

 **ANALYTICAL REPORT****PREPARED FOR**

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

Generated 6/17/2024 8:50:55 AM

JOB DESCRIPTION

R052824

JOB NUMBER

310-282308-1

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



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6/17/2024 8:50:55 AM

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



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Case Narrative

Client: Clayton County Recycling
Project: R052824

Job ID: 310-282308-1

Job ID: 310-282308-1

Eurofins Cedar Falls

Job Narrative 310-282308-1

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 5/30/2024 8:50 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice.

Receipt Exceptions

The following sample was received at the laboratory outside the required temperature criteria: R052824 (310-282308-1). There was no cooling media present in the cooler.

PCBs

Method 8082A: The following sample was diluted due to the nature of the sample matrix: R052824 (310-282308-1). 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 following sample(s) was diluted due to the presence of an interferent. >: R052824 (310-282308-1). 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

Sample Summary

Client: Clayton County Recycling
Project/Site: R052824

Job ID: 310-282308-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-282308-1	R052824	Solid	05/28/24 00:00	05/30/24 08:50

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Client Sample Results

Client: Clayton County Recycling
Project/Site: R052824

Job ID: 310-282308-1

Client Sample ID: R052824

Lab Sample ID: 310-282308-1

Date Collected: 05/28/24 00:00

Matrix: Solid

Date Received: 05/30/24 08:50

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.00189		0.00189		mg/L		06/05/24 08:57	06/06/24 19:11	1
PCB-1221	<0.00189		0.00189		mg/L		06/05/24 08:57	06/06/24 19:11	1
PCB-1232	<0.00189		0.00189		mg/L		06/05/24 08:57	06/06/24 19:11	1
PCB-1242	<0.00189		0.00189		mg/L		06/05/24 08:57	06/06/24 19:11	1
PCB-1248	<0.00189		0.00189		mg/L		06/05/24 08:57	06/06/24 19:11	1
PCB-1254	<0.00189		0.00189		mg/L		06/05/24 08:57	06/06/24 19:11	1
PCB-1260	<0.00189		0.00189		mg/L		06/05/24 08:57	06/06/24 19:11	1
PCB-1268	<0.00189		0.00189		mg/L		06/05/24 08:57	06/06/24 19:11	1
Polychlorinated biphenyls, Total	<0.00189		0.00189		mg/L		06/05/24 08:57	06/06/24 19:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	90		11 - 122				06/05/24 08:57	06/06/24 19:11	1
Tetrachloro-m-xylene (Surr)	88		23 - 123				06/05/24 08:57	06/06/24 19:11	1

Method: SW846 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.200		0.200		mg/L		06/06/24 09:30	06/07/24 10:44	2
Barium	0.579		0.400		mg/L		06/06/24 09:30	06/07/24 10:44	2
Cadmium	0.136		0.0400		mg/L		06/06/24 09:30	06/07/24 10:44	2
Chromium	<0.0400		0.0400		mg/L		06/06/24 09:30	06/07/24 10:44	2
Lead	0.939		0.200		mg/L		06/06/24 09:30	06/07/24 10:44	2
Selenium	<0.200		0.200		mg/L		06/06/24 09:30	06/07/24 10:44	2
Silver	<0.100		0.100		mg/L		06/06/24 09:30	06/07/24 10:44	2

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00200		0.00200		mg/L		06/10/24 16:27	06/12/24 14:10	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
BTU (ASTM D240-87)	<500		500		BTU/lb			06/02/24 12:49	1
Flashpoint (ASTM D92)	>202		65.0		Degrees F			06/07/24 09:08	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.6	HF	1.0		SU			05/31/24 22:16	1

Client Sample ID: R052824

Lab Sample ID: 310-282308-1

Date Collected: 05/28/24 00:00

Matrix: Solid

Date Received: 05/30/24 08:50

Percent Solids: 81.0

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.132		0.132		mg/Kg	✱	06/05/24 13:03	06/08/24 10:07	1
PCB-1221	<0.132		0.132		mg/Kg	✱	06/05/24 13:03	06/08/24 10:07	1
PCB-1232	<0.132		0.132		mg/Kg	✱	06/05/24 13:03	06/08/24 10:07	1
PCB-1242	2.22		0.662		mg/Kg	✱	06/05/24 13:03	06/12/24 08:08	5
PCB-1248	<0.132		0.132		mg/Kg	✱	06/05/24 13:03	06/08/24 10:07	1
PCB-1254	<0.132		0.132		mg/Kg	✱	06/05/24 13:03	06/08/24 10:07	1
PCB-1260	<0.132		0.132		mg/Kg	✱	06/05/24 13:03	06/08/24 10:07	1
PCB-1268	<0.132		0.132		mg/Kg	✱	06/05/24 13:03	06/08/24 10:07	1

Eurofins Cedar Falls

Client Sample Results

Client: Clayton County Recycling
Project/Site: R052824

Job ID: 310-282308-1

Client Sample ID: R052824

Lab Sample ID: 310-282308-1

Date Collected: 05/28/24 00:00

Matrix: Solid

Date Received: 05/30/24 08:50

Percent Solids: 81.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	26		10 - 149	06/05/24 13:03	06/08/24 10:07	1
Tetrachloro-m-xylene	17		10 - 147	06/05/24 13:03	06/08/24 10:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Extractable Organic (SW846 9023)	<617		617		mg/Kg	☆	06/13/24 13:00	06/13/24 20:37	1

Lab Chronicle

Client: Clayton County Recycling
Project/Site: R052824

Job ID: 310-282308-1

Client Sample ID: R052824

Lab Sample ID: 310-282308-1

Date Collected: 05/28/24 00:00

Matrix: Solid

Date Received: 05/30/24 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			423536	D0DG	EET CF	06/04/24 15:00 - 06/05/24 08:00 ¹
TCLP	Prep	3511			423582	D2YP	EET CF	06/05/24 08:57
TCLP	Analysis	8082A		1	423738	BW2O	EET CF	06/06/24 19:11
TCLP	Leach	1311			423531	D0DG	EET CF	06/04/24 15:00 - 06/05/24 08:00 ¹
TCLP	Prep	3010A			423672	DHM5	EET CF	06/06/24 09:30
TCLP	Analysis	6010D		2	423961	ZRI4	EET CF	06/07/24 10:44
TCLP	Leach	1311			423531	D0DG	EET CF	06/04/24 15:00 - 06/05/24 08:00 ¹
TCLP	Prep	7470A			424101	A6US	EET CF	06/10/24 16:27
TCLP	Analysis	7470A		1	424367	A6US	EET CF	06/12/24 14:10
Soluble	Leach	DI Leach			423289	ZJX4	EET CF	05/31/24 18:50
Soluble	Analysis	9045D		1	423292	ZJX4	EET CF	05/31/24 22:16
Total/NA	Analysis	D240-87		1	163611	PSC	EET HOU	06/02/24 12:49
Total/NA	Analysis	D92		1	423999	WZC8	EET CF	06/07/24 09:08

Client Sample ID: R052824

Lab Sample ID: 310-282308-1

Date Collected: 05/28/24 00:00

Matrix: Solid

Date Received: 05/30/24 08:50

Percent Solids: 81.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550B			423655	YU9M	EET CF	06/05/24 13:03
Total/NA	Analysis	8082A		1	423816	BW2O	EET CF	06/08/24 10:07
Total/NA	Prep	3550B			423655	YU9M	EET CF	06/05/24 13:03
Total/NA	Analysis	8082A		5	424213	BW2O	EET CF	06/12/24 08:08
Total/NA	Prep	9023			165859	YG	EET HOU	06/13/24 13:00
Total/NA	Analysis	9023		1	166003	YG	EET HOU	06/13/24 20:37

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

Definitions/Glossary

Client: Clayton County Recycling
Project/Site: R052824

Job ID: 310-282308-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
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.
α	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

Accreditation/Certification Summary

Client: Clayton County Recycling
Project/Site: R052824

Job ID: 310-282308-1

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)	09-29-24
Georgia	State	IA100001 (OR)	09-29-24
Illinois	NELAP	200024	11-30-24
Iowa	State	007	12-01-25
Kansas	NELAP	E-10341	01-31-25
Minnesota	NELAP	019-999-319	12-31-24
Minnesota (Petrofund)	State	3349	01-18-26
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	06-30-24
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26

Method Summary

Client: Clayton County Recycling
Project/Site: R052824

Job ID: 310-282308-1

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
3010A	Preparation, Total Metals	SW846	EET CF
3511	Microextraction of Organic Compounds	SW846	EET CF
3550B	Ultrasonic Extraction	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



Environment Testing
America



310-282308 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: Clayton County			
City/State:	CITY	STATE	Project:
		IA	
Receipt Information			
Date/Time Received:	DATE	TIME	Received By:
	5-30-24	850	ML
Delivery Type: <input checked="" type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> FedEx Ground <input type="checkbox"/> US Mail <input type="checkbox"/> Spee-Dee <input type="checkbox"/> Lab Courier <input type="checkbox"/> Lab Field Services <input type="checkbox"/> Client Drop-off <input type="checkbox"/> Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Cooler ID: _____	
Multiple Coolers?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Cooler # _____ of _____	
Cooler Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Cooler custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Sample Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Sample custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Which VOA samples are in cooler? ↓	
Temperature Record			
Coolant: <input type="checkbox"/> Wet ice <input type="checkbox"/> Blue ice <input type="checkbox"/> Dry ice <input type="checkbox"/> Other: _____ <input checked="" type="checkbox"/> NONE			
Thermometer ID:		Correction Factor (°C):	
Temp Blank Temperature: If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C):		Corrected Temp (°C):	
Sample Container Temperature			
Container(s) used:	CONTAINER 1	CONTAINER 2	
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? <input type="checkbox"/> Yes <input type="checkbox"/> No a) If yes: Is there evidence that the chilling process began? <input type="checkbox"/> Yes <input type="checkbox"/> No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) <input type="checkbox"/> Yes <input type="checkbox"/> No			
NOTE: If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			

Login Sample Receipt Checklist

Client: Clayton County Recycling

Job Number: 310-282308-1

Login Number: 282308

List Source: Eurofins Cedar Falls

List Number: 1

Creator: Costello, Mackenzie K

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	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 outside required temperature criteria.
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 <math><6\text{mm}</math> (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: 310-282308-1

Login Number: 282308

List Number: 2

Creator: Baker, Jeremiah

List Source: Eurofins Houston

List Creation: 05/31/24 12:18 PM

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 <6mm (1/4").	True	



 **ANALYTICAL REPORT****PREPARED FOR**

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

Generated 6/14/2024 2:56:43 PM

JOB DESCRIPTION

R052824B

JOB NUMBER

310-282309-1

Eurofins Cedar Falls

Job Notes

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Authorization



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



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Case Narrative

Client: Clayton County Recycling
Project: R052824B

Job ID: 310-282309-1

Job ID: 310-282309-1

Eurofins Cedar Falls

Job Narrative 310-282309-1

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.

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- 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 5/30/2024 8:50 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice.

Receipt Exceptions

The following sample was received at the laboratory outside the required temperature criteria: R052824B (310-282309-1). There was no cooling media present in the cooler.

PCBs

Method 8082A: The following sample was diluted due to the nature of the sample matrix: R052824B (310-282309-1). 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 following sample(s) was diluted due to the presence of an interferent. >: R052824B (310-282309-1). 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

Sample Summary

Client: Clayton County Recycling
Project/Site: R052824B

Job ID: 310-282309-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-282309-1	R052824B	Solid	05/28/24 00:00	05/30/24 08:50

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Client Sample Results

Client: Clayton County Recycling
Project/Site: R052824B

Job ID: 310-282309-1

Client Sample ID: R052824B

Lab Sample ID: 310-282309-1

Date Collected: 05/28/24 00:00

Matrix: Solid

Date Received: 05/30/24 08:50

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.00182		0.00182		mg/L		06/05/24 08:57	06/06/24 19:30	1
PCB-1221	<0.00182		0.00182		mg/L		06/05/24 08:57	06/06/24 19:30	1
PCB-1232	<0.00182		0.00182		mg/L		06/05/24 08:57	06/06/24 19:30	1
PCB-1242	<0.00182		0.00182		mg/L		06/05/24 08:57	06/06/24 19:30	1
PCB-1248	<0.00182		0.00182		mg/L		06/05/24 08:57	06/06/24 19:30	1
PCB-1254	<0.00182		0.00182		mg/L		06/05/24 08:57	06/06/24 19:30	1
PCB-1260	<0.00182		0.00182		mg/L		06/05/24 08:57	06/06/24 19:30	1
PCB-1268	<0.00182		0.00182		mg/L		06/05/24 08:57	06/06/24 19:30	1
Polychlorinated biphenyls, Total	<0.00182		0.00182		mg/L		06/05/24 08:57	06/06/24 19:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	88		11 - 122				06/05/24 08:57	06/06/24 19:30	1
Tetrachloro-m-xylene (Surr)	83		23 - 123				06/05/24 08:57	06/06/24 19:30	1

Method: SW846 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.200		0.200		mg/L		06/06/24 09:30	06/07/24 10:46	2
Barium	0.816		0.400		mg/L		06/06/24 09:30	06/07/24 10:46	2
Cadmium	0.250		0.0400		mg/L		06/06/24 09:30	06/07/24 10:46	2
Chromium	<0.0400		0.0400		mg/L		06/06/24 09:30	06/07/24 10:46	2
Lead	0.897		0.200		mg/L		06/06/24 09:30	06/07/24 10:46	2
Selenium	<0.200		0.200		mg/L		06/06/24 09:30	06/07/24 10:46	2
Silver	<0.100		0.100		mg/L		06/06/24 09:30	06/07/24 10:46	2

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00200		0.00200		mg/L		06/10/24 16:27	06/12/24 14:16	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
BTU (ASTM D240-87)	<500		500		BTU/lb			06/02/24 12:49	1
Flashpoint (ASTM D92)	>202		65.0		Degrees F			06/07/24 09:08	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.0	HF	1.0		SU			05/31/24 22:18	1

Client Sample ID: R052824B

Lab Sample ID: 310-282309-1

Date Collected: 05/28/24 00:00

Matrix: Solid

Date Received: 05/30/24 08:50

Percent Solids: 81.1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.149		0.149		mg/Kg	✱	06/05/24 13:03	06/08/24 10:27	1
PCB-1221	<0.149		0.149		mg/Kg	✱	06/05/24 13:03	06/08/24 10:27	1
PCB-1232	<0.149		0.149		mg/Kg	✱	06/05/24 13:03	06/08/24 10:27	1
PCB-1242	3.70		0.744		mg/Kg	✱	06/05/24 13:03	06/12/24 08:27	5
PCB-1248	<0.149		0.149		mg/Kg	✱	06/05/24 13:03	06/08/24 10:27	1
PCB-1254	<0.149		0.149		mg/Kg	✱	06/05/24 13:03	06/08/24 10:27	1
PCB-1260	<0.149		0.149		mg/Kg	✱	06/05/24 13:03	06/08/24 10:27	1
PCB-1268	<0.149		0.149		mg/Kg	✱	06/05/24 13:03	06/08/24 10:27	1

Eurofins Cedar Falls

Client Sample Results

Client: Clayton County Recycling
Project/Site: R052824B

Job ID: 310-282309-1

Client Sample ID: R052824B

Lab Sample ID: 310-282309-1

Date Collected: 05/28/24 00:00

Matrix: Solid

Date Received: 05/30/24 08:50

Percent Solids: 81.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	45		10 - 149	06/05/24 13:03	06/08/24 10:27	1
Tetrachloro-m-xylene	38		10 - 147	06/05/24 13:03	06/08/24 10:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Extractable Organic (SW846 9023)	910		617		mg/Kg	☆	06/13/24 13:00	06/13/24 20:47	1

Lab Chronicle

Client: Clayton County Recycling
Project/Site: R052824B

Job ID: 310-282309-1

Client Sample ID: R052824B

Lab Sample ID: 310-282309-1

Date Collected: 05/28/24 00:00

Matrix: Solid

Date Received: 05/30/24 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			423536	D0DG	EET CF	06/04/24 15:00 - 06/05/24 08:00 ¹
TCLP	Prep	3511			423582	D2YP	EET CF	06/05/24 08:57
TCLP	Analysis	8082A		1	423738	BW2O	EET CF	06/06/24 19:30
TCLP	Leach	1311			423531	D0DG	EET CF	06/04/24 15:00 - 06/05/24 08:00 ¹
TCLP	Prep	3010A			423672	DHM5	EET CF	06/06/24 09:30
TCLP	Analysis	6010D		2	423961	ZRI4	EET CF	06/07/24 10:46
TCLP	Leach	1311			423531	D0DG	EET CF	06/04/24 15:00 - 06/05/24 08:00 ¹
TCLP	Prep	7470A			424101	A6US	EET CF	06/10/24 16:27
TCLP	Analysis	7470A		1	424367	A6US	EET CF	06/12/24 14:16
Soluble	Leach	DI Leach			423289	ZJX4	EET CF	05/31/24 18:50
Soluble	Analysis	9045D		1	423292	ZJX4	EET CF	05/31/24 22:18
Total/NA	Analysis	D240-87		1	163611	PSC	EET HOU	06/02/24 12:49
Total/NA	Analysis	D92		1	423999	WZC8	EET CF	06/07/24 09:08

Client Sample ID: R052824B

Lab Sample ID: 310-282309-1

Date Collected: 05/28/24 00:00

Matrix: Solid

Date Received: 05/30/24 08:50

Percent Solids: 81.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550B			423655	YU9M	EET CF	06/05/24 13:03
Total/NA	Analysis	8082A		1	423816	BW2O	EET CF	06/08/24 10:27
Total/NA	Prep	3550B			423655	YU9M	EET CF	06/05/24 13:03
Total/NA	Analysis	8082A		5	424213	BW2O	EET CF	06/12/24 08:27
Total/NA	Prep	9023			165859	YG	EET HOU	06/13/24 13:00
Total/NA	Analysis	9023		1	166003	YG	EET HOU	06/13/24 20:47

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

Definitions/Glossary

Client: Clayton County Recycling
Project/Site: R052824B

Job ID: 310-282309-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
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.
α	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

Accreditation/Certification Summary

Client: Clayton County Recycling
Project/Site: R052824B

Job ID: 310-282309-1

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)	09-29-24
Georgia	State	IA100001 (OR)	09-29-24
Illinois	NELAP	200024	11-30-24
Iowa	State	007	12-01-25
Kansas	NELAP	E-10341	01-31-25
Minnesota	NELAP	019-999-319	12-31-24
Minnesota (Petrofund)	State	3349	01-18-26
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	06-30-24
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26

Method Summary

Client: Clayton County Recycling
Project/Site: R052824B

Job ID: 310-282309-1

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
3010A	Preparation, Total Metals	SW846	EET CF
3511	Microextraction of Organic Compounds	SW846	EET CF
3550B	Ultrasonic Extraction	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.

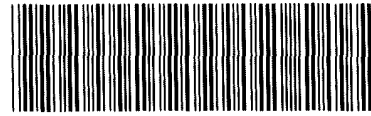
Laboratory References:

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



Environment Testing
America



310-282309 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>Clayton County</u>			
City/State:	CITY	STATE	Project:
		<u>IA</u>	
Receipt Information			
Date/Time Received:	DATE	TIME	Received By:
	<u>5-30-24</u>	<u>850</u>	<u>ML</u>
Delivery Type: <input checked="" type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> FedEx Ground <input type="checkbox"/> US Mail <input type="checkbox"/> Spee-Dee <input type="checkbox"/> Lab Courier <input type="checkbox"/> Lab Field Services <input type="checkbox"/> Client Drop-off <input type="checkbox"/> Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If yes: Cooler ID: _____
Multiple Coolers?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If yes: Cooler # _____ of _____
Cooler Custody Seals Present?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If yes: Cooler custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No
Sample Custody Seals Present?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If yes: Sample custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No
Trip Blank Present?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If yes: Which VOA samples are in cooler? ↓
Temperature Record			
Coolant: <input type="checkbox"/> Wet Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> Dry Ice <input type="checkbox"/> Other: _____ <input checked="" type="checkbox"/> NONE			
Thermometer ID: _____		Correction Factor (°C): _____	
Temp Blank Temperature (If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature)			
Uncorrected Temp (°C): _____		Corrected Temp (°C): _____	
Sample Container Temperature			
Container(s) used:	<u>CONTAINER 1</u>	<u>CONTAINER 2</u>	
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? <input type="checkbox"/> Yes <input type="checkbox"/> No a) If yes: Is there evidence that the chilling process began? <input type="checkbox"/> Yes <input type="checkbox"/> No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) <input type="checkbox"/> Yes <input type="checkbox"/> No			
NOTE: If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			



TestAmerica

Lebanon Falls Division
704 Enterprise Drive
Cedar Falls, IA 50613

Phone: 319-277-2425

Your PO #: ROS2824B

Company: Clayton County Recycling

Send Report To: Gina Roy's

Address: 11045 Echo Ave

City/State/Zip Code: MONROE IA 52159

Telephone Number: 503-539-4757

Sampled by: Fred Runde
(Signature) Fred Runde

Project Name: MONROE IA 52159

Project Number: 503-539-4735

Project Manager: Gina Roy's

Proj. Mgr. Telephone: 503-539-4757

Proj. Mgr. Email: gina@ccrrecycling.com

Sample ID	Date Sampled	Time Sampled	# of containers shipped	Grab	Composite	Field Filtered	ice	HNO ₃ (Red & White Label)	HCl (Blue & White Label)	NaOH (Orange & White Label)	H ₂ SO ₄ Plastic (Yellow & White Label)	H ₂ SO ₄ Glass (Yellow & White Label)	None (Black & White Label)	Other (Specify)	Groundwater	Wastewater	Drinking Water	Sludge	Soil	Oil	Matrix	Analyze For:							
																								RUSH TAT (Must call ahead!)	Standard TAT	Email Results	Fax Results	Send QC with report	

NOTE: All turn around times are calculated from the time of receipt at TestAmerica.
NOTICE: Pre-Arrangements must be made **AT LEAST 48 Hours In ADVANCE** to receive results.
 with RUSH turn around time commitments; additional charges may be assessed.
NOTE: There may be a charge assessed for TestAmerica disposing of sample remainders.
 Relinquished by: _____ Date _____ Time _____ Received by: _____ Date _____ Time _____

Shipped Via: _____ Date _____
 Received for TestAmerica by: MV Date 5-30-14 Time 850
 Laboratory Comments: _____

Shipped Via: _____ Date _____
 Relinquished by: _____ Date _____ Time _____
 Received for TestAmerica by: _____ Date _____ Time _____
 Laboratory Comments: _____

Login Sample Receipt Checklist

Client: Clayton County Recycling

Job Number: 310-282309-1

Login Number: 282309

List Source: Eurofins Cedar Falls

List Number: 1

Creator: Costello, Mackenzie K

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	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 outside required temperature criteria.
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 <math><6\text{mm}</math> (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: 310-282309-1

Login Number: 282309

List Number: 2

Creator: Baker, Jeremiah

List Source: Eurofins Houston

List Creation: 05/31/24 12:18 PM

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 <6mm (1/4").	True	

 **ANALYTICAL REPORT****PREPARED FOR**

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

Generated 6/17/2024 8:59:49 AM

JOB DESCRIPTION

R052824C

JOB NUMBER

310-282310-1

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
6/17/2024 8:59:49 AM

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



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Case Narrative

Client: Clayton County Recycling
Project: R052824C

Job ID: 310-282310-1

Job ID: 310-282310-1

Eurofins Cedar Falls

Job Narrative 310-282310-1

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 5/30/2024 8:50 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice.

Receipt Exceptions

The following sample was received at the laboratory outside the required temperature criteria: R052824C (310-282310-1). There was no cooling media present in the cooler.

PCBs

Method 8082A: The following sample was diluted due to the nature of the sample matrix: R052824C (310-282310-1). 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 following sample(s) was diluted due to the presence of an interferent. >: R052824C (310-282310-1). 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

Sample Summary

Client: Clayton County Recycling
Project/Site: R052824C

Job ID: 310-282310-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-282310-1	R052824C	Solid	05/28/24 00:00	05/30/24 08:50

1

2

3

4

5

6

7

8

9

10

11

Client Sample Results

Client: Clayton County Recycling
Project/Site: R052824C

Job ID: 310-282310-1

Client Sample ID: R052824C

Lab Sample ID: 310-282310-1

Date Collected: 05/28/24 00:00

Matrix: Solid

Date Received: 05/30/24 08:50

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.00184		0.00184		mg/L		06/05/24 08:57	06/06/24 19:50	1
PCB-1221	<0.00184		0.00184		mg/L		06/05/24 08:57	06/06/24 19:50	1
PCB-1232	<0.00184		0.00184		mg/L		06/05/24 08:57	06/06/24 19:50	1
PCB-1242	<0.00184		0.00184		mg/L		06/05/24 08:57	06/06/24 19:50	1
PCB-1248	<0.00184		0.00184		mg/L		06/05/24 08:57	06/06/24 19:50	1
PCB-1254	<0.00184		0.00184		mg/L		06/05/24 08:57	06/06/24 19:50	1
PCB-1260	<0.00184		0.00184		mg/L		06/05/24 08:57	06/06/24 19:50	1
PCB-1268	<0.00184		0.00184		mg/L		06/05/24 08:57	06/06/24 19:50	1
Polychlorinated biphenyls, Total	<0.00184		0.00184		mg/L		06/05/24 08:57	06/06/24 19:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	92		11 - 122				06/05/24 08:57	06/06/24 19:50	1
Tetrachloro-m-xylene (Surr)	90		23 - 123				06/05/24 08:57	06/06/24 19:50	1

Method: SW846 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.300		0.300		mg/L		06/06/24 09:30	06/07/24 10:51	3
Barium	0.703		0.600		mg/L		06/06/24 09:30	06/07/24 10:51	3
Cadmium	0.250		0.0600		mg/L		06/06/24 09:30	06/07/24 10:51	3
Chromium	<0.0600		0.0600		mg/L		06/06/24 09:30	06/07/24 10:51	3
Lead	2.33		0.300		mg/L		06/06/24 09:30	06/07/24 10:51	3
Selenium	<0.300		0.300		mg/L		06/06/24 09:30	06/07/24 10:51	3
Silver	<0.150		0.150		mg/L		06/06/24 09:30	06/07/24 10:51	3

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00200		0.00200		mg/L		06/10/24 16:27	06/12/24 14:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
BTU (ASTM D240-87)	<500		500		BTU/lb			06/02/24 12:49	1
Flashpoint (ASTM D92)	>202		65.0		Degrees F			06/07/24 09:08	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.2	HF	1.0		SU			06/04/24 23:54	1

Client Sample ID: R052824C

Lab Sample ID: 310-282310-1

Date Collected: 05/28/24 00:00

Matrix: Solid

Date Received: 05/30/24 08:50

Percent Solids: 82.3

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.37		1.37		mg/Kg	✱	06/05/24 13:03	06/12/24 08:47	10
PCB-1221	<1.37		1.37		mg/Kg	✱	06/05/24 13:03	06/12/24 08:47	10
PCB-1232	<1.37		1.37		mg/Kg	✱	06/05/24 13:03	06/12/24 08:47	10
PCB-1242	7.51		1.37		mg/Kg	✱	06/05/24 13:03	06/12/24 08:47	10
PCB-1248	<1.37		1.37		mg/Kg	✱	06/05/24 13:03	06/12/24 08:47	10
PCB-1254	<1.37		1.37		mg/Kg	✱	06/05/24 13:03	06/12/24 08:47	10
PCB-1260	<1.37		1.37		mg/Kg	✱	06/05/24 13:03	06/12/24 08:47	10
PCB-1268	<1.37		1.37		mg/Kg	✱	06/05/24 13:03	06/12/24 08:47	10

Eurofins Cedar Falls

Client Sample Results

Client: Clayton County Recycling
Project/Site: R052824C

Job ID: 310-282310-1

Client Sample ID: R052824C

Lab Sample ID: 310-282310-1

Date Collected: 05/28/24 00:00

Matrix: Solid

Date Received: 05/30/24 08:50

Percent Solids: 82.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	47		10 - 149	06/05/24 13:03	06/12/24 08:47	10
Tetrachloro-m-xylene	46		10 - 147	06/05/24 13:03	06/12/24 08:47	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Extractable Organic (SW846 9023)	<607		607		mg/Kg	☆	06/13/24 13:00	06/14/24 15:19	1

Lab Chronicle

Client: Clayton County Recycling
Project/Site: R052824C

Job ID: 310-282310-1

Client Sample ID: R052824C

Lab Sample ID: 310-282310-1

Date Collected: 05/28/24 00:00

Matrix: Solid

Date Received: 05/30/24 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			423536	D0DG	EET CF	06/04/24 15:00 - 06/05/24 08:00 ¹
TCLP	Prep	3511			423582	D2YP	EET CF	06/05/24 08:57
TCLP	Analysis	8082A		1	423738	BW2O	EET CF	06/06/24 19:50
TCLP	Leach	1311			423531	D0DG	EET CF	06/04/24 15:00 - 06/05/24 08:00 ¹
TCLP	Prep	3010A			423672	DHM5	EET CF	06/06/24 09:30
TCLP	Analysis	6010D		3	423961	ZRI4	EET CF	06/07/24 10:51
TCLP	Leach	1311			423531	D0DG	EET CF	06/04/24 15:00 - 06/05/24 08:00 ¹
TCLP	Prep	7470A			424101	A6US	EET CF	06/10/24 16:27
TCLP	Analysis	7470A		1	424367	A6US	EET CF	06/12/24 14:18
Soluble	Leach	DI Leach			423549	ZJX4	EET CF	06/04/24 21:30
Soluble	Analysis	9045D		1	423550	ZJX4	EET CF	06/04/24 23:54
Total/NA	Analysis	D240-87		1	163611	PSC	EET HOU	06/02/24 12:49
Total/NA	Analysis	D92		1	423999	WZC8	EET CF	06/07/24 09:08

Client Sample ID: R052824C

Lab Sample ID: 310-282310-1

Date Collected: 05/28/24 00:00

Matrix: Solid

Date Received: 05/30/24 08:50

Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550B			423655	YU9M	EET CF	06/05/24 13:03
Total/NA	Analysis	8082A		10	424213	BW2O	EET CF	06/12/24 08:47
Total/NA	Prep	9023			165859	YG	EET HOU	06/13/24 13:00
Total/NA	Analysis	9023		1	166126	YG	EET HOU	06/14/24 15:19

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

Definitions/Glossary

Client: Clayton County Recycling
Project/Site: R052824C

Job ID: 310-282310-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
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.
α	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

Accreditation/Certification Summary

Client: Clayton County Recycling
Project/Site: R052824C

Job ID: 310-282310-1

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)	09-29-24
Georgia	State	IA100001 (OR)	09-29-24
Illinois	NELAP	200024	11-30-24
Iowa	State	007	12-01-25
Kansas	NELAP	E-10341	01-31-25
Minnesota	NELAP	019-999-319	12-31-24
Minnesota (Petrofund)	State	3349	01-18-26
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	06-30-24
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26

Method Summary

Client: Clayton County Recycling
Project/Site: R052824C

Job ID: 310-282310-1

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
3010A	Preparation, Total Metals	SW846	EET CF
3511	Microextraction of Organic Compounds	SW846	EET CF
3550B	Ultrasonic Extraction	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.

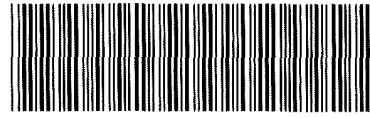
Laboratory References:

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



Environment Testing
America



310-282310 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: Clayton County			
City/State:	CITY	STATE	Project:
	IA		
Receipt Information			
Date/Time Received:	DATE	TIME	Received By:
	5-30-24	850	ML
Delivery Type: <input checked="" type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> FedEx Ground <input type="checkbox"/> US Mail <input type="checkbox"/> Spee-Dee <input type="checkbox"/> Lab Courier <input type="checkbox"/> Lab Field Services <input type="checkbox"/> Client Drop-off <input type="checkbox"/> Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Cooler ID: _____	
Multiple Coolers?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Cooler # ____ of ____	
Cooler Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Cooler custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Sample Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Sample custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Which VOA samples are in cooler? ↓	
Temperature Record			
Coolant: <input type="checkbox"/> Wet Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> Dry Ice <input type="checkbox"/> Other: _____ <input checked="" type="checkbox"/> NONE			
Thermometer ID:		Correction Factor (°C):	
Temp. Blank Temperature: If no temp blank or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C):		Corrected Temp (°C):	
Sample Container Temperature			
Container(s) used:	CONTAINER 1	CONTAINER 2	
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions/Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? <input type="checkbox"/> Yes <input type="checkbox"/> No a) If yes: Is there evidence that the chilling process began? <input type="checkbox"/> Yes <input type="checkbox"/> No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised (e.g., bulging septa, broken/cracked bottles, frozen solid)? <input type="checkbox"/> Yes <input type="checkbox"/> No			
NOTE: If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			

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Login Sample Receipt Checklist

Client: Clayton County Recycling

Job Number: 310-282310-1

Login Number: 282310

List Source: Eurofins Cedar Falls

List Number: 1

Creator: Costello, Mackenzie K

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



Login Sample Receipt Checklist

Client: Clayton County Recycling

Job Number: 310-282310-1

Login Number: 282310

List Number: 2

Creator: Baker, Jeremiah

List Source: Eurofins Houston

List Creation: 05/31/24 12:18 PM

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 <6mm (1/4").	True	

