for Silver. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 6010D - TCLP: The following sample(s) was diluted due to the presence of an interferent. 021225 PM (310-300547-1). 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

Job ID: 310-300547-1

Sample Summary

Client: Clayton County Recycling

Project/Site: 021225 PM

Job ID: 310-300547-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-300547-1	021225 PM	Solid	02/12/25 00:00	02/19/25 09:35

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Client: Clayton County Recycling Project/Site: 021225 PM

Client Sample ID: 021225 PM

Date Collected: 02/12/25 00:00 Date Received: 02/19/25 09:35 Lab Sample ID: 310-300547-1

Matrix: Solid

Job ID: 310-300547-1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.00179		0.00179		mg/L		02/20/25 12:25	02/20/25 16:42	1
PCB-1221	<0.00179		0.00179		mg/L		02/20/25 12:25	02/20/25 16:42	1
PCB-1232	<0.00179		0.00179		mg/L		02/20/25 12:25	02/20/25 16:42	1
PCB-1242	<0.00179		0.00179		mg/L		02/20/25 12:25	02/20/25 16:42	1
PCB-1248	< 0.00179		0.00179		mg/L		02/20/25 12:25	02/20/25 16:42	1
PCB-1254	< 0.00179		0.00179		mg/L		02/20/25 12:25	02/20/25 16:42	1
PCB-1260	<0.00179		0.00179		mg/L		02/20/25 12:25	02/20/25 16:42	1
PCB-1268	<0.00179		0.00179		mg/L		02/20/25 12:25	02/20/25 16:42	1
Polychlorinated biphenyls, Total	<0.00179		0.00179		mg/L		02/20/25 12:25	02/20/25 16:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	93		11 - 122				02/20/25 12:25	02/20/25 16:42	1
Tetrachloro-m-xylene (Surr)	82		23 - 123				02/20/25 12:25	02/20/25 16:42	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.200		0.200		mg/L		02/21/25 08:45	02/24/25 16:31	
Barium	<0.400		0.400		mg/L		02/21/25 08:45	02/24/25 16:31	2
Cadmium	0.0796		0.0400		mg/L		02/21/25 08:45	02/24/25 16:31	2
Chromium	0.125		0.0400		mg/L		02/21/25 08:45	02/24/25 16:31	2
Lead	<0.200		0.200		mg/L		02/21/25 08:45	02/24/25 16:31	2
Selenium	<0.200		0.200		mg/L		02/21/25 08:45	02/24/25 16:31	2
Silver	<0.100	^3+	0.100		mg/L		02/21/25 08:45	02/24/25 16:31	2
Method: SW846 7470A -	Mercury (CVAA) - TCLI	-							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Managemen	-0.0000		0.00000				00/04/05 00 00	00/04/05 40 40	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00200		0.00200		mg/L		02/21/25 09:09	02/21/25 13:46	1
General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
BTU (ASTM D240-87)	557		500		BTU/lb			03/08/25 14:06	1
Flashpoint (ASTM D92)	>202		65.0		Degrees F			02/26/25 15:43	1
General Chemistry - Soluble									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.7	HE	1.0		SU			02/25/25 11:55	1

 Client Sample ID: 021225 PM
 Lab Sample ID: 310-300547-1

 Date Collected: 02/12/25 00:00
 Matrix: Solid

 Date Received: 02/19/25 09:35
 Percent Solids: 87.7

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Extractable Organic	5840		518		mg/Kg	₩	03/01/25 07:35	03/01/25 13:00	1
(SW846 9023)									

Lab Chronicle

Client: Clayton County Recycling Job ID: 310-300547-1

Project/Site: 021225 PM

Client Sample ID: 021225 PM

Date Collected: 02/12/25 00:00 Date Received: 02/19/25 09:35 Lab Sample ID: 310-300547-1

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
TCLP	Leach	1311			447187	U8FK	EET CF	02/19/25 15:40 - 02/20/25 07:00 1
TCLP	Prep	3511			447264	AYK7	EET CF	02/20/25 12:25
TCLP	Analysis	8082A		1	447252	BW2O	EET CF	02/20/25 16:42
TCLP	Leach	1311			447187	U8FK	EET CF	02/19/25 15:40 - 02/20/25 07:00 1
TCLP	Prep	3010A			447223	F5MW	EET CF	02/21/25 08:45
TCLP	Analysis	6010D		2	447411	ZRI4	EET CF	02/24/25 16:31
TCLP	Leach	1311			447187	U8FK	EET CF	02/19/25 15:40 - 02/20/25 07:00 1
TCLP	Prep	7470A			447224	F5MW	EET CF	02/21/25 09:09
TCLP	Analysis	7470A		1	447339	F5MW	EET CF	02/21/25 13:46
Soluble	Leach	DI Leach			447452	T5AC	EET CF	02/25/25 10:21
Soluble	Analysis	9045D		1	447471	T5AC	EET CF	02/25/25 11:55
Total/NA	Analysis	D240-87		1	221215	PSC	EET HOU	03/08/25 14:06
Total/NA	Analysis	D92		1	447595	WZC8	EET CF	02/26/25 15:43

Client Sample ID: 021225 PM

Date Collected: 02/12/25 00:00 Date Received: 02/19/25 09:35 Lab Sample ID: 310-300547-1

Matrix: Solid Percent Solids: 87.7

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	9023			219731	PSC	EET HOU	03/01/25 07:35
Total/NA	Analysis	9023		1	219764	YG	EET HOU	03/01/25 13:00

¹ 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

3/10/2025

Definitions/Glossary

Client: Clayton County Recycling

Job ID: 310-300547-1

Project/Site: 021225 PM

Qualifiers

Metals

Qualifier Qualifier Description

^3+ Reporting Limit Check Standard is outside acceptance 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.
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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: 021225 PM
Job ID: 310-300547-1

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	Expiration Date
Colorado	Petroleum Storage Tank Program	IA100001 (OR)	09-29-25
Georgia	State	IA100001 (OR)	09-29-25
Illinois	NELAP	200024	11-30-25
lowa	State	007	12-01-25
Kansas	NELAP	E-10341	01-31-26
Minnesota	NELAP	019-999-319	12-31-25
Minnesota (Petrofund)	State	3349	01-18-26
North Dakota	State	R-186	09-29-24 *
Oregon	NELAP	IA100001	09-29-25

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	08-04-25
Florida	NELAP	E871002	06-30-25
Louisiana (All)	NELAP	03054	12-20-25
Oklahoma	NELAP	1306	08-31-25
Texas	NELAP	T104704215	07-01-26
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26

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 $^{^{\}star} \ \text{Accreditation/Certification renewal pending - accreditation/certification considered valid}.$

Method Summary

Client: Clayton County Recycling

Project/Site: 021225 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 Microextraction of Organic Compounds 3511 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: 310-300547-1

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EET CF

ASTM



Environment Testing America



Cooler/Sample Receipt and Temperature Log Form

Client	,				
client layton County					
City/State: Mound I TATE	Project:				
Receipt Information	1				
Date/Time Pare 1975 10 135	Received By:				
Delivery Type. 🛛 UPS 🔲 FedEx	☐ FedEx Ground ☐ US Mail ☐ Spee-Dee				
☐ Lab Courier ☐ Lab Field Services	S Client Drop-off Other:				
Condition of Cooler/Containers					
Sample(s) received in Cooler? Yes No	If yes: Cooler ID:				
Multiple Coolers?	If yes: Cooler # of				
Cooler Custody Seals Present? Yes No	If yes: Cooler custody seals intact? Yes				
Sample Custody Seals Present? Yes No	If yes: Sample custody seals intact? Yes				
Trip Blank Present?	If yes: Which VOA samples are in cooler? ↓				
Temperature Record					
Coolant: Wet ice Blue ice Dry ic	ce Other:NONE				
Thermometer ID	Correction Factor (°C):				
Temp Blank Temperature – If no temp blank, or temp blank to	temperature above criteria, proceed to Sample Container Temperature				
Uncorrected Temp (°C):	Corrected Temp (°C):				
Sample Container Temperature					
Container(s) used.	CONTAINER 2				
Uncorrected Temp (°C):					
Corrected Temp (°C):					
Exceptions Noted	1 1				
1) If temperature exceeds criteria, was sample(s) received same day of sampling? Yes No a) If yes: Is there evidence that the chilling process began? Yes 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, frozen solid?)					
Note. If yes, contact PM before proceeding. If no, proceed with login					
Additional Comments " (1))					

Document CED-P-SAM-FRM45521 Revision 26 Date 27 Jan 2022

General temperature criteria is 0 to 6°C Bacteria temperature criteria is 0 to 10° C

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Login Sample Receipt Checklist

Client: Clayton County Recycling

Job Number: 310-300547-1

Login Number: 300547 List Source: Eurofins Cedar Falls

List Number: 1

Creator: Homolar, Dana J

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.	N/A	
Cooler Temperature is recorded.	N/A	
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: 310-300547-1

Login Number: 300547 **List Source: Eurofins Houston** List Number: 2 List Creation: 02/20/25 01:12 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").